VOLUME 29
1991
ACC. NOS. N91-10001 TO N91-33053

STAR
AN ABSTRACT JOURNAL

Scientific and Technical Aerospace Reports

Annual Index 1991

Part Two
PERSONAL AUTHOR
CORPORATE SOURCE
CONTRACT NUMBER
REPORT/ACCESSION NUMBER

PRODUCED BY THE
SCIENTIFIC AND TECHNICAL
INFORMATION
PROGRAM

NASA

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

***Scientific and Technical Aerospace Reports* (*STAR*)** is an abstract journal that provides comprehensive coverage of worldwide aerospace-related reports. It is a major product of the International Aerospace Database managed by the NASA Scientific and Technical Information (STI) Program. The coverage includes reports on aeronautics, space, and supporting disciplines. *STAR* lists current, publicly available reports entered into the NASA STI Database during the 2-week period preceding publication. A typical citation and abstract appear on page viii. They explain how to read the items that are announced in this journal.

NASA sponsors a companion journal, *International Aerospace Abstracts* (*IAA*), that lists abstracts of the open literature on aerospace subjects available worldwide. *IAA* is available through the American Institute of Aeronautics and Astronautics.

Entries found in *STAR* and *IAA* are available through NASA's online service, RECON, as the International Aerospace Database and through DIALOG as the Aerospace Database.

Information on aerospace and related subjects is gathered by the NASA STI Program through national and international agreements and exchanges and is made available to the NASA community as well as to the public in many forms through various outlets. The section on NASA STI Program Products and Services contains additional information.

US ISSN 0036-8741

For sale by the U.S. Government Printing Office
Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328
ISBN 0-16-037889-3

SPECIAL NOTICE

The abstract sections of the semimonthly *STAR* journals can be bound separately. Individual abstracts can be located readily by means of the page numbers given at each entry, e.g., p 2401. To assist the user in binding *STAR* Volume 29, four (4) title pages are included in the back of Part 1 of the Annual Index.

VOLUME 29 NUMBERS 1-24

Scientific and Technical Aerospace Reports

Annual Index (Part II) January—December 1991

TABLE OF CONTENTS

Page

PART II

Introduction iii

Subject Index A-1

PART II

Introduction iii

Personal Author Index B-1

Corporate Source Index C-1

Contract Number Index D-1

Report/Accession Number Index E-1

INTRODUCTION

WHAT STAR ANNUAL INDEXES ARE

This Annual Index is an edited consolidation of the indexes to the individual issues of *Scientific and Technical Aerospace Reports (STAR)* for the calendar year 1991 (Volume 29 Numbers 1 through 24). For the convenience of the user, it is divided into two parts, each bound separately. Part 1 contains the Subject Index. Part II contains the Personal Author Index, Corporate Source Index, Contract Number Index, and Report/Accession Number Index. The Annual Index supersedes the semimonthly indexes previously issued during 1991.

Each entry in this index includes a group of identifying numbers in the following form: 15 p. 2401 N91-23297. The first two digits (15) identify the issue in which the document was announced. The "p" and the four digits that follow (2401) refer to the page number, in the designated issue, on which the abstract of the document appears. The next group of numbers (N91-23297) is the NASA Accession Number, a unique identification number assigned by NASA to each document that was acquired, indexed, and announce in *STAR* during the year.

In addition to these identifying numbers each entry in the Subject Index contains a title, or title and title extension. Each entry in the Personal Author was Corporate Source Indexes contains the title.

At the beginning of each index in this cumulation, a typical listing is illustrated with each of its elements identified to assist the reader in using the different types of index entries.

HOW TO USE THE SUBJECT INDEX

Subject terms in this cumulative index are arranged alphebetically, and are supplemented with cross-references which are intended to serve as directions that will enable the user to modify, enlarge, or narrow his search in accordance with his specific interest. The subject headings have been selected from the latest revision of the *NASA Thesaurus*. Two types of cross-references are used:

1. Use (U) references direct the user to alternate headings under which materials on the subject may be found. For example:

   ANNULAR JETS
   U ANNULAR FLOW
   U JET FLOW
   COLUMBIUM
   U NIOBIUM

2. Narrower Term (NT) references refer the user to more specific headings in the same subject area, under which additional material on the subjects may be found. For example:

   EMISSION
   NT ELECTRON EMISSION
   NT NEUTRON EMISSION
   NT THERMAL EMISSION

Finally, a searcher should use the titles and title extensions in the index to narrow further his quest for particular items. This is because subject terms can readily refer to more than one class of document. For example:

CATHODES
Cesium plasma cathodes as sources of high intensity electron beams
Cathode material testing in electrochemical half cells

This illustrates a case where two references on different topics are listed under the same subject term.

HOW TO USE THE PERSONAL AUTHOR INDEX

All personal authors identified in the abstract-section citations in the individual *STAR* issues appear in this index. Differences in transliteration schemes may require multiple searching of the index for variants of an author's name. For example:

EMELIANOV, M. D.
YEMELYANOV, M. D.

HOW TO USE THE CORPORATE SOURCE INDEX

The corporate source index entries are abridged versions of the corporate sources used in the abstract-section citations in the individual issue supplements. The corporate source supplementary (organizational component) does not appear in the index. For example:

PRINCETON UNIV., N.J. DEPT. OF CHEMICAL ENGINEERING.
(Corporate source at citation)
PRINCETON UNIV., N.J.
(Corporate source index entry)

HOW TO USE THE CONTRACT NUMBER INDEX

All contract numbers that are identified in the abstract-section citations in the individual *STAR* issues appear in this index. Changes by agencies in the style in which contract numbers are presented may require multiple searching for variants. For example:

AF 33(615)-67-C-1758
F33615-67-C-1758

HOW TO USE THE REPORT/ACCESSION NUMBER INDEX

All report numbers that have been assigned by the corporate source, monitoring activity, or cataloging activity appear in this index. Variations in initial input may result in different report number series. For example:

TP-924
ONERA-TP-924

A COMPREHENSIVE INFORMATION SERVICE

The National Aeronautics and Space Administration makes the results of worldwide research and development activities in aeronautics, space, and supporting disciplines promptly available to participants in its program. NASA's scientific and technical information system now contains over three million documents, which are abstracted, indexed, and obtained through retrieval and dissemination services. These services which include the abstract journal, *Scientific and Technical Aerospace Reports (STAR),* are described fully in a bulletin, *The NASA Scientific and Technical Information System... and How to Use It,* available at no charge from the NASA Center for AeroSpace Information, P.O. Box 8757, Baltimore, MD 21240-0757.

AVAILABILITY OF DOCUMENTS

Information concerning the availability of documents announced in the *STAR* issues covered in this index is found in the introduction to the most currently issued semimonthly issue.

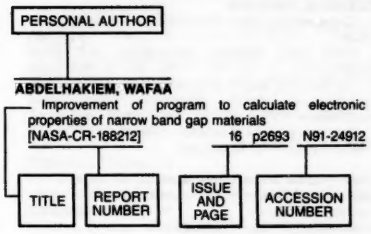
FEDERAL DEPOSITORY LIBRARY PROGRAM

In order to provide the general public with greater access to U.S. Government publications, Congress established the Federal Depository Library Program under the Government Printing Office (GPO), with 52 regional depositories responsible for permanent retention of material, inter-library loan, and reference services. At least one copy of nearly every NASA and NASA-sponsored publication, either in printed or microfiche format, is received and retained by the 52 regional depositories. A list of the regional GPO libraries, arranged alphabetically by state, appears on the inside back cover. These libraries are *not* sales outlets. A local library can contact a Regional Depository to help locate specific reports, or direct contact may be made by an individual.

PUBLIC COLLECTION OF NASA DOCUMENTS

An extensive collection of NASA and NASA-sponsored publications is maintained by the British Library Lending Division, Boston Spa, Wetherby, Yorkshire, England for public access. The British Library Lending Division also has available many of the non-NASA publications cited in *STAR*. European requesters may purchase facsimile copy or microfiche of NASA and NASA-sponsored documents, those identified by both the symbols # and * from ESA—Information Retrieval Service European Space Agency, 8-10 rue Mario-Nikis, 75738 CEDEX 15, France.

Typical Personal Author Index Listing



Listings in this index are arranged alphabetically by personal author. Titles, without title extensions, are provided under each personal author entry. The report number helps to indicate the type of document cited (e.g., NASA report, translation, NASA contractor report). The issue and page number identify the *STAR* issue in which the document was announced and the page on which the citation appears. The accession number denotes the number by which the citation is identified on that page. The listings are arranged under each personal author in ascending accession number order.

A

AALTO, S.
Proceedings of 146th IAU Symposium on Dynamics of Galaxies and Molecular Cloud Distribution
[PB91-123661] 11 p1819 N91-19994
Thermal conductivity of liquids (MASER 1) ESA 23 p3830 N91-31361

AAMODT, R. E.
Workshop on High Power ICH Antenna Designs for High Density Tokamaks
[DE90-010519] 09 p1399 N91-17703
Fundamental studies of fusion plasmas
[DE91-015656] 21 p3589 N91-29964

AARON, JAMES
Low-noise nozzle valve
[NASA-CASE-MFS-28383-1] 06 p0826 N91-14563

AARON, SUSAN
NSI conference support 18 p3080 N91-27031

AARONS, JULES
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A225045] 03 p0390 N91-12172
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A231373] 13 p2118 N91-21658
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A235170] 18 p3012 N91-26632
The dynamics of F-layer irregularities relative to space, time, and frequency diversity 22 p3658 N91-30363

AARONSON, H. I.
The role of ledges in phase transformations
[AD-A228750] 08 p1237 N91-16821
Fundamental studies of beta phase decomposition modes in titanium alloys
[AD-A230550] 12 p1870 N91-20276

AARTMAN, LOUIS
Cells in space: Sounding rocket facilities for cell biology and biotechnology in microgravity 11 p1756 N91-19661

AARTS, EMILE
A note on the convergence of a synchronously parallel Boltzmann machine for the knapsack problem
[MEMO-COSOR-89-28] 07 p1054 N91-15787

AARTS, JAN M.
On composants of the bucket handle
[REPT-90-74] 10 p1585 N91-18733

ABADA, AHMED
Processing, compatibility and oxidation of diboride-reinforced oxide matrix composites for ultrahigh-temperature applications 20 p3305 N91-28294

ABARBANEL, H.
Cellular automata and parallel processing for practical fluid-dynamics problems
[AD-A229234] 09 p1388 N91-17635

ABARBANEL, SAUL
Spurious frequencies as a result of numerical boundary treatments
[NASA-CR-187457] 03 p0363 N91-12033

ABAZOV, A. I.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058

ABBEY, A.
Further proton damage effects in EEV CCDs 24 p3997 N91-32340

ABBOTT, JOHN M.
Inlets, ducts, and nozzles 12 p1837 N91-20096

ABBOTT, KATHY
Overview of error-tolerant cockpit research 02 p0164 N91-10949
Fault diagnosis 02 p0164 N91-10951

ABBOTT, KATHY HAMILTON
Robust fault diagnosis of physical systems in operation
[NASA-TM-102767] 11 p1645 N91-19073

ABBOTT, L. F.
Research in elementary particle physics
[DE91-015359] 21 p3577 N91-29892

ABBUDI, MARUN JOSEPH
Application of the Stroh formalism to selected static and dynamic problems in two-dimensional anisotropic elasticity 17 p2787 N91-25423

ABDALLAH, S. A.
Fundamental hydrodynamics research
[AD-A225030] 03 p0374 N91-12092
Fundamental hydrodynamics research
[AD-A232650] 15 p2428 N91-23451

ABDEL-FATTAH, A. M.
Aerothermodynamic design appraisal of noise suppressors for F/A-18 engine run-up facilities at RAAF Williamtown
[ARL-PROP-R-177] 14 p2198 N91-22136

ABDEL-WAHAB, MOHAMED AHMED
Ejector thrust augmentors: Pulse-starting approach to the second solution 02 p0157 N91-10913

ABDELDAYEM, HOSSIN
Phase conjugation by degenerate four wave mixing in disodium fluorescein solution in methanol 19 p3270 N91-28087

ABDELHAKIEM, WAFAA
Improvement of program to calculate electronic properties of narrow band gap materials
[NASA-CR-188212] 16 p2693 N91-24912

ABDELKARIM, M. H.
Application of thematic mapper images to determine regional evaporation from the playas in the western desert of Egypt
[REPT-31] 18 p3003 N91-26585

ABDELMALEK, N. N.
Piecework linear least-squares approximation planar curves including computer programs
[NRC-31069] 21 p3564 N91-29811

ABDELSALAM, M. K.
Magnetic suspension and balance system advanced study, phase 2
[NASA-CR-4327] 05 p0625 N91-13463

ABDELSALAM, MOUSTAFA K.
Magnetic suspension and balance system advanced study, 1989 design 13 p2036 N91-21197
Large gap magnetic suspension system 13 p2037 N91-21201

ABDI, F. F.
High performance transparency design
[AD-A234456] 18 p2924 N91-26133

ABDOLLAHIAN, DAVOOD
Design of a modular test loop for study of two-phase flow and heat transfer in low and high accelerations
[AD-A225658] 03 p0367 N91-12054

ABDUL-AZIZ, ALI
Estimation of the engineering elastic constants of a directionally solidified superalloy for finite element structural analysis
[NASA-CR-187036] 07 p1019 N91-15598
Elastic response of zone axis (001)-oriented PWA 1480 single crystal: The influence of secondary orientation
[NASA-TM-103782] 13 p2100 N91-21558

ABDULAZIZ, S.
Annealing characteristics of irradiated hydrogenated amorphous silicon solar cells 11 p1672 N91-19214

ABDULAZIZ, SALMAN S.
Annealing characteristics of amorphous silicon alloy solar cells irradiated with 1.00 MeV protons 22 p3638 N91-30246

ABDULNOUR, BASHAR SULAIMAN
The numerical solution of confined laminar flow past a moving boundary 20 p3346 N91-28532

ABDURASHITOV, D. N.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058

ABE, AKIHISA
Numerical simulation of shock wave emanating from a square shock tube 24 p3947 N91-32061

ABE, FUMIO
Proceedings of the symposium on networking
[DE90-777889] 09 p1419 N91-17813

ABE, T.
Basic study of solid oxide fuel cells
[DE90-517069] 01 p0064 N91-10386

ABE, TSUTOYA
Outline of CDAS telecommunication system 01 p0058 N91-10340

ABED, EYAD
Control of complex multibody spacecraft
[AD-A224707] 03 p0320 N91-11791

ABEGG, R.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842

ABEL, VICKI S.
Viewer: A user interface for failure region analysis
[AD-A231955] 14 p2308 N91-22750

ABELE, GUNARS
Snow roads and runways
[AD-A231490] 14 p2198 N91-22138

ABELE, H.
Evaluation of airborne and settled particulate contamination in a controlled environment for spacecraft testing and molecular contamination measurements during spacecraft thermal vacuum tests 07 p0961 N91-15289

ABELL, FRED, JR.
Diurnal ocean surface layer model validation
[AD-A229010] 09 p1370 N91-17528

ABELL, G. C.
Elucidation of fundamental properties of helium in metals by nuclear magnetic resonance techniques
[DE91-002715] 06 p0808 N91-14460
Comparison of hydrogen diffusion in Ti2PdH(x) to the behavior for Ti2CuH(x) and Zr2PdH(x)
[DE91-002711] 08 p1235 N91-16808

ABELL, J. S.
Neutron diffraction by the flux lattice in high-Tc superconductors
[DE91-017866] 24 p4009 N91-32418

ABELSON, HAROLD
The supercomputer toolkit and its applications
[AD-A225807] 04 p0555 N91-13077

ABEN, J. M. M.
A system to determine whole-plant exchange rates of ozone, carbon dioxide and water vapour 23 p3941 N91-32027

ABERNATHY, D. L.
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307

ABERNETHY, D. C., JR.
Data and information integrity in a distributed environment
[AD-A229949] 12 p1997 N91-20990
ABEUOV, B. A.
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-003] 06 p0853 N91-14706
ABEY, A. E.
Effectiveness of bomber deployed autonomous airborne vehicles in finding rail mobile SS-24s
[DE91-009008] 13 p2145 N91-21815
ABEYARATNE, ROHAN
Implications of viscosity and strain gradient effects for the kinetics of propagating phase boundaries in solids
[AD-A226120] 04 p0536 N91-12975
On the propagation of maximally dissipative phase boundaries in solids
[AD-A227800] 07 p1015 N91-15574
Void nucleation in nonlinear solid mechanics
[AD-A228890] 08 p1164 N91-16410
Wave propagation in linear, bilinear and trilinear elastic bars
[AD-A236199] 19 p3180 N91-27582
ABEYOUNIS, WILLIAM K.
Effect of location of aft-mounted nacelles on the longitudinal aerodynamic characteristics of a high-wing transport airplane
[NASA-TP-3047] 05 p0613 N91-13402
ABID, R.
Application of a new K-tau model to near wall turbulent flows
[NASA-CR-187518] 10 p1525 N91-18397
ABID, RIDHA
Recent advances in Runge-Kutta schemes for solving 3-D Navier-Stokes equations 02 p0145 N91-10851
ABIGADOL, NOOMI
Lateral dispersion of radioactive release. Draft for comments
[CEMA-86/17] 15 p2458 N91-23621
ABKOWITZ, STANLEY
Feasibility study for the qualification of an economically advantageous Ti-6Al-4V bearing housing for gas turbine engine application by powder metal manufacturing technology
[AD-A231666] 14 p2271 N91-22564
ABLOWITZ, MARK J.
Nonlinear waves and inverse scattering
[AD-A228757] 08 p1143 N91-16294
ABOLHASSANI, J. S.
Extension of multigrid methodology to supersonic/hypersonic 3-D viscous flows
[NASA-CR-187612] 22 p3611 N91-30088
ABRAHAM, K. J. A.
Quarkonium production at HERA
[NIKHEF-H/90-4] 04 p0582 N91-13244
ABRAHAM, K. M.
Studies of the fundamentals of solids state batteries
[AD-A228772] 08 p1135 N91-16247
ABRAHAM, M. M.
Radiation damage in Al2O3 crystals implanted with 3.8 MeV Fe(2+)
[DE90-016038] 01 p0129 N91-10761
Optical characterization techniques applied to ceramic oxides
[DE91-001526] 05 p0641 N91-13556
ABRAHAM, ZULEMA
Radio emission in peculiar galaxies 08 p1254 N91-16907
ABRAHAMS, P.
Semi-empirical calculations on model systems for organosilyldiamine preceramic polymers
[DE91-013721] 20 p3329 N91-28433
ABRAHAMSON, A. LOUIS
Large Angle Transient Dynamics (LATDYN) user's manual
[NASA-CR-4401] 23 p3886 N91-31685
ABRAHAO, ADRIANA
Production of image proportions through a linear mixing model
[INPE-5170-PRE/1639] 13 p2110 N91-21615
ABRAMOFF, BENNET
Mechanical strength of silica xerogels
[AD-A225020] 04 p0506 N91-12808
ABRAMOVICI, SASHA
Boundary value problems for semilinear elliptic equations
[ITN-90-85018] 16 p2677 N91-24816
ABRAMOWITZ, A.
Smoke and extinguisher agent dissipation in a small pressurized fuselage
[DOT/FAA/CT-89/31] 06 p0778 N91-14317
ABRAMS, EVE
Device for applying constant pressure to a surface
[NASA-CASE-GSC-13230-1] 05 p0672 N91-13734
ABRAMS, MARK
High-precision Fourier transform spectroscopy of atmospheric molecules 15 p2461 N91-23637
ABRAMSON, DAVID M.
Planetary Sciences: American and Soviet Research
[NASA-CR-188165] 14 p2344 N91-22960
ABRUNA, H. D.
Underpotential deposition of silver on Pt(111). Part 1: Concentration dependence
[AD-A236692] 19 p3159 N91-27466
ABRUNA, HECTOR D.
In situ studies of potential dependent structural and distributional changes at electrochemical interfaces with x rays
[AD-A226844] 08 p1110 N91-16098
Voltammetric measurement of bimolecular electron-transfer rates in low ionic strength solutions
[AD-A229913] 12 p1865 N91-20245
Voltammetric measurement of biomolecular electron-transfer rates in low ionic strength solutions
[AD-A229918] 12 p1865 N91-20246
ABSHIRE, N. L.
RASS demonstration on a NOAA network wind profiler
[PB90-268319] 09 p1366 N91-17508
ABT, HELMUT A.
Status of the profession 24 p4121 N91-33031
ABU-HIJLEH, BASSAM ABDEL-KARIM ABDEL-RAHIM
Structure of supersonic turbulent reattaching shear layers 02 p0158 N91-10914
ABU-ZAID, SAMEER A.
Thermodynamically consistent formulations for rapid granular and turbulent multiphase flows 15 p2423 N91-23420
ABUSHAGUR, MUSTAFA A.
Optical matrix inverter for phased array radar
[AD-A227706] 07 p0994 N91-15456
ABUSHAGUR, MUSTAFA A. G.
Development of a stable electro-optical modulator
[NASA-CR-188757] 22 p3755 N91-30931
ABUZEID, SALEM OUDEH
Numerical and experimental investigation of particle transport and deposition in turbulent flows 22 p3673 N91-30453
ACCENSI, A.
EVA servicing: The Hermes capability 15 p2450 N91-23575
ACEITUNA, J.
The development of the Ariane-4 adaptor 937B 03 p0327 N91-11823
ACETO, S. C.
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
ACEVEDO, DAVID
In situ studies of potential dependent structural and distributional changes at electrochemical interfaces with x rays
[AD-A226844] 08 p1110 N91-16098
ACHACHE, JOSE J.
Report of the panel on geopotential fields: Magnetic field, section 9 13 p2107 N91-21598
ACHE, BARRY W.
Inhibition of olfactory receptor cells: An aquatic model
[AD-A234437] 22 p3716 N91-30681
ACHENBACH, F.
Gravitaxis in Physarum polycephalum 11 p1759 N91-19678
ACHENBACH, J. D.
Effect of a viscoelastic interface on the transverse behavior of fiber-reinforced composites
[AD-A233986] 18 p2939 N91-26212
ACHTEMEIER, G. L.
A variational assimilation method for satellite and conventional data: Development of basic model for diagnosis of cyclone systems
[NASA-CR-188667] 19 p3202 N91-27701
ACHTERMANN, JEFF M.
High resolution spectroscopy of the 11.3 micron emission band 06 p0890 N91-14917
ACHUTUNI, V. R.
Simulated effects of a doubling of carbon dioxide on corn production in portions of the central US
[DE91-016843] 23 p3892 N91-31722
ACKAERT, A.
Thickness variations during MOVPE growth on patterned substrates
[AD-A229685] 12 p1990 N91-20951
ACKER, A.
Cataclysmic variables with anomalous UV emission line spectrum 09 p1440 N91-17939
ACKERMAN, C.
Molecular engineering of liquid crystalline polymers by living polymerization. 9: Living cationic polymerization of 5-((4-cyano 4'-biphenyl)oxy)pentyl vinyl ethers and 7-((4-cyano 4'-biphenyl)oxy)heptyl vinyl ether and the mesomorphic behavior of the resulting polymers
[AD-A229769] 12 p1874 N91-20302
ACKERMAN, STEVEN A.
Comparison of NOAA-9 ERBE measurements with Cirrus IFO satellite and aircraft measurements 01 p0079 N91-10471
ACKERMAN, THOMAS
Determination and impact of surface radiative processes for TOGA COARE 19 p3182 N91-27599
ACKERMAN, THOMAS P.
Cirrus microphysics and radiative transfer: A case study 01 p0077 N91-10463
Cirrus cloud statistics: Temperatures and optical depths 01 p0078 N91-10466
The radiation budget of a Cirrus layer deduced from simultaneous aircraft observations and model calculations 01 p0078 N91-10467
Preliminary results of radiation measurements from the marine stratus FIRE experiment 01 p0091 N91-10529
An efficient and accurate technique to compute the absorption, emission, and transmission of radiation by the Martian atmosphere 14 p2350 N91-22995
ACKERMANS, PAUL ANTON JOSEF
Surface analysis by low-energy ion scattering: Two-dimensional detection and quantification
[ETN-91-98474] 08 p1116 N91-16133
ACKERS, GARY K.
Studies of mutant hemoglobins to define types of modifications useful in the design of blood substitutes
[AD-A234997] 18 p3029 N91-26723
ACKLEY, KEITH
Framework programmable platform for the advanced software development workstation. Integration mechanism design document
[NASA-CR-188592] 17 p2830 N91-25636
ACKLIN, R. C.
Contract crystal growth and fabrication services
[AD-A225381] 03 p0425 N91-12378
ACKROYD, J.
The Sowerby Research Centre and university liaison 23 p3894 N91-31730
ACKVA, JOHANNES
Motion equations and stability analysis or shaft of single-bladed and two-bladed wind turbines with FE-modeled tower
[ILR-MITT-236(1990)] 03 p0374 N91-12093
ACOSTA, WALDO
Jet-A reaction mechanism study for combustion application
[NASA-TM-104441] 23 p3797 N91-31181
ACREE, JAMES L.
Turbulence scales in the passage of a linear turbine cascade
[AD-A230521] 12 p1896 N91-20428
ACTIS, RICARDO L.
Hierarchic models for laminated composites
[AD-A233258] 16 p2589 N91-24350
Hierarchic models for laminated plates
[NASA-CR-188638] 19 p3117 N91-27223
ACTON, DANIEL SCOTT
Real-time solar imaging with a 19-segment active mirror system: A study of the standard atmospheric turbulence model 16 p2704 N91-24966
ACTON, LOREN W.
Policy opportunities 24 p4120 N91-33029
ADAIR, ELEANOR R.
Thermoregulatory consequences of resonant microwave exposure
[AD-A226540] 05 p0694 N91-13864
ADAIR, J. H.
Piezoelectric and electrostrictive materials for transducer applications, volume 1
[AD-A236219] 19 p3158 N91-27458
Piezoelectric and electrostrictive materials for transducer applications, volume 2
[AD-A236220] 19 p3158 N91-27459
ADAM, JOZSEF
Estimability of geodetic parameters from space VLBI observables
[NASA-CR-187413] 06 p0839 N91-14636
ADAM, SUSAN
Microgravity cursor control device evaluation for Space Station Freedom workstations 12 p1948 N91-20717
ADAMCZYK, JOHN J.
Simulation of turbomachinery flows 02 p0151 N91-10880
Turbomachinery 12 p1837 N91-20097
Simulation of turbomachinery flows 13 p2013 N91-21069

Average-passage flow model development
16 p2587 N91-24338

ADAMIAN, S.
Environment fact finding mission report
[PB91-130369] 13 p2112 N91-21628

ADAMOVICH, B. A.
State-of-the-art automated evaluation of functional state of the body in the space program and preventive medicine 18 p3022 N91-26687

ADAMOVSKY, GRIGORY
Fiber optic sensing system
[NASA-CASE-LEW-14795-1] 13 p2153 N91-21671

ADAMS
Polyhedral approaches for solving 0-1 polynomial programming problems
[AD-A235219] 18 p3052 N91-26851

ADAMS, B.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157

ADAMS, DONALD F.
Composite specimen design analysis. Volume 2: Experimental efforts
[AD-A238277] 21 p3470 N91-29247

ADAMS, F. W.
Al mass spectrometers for space shuttle health monitoring 14 p2362 N91-23069

ADAMS, GEORGE F.
Ab initio study of the electric dipole transition moment for the electronic X to C transition in acetylene: Theoretical predictions of the absorption and magnetic circular dichroism intensities
[AD-A231227] 13 p2077 N91-21442
Quantum chemical studies of candidate high energy density material compounds
[AD-A232393] 15 p2408 N91-23335

ADAMS, J.
Measurement of electric field strength near higher powered personal transceivers
[PB91-107268] 09 p1326 N91-17280

ADAMS, J. C.
CFD calibration and application to the design of flow tailoring devices for simulating forebody influences on fighter aircraft inlet flows 17 p2772 N91-25339
MUltigriD software for elliptic partial differential equations: MUDPACK
[PB91-168088] 19 p3232 N91-27866

ADAMS, J. H., JR.
Preliminary results from the heavy ions in space experiment 16 p2710 N91-24995

ADAMS, JOHN B.
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594

ADAMS, L.
Development of semiconductor test structures for reliability evaluation 24 p3990 N91-32292

ADAMS, L. M.
Analytical and numerical studies in flow development
[DE90-010424] 08 p1137 N91-16258

ADAMS, LOYCE M.
Numerical algorithms for parallel computers
[AD-A233348] 16 p2670 N91-24775

ADAMS, M. L.
Analysis of spherical geometry finite element transport solutions in the thick diffusion limit
[DE91-007598] 11 p1783 N91-19780
Even- and odd-parity finite-element transport solutions in the thick diffusion limit
[DE91-007618] 11 p1783 N91-19781
Discontinuous finite-element transport solutions in the thick diffusion limit in Cartesian geometry
[DE91-007620] 11 p1783 N91-19782

ADAMS, M. W. W.
The metabolism of hydrogen by extremely thermophilic bacteria
[DE91-011031] 17 p2817 N91-25569

ADAMS, MILTON B.
Planning and planning management for autonomous and semi-autonomous vehicles 17 p2732 N91-25127

ADAMS, NATHAN P., III
The effects of fuel additives on soot formation
[AD-A230833] 12 p1878 N91-20325

ADAMS, NIGEL G.
Ion and electron interactions at thermal and suprathermal energies
[AD-A230492] 12 p1976 N91-20872

ADAMS, P. A.
Strain gauge cabling, conditioning, and sensitivity calculations for the CT-114 (Tutor) aircraft aft fuselage and empennage full-scale fatigue test
[NAE-LTR-ST-1758] 21 p3517 N91-29534

ADAMS, PAUL M.
Procedures for the preparation of samples for cross-sectional transmission electron microscopy
[AD-A227013] 06 p0805 N91-14444
Double-crystal x ray diffraction studies of Si ion-implanted laser-annealed GaAs
[AD-A232006] 14 p2332 N91-22882

ADAMS, R. D.
The transformation of organic amines by transition metal cluster compounds
[DE91-010622] 17 p2759 N91-25276

ADAMS, R. G.
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866

ADAMS, REGINALD C.
A framework for understanding the strategic defense initiatives' software debates
[AD-A237193] 21 p3570 N91-29852

ADAMS, RICHARD J.
Analysis of helicopter mishaps at heliports, airports, and unimproved sites
[SCT-90RR-46] 09 p1275 N91-17010
Controller design for a laser steering mirror on a flexible structure
[AD-A231735] 14 p2269 N91-22552

ADAMS, RICHARD R.
Close-range photogrammetric measurement of static deflections for an aeroelastic supercritical wing
[NASA-TM-4194] 05 p0613 N91-13400
Analytical and photogrammetric characterization of a planar tetrahedral truss
[NASA-TM-4231] 05 p0627 N91-13473

ADAMS, STUART
Techniques for transient error recovery and avoidance in redundant processing systems
04 p0483 N91-12686

ADAMS, W. W.
A user's manual for fiber diffraction: The automated Picker and Huber diffractometers
[AD-A231802] 14 p2249 N91-22441
Tensile modulus by x ray diffraction: Instrument and method
[AD-A231991] 14 p2277 N91-22593

ADAMS, WILLIAM M.
Design and test of three active flutter suppression controllers 14 p2230 N91-22334

ADAMSKI, JOSEPH A.
Growth and characterization of III-V epitaxial films
[AD-A225087] 03 p0423 N91-12369

ADAMSON, A. J.
The 3 micron spectrum of NGC 4565
05 p0740 N91-14132

ADAMSON, H. PATRICK
Ramifications of the recent FAA rule for windshear systems on the development of forward-looking systems
03 p0303 N91-11691

ADAMSON, PAT
Status of turbulence Prediction System's AWAS 3
16 p2552 N91-24146

ADAMSON, T. C., JR.
Hypersonic aerodynamics and control
[AD-A225058] 03 p0301 N91-11678

ADAN, I. J. B. F.
Analysis of the asymmetric shortest queue problem. Part 1: Theoretical analysis
[MEMO-COSOR-90-01-PT-1] 07 p1057 N91-15810
Analysis of the asymmetric shortest queue problem. Part 2: Numerical analysis
[MEMO-COSOR-90-03-PT-2] 07 p1058 N91-15811
Analysis of the symmetric shortest queue problem
[MEMO-COSOR-90-19] 07 p1058 N91-15813
Analysis of the asymmetric shortest queue problem with threshold jockeying
[MEMO-COSOR-90-20] 07 p1058 N91-15814

ADCOCK, P.
Electronically controlled fuel injection for diesel engines
[TT-9012] 07 p1010 N91-15543

ADDERHOLDT, BRUCE M.
Design and fabrication of instrumented composite airfoils for a cryogenic wind tunnel model
[NASA-TM-102740] 04 p0536 N91-12971

ADDERLEY, P.
A beam position monitor for low current dc beams
[CEBAF-PR-89-004] 06 p0871 N91-14816

ADDIS, F. W.
GaAs solar cell photoresponse modeling using PC-1D V2.1 11 p1668 N91-19193

ADDIS, F. WILLIAM
GaAs solar cells for laser power beaming
22 p3635 N91-30229

ADDIS, R. B.
Application of telerobotic control to remote processing of nuclear material
[DE91-016562] 24 p4026 N91-32501

ADDISON, ROBIN
Hopping synthesizer controller
[AD-A233428] 16 p2618 N91-24493

ADE, PETER
Performance tests on Ge:Ga and Ge:Be detectors for the ISO long wavelength spectrometer
13 p2180 N91-22045

ADE, ROBERT WILLIAM
Optical interconnection by vertical coupling of single-mode fibers to semiconductors
16 p2688 N91-24880

ADELEKE-SHEIDUN, P. O.
Pavement marking materials program
[PB90-264615] 09 p1286 N91-17067

ADELMAN, HENRY G.
Analytical and experimental investigations of the oblique detonation wave engine concept
15 p2379 N91-23169

ADELMAN, HOWARD M.
A discourse on sensitivity analysis for discretely-modeled structures
[NASA-TM-104065] 13 p2103 N91-21577

ADELMAN, LEONARD
Examining the effect of information order on expert judgment
[AD-A239708] 23 p3901 N91-31774

ADELMAN, ROBERT
Gallium as a unique anti-resorptive agent in bone: Preclinical studies on its mechanisms of action
[DE90-010650] 08 p1190 N91-16542

ADELMAN, SAUL J.
A catalog of stellar spectrophotometry (Adelman, et al. 1989): Documentation for the machine-readable version
[NASA-TM-105045] 22 p3772 N91-31033
A multiplet table for Mn I (Adelman, Svatek, Van Winkler, Warren 1989): Documentation for the machine-readable version
[NASA-TM-105067] 22 p3773 N91-31041

ADELSECK, BERND
Millimeter-wave monolithic integrated receiver circuits
07 p0942 N91-15162

ADEYIGA, A. A.
Evaluation of on-board hydrogen storage methods for hypersonic vehicles 19 p3273 N91-28108

ADHIHETTY, I. S.
Quantitative infrared determination of composition and properties of Borophosphosilicate Glass (BPSG) thin films using multivariate calibration
[DE90-017030] 09 p1319 N91-17243

ADHIKARI, S. D.
Towards the exact nature of a certain error term
[DE91-617574] 20 p3393 N91-28801

ADKINS, ALFRED L.
New York area control facility/metroplex control facility vulnerability analysis
[DOT/FAA/CT-TN91/21] 19 p3103 N91-27146

ADKINS, D. R.
An update on the development of heat-pipe solar receivers for Stirling/dish-electric systems
[DE91-004568] 09 p1356 N91-17450

ADKINS, DOUGLAS R.
Bench-scale testing of a heat-pipe receiver for solar thermal electric applications
[DE90-009834] 02 p0231 N91-11289
Experiments on bench-scale heat-pipe solar receivers
[DE90-013806] 05 p0684 N91-13806

ADKINS, N. J. E.
Solidification of fine dispersions in microgravity (TEXUS 14b) 23 p3845 N91-31441

ADKISSON, LORI
Connectivity alternatives for remote users of the Maintenance Processor Subsystem (MPS)
[DOT/FAA/CT-90/16] 05 p0700 N91-13900

ADLER, D. S.
A relationship between the integrated CO intensity and the radio continuum emission in spiral galaxies
05 p0744 N91-14146
A high resolution CO map of M51
05 p0755 N91-14203

ADLER, R. F.
The Millimeter-Wave Imaging Radiometer (MIR)
17 p2795 N91-25483

ADLER, R. J.
Pulse power switching with large vacuum triodes
[DE91-014671] 22 p3688 N91-30425

ADLER, RICHARD M.
EXODUS: Integrating intelligent systems for launch operations support 12 p1941 N91-20681
A hierarchical distributed control model for coordinating intelligent systems 14 p2314 N91-22783

ADLINGTON, J. E.
The fatigue strength of electroplated components
17 p2787 N91-25424

ADOLF, D.
The cure of rigid polyurethane encapsulating foam
[DE91-016059] 21 p3492 N91-29379

ADOLPH, H. G.
Synthesis of energetic single phase and multi-phase polymers
[AD-A235104] 18 p2964 N91-26363
ADOLPH, HORST G.
Energetic binders for plastic bonded explosives
[AD-D014830] 16 p2611 N91-24455
ADRIANI, A.
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390
ADVANI, A.
Shock-induced chemical reactions and synthesis of binary compounds
[DE91-004296] 07 p0976 N91-15355
ADVANI, A. H.
Deformation effects on the development of grain boundary chronium depletion (sensitization) in type 316 austenitic stainless steels
[DE90-016130] 02 p0195 N91-11092
ADZIC, R. R.
Investigation of phenomena related to D2O electrolysis at a palladium cathode
[AD-A236409] 19 p3126 N91-27272
AEGERTER, M. A.
Superconducting films made by spin-coating of acetate solutions
[DE91-011119] 17 p2872 N91-25888
AESCHLIMAN, DANIEL P.
Joint computational/experimental aerodynamics research on a reentry vehicle. Part 1: Experimental results
[DE90-012759] 07 p0962 N91-15296
AFELTRA, V.
Advanced technology application in the flight deck design for military transport aircrafts
10 p1464 N91-18075
AFIK, ZVIKA
Ray analysis of SEM resonances of two dimensional finned cylinders
[ITN-90-85025] 07 p0989 N91-15427
AFRID, MOHAMED
Three-dimensional natural convection
07 p1003 N91-15509
AGAH-TEHRANI, A.
A model for wet filament winding of composite cylinders with arbitrary thickness
[AD-A234102] 18 p2940 N91-26215
Interfacial slippage of a unidirectional fiber composite under longitudinal shearing
[AD-A234186] 18 p2940 N91-26216
AGAN, CHRISTOPHER E.
Coupling artificial intelligence and a system dynamics simulation to optimize quality assurance and testing in software development
[AD-A226580] 05 p0700 N91-13902
AGARWAL, A.
Automated flight test management system
[NASA-CR-186011] 14 p2194 N91-22117
AGARWAL, ANANT
APRIL: A processor architecture for multiprocessing
[AD-A237476] 21 p3553 N91-29739
The MIT Alewife machine: A large-scale distributed-memory multiprocessor
[AD-A237705] 21 p3560 N91-29784
Critical problems in very large scale computer systems
[AD-A229328] 22 p3722 N91-30714
AGARWAL, RAMESH K.
Computation of inlet/forebody interaction flowfields
17 p2772 N91-25342
AGARWALA, VINOD S.
Proceedings of the Tri-Service Conference on Corrosion
[AD-A229334] 22 p3650 N91-30311
AGBORMBAI, ADOLF A.
Reciprocity theory of binary inelastic encounters
[IC-AERO-89-03] 24 p4012 N91-32425
AGER, C.
Investigation of the uniformity of the magnetic field and flux density in the NPL permeameter
[NPL-DES-101] 05 p0711 N91-13968
AGGARWAL, J. K.
Positional estimation techniques for an autonomous mobile robot
[NASA-CR-187689] 05 p0670 N91-13725
Synergetic multisensor fusion
[AD-A232089] 15 p2486 N91-23766
Multi-sensor image interpretation using laser radar and thermal images
[AD-A238245] 21 p3524 N91-29576
AGGARWAL, M. D.
A study of microstructural characteristics of Ni-based superalloys at high temperatures
[NASA-CR-188047] 14 p2247 N91-22432
A study of microstructural characteristics and differential thermal analysis of Ni-based superalloys
19 p3275 N91-28115
AGGARWAL, P. K.
Method to select chemicals for in situ biodegradation of fuel hydrocarbons
[AD-A227541] 07 p0987 N91-15417
AGGARWAL, SURESH K.
Measurements and predictions of a liquid spray from an air-assist nozzle
[NASA-TM-103640] 05 p0623 N91-13455
AGGREY, KWESI E.
Volatile compounds in shergottite and nakhlite meteorites 14 p2349 N91-22993
AGIM, Y. Z.
Magnetic fluctuations due to thermally excited Alfven waves
[DE90-011790] 21 p3584 N91-29940
AGIM, YUSUF ZIYA
Two-dimensional magnetohydrodynamic equilibria with flow and studies of equilibrium fluctuations
01 p0123 N91-10727
AGNEW, DUNCAN CARR
Statistical description of tectonic motions
[NASA-CR-188775] 22 p3707 N91-30634
AGNEW, JEFFREY R.
Localization performance with synthesized directional audio
[AD-A230316] 12 p1975 N91-20864
AGRANAT, A.
Optoelectronic realizations of neural network models
[AD-A228841] 09 p1327 N91-17292
AGRANAT, AHARON
Dependence of the photorefractive properties of KTa(1-x)Nb(x)O3:Cu,V on Cu valence state concentration
[AD-A230954] 13 p2161 N91-21917
AGRAWAL, ANIL K.
The TOPEX ground data system
14 p2209 N91-22201
Satellite control center for 2000 and beyond
14 p2210 N91-22207
AGRAWAL, DHARMA P.
Strategies for reliable and real time execution on a heterogeneous multiprocessor
[AD-A234114] 18 p3043 N91-26801
AGRAWAL, GOVIND
Proceedings of the Optoelectronic Workshop 27: Semiconductor Lasers and Their Applications
[AD-A233779] 18 p2988 N91-26496
AGRAWAL, SUNIL KUMAR
A study of in-parallel manipulators
17 p2782 N91-25397
AGUIAR, H.
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
AGUILERA-NAVARRO, V. C.
Variational and perturbative schemes for a spiked harmonic oscillator
[DE90-637409] 03 p0410 N91-12289
AGUREYEV, A. N.
Feeding the Salyut-7 crews 22 p3714 N91-30671
Feeding the Salyut-7 crews 22 p3716 N91-30685
AGUTTES, J. P.
Object oriented programming in MMI: A software tool for analysis and planification of a radar imaging mission
14 p2219 N91-22266
Object oriented programming in MMI: A software tool for analysis and planification of a radar imaging mission
15 p2452 N91-23589
AHEARN, J. S.
Study of factors determining the radiation sensitivity of quartz crystal oscillators (AO189)
16 p2723 N91-25082
AHEARN, MICHAEL F.
Chiron: Evidence for historic cometary activity
17 p2892 N91-25988
The 15 years of comet photometry: A comparative analysis of 80 comets 17 p2896 N91-26004
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012
Optical/IR from ground 24 p4119 N91-33020
Planetary astronomy 24 p4120 N91-33027
AHEARN, MIKE F.
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020
IUE observations of comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko 12 p2003 N91-21024
IUE observations of comet Austin (1989c1)
12 p2003 N91-21025
AHIER, M.
The SCOS: A configurable infrastructure for the control of spacecraft using packets 14 p2208 N91-22194
AHLBORN, H.
Solidification of a hypereutectic alloy (TEXUS 1)
23 p3837 N91-31399
AHLERS, C.
Bifurcations and patterns in non-linear dissipative systems
[DE91-017402] 24 p4112 N91-32984
AHLERS, STEPHEN T.
Development of an animal model of human non-freezing cold injury: Changes in thermal sensitivity following cold exposure
[AD-A227174] 06 p0852 N91-14705
AHMAD, ABDULGADER M.
Northwest African depressions and their relationship to jet streams 02 p0236 N91-11318
AHMAD, MAOBOOL
Effect of transition metal dopants on high T(sub c) superconductivity
[PB91-130138] 15 p2514 N91-23934
AHMED, B.
Air traffic controller memory enhancement
[DOT/FAA/CT-TN90/38] 06 p0854 N91-14713
AHMED, I.
Program to study the process parameters of OMVPE and their relationship to the properties of Ga(0.47)In(0.53) as ON InP substrates
[AD-A226618] 06 p0878 N91-14851
AHMED, RAFI
Version control and management in computer-aided design databases 05 p0699 N91-13896
AHMED, S.
Numerical computation of viscous flow about unconventional airfoil shapes
[NASA-CR-187343] 01 p0004 N91-10019
Methanol reformers for fuel cell powered vehicles: Some design considerations
[DE91-006465] 11 p1691 N91-19314
Thermal-hydraulic model of a solid-oxide fuel cell
[DE91-006393] 11 p1726 N91-19507
AHMED, S. A.
Premixed, turbulent combustion of axisymmetric sudden expansion flows 16 p2579 N91-24294
AHMED, S. R.
Fuselage aerodynamics design issues and rotor/fuselage interactional aerodynamics. Part 2: Theoretical methods 10 p1460 N91-18053
AHMED, SALAHUDDIN
Computation of turbulent flow about unconventional airfoil shapes 08 p1091 N91-15992
AHMED, SELINA
International food patterns for space food
19 p3267 N91-28068
AHN, B. T.
In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958
AHN, JOONG BAE
A study of El Nino/Southern Oscillation: Numerical experiments and data analysis 20 p3377 N91-28710
AHN, KYUNG H.
A 2-D oscillating flow analysis in Stirling engine heat exchangers
[NASA-TM-103781] 11 p1702 N91-19375
AHN, KYUNG HWAN
Transient thermal analysis of a Brayton cycle solar dynamic heat receiver 14 p2280 N91-22613
AHO, I.
Absorption heat pump in heating and cooling systems of buildings
[DE91-752988] 18 p3005 N91-26593
AHRENS, E. T.
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959
AHZI, S.
Modelling of deformation textures evolution in semi-crystalline polymers
[AD-A237288] 21 p3486 N91-29342
AIELLO, ROBERT A.
Low velocity impact analysis with NASTRAN
[NASA-TM-103169] 06 p0802 N91-14426
AIELLO, SANTI
Production and transfer of UV photons in non-homogeneous spherical clouds
06 p0899 N91-14966
Grains in galactic haloes 06 p0901 N91-14984
AIFER, E.
Significant reduction in arc frequency biased solar cells: Observations, diagnostics, and mitigation technique(s)
22 p3636 N91-30235

AIHARA, SHIN ICHI
Parameter identification for two-point boundary value processes
[MEMO-917] 23 p3921 N91-31909
AIHARA, Y.
New lightning progression and striking distance model
[DE91-736787] 10 p1558 N91-18566
Progressive feature of stepped leader on Japan sea coast in winter (basic data to establish shielding theory for lightning)
[DE91-742133] 11 p1739 N91-19561
AIKAWA, MASAMICHI
Electron microscopy to correlate cell structures and biochemical activity
[AD-A239640] 23 p3898 N91-31758
AIKIN, A. C.
Spring polar ozone behavior
[AERONOMICA-ACTA-A-359-1991] 22 p3704 N91-30615
AIKIN, R. M., JR.
The mechanisms of dispersion strengthening and fracture in Al-based XD(tm) alloys, part 1
[NASA-CR-4365] 16 p2599 N91-24402
AILINGER, K. G.
Measurements of surface shear stresses under a three-dimensional turbulent boundary layer using oil-film laser interferometry
[AD-A229494] 22 p3671 N91-30443
AINDOW, MARK
Direct cast titanium alloy strip
[AD-A227639] 07 p0979 N91-15375
AINE, C. J.
Noninvasive studies of human visual cortex using neuromagnetic techniques
[DE91-001856] 07 p1035 N91-15680
AINSLEIGH, P. L.
Variable projection methods with application to sums of exponentials in white noise
[AD-A231344] 14 p2323 N91-22829
AISO, HIDEAKI
The application of the consistency to characteristics to implicit difference approximation
04 p0458 N91-12561
Difference scheme of Boltzmann-Godunov type
04 p0465 N91-12606
AITKEN-CADE, PHILIP B.
Top quality management, reliability, and maintainability: Institutional goals with built in barriers
[AD-A230134] 13 p2099 N91-21552
AITKEN, DONALD J.
A human factors approach to range scheduling for satellite control 12 p1946 N91-20703
AITKEN, J.
NAE participation in the United States FAA vertical separation study
[NAE-LTR-FR-105] 21 p3455 N91-29160
AITKEN, JOHN
Bubble generation and movement under microgravity conditions
[NAE-LTR-FR-110] 21 p3494 N91-29388
AJAYI-MAJEBI, ABAYOMI J.
Servomotor-Linked Articulated Versatile End Effector (SLAVE2) 19 p3274 N91-28111
AJAYI, O. O.
The role of soft (metallic) film in tribological behavior of ceramic materials
[DE91-006003] 10 p1505 N91-18283
Combined solid and liquid lubrication of silicon nitride under boundary conditions
[DE91-011164] 17 p2784 N91-25409
Boundary lubrication of ceramic materials by soft metallic coating and synthetic oil
[DE91-014017] 20 p3354 N91-28577
Tribological behavior of silver films prepared on ceramic surfaces by ion-beam-assisted deposition
[DE91-017306] 24 p4027 N91-32505
AJER, HALVOR ROLF
A study of a titanium doped sapphire laser
[FFI-90/7040] 10 p1529 N91-18421
AKABANI, G.
Reevaluation of S-values considering electron transport
[DE91-015428] 21 p3577 N91-29893
AKADA, TAMIO
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
AKASHI, TAKEO
Application of knowledge-based system to spacecraft monitoring 14 p2216 N91-22250
AKASOFU, SYUN I.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
AKATOV, J. A.
Principle and realization of the instrument used for the CIRCE experiment on board the Mir station
11 p1760 N91-19684
AKATOV, Y. A.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679
AKAU, R. L.
Benchmark study between FIDAP and a cellular automata code
[DE91-011224] 18 p2986 N91-26486
AKAVOOR, P.
HREELS studies of Al adsorption on Si(111)
[AD-A235960] 19 p3253 N91-27994
AKBARI, H.
A guidebook for the control of summer heat islands
[DE91-016246] 24 p4042 N91-32586
AKDENIZ, Z.
Structure breaking and electron localization in liquid cryolite-sodium solutions
[DE91-618515] 16 p2607 N91-24448
AKERSON, JEROME J.
A monolithic dual-gate MESFET circuit for L-band mixers
[AD-A224686] 04 p0517 N91-12878
AKHIL, A. A.
Exploratory battery technology development and testing report for 1989
[DE91-006753] 11 p1698 N91-19352
Exploratory battery technology development report for FY90
[DE91-012131] 20 p3338 N91-26485
AKHIL, ABBAS
Advanced lead-acid batteries for utility applications
[DE91-007070] 10 p1520 N91-18367
AKHRIF, O.
Nonlinear dynamics and control of flexible structures
[AD-A232795] 17 p2739 N91-25160
AKHTYRSKIY, V. N.
JPRS report: Science and technology. USSR: Electronics and electrical engineering
[JPRS-UEE-90-006] 01 p0037 N91-10214
AKI, TAKAYUKI
A comparative study on TV-stable schemes
04 p0466 N91-12607
AKIBA, T.
Two-stage ion diode experiments on induction adder
11 p1801 N91-19884
AKIBA, YUKINORI
A two- and three-dimensional fluid flow analysis system using a fast linear system solver
04 p0451 N91-12516
AKIM, E. L.
System for information processing and executing calculational tasks for ballistic and navigation support of spacecraft mission 14 p2224 N91-22300
AKIMITSU, J.
The time evolution of the first order magnetic phase transition in Dy-4 percent Y alloy
[DE91-015423] 22 p3760 N91-30961
AKIMITSU, M.
The time evolution of the first order magnetic phase transition in Dy-4 percent Y alloy
[DE91-015423] 22 p3760 N91-30961
AKIMOTO, KAZUICHIROU
Trilateration ranging subsystem
01 p0058 N91-10347
AKIMOTO, TOSHIO
Numerical simulation of hypersonic flow around H-2 orbiting plane 04 p0458 N91-12559
Numerical simulation of hypersonic flow around H-2 orbiting plane 24 p3943 N91-32034
AKIN, DAVID
Project Artemis 10 p1478 N91-18141
AKINRIMISI, J.
Ion dynamics in the plasma mantle
[IFSI-89-20] 02 p0276 N91-11550
AKITA, S.
Present R and D status of high-Tc superconductors and prospects for power applications
[DE91-736780] 09 p1412 N91-17770
Development of Nb3Sn ac superconductor, part 1
[DE91-742150] 10 p1609 N91-18880
AKITSU, TETSUYA
A spectroscopic study of a plasma light source excited by a double Blumlein pulse forming network
19 p3248 N91-27963
AKIYAMA, H.
Soft x ray emission from a gas-puff z-pinch plasma
19 p3249 N91-27970
AKIYAMA, HIDENORI
Generation of pulsed ion beams by an inductive storage pulsed power generator 11 p1802 N91-19891
AKIYAMA, T.
Further development of IDGS: Isotope dilution gamma-ray spectrometry
[DE91-016315] 24 p4104 N91-32936
AKLONIS, J. J.
Model filled polymers. Part 6: Determination of the crosslink density of polymeric beads by swelling
[AD-A225783] 04 p0507 N91-12816
Model filled polymers versus synthesis of crosslinked monodisperse polymethacrylate beads
[AD-A227236] 08 p1118 N91-16146
Model filled polymers 8: Synthesis of crosslinked polymeric beads by seed polymerization
[AD-A237429] 21 p3487 N91-29349
Model filled polymer 7: Flow behavior of polymers containing monodisperse crosslinked polymeric beads
[AD-A237430] 21 p3487 N91-29350
Model filled polymers 9: Synthesis of uniformly crosslinked polystyrene microbeads
[AD-A237472] 21 p3488 N91-29352
AKLUFI, M.
Synthesis of diamond films by microwave generated pulsed plasmas
[AD-A237228] 21 p3486 N91-29341
AKMAN, N.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13851
AKMAN, V.
IDDL: A language for intelligent interactive integrated CAD systems
[CWI-CS-R9056] 17 p2834 N91-25663
AKSAY, I. A.
Stress-density variations in alumina sediments: Effects of polymer chemistry
[DE91-009055] 15 p2404 N91-23313
Advances in the drained shaping of ceramics
[DE91-015429] 21 p3492 N91-29376
Processing science of advanced ceramics, volume 155
[AD-A229587] 22 p3653 N91-30331
AKSELROD, S.
Temperature distribution and thermal damage during tissue ablation by CO2 laser irradiation: Model and experiment 15 p2497 N91-23833
An on-line computerized system for blood-flow measurements 15 p2498 N91-23834
AKSIT, M.
Data abstraction, concurrency and synchronization in Sina
[PB91-185454] 21 p3604 N91-30053
AKSIT, MEHMET
An object-oriented analysis, design, and implementation of a network database 23 p3915 N91-31865
AKUJOR, CHIDI E.
Radio structures in QSO-galaxy pairs
08 p1257 N91-16924
AKUNDI, MURTY A.
LIF and emission studies of copper and nitrogen
18 p3091 N91-27089
AKYURTLU, ATES
Evaluation of on-board hydrogen storage methods f or high-speed aircraft
[NASA-CR-187755] 14 p2194 N91-22121
Evaluation of on-board hydrogen storage methods for hypersonic vehicles 19 p3273 N91-28108
AKYURTLU, J. F.
Evaluation of on-board hydrogen storage methods for hypersonic vehicles 19 p3273 N91-28108
AKYURTLU, JALE F.
Evaluation of on-board hydrogen storage methods f or high-speed aircraft
[NASA-CR-187755] 14 p2194 N91-22121
AKYUZ, S.
Laser Raman and infrared spectroscopic studies of molecular systems: Structural analysis of some clathrate compounds
[DE91-617733] 16 p2684 N91-24860
AL-ALUSI, THAMIR RAUF
An experimental study of natural convection heat transfer from a horizontal cylinder array vertically aligned to and confined by a single wall and two walls
02 p0211 N91-11178
AL-HUSSAINI, HAZIM MUHAMMADE ALI
Theoretical and experimental study on the ultrasonic fuel injector valve 03 p0372 N91-12083
AL-KAYIEM, HUSSAIN HAMMOD
Separated flow on a high lift wing: A study of the turbulent characteristics of the separated flow region on a high lift wing under normal and wing body conditions by means of a flying hot-wire technique 04 p0470 N91-12632
AL-NASSAR, YAAGOUB NASSAR
Scattering of Lamb waves in an elastic plate for ultrasonic nondestructive evaluation of weldments and cracks 08 p1165 N91-16412

AL-TAIE, ARKAN KHILKHAL HUSAIN
Experimental study of radiation from coated turbine blades 14 p2195 N91-22122
ALAG, GURBUX S.
A proposed Kalman filter algorithm for estimation of unmeasured output variables for an F100 turbofan engine
[NASA-TM-4234] 11 p1650 N91-19099
ALAGHBAND, GITA
The FORCE: A highly portable parallel programming language
[NASA-CR-187928] 11 p1775 N91-19732
ALAM, M.
Adhesion between CVD diamond films and tungsten
[DE91-013757] 20 p3329 N91-28434
ALAM, M. S.
Braun heat pump engine/compressor and its hermetic rod seal
[DE91-017151] 24 p3981 N91-32239
ALAMGIR, M.
Studies of the fundamentals of solids state batteries
[AD-A228772] 08 p1135 N91-16247
ALAN, IRFAN
System and component design and test of a 10 hp, 18,000 rpm AC dynamometer utilizing a high frequency AC voltage link, part 1
[NASA-CR-188442] 20 p3348 N91-28539
ALANIS, MACEDONIO
A simulated user for laboratory investigation of information systems requirements determination
20 p3440 N91-29087
ALARIE, JEAN PIERRE
Construction and evaluation of a regenerable flouroimmunochemical-based fiber optic biosensor
[DE91-004886] 10 p1596 N91-18807
ALASHQUR, ABDALLAH MOHAMMED
A query model and query and knowledge definition languages for object-oriented databases
08 p1197 N91-16580
ALAVI, KAMBIZ
Photovoltaic quantum well infrared photodetectors
06 p0795 N91-14393
ALBARES, D. J.
Thickness measurements of silicon films using partial coherence interferometry
[AD-A235211] 18 p3064 N91-26930
ALBARES, DONALD J.
Optical fiber-to-channel waveguide coupler
[AD-D014598] 07 p0984 N91-15399
ALBEE, ARDEN
Mantle dynamics and geodesy
[NASA-CR-187330] 07 p1028 N91-15642
ALBEE, ARDEN L.
Mars Observer: A global mapping mission
17 p2912 N91-26077
ALBERS, JAMES A.
Aviation safety and automation technology for subsonic transports
[NASA-TM-103831] 09 p1275 N91-17009
NASA Ames aerospace systems directorate research
[NASA-TM-103844] 13 p2184 N91-22066
ALBERSHEIM, P.
CarbBank and the complex carbohydrate structure database
[DE91-009872] 16 p2699 N91-24948
ALBERT, C. J.
Spin effects in two-photon pair production
[DE91-006271] 10 p1592 N91-18779
ALBERT, DONALD G.
Preliminary analysis of measured sound propagation over various seasonal snow covers
08 p1215 N91-16687
ALBERT, TERENCE R.
The design of a real-time adaptive filter development system
[AD-A237134] 21 p3504 N91-29448
ALBERTA, TIMOTHY L.
The effect of latent heat release on synoptic-to-planetary scale wave interactions and implications for satellite observations: Observational study
08 p1185 N91-16515
ALBERTI, J. C.
Process monitoring of polyurethane foam using Fourier transform infrared spectroscopy
[DE91-010578] 18 p2968 N91-26385
ALBERTS, L. K.
Design as science instead of art
[MEMO-INF-91-10] 22 p3735 N91-30800
ALBERY, W. B.
A spatial disorientation predictor device to enhance pilot situational awareness regarding aircraft attitude
12 p1947 N91-20710
ALBERY, WILLIAM B.
Current status of an artificial intelligence-based loss of consciousness monitoring system for advanced fighter aircraft 08 p1193 N91-16556
ALBIN, GARY
A technique for measuring the solubilities of gases in liquids
[AD-A238071] 21 p3476 N91-29278
Basic operation and preliminary trials of a detector for stationary gas bubbles
[AD-A239710] 23 p3900 N91-31769
ALBIN, SACHARIAL
Study of diamond film growth and properties
[NASA-CR-187709] 06 p0812 N91-14483
ALBINA, J. A.
Metabolism of nonessential N15-labeled amino acids and the measurement of human whole-body protein synthesis rates 17 p2820 N91-25583
ALBLAS, HENK
An attributed ELL(1)-parser generator
[MEMO-INF-90-23] 10 p1570 N91-18634
Parallel incremental attribute evaluation
[MEMO-INF-90-42] 10 p1577 N91-18678
Attribute evaluation: Non-incremental and incremental
[MEMO-INF-90-28] 10 p1580 N91-18697
ALBRECHT, ANDREAS
Investigating decoherence in a simple system
[NASA-CR-188450] 16 p2697 N91-24933
Perturbations from cosmic strings in cold dark matter
[NASA-CR-188700] 22 p3773 N91-31043
ALBRECHT, BRUCE A.
Aircraft measurements of the mean and turbulent structure of marine stratocumulus clouds during FIRE
01 p0087 N91-10514
Cloud and boundary layer structure over San Nicolas Island during FIRE 01 p0087 N91-10515
ALBRECHT, DIETMAR
The coupling of finite methods for transport-diffusion problems
[ETN-91-98172] 05 p0659 N91-13663
ALBRECHT, G. F.
An optical technique for the direct measurement of the 2-D spectral density of a passive scalar in a turbulent flow
[DE91-005423] 10 p1524 N91-18389
ALBRECHT, H. J.
Ionospheric modification and imaginable system applications 10 p1554 N91-18544
ALBRECHT, PETER
Manufacture of containers from an oriented biopolymer 24 p4115 N91-32999
ALBRECHT, R.
Isokinetic force velocity and electromyographic characteristic of knee and elbow extensor and flexor muscles in the 0-g environment
11 p1743 N91-19584
ALBRIGHT, K.
Rate effects of standard and high strip current Microchannel Plate Image Intensifiers (MCPIIs)
[DE91-016196] 24 p4007 N91-32407
ALBRIGHT, RICK
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
ALBRIGHT, SCOT P.
High-efficiency large-area CdTe panels
[DE91-002117] 08 p1170 N91-16443
ALBRIGHT, STEPHEN LAWRENCE
Kinematics of arthropod legs: Modeling and measurement 08 p1160 N91-16391
ALBRITTON, D. L.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
ALBRITTON, J. R.
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946
ALBUGUES, F.
How to know CMC... 03 p0333 N91-11865
How to know CMC
[REPT-911-430-130] 15 p2395 N91-23262
ALBUS, JAMES S.
A closed-form massively-parallel range-from-image-flow algorithm
[PB91-112805] 12 p1954 N91-20746
ALCARAZ, A.
Finnigan ion trap mass spectrometer detection limits and thermal energy analyzer interface status report and present capabilities
[DE91-006220] 11 p1679 N91-19254
Linked gas chromatograph-thermal energy analyzer/ion trap mass spectrometer
[DE91-013585] 20 p3311 N91-28326
ALCARAZ, E.
Boundary layer turbulence appearance mechanisms studied by plane laser visualizations
[AAAF-NT-89-10] 23 p3870 N91-31587
ALCARAZ, J.
High-throughput liquid-absorption air and aerosol sampler
[DE91-013762] 20 p3370 N91-28670
ALCIATORE, DAVID GASTON LEON
Automation of a piping construction manipulator and development of a heuristic application-specific path planner 07 p1009 N91-15539
ALCOCK, CHARLES
Theory and laboratory astrophysics
24 p4120 N91-33025
ALDE, D. M.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
ALDERING, GREGORY SCOTT
The large-scale space distribution of emission-line galaxies 05 p0732 N91-14091
ALDERTON, DAVID L.
Response latency measures for biographical inventories
[AD-A235010] 18 p3077 N91-27005
ALDREDGE, RALPH CURTIS, III
Theory of premixed flame propagation in large-scale turbulence 04 p0500 N91-12774
ALDROVANDI, R.
On the structure of quantum phase space
[DE90-627185] 01 p0133 N91-10786
ALEJALDRE, C.
Effect of the aspect ratio on the stability limits of TJ-II-like stellarators
[DE91-011364] 17 p2868 N91-25867
ALEKHIN, S. I.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856
ALEKHINA, T. P.
Higher plants as part of biological human life support system 18 p3024 N91-26693
ALEKSEEV, I. I.
Stochastization of charged particle motion near magnetotail current layer
[DE91-615704] 12 p1922 N91-20573
ALEKSEYEV, V. N.
Relationship between orthostatic stability and post-space flight vestibular function in man
10 p1561 N91-18586
Vestibular reactions and intersensory interactions in weightlessness: Results of Optokinez experiment
18 p3025 N91-26698
ALEM, NABIH M.
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 2
[AD-A232907] 16 p2557 N91-24187
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 1
[AD-A233349] 16 p2558 N91-24188
ALEQUIN, W.
Habitability: CAMELOT 4 10 p1479 N91-18150
ALESSI, J. G.
The BNL toroidal volume H(-) source
[DE91-013592] 21 p3586 N91-29947
ALESSO, P.
Inherently safe nuclear-driven internal combustion engines
[DE91-016568] 24 p4027 N91-32503
ALEWINE, R. W.
Application of regional arrays in seismic verification research
[AD-A229926] 12 p1922 N91-20576
ALEXANDER, D. E.
Ion-induced grain growth in multilayer and coevaporated metal alloy thin films
[DE91-004489] 06 p0810 N91-14472
Application of a thermal spike model to experimental ion-induced grain growth data
[DE91-017320] 24 p4112 N91-32981
ALEXANDER, D. J.
Thick-section weldments in 21-6-9 and 316LN stainless steel for fusion energy applications
[DE91-015307] 21 p3589 N91-29963
ALEXANDER, DALE E.
Thermal spike model of ion-induced grain growth
[DE91-006571] 10 p1499 N91-18252
ALEXANDER, DAVID J.
Specimen size effects in Charpy impact testing
[DE90-011369] 08 p1162 N91-16399
ALEXANDER, DENNIS R.
Comparison of UNL laser imaging and sizing system and a phase Doppler system for analyzing sprays from a NASA nozzle
[NASA-CR-185239] 13 p2087 N91-21485

ALEXANDER, H.
Civil tiltrotor missions and applications. Phase 2: The commercial passenger market
[NASA-CR-177576] 18 p2923 N91-26126
ALEXANDER, J. IWAN D.
Analysis techniques for residual acceleration data
[NASA-TM-103507] 01 p0032 N91-10191
Microgravity and its effects on residual motions in fluids 03 p0430 N91-12406
Viscosity measurements at high temperature and high pressure: A novel technique
[NASA-CR-187239] 05 p0711 N91-13967
Vibration isolation technology: Sensitivity of selected classes of experiments to residual accelerations
[NASA-CR-186902] 06 p0836 N91-14624
Vibration isolation technology: Sensitivity of selected classes of experiments to residual accelerations
[NASA-CR-188662] 19 p3145 N91-27380
Residual acceleration data on IML-1: Development of a data reduction and dissemination plan
[NASA-CR-188760] 22 p3656 N91-30350
ALEXANDER, K. B.
Effect of whisker surface treatments and processing conditions on the SiC/Al2O3 interface
[DE91-004780] 07 p0970 N91-15326
The structure and chemistry of grain boundaries in ceramic superconductors
[DE91-010138] 19 p3136 N91-27325
Development of toughened ceramics for elevated temperatures
[DE91-015923] 23 p3819 N91-31301
ALEXANDER, L.
The stress regime in the Amadeus Basin region 19 p3199 N91-27683
ALEXANDER, LINDA C.
Selection criteria for alternate software life cycle process models
[AD-A233228] 16 p2669 N91-24772
ALEXANDER, MICHAEL ADAM
Interactions between the north Pacific Ocean and the Northern Hemisphere atmosphere during El Nino 20 p3377 N91-28711
ALEXANDER, MILLARD H.
Study of elementary reactions and energy transfer processes involving the NH and CN free radicals
[AD-A238461] 21 p3576 N91-29889
ALEXANDER, N.
A 1.5 to 4 kelvin detachable cold-sample transfer system: Application to inertially confined fusion with spin-polarized hydrogens fuels
[DE91-007763] 12 p1974 N91-20862
ALEXANDER, RICHARD M.
Effect of atmospherics on beamforming accuracy
[NASA-CR-187695] 06 p0869 N91-14802
ALEXANDER, S. W.
Solar electric propulsion for Mars transport vehicles
[NASA-TM-103234] 11 p1665 N91-19178
ALEXANDER, STEPHEN GEORGE
Multiple-photon Compton scattering in a strong magnetic field: Cross-sections and radiative transport 08 p1243 N91-16852
ALEXANDER, TIMOTHY
Improvements in data acquisition technology for maintenance management systems
[PB91-164418] 22 p3766 N91-30993
ALEXANDER, Y.
Analysis of high frequency surface-induced concentration fluctuations
[DE91-007561] 11 p1734 N91-19538
ALEXANDRATOS, S. D.
Polymer-based separations: Synthesis and application of polymers for ionic and molecular recognition
[DE91-009516] 14 p2252 N91-22458
ALEXANDRE, C.
Bone adaptation to real and simulated microgravity 11 p1753 N91-19643
Aragatz Mission: Bone densitometric results obtained with the SCOOP miniscanner 11 p1761 N91-19690
ALEXANDREAS, D. E.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
ALEXIADES, V.
Casting of HgCdTe
[DE91-010683] 17 p2871 N91-25880
Casting of HgCdTe
[DE91-010724] 17 p2871 N91-25881
ALEXOPOULOS, NICHOLAOS G.
On the modeling and experimentation of electromagnetically coupled microstrip dipole arrays in a substrate-superstrate
[AD-A228707] 09 p1326 N91-17285
ALEXOVICH, ROBERT
Data transmission networks 06 p0828 N91-14576
ALFANO, R. R.
Photodynamics and physics behind tunable solid-state lasers
[AD-A238365] 22 p3683 N91-30506
ALFANO, ROBERT
Ultrafast physics in microstructure and alloy systems
[AD-A224762] 03 p0422 N91-12360
ALFERDINCK, J. W. A. M.
Colour specifications for the Electronic Chart Display and Information System (ECDIS)
[IZF-1990-A-19] 05 p0682 N91-13789
ALFEYEV, V. N.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal 11 p1790 N91-19819
ALFORD, C.
X ray fiducial foils
[DE91-011193] 20 p3348 N91-28542
ALFORD, CECIL O.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 3, Task 3: Special studies
[AD-A225125] 05 p0618 N91-13430
ALFORD, J. M.
Ammonia chemisorption studies on silicon cluster ions
[AD-A224949] 04 p0500 N91-12776
ALFORD, N. MCN.
Passive microwave devices using high temperature superconductors 05 p0723 N91-14036
ALGER, LINDA
A highly reliable, autonomous data communication subsystem for an advanced information processing system 04 p0485 N91-12696
ALGOR, ILAN
The star arboricity of graphs
[ITN-90-85035] 07 p0989 N91-15428
ALHADEFF, S.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157
ALHAMWI, MIRZA
Measurement of directional hemispheric reflectivity of opaque metallic and non-metallic materials. Development of a reflectometer using parabolic mirrors
[INSA-IDI-19001] 12 p1982 N91-20906
ALI, A.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
ALI, A. W.
Overview of beam conditioning
[AD-A226404] 04 p0581 N91-13236
ALI, A. WAHAB
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
ALI, AKHTAR-UZ-ZAMAN M.
Test generation for digital circuits using parallel processing
[AD-A231006] 13 p2077 N91-21440
ALI, M. M.
Nonlinear computer analysis of backward wave oscillator 20 p3413 N91-28923
ALI, MICHAEL S.
System description document for the Anthrobot-2: A dexterous robot hand
[NASA-TM-104535] 11 p1716 N91-19449
The effect of bandwidth on telerobot system performance
[NASA-TP-3152] 22 p3689 N91-30540
ALI, MOONIS
A flight expert system for on-board fault monitoring and diagnosis
[NASA-CR-187334] 05 p0622 N91-13452
ALI, SALAMAT
The effect of impurities on high temperature bi-based superconductors
[PB91-130120] 16 p2693 N91-24911
ALI, WARSAME
Mars surface based factory. Phase 2, task 1C: Computer control of a water treatment system to support a space colony on Mars 19 p3274 N91-28110
ALIOD, R.
Turbulent flow modelling in Spain: Overview and developments 24 p4015 N91-32448
ALIVISATOS, A. P.
A photoemission investigation of compound semiconductor monodisperse clusters
[DE91-006707] 11 p1806 N91-19921
ALIYEV, I. D.
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-011] 05 p0694 N91-13861
ALKAMHAWI, HANI
Hypersonic aircraft design
[NASA-CR-187008] 04 p0477 N91-12661
ALKHATIB, HASAN S.
The TurboLAN project. Phase 1: Protocol choices for high speed local area networks. Phase 2: TurboLAN Intelligent Network Adapter Card, (TINAC) architecture
[NASA-CR-188175] 15 p2488 N91-23776
ALLAART, MARC A. F.
A primitive equation model for the equatorial Pacific
[KNMI-TR-124] 05 p0690 N91-13840
ALLAIRE, PAUL E.
Microgravity vibration isolation: An optimal control law for the one-dimensional case 13 p2037 N91-21206
ALLAMANDOLA, L. J.
The 2.5 to 5.0 micrometer spectral of Io: Evidence for H2S and H2O frozen in SO2 10 p1623 N91-18955
Low-pressure clathrate-hydrate formation in amorphous astrophysical ice analogs 17 p2892 N91-25985
ALLAMANDOLA, LOU
Theory and laboratory astrophysics 24 p4120 N91-33025
ALLAMANDOLA, LOUIS J.
Interstellar Dust: Contributed Papers
[NASA-CP-3036] 06 p0886 N91-14897
Airborne observations of the infrared emission bands 06 p0890 N91-14919
Spatial variations of the 3 micron emission features within nebulae 06 p0891 N91-14922
Spectral structure near the 11.3 micron emission feature 06 p0892 N91-14926
The nature of cometary dust as determined from infrared observations 06 p0906 N91-15003
ALLAN, CRAIG R.
Sampling and analysis of organophosphorus compounds on a thermoelectric cold plate using Fourier transform infrared emission spectroscopy
[AD-A225964] 04 p0501 N91-12782
ALLAN, DAVID W.
Device and method for providing accurate time and/or frequency
[US-PATENT-APPL-SN-471764] 03 p0368 N91-12060
Characterization of clocks and oscillators
[PB91-100909] 14 p2266 N91-22539
GPS time transfer with implementation of selective availabiiity 17 p2852 N91-25766
Performance of Soviet and US hydrogen masers 17 p2857 N91-25799
ALLARD, L. F.
Concepts for future developments in electron microscopy
[DE90-010630] 08 p1148 N91-16320
Processing and mechanical properties of Ni3Al-based intermetallic composites
[DE91-009932] 17 p2758 N91-25270
ALLBROOKS, MARTHA K.
Meteoroid and orbital debris record of the Long Duration Exposure Facility 16 p2711 N91-25003
LDEF data correlation to existing NASA debris environment models 16 p2712 N91-25011
M and D SIG progress report: Laboratory simulations of LDEF impact features 16 p2713 N91-25013
Preliminary micrometeoroid and debris effects on LDEF thermal control surfaces 16 p2713 N91-25014
ALLCOCK, HARRY R.
Synthesis of alkyl and aryl phosphazene high polymers
[AD-A229369] 22 p3653 N91-30329
ALLEGRE, J.
Experimental techniques in the field of low density aerodynamics
[AGARD-AG-318(E)] 18 p2923 N91-26124
ALLEM, R.
Rejuvenation of service exposed alloy 713C turbine blades
[NAE-LTR-ST-1716] 21 p3458 N91-29179
ALLEN, BRADLEY P.
ART-Ada: An Ada-based expert system tool 12 p1945 N91-20698
ART-Ada: An Ada-based expert system tool
[NASA-CR-188930] 24 p4087 N91-32837
ALLEN, C.
Studying the spatial distribution of interstellar dust 06 p0901 N91-14980
ALLEN, C. W.
Morphology and motion of the interface between amorphous and crystalline cobalt disilicide
[DE91-004440] 07 p1073 N91-15906
ALLEN, CHARLES W.
In situ study of the effects of heavy-ion irradiation on co-evaporated CoSi2 films
[DE91-006419] 09 p1415 N91-17792
In situ study of effects of ion-irradiation on solid state crystallization of cobalt disilicide thin films
[DE91-006547] 09 p1417 N91-17798

ALLEN, CHERYL L.
Data base architecture for instrument characteristics critical to spacecraft conceptual design
[NASA-TM-4213] 02 p0251 N91-11391
Guidance, navigation, and control subsystem equipment selection algorithm using expert system methods
[NASA-TP-3082] 17 p2829 N91-25624
ALLEN, CHRISTOPHER J.
The series Bi2Sr2Ca(n-1) Cu(n)O(2n+4) (1 less than or equal to n less than or equal to 5): Phase stability and superconducting properties
[NASA-TM-103749] 13 p2160 N91-21910
ALLEN, CHRISTOPHER W.
Regio- and stereochemical control in substitution reactions of cyclophosphazenes
[AD-A234376] 18 p2946 N91-26257
Organo- borazines.3.homo- and copolymerization of p-vinylphenyl- cyclotri- borazines
[AD-A237881] 21 p3488 N91-29357
ALLEN, D. C.
Robot development for nuclear material processing
[DE91-016567] 24 p4027 N91-32502
ALLEN, DANIEL T.
Thermionic converter emitter support arrangement
[DE90-015132] 01 p0064 N91-10383
ALLEN, DAVID H.
An analytical solution for the elastoplastic response of a continuous fiber composite under uniaxial loading
01 p0051 N91-10305
Experimental and theoretical determination of the thermomechanical response of inelastic structural materials to high energy thermal inputs
[AD-A226671] 05 p0631 N91-13496
A review of nonlinear constitutive models for metals
[NASA-TM-102727] 05 p0677 N91-13761
ALLEN, G. A.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651
ALLEN, H. W.
Human factors engineering design guidelines for the software user interface
[DE91-016061] 23 p3906 N91-31802
ALLEN, J. H.
Proceedings of the Workshop on Geophysical Informatics
[PB91-164376] 22 p3704 N91-30618
ALLEN, J. J.
Parameter estimation of structural dynamic models using Eigenvalue and Eigenvector information
[DE91-004379] 11 p1785 N91-19793
ALLEN, JAMES F.
Northeast Artificial Intelligence Consortium (NAIC). Volume 10: Time oriented problem solving
[AD-A234889] 18 p3047 N91-26824
ALLEN, JAMES G.
A knowledge-based system design/information tool for aircraft flight control systems 17 p2734 N91-25139
ALLEN, JAMES L.
The metrology of spherical shells using synchrotron x ray microtomography 13 p2065 N91-21374
ALLEN, JANICE K.
Wet atmospheric generation apparatus
[NASA-CASE-MFS-28177-1] 13 p2089 N91-21496
ALLEN, JOHN A.
An integrated cognitive architecture for autonomous agents
[AD-A225701] 04 p0555 N91-13076
ALLEN, JOHN H.
Generic radar display
[AD-D014884] 19 p3146 N91-27388
ALLEN, JOHN P.
Historical overview of the Biosphere 2 project
05 p0691 N91-13844
ALLEN, JONATHAN
Research programs at the Research Laboratory of Electronics
[AD-A225355] 04 p0518 N91-12880
The Research Laboratory of Electronics
[AD-A237670] 21 p3506 N91-29458
ALLEN, JOSEPH
Business and life in space 05 p0692 N91-13854
ALLEN, K.
Cerebral-body perfusion model
[AD-A227851] 07 p1036 N91-15683
ALLEN, LESLIE HENRY
Metal/semiconductor interactions
03 p0340 N91-11904
ALLEN, LEW
JPL initiative on historically black colleges and universities 19 p3271 N91-28096
ALLEN, LORI E.
Global and radial variations in the efficiency of massive star formation among galaxies 05 p0758 N91-14215
ALLEN, M. E.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
ALLEN, M. S.
Technology transfer: A new program between Sandia National Laboratories and the University of New Mexico
[DE91-015439] 21 p3605 N91-30058
ALLEN, MARGARET A.
Emergency egress fixed rocket package
[NASA-CASE-MSC-21332-1] 07 p0938 N91-15142
ALLEN, MIKE J.
Cluster formation in laser-induced ablation and evaporation of solids observed by laser ionization time-of-flight mass spectrometry and scanning tunneling microscopy
[DE90-010876] 08 p1152 N91-16344
ALLEN, PHILIP CHARLES
Field effect transistors
[EP-PATENT-0-298-628-A2] 09 p1325 N91-17278
ALLEN, R.
A thulium-doped fluorozirconate fiber laser pumped by a diode laser source
[AD-D014585] 07 p1006 N91-15525
ALLEN, R. C.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
ALLEN, R. J.
A relationship between the integrated CO intensity and the radio continuum emission in spiral galaxies
05 p0744 N91-14146
Granularity in the magnetic field structure of M83
05 p0753 N91-14194
A high resolution CO map of M51
05 p0755 N91-14203
Spiral structure of M51: Streaming motions across the spiral arms 05 p0756 N91-14206
ALLEN, S. L.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
Reduction of energy sweep of the ETA-2 beam
[DE91-013824] 20 p3352 N91-28568
ALLEN, S. M.
Modeling second-phase formation during rapid resolidification of stainless steel alloys
[DE91-008567] 15 p2400 N91-23291
An expert system approach to global fault detection and isolation design
[AD-A238494] 21 p3564 N91-29808
ALLEN, SUSAN M.
Effect of alumina particle additions on the aging kinetics of 6061 aluminum matrix composites
[AD-A238052] 21 p3470 N91-29246
ALLEN, T.
Development and mechanical properties of structural materials from lunar simulants 17 p2905 N91-26045
ALLEN, TOM
NASTRAN GPWG tables for combined substructures
12 p1912 N91-20512
ALLEN, W. R.
High energy iron ion implantation into sapphire
[DE90-017736] 02 p0279 N91-11568
ALLEN, W. W.
A system for the real-time display of radar and video images of targets
[NASA-CR-188058] 13 p2069 N91-21394
ALLENDORF, S. W.
High-intensity photoionization of H2
[DE91-017087] 24 p4096 N91-32885
ALLEY, G. T.
Radiation effects on JFETs (Junction Field-Effect Transistors), MOSFETs, and dipolar transistors, as related to SSC circuit design
[DE91-001486] 05 p0652 N91-13618
Monolithic front end electronics for silicon calorimeters
[DE91-012063] 20 p3338 N91-28484
ALLEY, PHILLIP W.
Infrared/submillimeter optical properties data base
17 p2877 N91-25915
ALLEY, RICHARD B.
Ice cores and SeaRISE: What we do (and don't) know
18 p3002 N91-26579
ALLEY, W. E.
Modeling the absorption of intense, short laser pulses in steep density gradients
[DE91-008735] 13 p2090 N91-21503
Hydrodynamic evolution of picosecond laser-plasmas
[DE91-013245] 20 p3419 N91-28958
ALLEYNE, H. ST. C.
Plasma wave measurements on the dayside: Scale sizes and observational requirements
01 p0070 N91-10426
ALLGOOD, GLENN O.
Prediction of helicopter simulator sickness
[DE90-016530] 06 p0853 N91-14710
ALLIA, MOURAD
Saturation and vote for the fault tolerance in distributed systems
[LAAS-90390] 15 p2480 N91-23727
ALLING, ABIGAIL
Biosphere 2 test module experimentation program
05 p0691 N91-13845
ALLINGER, DEBORAH F.
The role of time-limited dispatch operation in fault-tolerant flight critical control systems
04 p0483 N91-12687
ALLIOT, J. C.
FD-TD calculation with composite materials. Application to C160 aircraft measurements
24 p4052 N91-32637
FD-TD numerical simulation of an entire lightning strike on the C160 aircraft 24 p4054 N91-32648
ALLISON, DENNIS O.
Prediction of effects of wing contour modifications on low-speed maximum lift and transonic performance for the EA-6B aircraft
[NASA-TP-3046] 02 p0155 N91-10902
ALLISON, DONALD E.
Failure analysis techniques for the evaluation of electrical and electronic components in aircraft accident investigations
[AD-A226381] 04 p0474 N91-12647
ALLISON, M.
Linear radiosity approximation using vertex radiosities
[DE91-009754] 19 p3218 N91-27784
ALLISON, M. J.
A scientific visualization synthesizer
[DE91-012877] 23 p3908 N91-31815
ALLISON, MICHAEL J.
Image 3.3: Tutorial manual
[DE91-001762] 05 p0701 N91-13908
ALLISON, PAUL
Spatial distributions of the emitting species in a penning surface-plasma source
[DE90-011996] 08 p1228 N91-16772
ALLISTON-GREINER, A. F.
Basic mechanisms of diesel lubrication correlation of bench and engine tests
[AD-A237685] 21 p3527 N91-29596
ALLOCK, H. R.
Synthesis and structure of small-molecule cyclic phosphazenes bearing ortho-substituted aryloxy and phenoxy substituents
[AD-A234377] 18 p2961 N91-26344
ALLOIN, D.
Experience with an heroic proposal: The NGC 5548 international watch with IUE 09 p1431 N91-17879
ALLRAMSEDER, E.
MBB BO 108 helicopter ground and flight test evaluation
[MBB-UD-0546-89-PUB] 04 p0478 N91-12664
ALLREAD, J. S.
A discussion of the results of an in-situ comparison of three full-vector anemometers
[DE91-002113] 06 p0827 N91-14572
ALLRED, DAVID D.
Advanced infrared optically black baffle materials
[DE91-000561] 02 p0271 N91-11523
ALLSHOUSE, G. O.
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
ALLTON, JUDITH H.
Characterizing water/rock interaction in simulated comet nuclei via calorimetry: Tool for in-situ science, laboratory analysis, and sample preservation
17 p2891 N91-25983
ALMAGRI, A.
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960
ALMAGRI, A. F.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535

The effects of magnetic field errors on reversed field pinch plasma
[DE91-013636] 21 p3586 N91-29948

ALMAGRO-GONZALES, FRANCISCO J.
Microclimates and corrosion: A mathematical model of corrosion for Gando AFB, Spain
[AD-A229242] 09 p1314 N91-17213

ALMAHROOS, H. M. H.
Solution of three-dimensional afterbody flow using reduced Navier-Stokes equations
13 p2016 N91-21093

ALMAHROUS, MAZEN
Functional test generation for digital circuits described with a declarative language: LUSTRE
[ETN-91-99481] 22 p3670 N91-30438

ALME, M. L.
Modeling the dynamic Load/Unload behavior of ceramics under impact loading
[AD-A225999] 04 p0536 N91-12974

ALMODOVAR, E.
Small Engine Component Technology (SECT) study. Program report
[NASA-CR-175077] 16 p2561 N91-24204

ALMOG, YAEL
Emission spectrum of neutral helium
[ITN-90-85040] 07 p1064 N91-15851

ALOCK, C.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912

ALOISIO, G.
An introduction to old and new SAR interferometric techniques 07 p0992 N91-15445

ALONSO, C.
Buckling of laminated cylindrical plates including effects of shear deformation 03 p0333 N91-11866

ALP, E. E.
X ray dichroism and Faraday effect studies in ordered and disordered Fe3Pt
[DE91-017305] 24 p4111 N91-32974

ALPATOV, A. M.
Biological experiments on Kosmos-1887 Biosatellite
19 p3211 N91-27751

ALPAY, DANIEL
Interpolation problems, extensions of symmetric operators and reproducing kernel spaces, 2
[W-9005] 10 p1585 N91-18738

ALPERT, BRADLEY KEVIN
Sparse representation of smooth linear operators
[AD-A228142] 08 p1210 N91-16660

ALPERT, D. J.
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649
General theme report: Working session 2, solar thermal systems
[DE91-009251] 14 p2281 N91-22616

ALPERT, DANIEL J.
Advanced solar concentrator development in the United States
[DE91-005143] 10 p1539 N91-18470

ALPERT, YAKOV L.
Investigation of the structure of the electromagnetic field and related phenomena, generated by the Active Satellite
[NASA-CR-188758] 22 p3662 N91-30390

ALPHONSE, G. A.
Linear laser diode arrays for improvement in optical disk recording
[NASA-CR-182098] 09 p1337 N91-17342
Improving the reliability and modal stability of high power 870 nm AlGaAs CSP laser diodes for applications to free space communication systems
[NASA-CR-4345] 10 p1528 N91-18413

ALQUEZAR, RENE
Design, implementation and evaluation of new fully automated algorithms for the extraction of cardiac parameters from 3D, 2D and M-mode echocardiograms
11 p1743 N91-19582

ALSOP, D.
A rocket-borne measurement of interstellar dust emission at high galactic latitude
06 p0900 N91-14976

ALSPACH, D. A.
Absolute concentration measurements of free radicals in flames by absorption spectroscopy
[AD-A236032] 19 p3126 N91-27268

ALSRUHE, TIMOTHY F.
A statistical survey of electron pitch angle distributions in the nightside central plasma sheet
[AD-A227763] 08 p1178 N91-16486

ALSTON-GARNJOST, M.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836

ALSTON, DARRELL W.
The instrumentation of a parallel and scalable database computer: The multi-backend database computer, for benchmarking its complex operations
[AD-A225385] 04 p0605 N91-13367

ALSTON, JIM A.
Seeds in space experiment results
16 p2725 N91-25094

ALSTON, WILLIAM B.
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-3] 09 p1301 N91-17141
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-4] 17 p2744 N91-25185

ALTAMORE, A.
The VV Cep star KQ Puppis 09 p1438 N91-17924

ALTEMUELLER, J.
Geometric modeling applications interface program, volume 3
[AD-A228061] 09 p1380 N91-17586

ALTENSEE, JAMES F.
Analysis of the effect of curriculum structure on student performance measures in a computer-based instructional environment
[AD-A229544] 22 p3725 N91-30732

ALTER, WENDY
Influence of a magnetic field during directional solidification of MAR-M 246 + Hf superalloy
[NASA-CR-184114] 14 p2244 N91-22416

ALTER, WENDY SUE
Directional solidification of superalloys
[NASA-CASE-MFS-28314-1] 06 p0808 N91-14462

ALTERESCU, SIDNEY
Melt-processed bulk superconductors: Fabrication and characterization for power and space applications
15 p2542 N91-24082

ALTEROVITZ, S. A.
Ellipsometric study of InGaAs MODFET material
[NASA-TM-103286] 11 p1698 N91-19351
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935

ALTEROVITZ, SAMUEL A.
Diamondlike carbon as a moisture barrier and antireflecting coating on optical materials
10 p1509 N91-18302
Thin film characterization using spectroscopic ellipsometry 10 p1509 N91-18303
Ellipsometric study of cubic SiC
10 p1509 N91-18304
Optical dispersion relations for diamondlike carbon films 10 p1509 N91-18305
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306

ALTHAUS, WOLFGANG
Disturbed compressible plate wakes
[ETN-90-98190] 04 p0472 N91-12644

ALTICE, PETER PARKER, JR.
A study of liquid scintillator and fiber materials for use in a fiber calorimeter
[DE91-004229] 06 p0830 N91-14585

ALTIZ, O.
Description, characteristics and testing of the NASA airborne radar 16 p2554 N91-24156

ALTMAN, F. J.
UHF radiowave propagation through forests
[AD-A225972] 04 p0515 N91-12861

ALTNER, BRUCE
Carbon and nitrogen abundances in the supergiants HD 93840 and zeta Per 09 p1437 N91-17919
Properties of the central star of NGC 6826 (03f)
09 p1439 N91-17933
UV properties of hot stars in NGC 6752
09 p1446 N91-17975

ALTON, G. D.
Feasibility studies for an ECR-generated plasma stripper: Preliminary
[DE91-006649] 10 p1602 N91-18835
Design aspects for a pulsed-mode, high-intensity, heavy negative ion source
[DE91-011094] 21 p3573 N91-29864
Design aspects for a pulsed-mode, high intensity, heavy negative ion source
[DE90-012205] 22 p3753 N91-30920
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899

ALTON, LARRY
Potential use of tiltrotor aircraft in Canadian aviation
[NASA-TM-102245] 08 p1093 N91-16001

ALTROCK, RICHARD C.
The variation of solar Fe 14 and Fe 10 flux over 1.5 solar activity cycles 03 p0446 N91-12495

ALTUNISIK, ADNAN
Transfer of 4GL application from INGRES to ORACLE
[AD-A238448] 21 p3558 N91-29771

ALTURKI, F. A.
Performance monitoring in nonlinear adaptive noise cancellation
[RR-409] 11 p1700 N91-19362

ALTYNTSEV, A. T.
Interrelationship between the tearing-instability and magnetic island merging 06 p0924 N91-15109

ALUKO, M.
Laser assisted CVD growth of AlN and GaN
[AD-A232379] 15 p2518 N91-23957

ALVALA, PLINIO CARLOS
Comparative study of VLF signals in the sub-Antarctic region
[INPE-5165-TDL/426] 13 p2071 N91-21406

ALVANIPOUR, A.
Synthesis and characterization of indium-arsenic compounds containing a four-membered In-Ad-In-As or In-As-In-Cl ring: Crystal structures of ((Me3SiCH2)2 InAs(SiMe3)2)2 and (Me3SiCH2)2 InAs(SiMe3)2 In(CH2SiMe3)2Cl
[AD-A232368] 15 p2518 N91-23956

ALVAREZ-ROMO, NORBERTO
Biosphere 2 test module experimentation program
05 p0691 N91-13845

ALVAREZ, A.
Effect of the aspect ratio on the stability limits of TJ-II-like stellarators
[DE91-011364] 17 p2868 N91-25867

ALVAREZ, I.
Atomic data for fusion. Volume 1: Collisions of H, H2, He and Li atoms and ions with atoms and molecules
[DE91-000527] 04 p0581 N91-13238

ALVAREZ, JOSE M.
A synopsis of Langley Research Center's lidar effort for the 1986 FIRE IFO 01 p0076 N91-10457
Cirrus cloud properties derived from coincident GOES and lidar data during the 1986 FIRE Cirrus Intensive Field Observations (IFO) 01 p0080 N91-10476
A four-lidar view of Cirrus from the FIRE IFO: 27-28 October 1986 01 p0080 N91-10478
The new FIRE cloud lidar at Langley Research Center
01 p0081 N91-10482

ALVAREZ, L. S.
An analysis of the least-squares problem for the DSN systematic pointing error model
10 p1510 N91-18311
Initial pointing calibrations for the DSS 13 34-meter beam-waveguide antenna 24 p3986 N91-32267
Efficiency calibration of the DSS 13 34-meter diameter beam waveguide antenna at 8.45 and 32 GHz
24 p3986 N91-32271

ALVAREZ, R.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527

ALVAREZ, RAYMOND A.
Computation of two-dimensional microwave-generated electron layer evolution in low pressure air
[DE90-011465] 09 p1321 N91-17254

ALVAREZ, RUBEN A.
Field demonstration of aviation turbine fuel MIL-T-83133C, grade JP-8 (NATO code F-34) at Fort Bliss, TX
[AD-A233441] 16 p2611 N91-24458

ALVAREZDELCASTILLO, ELIZABETH M.
The Steward Observatory asteroid relational database
16 p2597 N91-24391

ALVERMANN, K.
A new approach to hardware-in-the-loop simulation (FALKE shuttle) 07 p1045 N91-15735

ALVERMANN, KLAUS
Three-dimensional graphical representation of objects according to movement data in realtime
[DLR-FB-90-51] 15 p2480 N91-23725

ALVES, M. V.
Simultaneous potential and circuit solution for bounded plasma particle simulation codes
[DE91-008959] 12 p1985 N91-20921
Activities report on the experimental study of particle diffusion in superficially confined plasma for multidipolar magnetic fields
[INPE-5228-RPE/644] 22 p3758 N91-30938

ALVES, MARIA VIRGINIA
Study of asymmetrical electric discharges using particle simulation
[INPE-5198-TDL/427] 13 p2076 N91-21432

ALVESMOREIRA, MAURICIO
Use of direct expansion for estimation of soybean and corn areas through multispectral and temporal LANDSAT/TM data
[INPE-5180-PRE/1649] 13 p2109 N91-21609

ALVIN, KENNETH F.
Analysis, preliminary design and simulation systems for control-structure interaction problems
[NASA-CR-188018] 13 p2131 N91-21729
Implementation of a partitioned algorithm for simulation of large CSI problems
[CU-CSSC-91-4] 13 p2131 N91-21730
Second-order discrete Kalman filtering equations for control-structure interaction simulations
[CU-CSSC-91-5] 13 p2131 N91-21731
Parallel computations and control of adaptive structures 13 p2131 N91-21732

ALVISO, C. T.
Organic aerogels: A new type of ultrastructured polymer
[DE91-008500] 13 p2056 N91-21312
Melamine-formaldehyde aerogels
[DE91-012084] 20 p3325 N91-28408

ALYEA, F. N.
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 1: Technical/users manual
[NASA-TM-4268-PT-1] 18 p3016 N91-26654
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 2: Program/data listings
[NASA-TM-4268-PT-2] 19 p3202 N91-27697

ALYESDAFONTOURARODRIGUES, JOSE
A minimization method adapted to the finite element technique for turbulent flow simulation with nonlinear boundary conditions in the wall vicinity
[ECL-90-016] 05 p0660 N91-13664

AMADOR, MABLE
International English
[DE90-016719] 02 p0284 N91-11601

AMAGAI, JUN
A highly stable crystal oscillator applied to geodetic VLBI experiment 17 p2851 N91-25765

AMALBERTI, R.
Advances in navigation support systems based on operational pilot's heuristics
[RAE-TRANS-2184] 09 p1276 N91-17012

AMALRIC, J.
A ground based expert system for Hermes orbital operations planning 14 p2213 N91-22227

AMANNEPESOV, K. A.
Effect of aminazine on functional state of cardiovascular system during hyperthermia 19 p3211 N91-27750

AMANO, KANICHI
Navier-Stokes simulation of transonic flow around ventilated airfoils 04 p0466 N91-12611
Comparison with computation using panel method and wind tunnel test around transonic complete aircraft 04 p0466 N91-12612
Numerical simulation analysis of sidewall effects in two-dimensional wind tunnels 24 p3945 N91-32050

AMANO, TAKAHIRO
An antenna-pointing mechanism for the ETS-6 K-band Single Access (KSA) antenna 16 p2640 N91-24609

AMANO, TSUNEO
Current bubble formation by nonlinear coupling of resistive tearing modes
[DE90-520195] 04 p0584 N91-13256

AMANO, Y.
Study on propagation characteristics of electromagnetic wave in underground, part 1
[DE91-742146] 10 p1513 N91-18331

AMARI, S.
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006

AMARI, SACHIKO
Instellar grains within interstellar grains 11 p1820 N91-19998

AMATA, E.
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390

AMATO, N.
Multi-core events in cosmic-ray induced interactions with lead at around 10 TeV
[DE91-616827] 13 p2183 N91-22062

AMATUCCI, VINCENT ANDREW
An experimental investigation of the two-stream, supersonic, near-wake flowfield behind a finite-thickness base 09 p1271 N91-16991

AMBRIOSO, ANA MARIA
The antenna manager software for the Brazilian satellite: Implementation and study 14 p2211 N91-22214

AMBROSE, MIKE A.
Regional air traffic after 1992 03 p0306 N91-11708

AMBROSE, W. P.
Finding a single molecule in a haystack: Laser spectroscopy of solids from square root of (N to N) = 1
[AD-A230910] 13 p2093 N91-21521
Observation of spectral diffusion in crystals using single impurity molecules
[AD-A231338] 13 p2162 N91-21926

AMBROSIANO, J.
Electromagnetic PIC simulations using finite elements on unstructured grids
[DE91-015141] 21 p3589 N91-29962

AMBROSIANO, J. J.
A new weighted residual finite element method for computational electromagnetics in the time domain
[DE91-008741] 12 p1889 N91-20388

AMBROSIANO, JOHN J.
Electromagnetic particle codes on unstructured grids
[DE90-015187] 01 p0124 N91-10733

AMBROSIUS, B. A. C.
Extraction of mesoscale ocean currents information from Geosat altimeter data 15 p2453 N91-23594

AMEDURI, FRANK
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720

AMEEN, M. S.
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
A review of basic phenomena and techniques for sputter-deposition of high temperature superconducting films
[DE91-006468] 09 p1416 N91-17795

AMENDE, W.
Dispersion alloys (TEXUS 19) 23 p3846 N91-31442

AMENDOLA, A.
Design and testing of a multiblock grid-generation procedure for aircraft design and research
[NLR-TP-89146-U] 23 p3789 N91-31131

AMENDT, P.
Coherent x ray lasers for applications
[DE91-006257] 10 p1528 N91-18416
Optically-ionized plasma recombination x ray lasers
[DE91-007261] 11 p1802 N91-19898
Theory and simulation of Raman scattering in intense, short pulse laser plasma interactions
[DE91-008734] 12 p1984 N91-20915
Saturation and kinetic issues for optical-field-ionized plasma x ray lasers
[DE91-012079] 18 p2991 N91-26517
Modal study of refractive effects on x ray laser coherence
[DE91-012083] 20 p3350 N91-28551

AMERICA, P. H. M.
A parallel object-oriented language: Design and semantic foundations
[CWI-CS-R8953] 03 p0404 N91-12247

AMERICA, PIERRE H. M.
A layered semantics for a parallel object-oriented language
[CWI-CS-R9052] 17 p2834 N91-25660

AMES, FORREST EDWARD
Heat transfer with high intensity, large scale turbulence: The flat plate turbulent boundary layer and the cylindrical stagnation point 22 p3674 N91-30454

AMES, STEPHEN A.
Advanced technology satellite demodulator development
[NASA-CR-185127] 02 p0203 N91-11134

AMES, TROY
Hypermedia and intelligent tutoring applications in a mission operations environment 13 p2166 N91-21948
Lessons learned in the development of the STOL intelligent tutoring system 14 p2317 N91-22795

AMEZAWA, HIROO
Heat transfer characteristics of a radical heat pipe 08 p1140 N91-16276

AMICHAUD, J. C.
Problems posed by the adaptation of physiological protective equipment for female combat pilots 02 p0246 N91-11372

AMICONE, L.
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation 13 p2179 N91-22040

AMIDI, OMEAD
Integrated mobile robot control
[NASA-CR-188073] 12 p1879 N91-20330

AMIDIEU, M.
A new generation of radiators
[REPT-911-440-105] 15 p2388 N91-23220

AMIDON, BRUCE D.
An economic analysis of counterfeit threaded fasteners in the construction industry
[AD-A231492] 13 p2098 N91-21551

AMIET, R. K.
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 2: Development of theory for wing shielding
[NASA-CR-185192] 15 p2500 N91-23849

AMIN, M. R.
Continuum states of the Klein-Gordon equations for vector and scalar interactions
[DE90-627178] 01 p0117 N91-10693

AMINOV, B. A.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal 11 p1790 N91-19819

AMIOT, L. W.
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719

AMIRI, GILAD
Generating space telescope observation schedules
[NASA-CR-187843] 07 p1081 N91-15947

AMIRKHANIAN, A. S.
A study of the compact group of galaxies Shahbazian 4 08 p1249 N91-16877

AMIROUCHE, FARID M.
Performance and stability in high speed articulated structures undergoing quick maneuvers: Theory and applications
[AD-A237857] 21 p3528 N91-29597

AMIT, ILAN
The optimal accumulation of power
[CEMA-87-87] 16 p2697 N91-24935

AMITAI, DGANIT
Asynchronous numerical solution of PDEs on parallel computers
[ITN-91-85079] 07 p1053 N91-15782
Asynchronous and corrected-asynchronous numerical solutions of parabolic PDES on MIMD multiprocessors
[NASA-CR-187605] 22 p3728 N91-30749

AMMAR, MOSTAFA H.
Evaluation of slot allocation strategies for TDMA protocols in packet radio networks
[AD-A236518] 19 p3151 N91-27420
A distributed TDMA rescheduling procedure for mobile packet radio networks
[AD-A236656] 19 p3153 N91-27427

AMMON, ROB
STB-White
[NASA-CR-187012] 04 p0477 N91-12662

AMORUSO, ANTONELLA
NO2 absorption cross-section in the 440 to 460 nm region at 298 and 220 K
[NOTA-INTERNA-964] 11 p1737 N91-19550

AMOS, D. H.
Coordination and synchronization of Ioran-C and GPS to universal coordinated time
[AD-A233221] 17 p2734 N91-25141

AMOS, DONALD E.
A fast solver for systems of axisymmetric ring vortices
[DE91-002594] 06 p0825 N91-14561

AMOS, K.
A study of two nucleon W-matrices
[DE91-618203] 16 p2684 N91-24863

AMPOLE, N.
Theoretical prediction of nonlinear Brewster angle in ADP
[DE91-617792] 16 p2691 N91-24897

AMS, A.
Computer-controlled noise adaption for acoustical test facilities 07 p0954 N91-15248

AMUEDO, KURT C.
Hot gas ingestion test results of a two-poster vectored thrust concept with flow visualization in the NASA Lewis 9- x 15-foot low speed wind tunnel
[NASA-TM-103258] 13 p2020 N91-21116

AMZAJERDIAN, FARZIN
Avionic laser multisensor program at Litton Aero Products 16 p2552 N91-24144

AMZALLAG, C.
Materials data bases for fatigue 10 p1613 N91-18899

AN, CHONG S.
Simulation of multipath for semiactive missiles 07 p1045 N91-15734

ANAND, M. S.
Pressure algorithm for elliptic flow calculations with the PDF method 13 p2014 N91-21081

ANANDARAO, B. G.
Circumstellar dust in Vega-like stars: A detailed analysis of IRAS observations 10 p1622 N91-18951

ANANYEV, YU. A.
Interlock device
[AD-A225261] 03 p0360 N91-12016
ANASTASI, ROBERT F.
Evaluation of environmentally aged polymer/composite material by ultrasonic inspection
[AD-A235343] 18 p2942 N91-26231
ANASTASIADIS, JOHN S.
Stability of cylindrical laminates by higher orde r shear deformable theories 20 p3364 N91-28638
ANCHEV, A. A.
Analysis of necessary and sufficient conditions for the equilibrium stability of a gyrostatic satellite 18 p2930 N91-26166
ANCMAN, EILEEN G.
Perceptual limitations of peripherally displayed colors on CRTs
[AD-A236289] 19 p3158 N91-27460
ANDARY, J.
The development test flight of the flight telerobotic servicer 12 p1938 N91-20661
ANDARY, JAMES F.
The flight telerobotic servicer and technology transfer 14 p2361 N91-23063
ANDELIN, J.
Proposal pressure in the 1980s: An indicator of stress on the Federal Research System
[PB90-253147] 02 p0283 N91-11593
ANDERKO, A.
Equation of state for pure sodium chloride
[DE91-014618] 21 p3477 N91-29286
Virial coefficients and equations of state for mixed fluids; application to CH4-H2O
[DE91-016248] 23 p3810 N91-31254
ANDERL, R. A.
Substructure and electrical resistivity analyses of pure tungsten sheet
[DE91-014098] 20 p3317 N91-28362
Evidences of trapping in tungsten and implications for plasma-facing components
[DE91-012734] 20 p3418 N91-28951
ANDERSEN, ARNFINN G.
Zeolites in space 13 p2030 N91-21165
ANDERSEN, B.
Space research in Norway
[NSC-REPT-(89)5] 03 p0318 N91-11781
ANDERSEN, B. N.
Space research in Norway 13 p2030 N91-21167
ANDERSEN, BRIAN LEE
Experiments in end-point position and force control of a minimanipulator on a flexible-drive manipulator 22 p3685 N91-30517
ANDERSEN, CLAYTON M.
Three degrees of freedom compliant motion control for robotic aircraft refueling
[AD-A230581] 12 p1834 N91-20080
ANDERSEN, D.
Exobiology on Mars
[NASA-CP-10055] 07 p1038 N91-15691
ANDERSEN, HARALD T.
Pregnancy: A cause for grounding of female air crew 02 p0247 N91-11376
ANDERSEN, J.
Test on opto couplers in the linear application considering temperature, radiation and Vce effects 24 p3993 N91-32314
ANDERSEN, VIDAR S.
NDRE/TAIl processor architecture study
[FFI-90/7012] 05 p0699 N91-13891
CESAR MALU program library
[FFI-90/7010] 05 p0703 N91-13922
ANDERSON, ALLEN JOEL
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
Report of the panel on international programs 13 p2107 N91-21599
ANDERSON, B.
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
ANDERSON, B. G.
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
ANDERSON, BERNHARD H.
The aerodynamic characteristics of vortex ingestion for the F/A-18 inlet duct
[NASA-TM-103703] 07 p0965 N91-15303
High alpha inlets 12 p1836 N91-20091
A study of three dimensional turbulent boundary layer separation and vortex flow control using the reduced Navier Stokes equations
[NASA-TM-104407] 15 p2365 N91-23089
A design strategy for the use of vortex generators to manage inlet-engine distortion using computational fluid dynamics
[NASA-TM-104436] 16 p2550 N91-24131
ANDERSON, BIANCA TRUJILLO
Effects of wing sweep on in-flight boundary-layer transition for a laminar flow wing at Mach numbers from 0.60 to 0.79
[NASA-TM-101701] 16 p2628 N91-24555
Effects of wing sweep on boundary-layer transition for a smooth F-14A wing at Mach numbers from 0.700 to 0.825
[NASA-TM-101712] 16 p2629 N91-24556
ANDERSON, C.
Network communications research
[AD-A236542] 19 p3152 N91-27421
ANDERSON, C. A.
Finite element modeling of orthogonal machining using an elastic-viscoplastic material model
[DE91-016815] 23 p3852 N91-31477
ANDERSON, CHARLES D.
Aircraft Command in Emergency Situations (ACES). Phase 1: Concept development
[DOT/FAA/CT-90/21] 15 p2367 N91-23097
ANDERSON, CHARLES E.
An investigation of the detection of tornadic thunderstorms by observing storm top features using geosynchronous satellite imagery
[NASA-CR-184126] 12 p1924 N91-20589
ANDERSON, CHARLES E., JR.
Long-rod penetration of confined ceramic tiles
[AD-A234312] 18 p2994 N91-26534
ANDERSON, D. E.
EVA/robotics integration for Space Station Freedom 15 p2451 N91-23583
ANDERSON, D. M.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
ANDERSON, D. V.
Towards a realistic plasma simulation code
[DE91-015698] 21 p3589 N91-29967
ANDERSON, DANA Z.
Applications of non-linear optics
[AD-A228872] 08 p1224 N91-16743
ANDERSON, DAVID P.
Carbon fiber morphology. 2: Expanded wide-angle x ray diffraction studies of carbon fibers
[AD-A235599] 19 p3118 N91-27226
ANDERSON, E. WALTER
Investigation of physical structures and interactions at high energy
[DE91-005582] 09 p1398 N91-17691
ANDERSON, ELMER E.
The growth of zinc selenide single crystals by physical vapor transport in microgravity
[NASA-CR-180428] 01 p0127 N91-10755
ANDERSON, G. L.
The development of piezoelectric poly(vinylidene fluoride) sensors for measuring peel stresses in adhesive joints
[AD-A233880] 18 p2998 N91-26559
ANDERSON, GARY L.
Dynamic stability of flexible robot manipulators
[AD-A234297] 18 p2994 N91-26533
ANDERSON, GORDON E.
Monolithic multichannel detector amplifier arrays and circuit
[AD-D014566] 06 p0820 N91-14528
ANDERSON, GUSTAV A.
Mapping the airwake of a model DD-963 along specific helicopter flight paths
[AD-A225327] 03 p0301 N91-11681
ANDERSON, H. U.
Characterization of electrically conducting oxides
[DE91-000596] 03 p0338 N91-11895
Defect characterization of electronic conducting pseudo-perovskite systems
[DE91-014385] 21 p3592 N91-29978
ANDERSON, I. E.
Microstructural evolution in rapidly solidified Cu-Nb powders
[AD-A225860] 04 p0588 N91-13282
Microstructural investigations of rapidly solidified Cu-Nb alloy powders produced by inert gas atomization
[AD-A235428] 19 p3133 N91-27312
ANDERSON, J. A.
Test/semi-empirical analysis of a carbon/epoxy fabric stiffened panel 01 p0051 N91-10302
ANDERSON, J. T.
Intelligent array system
[AD-A231107] 13 p2142 N91-21792
ANDERSON, J. V.
The Department of Energy's solar industrial program: New ideas for American industry
[DE91-002197] 21 p3536 N91-29649
ANDERSON, JAMES A.
Radar signal categorization using a neural network 13 p2140 N91-21782
ANDERSON, JEFFREY LOWE
Low-frequency variability and the instability of zonally varying atmospheric flows 16 p2656 N91-24694
ANDERSON, JOHN B.
Marine record of late quaternary glacial-interglacial fluctuations in the Ross Sea and evidence for rapid, episodic sea level change due to marine ice sheet collapse 18 p3002 N91-26578
ANDERSON, JOHN D., JR.
Non-equilibrium chemistry effects on hypersonic separated flows: Shock-wave/boundary-layer interaction
[AD-A229015] 09 p1337 N91-17343
Hypersonic aerodynamics fellowships
[AD-A233584] 16 p2547 N91-24116
ANDERSON, JOHN L.
User's guide for the Data Analysis, Retrieval, and Tabulation System (DARTS), revised edition: A mainframe computer code for generating cross-tabulation reports
[DE91-006615] 10 p1613 N91-18902
Advanced interdisciplinary technologies 14 p2199 N91-22143
ANDERSON, JOHN R.
Problem-solving transfer among programming languages
[AD-A225798] 04 p0562 N91-13118
Using an intelligent tutor to study skill acquisition
[AD-A225783] 04 p0570 N91-13164
ANDERSON, K. A.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010
ANDERSON, K. B.
Structure and structural diversity in resinites as determined by pyrolysis-gas chromatography-mass spectrometry
[DE91-010798] 19 p3136 N91-27327
ANDERSON, K. D.
Evaporation duct communication: Test Plan
[AD-A233467] 16 p2618 N91-24494
ANDERSON, K. R.
Mechanical property changes and microstructures of dispersion-strengthened copper alloys after neutron irradiation at 411, 414, and 529 C
[DE91-005518] 09 p1312 N91-17204
Radiation-induced changes in electrical conductivity of a wide range of copper alloys
[DE91-007200] 11 p1682 N91-19271
ANDERSON, KENNETH D.
Air/sea temperature probe
[AD-D014674] 11 p1706 N91-19397
ANDERSON, KURT SCOTT
Recursive derivation of explicit equations of motion for efficient dynamic/control simulation of large multibody systems 17 p2840 N91-25695
ANDERSON, L. E.
Biological effects of extremely low-frequency electromagnetic fields: In vivo studies
[DE91-007899] 11 p1764 N91-19704
Biological effects of electromagnetic fields
[DE91-010006] 16 p2662 N91-24727
ANDERSON, LARRY E.
ELF (extremely-low-frequency): Exposure levels, bioeffects, and epidemiology
[DE90-016554] 01 p0098 N91-10573
ANDERSON, LILA R.
Direct injection supersonic cluster beam source for FT-ICR studies of clusters
[AD-A224948] 03 p0338 N91-11892
Laser annealing of silicon clusters
[AD-A224946] 03 p0344 N91-11926
ANDERSON, LINDA B.
An evaluation of the photopic electroretinogram using lower eyelid electrodes
[AD-A232988] 16 p2663 N91-24732
ANDERSON, LOREN A.
Postlanding optimum designs for the assured crew return vehicle 10 p1475 N91-18126
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-187638] 11 p1824 N91-20022
ANDERSON, M. A.
Ordered ceramic membranes
[DE91-012248] 20 p3323 N91-28398
ANDERSON, M. U.
Shock response of Detasheet
[DE91-010923] 18 p2970 N91-26399
Response of the polymers KEL-F, polysulfone, high density polyethylene and polymethylmethacrylate to shock loading and release from 0.3 to 2.4 GPa
[DE91-012867] 20 p3325 N91-28411
Shock compression of DuPont detasheet at low stress
[DE91-013229] 20 p3330 N91-28443

ANDERSON, MELVIN S.
Axisymmetric shell analysis of the space shuttle solid rocket booster field joint
[NASA-TP-3033] 06 p0835 N91-14618
ANDERSON, MICHAEL A.
Electronic design process
[AD-A234709] 18 p3041 N91-26786
ANDERSON, P.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
DIII-D results and plans
[DE91-001548] 06 p0877 N91-14847
TREE: A model of the effects of acid precipitation and air pollutants on the growth of trees
[DE91-014131] 20 p3371 N91-28672
ANDERSON, PHILLIP CHARLES
The ionospheric signatures, substorm phase relationship, and electrodynamics of rapid subauroral ion drifts 17 p2810 N91-25534
ANDERSON, R. E.
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
Intrinsic neutron source strengths in uranium solutions
[DE91-016091] 23 p3925 N91-31933
ANDERSON, R. W.
Electroless nickel bath recovery by cation exchange and precipitation
[DE91-001988] 06 p0807 N91-14457
ANDERSON, ROBERT A.
Long range Coulomb effects on hydrogen debonding from boron acceptors in silicon
[DE91-004031] 07 p0985 N91-15408
Minority carrier induced debonding of hydrogen from shallow donors in silicon
[DE91-004032] 07 p1065 N91-15855
ANDERSON, ROBERT J.
Improved tracking for bilateral teleoperators with time delay
[DE90-015392] 02 p0219 N91-11222
ANDERSON, RON
Reusable rocket engine intelligent control system framework design, phase 2
[NASA-CR-187213] 23 p3804 N91-31219
ANDERSON, SANDRA
NASA-Johnson Space Center 14 p2340 N91-22938
ANDERSON, STEVEN GENE
Metal-semiconductor and condensed gas-semiconductor interface formation 14 p2330 N91-22873
ANDERSON, T. J.
The coupling of thermochemistry and phase diagrams for group III-V semiconductor systems
[DE91-000934] 04 p0591 N91-13303
Hydrogen-fueled scramjet investigation
[AD-A237569] 21 p3459 N91-29183
ANDERSON, T. L.
Elastic - plastic fracture mechanics. Part 1: A critical review
[AD-A231909] 14 p2277 N91-22591
Elastic/plastic fracture mechanics. Part 2: Marine structural applications
[AD-A232560] 15 p2448 N91-23557
ANDERSON, T. W.
Theory and applications of elliptically contoured and related distributions
[AD-A230672] 12 p1971 N91-20846
Iterative procedures for exact maximum likelihood estimation in the first-order Gaussian moving average model
[AD-A230812] 13 p2144 N91-21809
The asymptotic distributions of autoregressive coefficients
[AD-A238538] 21 p3567 N91-29831
ANDERSON, TERESA A.
Digitized voice trials 24 p3956 N91-32103
ANDERSON, W. A.
Photoreflectance and DLTS evaluation of plasma-induced damage in GaAs and InP prior to solar cell fabrication 22 p3632 N91-30213
ANDERSON, W. J.
Technology approval using capability indices 24 p4004 N91-32389
ANDERSON, W. KYLE
Numerical study of the aerodynamic effects of using sulfur hexafluoride as a test gas in wind tunnels
[NASA-TP-3086] 14 p2185 N91-22070
ANDERSON, WILLIAM B.
Pulsed illumination projector
[AD-D014716] 12 p1979 N91-20891
ANDERSON, WILLIAM F.
A computer model of a CO2 oscillator-amplifier system
[AD-A230597] 12 p1904 N91-20475
ANDERSSON, BOERJE
Accurate and reliable computation of complete solutions to the equations of linear elastomechanics on three-dimensional domains: Computation of edge stress intensity functions
[FFA-TN-1989-12] 05 p0678 N91-13769
Accurate and reliable determination of edge and vertex stress intensity factors in three-dimensional elastomechanics
[FFA-TN-1990-28] 05 p0678 N91-13771
A moving boundary algorithm for the solution of contact problems in linear elasticity. Part 1: Basic theory and model examples
[FFA-TN-1991-08-PT-1] 15 p2485 N91-23759
ANDERTON, D.
One way to reduce thermal effects in a piezoelectric pressure transducer mounted in the combustion chamber of a C.I. engine
[ISVR-TR-189] 13 p2087 N91-21487
ANDERTON, EDWYN CHRISTOPHER MORGAN
Relationships between polymer-additive molecular structure and intumescent flame retardant behavior 20 p3327 N91-28426
ANDES, DAVID K.
Artificial neural network implementation
[AD-D014663] 11 p1780 N91-19764
ANDES, ROBERT C., JR.
Adaptive aiding for human-computer control: Future directions for research
[AD-A236799] 19 p3234 N91-27884
ANDO, NORIYUKI
Parallelization techniques for a supercomputer with hierarchical memory architecture 13 p2067 N91-21386
ANDO, SHIGENORI
Finite difference numerical prediction of aerodynamics for airfoil flying over wavy wall 24 p3944 N91-32043
ANDO, T.
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
ANDO, Y.
Present R and D status of high-Tc superconductors and prospects for power applications
[DE91-736780] 09 p1412 N91-17770
ANDO, YASUNORI
Aerothermal analysis for gas turbine combustion liner cooling slots 04 p0454 N91-12534
A numerical calculation method for three-dimensional flows in the dump diffuser of gas turbine combustor 04 p0463 N91-12593
Numerical analysis of high velocity flow field around the bluff body 04 p0468 N91-12621
ANDO, YOSHIHIKO
Added information by man-machine interactive operation of the SCIC 16 p2650 N91-24665
ANDRA, DAVID
A quantitative analysis of quasi-geostrophic forcing during recent severe weather outbreaks across the southern Great Plains
[PB91-176693] 23 p3896 N91-31745
ANDRAS, MARIA T.
Reactivity of pi-complexes of Ti, V, and Nb towards dithioacetic acid: Synthesis and structure of novel metal sulfur-containing complexes
[NASA-TM-103666] 11 p1679 N91-19256
Synthesis and structures of metal chalcogenide precursors
[NASA-TM-103665] 11 p1687 N91-19296
ANDRE-DESHAYS, CLAUDIE
Body proprioceptive references in weightlessness as studied by muscle tendon vibration 11 p1742 N91-19581
Gaze control and spatial memory in weightlessness 11 p1762 N91-19692
ANDRE, G.
Space and telescience robotics: Development of concepts and reference technologies for teledetection and robotics in extreme environments 15 p2451 N91-23580
ANDRE, MARCEL JEAN
A ground based module for experimentations of cultivations and recycling in a closed environment 11 p1756 N91-19657
ANDRE, MICHEL
Technical presentation of the Merlin's radome: Calibration and data processing 14 p2289 N91-22656
ANDRE, P.
The 1.3 mm continuum emission from circumstellar envelopes 13 p2175 N91-22007
ANDREANI, P.
Millimeter observations of a complete sample of galaxies: Implications for gas mass and cold dust component 13 p2174 N91-21999
ANDREASSEN, O.
Application of SAW technology in satellites for mobile services 13 p2030 N91-21163
ANDREASSEN, OYVIND
Gravity waves excited by flow over an obstacle
[FFI-90/7017] 05 p0688 N91-13828
ANDREI, G.
Airbreathing propulsion for transatmospheric flight 15 p2377 N91-23156
ANDRESEN, B.
Finnigan ion trap mass spectrometer detection limits and thermal energy analyzer interface status report and present capabilities
[DE91-006220] 11 p1679 N91-19254
ANDRESEN, B. D.
Linked gas chromatograph-thermal energy analyzer/ion trap mass spectrometer
[DE91-013585] 20 p3311 N91-28326
ANDREW, JAMES W.
Propellant grain design
[AD-D014829] 16 p2610 N91-24454
ANDREWS, ANDREW E.
CD-ROM (Compact Disc-Read Only Memory): A delivery medium for CBT (Computer-Based Training)
[DE91-004831] 09 p1375 N91-17555
ANDREWS, ANTHONY W.
The design of a meteorological facsimile converter
[ETN-91-98578] 08 p1187 N91-16528
ANDREWS, CHRISTOPHER J.
The QT interval in lightning injury with implications for the cessation of metabolism hypothesis 24 p4049 N91-32621
Further identification and treatment modalities in telephone mediated lightning strike 24 p4050 N91-32622
ANDREWS, CHRISTOPHER N.
Preliminary evaluation of ADS/radar correlation 24 p3958 N91-32119
ANDREWS, DANA G.
Use of magnetic sails for advanced exploration missions 14 p2201 N91-22153
ANDREWS, E. P.
Space shuttle requirements/configuration evolution 20 p3301 N91-28264
ANDREWS, G. F.
Production of organic chemicals via bioconversion: A review of the potential
[DE91-015524] 23 p3805 N91-31223
ANDREWS, J. BARRY
Influence of a magnetic field during directional solidification of MAR-M 246 + Hf superalloy
[NASA-CR-184114] 14 p2244 N91-22416
ANDREWS, J. W.
Ex-situ and in-situ ellipsometric studies of the thermal oxide on InP
[AD-A231095] 13 p2051 N91-21283
ANDREWS, L. A.
Development of hermetic microminiature connectors
[DE90-015562] 02 p0206 N91-11153
ANDREWS, ROBERT J.
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
Chemical spray pyrolysis of Tl-Ba-Ca-Cu-O high-T(sub c) superconductors for high-field bitter magnets 13 p2039 N91-21212
ANDREWS, T. B.
The NASA Lewis Research Center Internal Fluid Mechanics Facility
[NASA-TM-105187] 22 p3624 N91-30163
ANDREWS, W. H., JR.
Automated verification of system configuration
[DE91-012520] 20 p3337 N91-28481
ANDRISI, JEAN-PAUL
Space manufacturing quality through statistical process control: An application at Texas Instruments France, a space semiconductors production line 24 p4004 N91-32384
ANEJA, V.
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States
[PB91-100164] 09 p1358 N91-17464
ANG, J. A.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Performance of hypervelocity armatures with replenished metal vapor plasmas
[DE91-011931] 18 p2934 N91-26187
Hypervelocity impact jet formation
[DE91-014651] 21 p3531 N91-29619
ANGEL, J. ROGER
Optical/IR from ground 24 p4119 N91-33020
UV-optical from space 24 p4119 N91-33021

ANGEL, S. M.
Preliminary field demonstration of a fiber-optic TCE sensor
[DE91-008453] 13 p2089 N91-21498
ANGELICI, GARY
The Pilot Land Data System (PLDS) at the Ames Research Center manages aircraft data in collaboration with an ecosystem research project
17 p2793 N91-25450
ANGELINI, P.
Effect of whisker surface treatments and processing conditions on the SiC/Al2O3 interface
[DE91-004780] 07 p0970 N91-15326
ANGELINO, ROBERT
MARVEL: A knowledge-based productivity enhancement tool for real-time multi-mission and multi-subsystem spacecraft operations
14 p2217 N91-22256
ANGELLATTA, ROB K.
A case study for the real-time experimental evaluation of the VIPER microprocessor
[NASA-TM-104098] 23 p3861 N91-31531
ANGELO, JOSEPH A., JR.
Survival of epiphytic bacteria from seed stored on the Long Duration Exposure Facility (LDEF)
16 p2726 N91-25098
ANGLADA, G.
VLA observations of ammonia in Herbig-Haro 1-2
10 p1622 N91-18949
ANGULO, EARL D.
Device for removing foreign objects from anatomic organs
[NASA-CASE-GSC-13306-1] 20 p3380 N91-28727
ANGUS, JOHN C.
Transport and nucleation processes in the vapor growth of diamond
[AD-A232135] 15 p2517 N91-23953
ANHEIER, NORMAN
GaAs solar cells for laser power beaming
22 p3635 N91-30229
ANIK, SADUN
Performance implications of synchronization support for parallel FORTRAN programs
[AD-A238493] 21 p3561 N91-29790
ANIKEYEV, B. V.
Microsecond-pulse Nd-glass laser with monopulse duration control 11 p1788 N91-19811
ANIKUMAR, A. V.
Drop coalescence studies 13 p2066 N91-21375
ANIS, C.
Probabilistic structural analysis methods for space transportation propulsion systems
20 p3298 N91-28238
ANISHCHENKO, V. F.
Analysis of methods of presenting information to an operator in the control process
22 p3717 N91-30689
ANISKOVICH, V.
RELICT 2 project: Scientific program and structure
13 p2174 N91-21998
ANKARA, ALPAY
Growth of short fatigue cracks in 7075-T6 aluminum alloy 02 p0224 N91-11249
ANKEM, S.
Fundamental studies on high temperature deformation, recrystallization, and grain growth of two-phase materials
[AD-A229017] 09 p1314 N91-17210
ANKEN, R.
Morphological, electronmicroscopical and biochemical aspects of hyper-gravity conditions during early ontogenetic development of Cichlid fish
11 p1752 N91-19638
ANNAPAREDDY, NARASIMHA REDDY LAKSHMI
Parallel input/output architectures for multiprocessors
20 p3383 N91-28740
ANNARATONE, B. M.
Passive-filtered and active-driven probes for RF plasmas
[OUEL-1806/89] 01 p0127 N91-10754
ANNEN, K. D.
Experimental support for and analysis of infrared emission data from solid propellant combustion tests
[AD-A226454] 04 p0512 N91-12846
ANNESE, C.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
ANODA, YOSHINARI
Developmental assessment of RELAP5/MOD3 code against ROSA-IV/TPTF horizontal two-phase flow experiments
[DE90-513748] 04 p0521 N91-12899
ANOSOV, O. L.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058
ANOSOVA, J. P.
Influence of dissipative processes on the resonances in planetary systems 10 p1620 N91-18937
ANOSOVA, JOANNA P.
Typical motions in multiple systems
08 p1261 N91-16945
Dynamics and configurations of galaxy triplets
08 p1261 N91-16946
A classification of the galaxy groups
08 p1262 N91-16949
Viral coefficient and hidden mass in the galaxy groups
08 p1262 N91-16950
ANSAI, RYOETSU
DPC telecommunication system
01 p0059 N91-10354
ANSALDI, JEAN
Procedure for steering a low-speed missile, weapon system, and missile for implementation of the procedure
[PATENT-1-265-947] 23 p3797 N91-31182
ANSARI, RAFAT R.
Development of a versatile laser light scattering instrument
[NASA-CR-182474] 08 p1153 N91-16350
ANSHER, J. A.
High resolution measurements of density structures in the Jovian plasma sheet
[NASA-CR-188918] 24 p4123 N91-33043
ANSON, D.
Application of ceramics to industrial gas turbines
[DE91-013140] 21 p3484 N91-29330
ANSPAUGH, B.
GaP betavoltaic cells as a power source
11 p1672 N91-19211
ANSPAUGH, B. E.
Workshop summary: Space environmental effects
22 p3639 N91-30251
ANSPAUGH, BRUCE E.
Results of the 1990 NASA/JPL balloon flight solar cell calibration program
[NASA-CR-187813] 07 p1026 N91-15630
ANSTREICHER, K. M.
A long step barrier method for convex quadratic programming
[REPT-90-53] 08 p1200 N91-16600
ANTHONY, DOUGLAS GEORGE
The influence of a free surface on the development of turbulence in a submerged jet 22 p3673 N91-30451
ANTHONY, MARTIN
Classes of feedforward neural networks and their circuit complexity
[MEMO-920] 23 p3918 N91-31881
ANTHONY, RICHARD W.
Verification of severe local storm forecasts issued by the National Severe Storms Forecast Center: 1989
[PB91-129056] 12 p1924 N91-20588
ANTHONY, W. H.
Seasonal nitrous oxide flux from an intensively managed pasture in a humid subtropical ecosystem
19 p3267 N91-28071
ANTIOCHOS, SPIRO K.
Numerical simulation of solar coronal magnetic fields
[NASA-TM-103402] 07 p1086 N91-15971
Solar astronomy 24 p4120 N91-33026
ANTIPOV, V. V.
Biological experiments on Kosmos-1887 Biosatellite
19 p3211 N91-27751
ANTMAN, STUART
Control of complex multibody spacecraft
[AD-A224707] 03 p0320 N91-11791
ANTOLAK, A. J.
Proton Energy Loss (PEL) material characterization
[DE91-011545] 20 p3307 N91-28306
ANTOLOVICH, STEPHEN D.
Cyclic deformation, damage, and effects of environment in the Ni3Al ordered alloy at elevated temperature
[AD-A235168] 18 p2954 N91-26304
A study of the relationship between macroscopic measures and physical processes occurring during N00014-89-J-1708
[AD-A238423] 21 p3533 N91-29627
ANTON, C. E.
Superplastic formed aluminum-lithium aircraft structures
[AD-A226516] 04 p0479 N91-12673
ANTON, G.
Review of EEG studies in non human primates exposed to microgravity 11 p1754 N91-19649
ANTONIADES, JOHN A.
Current collection by high voltage anodes in near ionospheric conditions 09 p1403 N91-17724
ANTONIADIS, A.
Nonparametric estimation in change-point hazard rate models for censored data: A counting process approach
[RR-836-I-AND-M] 15 p2496 N91-23825
ANTONIAK, Z. I.
The 0-G experiments with advanced ceramic fabric wick structures
[DE91-015531] 21 p3492 N91-29377
ANTONIAK, ZEN I.
Advanced ceramic fabric body mounted radiator for Space Station Freedom Phase O design
[DE90-016361] 01 p0017 N91-10104
Thermal energy storage for power generation applications
[DE90-016539] 01 p0065 N91-10388
ANTONIAK, ZENEN I.
Construction and testing of ceramic fabric heat pipe with water working fluid
[NASA-TM-103332] 10 p1595 N91-18799
ANTONIEWICZ, ROBERT F.
Application and flight test of linearizing transformations using measurement feedback to the nonlinear control problem
[NASA-TP-3154] 22 p3623 N91-30154
ANTONIO, BRIAN KENT
Material and mechanical characterizations for braided composite pressure vessels
[AD-A226640] 05 p0668 N91-13713
ANTONOV, V. M.
Laboratory simulation of the astrophysical burst processes in non-uniform magnetised media
06 p0920 N91-15081
ANTONOVA, R. A.
Experiments with collision of vortices in rotating and still free-surface shallow water 06 p0920 N91-15080
ANTONSEN, T. M., JR.
Mode competition effects in free electron lasers and gyrotrons
[DE90-011084] 08 p1152 N91-16346
Microwave generation for magnetic fusion energy applications, task B
[DE90-011079] 08 p1227 N91-16763
Microwave generation for magnetic fusion energy applications, task C
[DE90-011080] 08 p1227 N91-16764
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
Microwave generation for magnetic fusion energy applications
[DE91-008280] 12 p1983 N91-20912
Experimental and theoretical studies of high power plasma filled backward wave oscillators
[AD-A231782] 14 p2259 N91-22500
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
Joint proposal for US/USSR on nonlinear dynamics and plasma transport
[DE91-014360] 20 p3422 N91-28981
ANTONUTTO, GIULIOANDREA
Pedalling in space to simulate gravity: The twin-bike system 11 p1743 N91-19583
ANTRAZI, SAMI
Analysis and design of a six-degree-of-freedom Stewart platform-based robotic wrist
[NASA-CR-187660] 09 p1298 N91-17123
ANTRAZI, SAMI S.
Experimental study of trajectory planning and control of a high precision robot manipulator
[NASA-CR-188660] 19 p3174 N91-27547
A study of space-rated connectors using a robotic end-effector
[NASA-CR-188776] 22 p3689 N91-30536
ANTROPOVA, I. N.
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619
ANWER, MOHAMMED
Rotating turbulent flow through a 180 deg pipe bend
03 p0363 N91-12031
ANZ, SAMIR J.
X ray diffraction and electron spectroscopy of epitaxial molecular C60 films
[AD-A232152] 15 p2517 N91-23954
ANZIL, A. P.
Hindlimb suspension of rabbit for one week: Myofibrillar damage in the soleus may depend on long-lasting shortening and periodic contraction against no load
11 p1754 N91-19647

ANZURES, EDGARDO T.
Photodegradation of polyimides. Part 3: The effect of chemical composition, radiation source, atmosphere and processing
[AD-A236197] 19 p3141 N91-27355
Photodegradation of polyimides. Part 4: Mechanism for the photooxidation process based on a model compound
[AD-A236198] 19 p3141 N91-27356
Photodegradation of polyimides. Part 5: An explanation of the rapid photolytic decomposition of a selected polyimide via anhydride formation
[AD-A236247] 19 p3141 N91-27360
Ultraviolet stability of polymers containing the hexafluoroisopropylidene group
[AD-A236255] 19 p3142 N91-27362
AOKI, SINYA
Fermions in the hypercharge sector of the standard lattice electroweak theory: Global limit
[DE90-009731] 08 p1239 N91-16827
AOKI, TAKAYUKI
Power plant by LIB fusion 11 p1802 N91-19892
Control of gap closure in applied-B diode 11 p1802 N91-19893
Multi-dimensional cubic interpolation for ICF hydrodynamics simulation
[NIFS-82] 17 p2865 N91-25845
AOKI, TE.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015
AOYAMA, T.
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
AOYAMA, TAKASHI
Effects of blade tip planforms on rotor performance in hover 04 p0457 N91-12553
Navier-Stokes analysis for flowfield around hovering rotor 24 p3948 N91-32066
APARICIO, J. P.
Electromagnetic topology: Characterization of internal electromagnetic coupling 24 p4063 N91-32699
APED, PINCHAS
Stereochemistry and photochemistry: Theory versus experiment
[ITN-90-85045] 07 p0973 N91-15342
APEL, UWE
Common approach for planetary habitation systems implementation
[MBB-UO-0115-90-PUB] 08 p1195 N91-16570
APELIAN, C. V.
Flexible body dynamic stability for high performance aircraft 14 p2227 N91-22318
APELT, C. J.
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 1
[PB91-177865] 19 p3166 N91-27507
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 2
[PB91-177873-PT2] 19 p3166 N91-27508
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 3
[PB91-177881-PT-3] 19 p3166 N91-27509
APERCE, GILLES
Performances of MMIC X-band power amplifiers obtained in foundry 07 p0942 N91-15161
APERS, P. M. G.
A classification of transitive closure algorithms
[MEMO-INF-91-18] 22 p3736 N91-30804
APERS, PETER M. G.
Distributed transitive closure computations: The disconnected set approach
[MEMO-INF-89-12] 03 p0405 N91-12254
Parallel execution of multi-join queries
[MEMO-INF-91-11] 22 p3739 N91-30828
Inheritance in an object-oriented data model
[MEMO-INF-90-77] 22 p3746 N91-30876
APFEL, R. E.
Rheological properties, shape oscillations, and coalescence of liquid drops with surfactants 13 p2063 N91-21357
APPELBAUM, JOSEPH
Solar radiation on Mars: Update 1990
[NASA-TM-103623] 06 p0931 N91-15117
Feasibility of solar power for Mars 11 p1669 N91-19201
Solar radiation on Mars: Update 1991
[NASA-TM-105216] 24 p4123 N91-33046
APPENZELLER, I.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
APPLE, M. L.
A balloon-borne integrating nephelometer
[DE91-001037] 06 p0849 N91-14687
APPLEBY, A. J.
Oxygen electrode in molten carbonate fuel cells
[DE91-005743] 10 p1541 N91-18483
APPLEBY, A. JOHN
High energy efficiency and high power density proton exchange membrane fuel cells: Electrode kinetics and mass transport 24 p4037 N91-32558
APPLEBY, R. A.
A general multiblock Euler code for propulsion integration. Volume 2: User guide for BCON, pre-processor for grid generation and GMBE
[NASA-CR-187484-VOL-2] 16 p2548 N91-24121
APPLETON, A. D.
The world of superconductive machinery 05 p0724 N91-14045
APPLETON, P. N.
Star formation on the leading edge of a ring-like density wave in Arp 143 05 p0754 N91-14198
Multi-waveband observations of colliding galaxies 08 p1247 N91-16868
APPLETON, PHILIP N.
The search for extended infrared emission near interacting and active galaxies
[NASA-CR-187946] 16 p2705 N91-24969
APPOLLONI, A.
The architecture of the SAX-OCC: A control centre for a scientific satellite 14 p2210 N91-22204
APPS, J. A.
Reactive chemical transport in ground-water hydrology: Challenges to mathematical modeling
[DE91-005244] 10 p1538 N91-18463
APRIGLIANO, L. F.
Effect of additives on the morphology and superconductivity of YBa2Cu3O(6+x) ceramic superconductors
[AD-A224734] 03 p0422 N91-12359
APRIGLIANO, LOUIS F.
Method of producing YBa2Cu3O+x superconductors with high transition temperatures
[AD-D014836] 16 p2695 N91-24922
APRILE, ELENA
Development of liquid xenon imaging gamma-ray spectrophotometers
[AD-A227575] 08 p1223 N91-16740
Particle astrophysics 24 p4120 N91-33024
APSLEY, NORMAN
Multiple quantum well NIR optical modulators: A review of the potential for optical signal processing using III-V semiconductors 07 p0941 N91-15157
Quantum well infrared detectors: An introduction 07 p0941 N91-15158
APT, KRZYSZTOF R.
An analysis of loop checking mechanisms for logic programs
[CWI-CS-R8942] 03 p0403 N91-12242
Using transformations to verify parallel programs
[CWI-CS-R8956] 03 p0404 N91-12249
Proving termination of parallel programs
[CWI-CS-R9016] 07 p1053 N91-15786
Studies in pure PROLOG: Termination
[CWI-CS-R9048] 17 p2833 N91-25656
Introduction to program verification
[CWI-CS-R9036] 17 p2838 N91-25688
APTE, M. G.
Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626
ARABYAN, A.
Quantitative simulation of extraterrestrial engineering devices 16 p2597 N91-24388
ARAD, M.
Thermal design and control of space simulation chambers in Israel 07 p0951 N91-15227
ARAI, NELSON
Subproject RADSAT
[INPE-4808-PRE/1454] 04 p0549 N91-13044
ARAI, NORIO
Active control of vortex shedding frequency by a splitter plate 24 p3946 N91-32059
ARAJ, KAMAL J.
Assessment of research needs for wind turbine rotor materials technology
[NAT-S-324] 19 p3185 N91-27612
ARAKAWA, CHUICHI
Three-dimensional Navier-Stokes simulation of flow around ATP 04 p0468 N91-12626
ARAKAWA, E. T.
Optical constants of kerogen from 0.15 to 40 microns: Comparison with meteoritic organics
[NASA-CR-187825] 07 p1083 N91-15957
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191
Desorption of Al, Au, Ag using surface plasmon excitation
[DE91-013726] 20 p3339 N91-28493
Desorption of large organic molecules by laser-induced plasmon excitation
[DE91-013415] 20 p3401 N91-28852
ARAKAWA, HARUHIKO
Numerical simulation of hypersonic flow around a space plane. Part 3: Analysis of aerothermodynamic heating
[NAL-TR-1027T] 01 p0002 N91-10011
Verification of numerical simulation codes for hypersonic viscous flow around a space plane 04 p0457 N91-12558
ARAKAWA, K.
Dynamic fracture analysis by moire interferometry
[AD-A230383] 12 p1913 N91-20524
ARAKAWA, KAZUO
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
ARAKEL, A. V.
Chemical sedimentation and facies relationships in the Karinga Creek palaeo-drainage system, Amadeus Basin, Northern Territory 19 p3199 N91-27682
ARAN, SHMUEL
Efficient soft decision decoding of Reed-Muller codes and related non-linear generalizations
[ITN-91-85146] 20 p3386 N91-28760
ARANGUREN, MIRTA INES
Morphology and rheology of silica-reinforced silicone rubbers 03 p0343 N91-11919
ARAPOSTATHIS, ARISTOTLE
Adaptive control of nonlinear and stochastic systems
[AD-A232996] 16 p2675 N91-24806
ARATA, N.
Multi-core events in cosmic-ray induced interactions with lead at around 10 TeV
[DE91-616827] 13 p2183 N91-22062
ARATANI, N.
Thirteen meter diameter space simulation test facility 07 p0952 N91-15228
ARATOW, M.
Transcapillary fluid shifts in head and neck tissues during and after simulated microgravity
[NASA-TM-103847] 15 p2474 N91-23704
ARAUJO, THAIS MAIA
Spray deflagration
[INPE-5079-TDL/413] 05 p0634 N91-13511
ARBAB, FARHAD
MANIFOLD: A language for specification of inter-process communication
[CWI-CS-R9065] 17 p2835 N91-25667
Examples in MANIFOLD
[CWI-CS-R9066] 17 p2835 N91-25668
ARBARBANEL, HENRY
Nonlinear stability in fluids and plasma dynamics-conformal quasi-conformal geometry: Iteration, distoration, dynamics, and circle packing
[AD-A229469] 22 p3755 N91-30934
ARBEILLE, PHILIPPE
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988) 11 p1742 N91-19577
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects 11 p1742 N91-19578
ARBEL, D.
Design and testing of an active quenching circuit for an avalanche photodiode photon detector 24 p3984 N91-32258
ARBESSER-RASTBURG, BERTRAM
OPEX propagation measurements and studies 03 p0350 N91-11957
ARBIT, H. A.
Heavy hydrocarbon main injector technology program
[NASA-CR-184161] 13 p2043 N91-21235
ARBON, ED
Wind shear training applications for 91/135 16 p2556 N91-24173
ARBOUR, GREGORY B.
The effects of fuel additives on soot formation
[AD-A230633] 12 p1878 N91-20325
ARBUCKLE, P. DOUGLAS
A controls engineering approach for analyzing airplane input-output characteristics
[NASA-TP-3072] 12 p1842 N91-20128
ARBUZOVA, V. N.
ECC ozonesonde observations at Mirny, Antarctica, during 1989
[PB90-252024] 04 p0544 N91-13018
ARCHANGELSKY, V. V.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679
ARCHER, DAVID
Modeling pCO2 in the upper ocean: A review of relevant physical, chemical, and biological processes
[DE91-004696] 07 p1032 N91-15664
ARCHER, M.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671

ARCONE, STEVEN A.
UHF model simulation of detecting voids in a dielectric medium using HF-VHF airborne short-pulse radar
[AD-A231495] 13 p2073 N91-21418
ARDANUY, P. E.
Analysis of error in TOMS total ozone as a function of orbit and attitude parameters
[NASA-CR-4361] 13 p2121 N91-21670
ARDANUY, PHILIP
A comparison of ERBE and AVHRR longwave flux estimates
[NOAA-TR-NESDIS-50] 10 p1555 N91-18553
ARDEKANI, S. A.
Low-cost fiber optic weigh-in-motion sensor
[PB91-152702] 16 p2630 N91-24559
ARDEMA, MARK D.
Body weight of hypersonic aircraft, part 1
[NASA-TM-101028] 01 p0009 N91-10049
ARDEN, G. B.
A survey of colour discrimination in German ophthalmologists: Changes associated with the use of lasers and operating microscopes
17 p2827 N91-25618
ARDIS, MARK A.
Formal verification of programs
[AD-A235775] 19 p3221 N91-27805
ARDUINI, ROBERT F.
FIRE Cirrus on October 28, 1986: LANDSAT; ER-2; King Air; theory 01 p0081 N91-10480
ARENA, ALDO
Torsion resistant grooved joint
[PATENT-1-258-589] 23 p3789 N91-31127
ARENA, N.
Lymphocytes on sounding rockets
11 p1749 N91-19620
AREND, LAWRENCE E.
Eye movements and spatial pattern vision
[AD-A225357] 04 p0553 N91-13067
Eye movements and spatial pattern vision
[AD-A238664] 21 p3549 N91-29721
AREND, MARK B.
A method for tailoring the information content of a software process model
[NASA-CR-187400] 04 p0559 N91-13097
ARENDT, P. N.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
Superconducting properties of Tl-Ba-Ca-Cu-O films on silver substrates
[DE91-002304] 06 p0879 N91-14856
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
ARENDT, RICHARD G.
Infrared emission from the supernova remnant Puppis A: Dust and gas parameters 06 p0911 N91-15032
ARENDT, S.
Solar response to luminosity variations
03 p0441 N91-12467
ARENDTS, F. J.
Manufacturing and mechanical properties of fiber composite materials with textile preforms
[MBB-Z-0325-90-PUB] 22 p3645 N91-30286
ARENS, JOHN F.
Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
Performance measurements of hybrid PIN diode arrays
[DE90-010308] 08 p1232 N91-16790
ARENTOFT, M. M.
Optimum-AIV: A planning and scheduling system for spacecraft AIV 14 p2312 N91-22770
ARENZ, R. W.
A miniature inexpensive, oxygen sensing element
[DE90-014080] 01 p0045 N91-10269
A miniature inexpensive, oxygen sensing element
[DE90-009938] 08 p1147 N91-16318
A miniature inexpensive, oxygen sensing element
[DE91-007212] 10 p1527 N91-18409
ARES, O.
Preparation and characterisation of LaBaCaCu3O(x) and La(1.3)Ba(1.7)Cu3O(x)
[DE91-615673] 12 p1985 N91-20924
AREY, B. W.
Temperature effects on the strength and toughness of Be12Nb
[DE91-010838] 16 p2602 N91-24419
ARGENTO, ALAN
Parametric resonance of arbitrarily layered composite circular cylindrical shells 03 p0375 N91-12099
ARGO, B. E.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
ARGO, D.
Geotechnical Engineering, 1989
[PB90-222159] 01 p0069 N91-10415
ARGO, PAUL E.
HF propagation through actively modified ionospheres: Modelling and experimental results
10 p1554 N91-18549
ARGON, A. S.
Modelling of deformation textures evolution in semi-crystalline polymers
[AD-A237288] 21 p3486 N91-29342
Quasi-static modeling of chain-dynamics in the amorphous glassy polycarbonate of 4,4'-isopropyledenediphenol
[AD-A237289] 21 p3486 N91-29343
Inelastic deformation and fracture of glassy solids
[AD-A237290] 21 p3487 N91-29344
An atomistic model of the amorphous glassy polycarbonate of 4,4'-isopropylidenediphenol
[AD-A237291] 21 p3487 N91-29345
ARGON, ALI S.
Simulation of the structure of dense, amorphous bisphenol-A polycarbonate
[AD-A237222] 21 p3474 N91-29270
Simulation of large deformation in glassy atactic polypropylene
[AD-A237223] 21 p3486 N91-29340
The molecular view of plastic deformation and precursor processes of crazing in glassy polypropylene and polycarbonate
[AD-A237333] 21 p3487 N91-29346
Conformational characteristics of the polycarbonate 4,4'-isopropylidenediphenol
[AD-A237334] 21 p3487 N91-29347
Morphology of bulk Nylon 6 subjected to plane strain compression
[AD-A237331] 21 p3532 N91-29622
Deconvolution of x ray diffraction data to elucidate plastic deformation mechanisms in the uniaxial extension of bulk Nylon-6
[AD-A237332] 21 p3532 N91-29623
ARIAS, J. L.
The avian eggshell as a model of biomineralization
[DE91-012608] 20 p3323 N91-28400
ARIDOR, YARIV
Interpretation and compilation of a symbolic parallel language (SYMPAL)
[ITN-90-85043] 07 p1040 N91-15707
ARIF, HUGH
Preliminary thermal design of the COLD-SAT spacecraft
[NASA-TM-104440] 17 p2739 N91-25161
ARIF, MUHAMMAD
Interaction of squeezed light with a two level atom
[PB91-130112] 16 p2682 N91-24848
ARIGA, S.
Gas engine durability improvement, volume 1
[PB91-136341] 17 p2782 N91-25394
ARIMA, IZUMI
The electric field change caused by a ground flash with multiple channels 24 p4054 N91-32647
ARISAWA, TAKASHI
Electron temperature of Gd plasma produced by laser resonance ionization
[DE91-744833] 11 p1805 N91-19913
ARIYAWANSA, K. A.
Performance of a benchmark implementation of the Van Slyke and Wets algorithm for stochastic programs on the Alliant FX/8
[DE91-016515] 24 p4087 N91-32833
ARKHANGELSKIY, D. YU.
Psychological preparation of operators for activity during sustained G-loads 10 p1560 N91-18577
ARKING, ALBERT
Cloud atlas for the FIRE Cirrus Intensive Field Observation (IFO) 01 p0082 N91-10487
Climate Impact of Solar Variability
[NASA-CP-3086] 03 p0439 N91-12456
Feedback processes and climate response
03 p0445 N91-12486
ARKO, A. J.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979
Photoemission measurement of Fermi surface, band dispersion, and quasiparticle lifetime in YBa2Cu3O6.9
[DE91-015194] 21 p3593 N91-29989
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds
[DE91-016239] 24 p4095 N91-32878
ARLABOSSE, FRANCOIS
SATEXPERT: An expert systems network for automatic spacecraft control 14 p2217 N91-22252
ARLAT, JEAN
Dependability validation by means of injection: Method, implementation, application
[LAAS-90399] 12 p1958 N91-20774
ARMAN, B.
Analysis of condensation and evaporation of ammonia/water mixtures in matrix heat-exchangers
[DE91-014461] 21 p3512 N91-29500
Prediction of the pressure drop in transverse, repeated-rib tubes with numerical modeling
[DE91-014465] 21 p3512 N91-29503
ARMAND, ARMANDO
On-line assistance in flight simulation
[ETN-91-99772] 22 p3624 N91-30164
ARMAND, C.
Conditional sampling
[AAAF-NT-89-04] 23 p3784 N91-31099
ARMANTROUT, G. A.
Robot development for nuclear material processing
[DE91-016567] 24 p4027 N91-32502
ARMBRUESTER, PETER
The control system of an airborne radiometer: A process for a two dimensional reconstruction of irregular scanned radiometer data
[MITT-70] 02 p0215 N91-11202
ARMENTROUT, CHARLES J.
Experimental development, testing, and research work in support of the inertial confinement fusion program
[DE91-002770] 05 p0721 N91-14026
ARMENTROUT, D. L.
Changes with material properties of acoustic emission produced during single point machining
[DE91-011913] 20 p3332 N91-28452
Origin of acoustic emission produced during single point machining
[DE91-011915] 20 p3332 N91-28453
ARMINI, A. J.
Wear measurement of ceramic bearings in gas turbines
[AD-A227505] 08 p1159 N91-16382
ARMITAGE, S.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292
ARMSTRONG, D. S.
Capture and transfer of pions in hydrogenous materials
[DE90-017756] 02 p0268 N91-11505
ARMSTRONG, DAVID W.
Effects of multiple cold air exposures on delayed matching to sample performance
[AD-A228390] 09 p1371 N91-17534
ARMSTRONG, DONALD
Operational oceanic air traffic control using satellite data link: Initial implementation 24 p3958 N91-32121
ARMSTRONG, ELIZABETH S.
Cooling of in-situ propellant rocket engines for Mars mission
[NASA-TM-103729] 13 p2042 N91-21233
ARMSTRONG, I.
Fully automatic analysis in an industrial environment
[PNR-90722] 01 p0111 N91-10647
ARMSTRONG, J. H.
Flexible copper-indium-diselenide films and devices for space applications 22 p3634 N91-30222
ARMSTRONG, J. SCOTT
Modified seasonal factors in exponential smoothing
[DE91-002802] 06 p0849 N91-14688
ARMSTRONG, JEFFREY H.
Near-stall loss measurements in a CD compressor cascade with exploratory leading edge flow control
[AD-A237497] 21 p3513 N91-29509
ARMSTRONG, JOHN
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
ARMSTRONG, K. P.
Bearing staking process investigation using a designed experiment
[DE91-006280] 10 p1532 N91-18441
ARMSTRONG, P. E.
Elastic after-effect due to oxygen relaxation in YBa2Cu3O(7-delta) above Tc
[DE91-005874] 09 p1414 N91-17783
ARMSTRONG, ROBERT L.
Atmospheric propagation of laser beams
[AD-A234314] 18 p2989 N91-26501
ARMSTRONG, RUSSELL A.
IR plasma emissions
[AD-A227713] 08 p1229 N91-16776

ARMSTRONG, T. W.
Characteristics of trapped proton anisotropy at Space Station Freedom altitudes
[NASA-CR-184061] 07 p1082 N91-15953
Radiation calculations and comparisons with data 16 p2709 N91-24991
LDEF geometry/mass model for radiation analyses 16 p2709 N91-24992
ARMSTRONG, THOMAS P.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
ARMSTRONG, TONY W.
Scoping estimates of the LDEF satellite induced radioactivity
[NASA-CR-184074] 08 p1103 N91-16056
ARMSTRONG, W. T.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
ARMSTRONG, WILBUR C.
Propulsion stability codes for liquid propellant propulsion systems developed for use on a PC computer
[NASA-CR-184983] 18 p2937 N91-26201
ARMSTRONG, WILLIAM
Damage accumulation in advanced metal matrix composites under thermal cycling
[AD-A235002] 18 p2942 N91-26227
ARMUS, LEE
An optical investigation of powerful far-infrared galaxies 03 p0434 N91-12431
The nature of the emission-line nebulae in powerful far-infrared galaxies 08 p1256 N91-16916
ARNAL, D.
Boundary layer transition detection and measurement methods at CERT/DERAT
[AAAF-NT-89-14] 23 p3785 N91-31105
ARNAL, Y.
Ionospheric plasma simulation in a large space simulator 07 p0953 N91-15236
ARNALL, DAVID
Effects of bright illumination on oral temperature and cognitive performance in humans during nighttime hours
[AD-A232787] 15 p2478 N91-23722
ARNAUD, C. D.
The role of calcium in osteoporosis 17 p2818 N91-25572
ARNAUD, K. A.
XSPEC: An x ray spectral fitting package. Version 2 of the user's guide
[NASA-TM-105007] 22 p3732 N91-30776
ARNAUD, SARA B.
Mechanical response tissue analyzer for estimating bone strength 14 p2356 N91-23031
A non-invasive measure of minerals and electrolytes in tissue 15 p2538 N91-24058
Gravity, calcium, and bone: Update, 1989 17 p2818 N91-25573
ARNAULT, S.
Validation requirements for the Topex/Poseidon altimeter mission 15 p2454 N91-23602
ARNAULT, VERONIQUE
Relations between microstructure and mechanical behaviour of SiC/SiC composites: Interface effects on multiple cracking in multifilament materials
[ISAL-89-0098] 02 p0190 N91-11065
ARNAUT, LYNN Y.
Response of forest trees to sulfur, nitrogen, and associated pollutants
[PB90-270539] 09 p1360 N91-17473
ARNEGARD, RUTH J.
Operator strategies under varying conditions of workload
[NASA-CR-4385] 19 p3214 N91-27763
ARNETT, DAVID W.
Computing and data processing 24 p4120 N91-33028
ARNETT, GARY
Spacelab-3 low-g accelerometer data from the fluid experiments system (FES) 03 p0430 N91-12410
ARNOLD, A.
The linearly implicit Euler method for quasi-linear parabolic differential equations
[CWI-NM-R9002] 02 p0260 N91-11451
ARNOLD, C., JR.
Preparation of ionic membranes for zinc/bromine storage batteries
[DE91-012008] 20 p3337 N91-28483
Durability of polymeric materials used in zinc/bromine flow batteries
[DE91-012864] 20 p3338 N91-28487
ARNOLD, D.
Design and analysis of the 50 mm collider dipole vacuum vessel
[DE91-012490] 20 p3360 N91-28610
ARNOLD, DAVID V.
Remote sensing of Earth terrain
[NASA-CR-186904] 06 p0839 N91-14635
ARNOLD, FRED E.
Synthesis and properties of rigid-rod benzobisazole polymers containing benzothiazole pendent groups
[AD-A234742] 18 p2963 N91-26357
ARNOLD, G. B.
Bosonic mechanism for high-temperature
[DE91-008592] 12 p1992 N91-20966
ARNOLD, G. W.
Defect diffusion in ion implanted glasses
[DE91-016119] 23 p3819 N91-31302
Ion-implantation induced crystallization of glass
[DE91-016121] 23 p3819 N91-31303
Ion implantation effects in crystalline quartz
[DE91-016192] 24 p4111 N91-32977
ARNOLD, GRAHAM S.
Photochemical spacecraft self-contamination: Laboratory results and systems impacts
[AD-A226488] 04 p0493 N91-12739
ARNOLD, JACK H.
Dual-purpose self-deliverable lunar surface PV electrical power system 11 p1669 N91-19200
ARNOLD, JAMES E.
GLObal Backscatter Experiment (GLOBE) Pacific survey mission 17 p2793 N91-25452
ARNOLD, JAMES O.
Technologies for aerobraking
[NASA-TM-102854] 15 p2386 N91-23207
ARNOLD, K.
Geometric modeling applications interface program, volume 3
[AD-A228061] 09 p1380 N91-17586
ARNOLD, S.
Progress in the detection of single molecules in levitated droplets
[DE91-000612] 05 p0635 N91-13517
Ultrasensitive molecular fluorescence spectroscopy in levitated microdroplets
[DE91-000621] 08 p1110 N91-16095
Compressed/reconstructed test images for CRAF/Cassini 10 p1511 N91-18316
Emerging standards for still image compression: A software implementation and simulation study 10 p1511 N91-18317
Frame synchronization for the Galileo code 10 p1513 N91-18325
ARNOLD, STEVEN M.
Elastic/plastic analyses of advanced composites investigating the use of the compliant layer concept in reducing residual stresses resulting from processing
[NASA-TM-103204] 02 p0192 N91-11074
Progress in modeling deformation and damage 12 p1839 N91-20108
Viscoplastic analysis of an experimental cylindrical thrust chamber liner
[NASA-TM-103287] 20 p3362 N91-28622
ARNOLD, WERNER
Measuring and simulation of steady shock wave profiles in Armco iron
[MBB-UA-1144-89-PUB] 03 p0382 N91-12130
ARNOLDSSON, GOERAN
Evaluation of a wind profile model
[FOA-E-40045-4.5] 05 p0690 N91-13839
ARNOLDUS, HENK F.
Spectral and temporal distribution of phase-conjugated fluorescent photons
[AD-A230504] 12 p1976 N91-20873
Heisenberg approach to photon emission near a phase conjugator
[AD-A233585] 16 p2685 N91-24871
Resonance fluorescence spectrum of an atom near a phase conjugator
[AD-A234535] 18 p3058 N91-26894
Phase-conjugated fluorescence
[AD-A231114] 20 p3395 N91-28820
ARNONE, A.
Navier-Stokes analysis of transonic cascade flow
[NASA-TM-103624] 02 p0213 N91-11192
ARNONE, ANDREA
Transonic cascade flow calculations using non-periodic C-type grids 13 p2013 N91-21071
ARNONE, GAETANO J.
Multiple channel programmable coincidence counter
[DE90-014681] 01 p0104 N91-10602
ARNONE, MILES
Mechanical properties of microelectronics thin films: Silicon nitride (Si3N4)
[AD-A225394] 03 p0425 N91-12379
ARNONE, ROBERT A.
Aircraft laser derived chlorophyll distribution across the Iceland-Faeroe front 17 p2793 N91-25451
ARNOTT, W. P.
Theoretical and experimental study of thermoacoustic engines
[AD-A230700] 12 p1919 N91-20559
ARNOULD-ALLARD, BENEDICTE
Influence of microstructure on fracture behavior and thermal shock resistance for carbon materials
[ISAL-90-0097] 22 p3654 N91-30338
AROCENA, INAKI
Robot control strategies
[OUEL-1754/89] 06 p0833 N91-14605
ARONS, J.
Relativistic shock waves and the excitation of plerions
[DE91-007623] 15 p2532 N91-24027
Magnetospheric structure of rotation powered pulsars
[DE91-007622] 15 p2532 N91-24028
ARONS, JONATHAN
Time-dependent two-dimensional radiation hydrodynamics of accreting matter onto highly magnetized neutron stars
[DE91-005228] 07 p1083 N91-15960
ARORA, JASBIR S.
Global optimization methods for engineering design 01 p0052 N91-10310
ARORA, O. P.
Effect of additives on the morphology and superconductivity of YBa2Cu3O(6+x) ceramic superconductors
[AD-A224734] 03 p0422 N91-12359
ARORA, OM P.
Method of producing YBa2Cu3O+x superconductors with high transition temperatures
[AD-D014836] 16 p2695 N91-24922
ARPACI, V. S.
Mass transfer in oscillating flows: Efficient drying via pulse combustors
[PB90-242389] 01 p0040 N91-10235
ARPASI, DALE J.
Turbomachinery 12 p1837 N91-20097
Enhancing aeropropulsion research with high-speed interactive computing
[NASA-TM-104374] 16 p2673 N91-24796
ARPE, K.
Temporal sampling considerations in global climate modeling
[DE91-015695] 23 p3891 N91-31717
ARPIGNY, C.
From C/Mrkos to P/Halley: 30 years of cometary spectroscopy 17 p2891 N91-25984
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012
ARQUILLA, R.
Science observations with the IUE using the one-gyro mode 09 p1447 N91-17979
ARQUIS, ERIC
Eureca 1 AMF 117 experiment: An analysis of thermal and solutal transfer during the crystal growth of CdTe by the THM process
[REPT-911-430-118] 15 p2516 N91-23947
Eureca 1 AMF 117 experience: Thermal and solutal transfer analysis for CdTe in tellurium during crystal growth by the THM method
[REPT-911-430-120] 15 p2517 N91-23948
ARRAS, MICHAEL K.
Performance and fault-tolerance of neural networks for optimization
[NASA-CR-187582] 19 p3232 N91-27869
ARREGUIN, STEVE
ALS rocket engine combustion devices design and demonstration
[NASA-CR-183824] 21 p3468 N91-29233
ARRENDALE, FREDERIC MARC
Survivability enhancements for military communications satellites
[AD-A224683] 03 p0320 N91-11790
ARROTT, A. P.
MIT/Canadian vestibular experiments on the Spacelab-1 mission. Part 1: Sensory adaptation to weightlessness and readaptation to one-g: An overview 17 p2821 N91-25587
ARRUDA, ANTHONY
Vehicular sources in acoustic propagation experiments 08 p1215 N91-16690
ARTER, W.
Issues in direct numerical simulation of plasma turbulence and transport 20 p3410 N91-28901
ARTOK, L.
Catalyst dispersion and activity under conditions of temperature-staged liquefaction
[DE91-016602] 23 p3811 N91-31261
ARTRU, M.-C.
Is the magnetic Ap star 21 Per an eclipsing binary 09 p1434 N91-17902
Nitrogen abundances in chemically peculiar stars 09 p1435 N91-17903
ARTS, T.
Aero-thermal investigation of a highly loaded transonic linear turbine guide vane cascade. A test case for inviscid and viscous flow computations
[VKI-TN-174] 15 p2426 N91-23437

ARTUPHEL, FREDERIC
Space manufacturing quality through statistical process control: An application at Texas Instruments France, a space semiconductors production line
24 p4004 N91-32384
ARUN, VEERARAGHAVAN
The solution of variable-geometry truss problems using new homotopy continuation methods
20 p3365 N91-28640
ARVAS, ERCUMENT
Resonance region scattering
[AD-A226536] 05 p0647 N91-13589
ARVESEN, JOHN
High altitude aircraft direction using real-time scientific analysis of telemetered data 17 p2800 N91-25489
ARVIDSON, R.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
ARVIDSON, RAYMOND E.
The Geologic Remote Sensing Field Experiment (GRSFE): The first geology multisensor airborne campaign 17 p2795 N91-25461
ARYA, R.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480
ARYA, R. R.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
ARYA, V. K.
Analysis of damage in MMC components using an internal state variable model 16 p2583 N91-24315
ARYA, VINOD K.
Elastic/plastic analyses of advanced composites investigating the use of the compliant layer concept in reducing residual stresses resulting from processing
[NASA-TM-103204] 02 p0192 N91-11074
Application of thermal life prediction model to high-temperature aerospace alloys B1900+Hf and Haynes 188
[NASA-TM-4226] 11 p1721 N91-19473
Nonlinear structural analysis of cylindrical thrust chambers using viscoplastic models
[NASA-CR-185253] 14 p2278 N91-22601
Viscoplastic analysis of an experimental cylindrical thrust chamber liner
[NASA-TM-103287] 20 p3362 N91-28622
ASAI, KEISUKE
Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003
ASAKA, HIDEAKI
Developmental assessment of RELAP5/MOD3 code against ROSA-IV/TPTF horizontal two-phase flow experiments
[DE90-513748] 04 p0521 N91-12899
ASAKAWA, A.
Progressive feature of stepped leader on Japan sea coast in winter (basic data to establish shielding theory for lightning)
[DE91-742133] 11 p1739 N91-19561
ASAKAWA, C.
Solid oxide fuel cells: Producing zirconia solid electrolyte thin films by doctor blade method
[DE91-736730] 09 p1355 N91-17442
Solid oxide fuel cells: A new cathode material (La, Sr)(Mn, Cr)O for SOFC
[DE91-736731] 10 p1539 N91-18469
ASAMI, KOUJI
Time resolved electron spectrum analyzer
19 p3248 N91-27965
ASAMI, TETSUO
Evaluation of neutron nuclear data for O-16
[DE90-008105] 17 p2861 N91-25822
ASANO, K. G.
Spontaneous cluster decomposition in a quadrupole ion trap
[DE91-012519] 20 p3399 N91-28836
ASATRIAN, A. S.
New data on the peculiar galaxy MRK 273
08 p1251 N91-16887
ASAY, B.
The deflagration-to-detonation transition in granular HMX
[DE91-014591] 20 p3331 N91-28448
ASAY, B. W.
Shock response of Detasheet
[DE91-010923] 18 p2970 N91-26399
Shock compression of DuPont detasheet at low stress
[DE91-013229] 20 p3330 N91-28443
ASAY, J. R.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Dynamic yield strength and spall strength measurements under quasi-isentropic loading
[DE90-016105] 04 p0537 N91-12977
Hypervelocity launch capabilities to over 10.4 km/s
[DE91-010859] 18 p2934 N91-26186
Sandia's new hypervelocity launcher (HVL)
[DE91-014335] 20 p3287 N91-28178
Launch capabilities to over 10 km/s
[DE91-014657] 21 p3463 N91-29203
The use of high velocity launchers for scientific and engineering studies
[DE91-015564] 21 p3464 N91-29208
ASBOLL, KOLSTEIN
Carbon fibre reinforced aluminium: Manufacturing and properties 03 p0332 N91-11859
ASCH, JOACHIM
The semiclassical limit of the Berry phase
[ETN-90-98185] 04 p0578 N91-13218
ASCHER, U.
Projected implicit Runge-Kutta methods for differential-algebraic boundary value problems
[DE91-000660] 06 p0867 N91-14791
ASCHER, URI M.
Numerical methods for boundary value problems in differential-algebraic equations
[DE91-001748] 05 p0709 N91-13956
ASCOLESE, M.
Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801
ASELAGE, T. L.
Low temperature properties of boron carbides
[DE91-008172] 11 p1677 N91-19243
Phase formation in the Tl-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
On the crystal structure of boron carbides
[DE91-009256] 13 p2161 N91-21914
Structure of icosahedral borides by Raman spectroscopy
[DE91-010872] 21 p3473 N91-29260
High temperature thermoelectric properties of boron carbide
[DE91-015848] 21 p3601 N91-30037
ASELAGE, TERRY
Infrared absorption in boron carbides: Dependence on isotope and carbon concentration
[DE90-017592] 01 p0022 N91-10132
ASENJO, J. L.
General configuration aspects on airlifter design
10 p1463 N91-18070
ASH, D. I.
Weldability of nickel and iron aluminides
[DE90-013498] 01 p0026 N91-10153
Weldability and hot ductility of iron aluminides
[DE91-016343] 23 p3815 N91-31280
ASH, JOHN L., JR.
Economic development of small-scale information systems
[AD-A226162] 04 p0606 N91-13371
ASH, ROBERT L.
Second coefficient of viscosity in air
[NASA-CR-187783] 07 p0977 N91-15364
Development of a perturbation generator for vortex stability studies
[NASA-CR-188051] 11 p1703 N91-19379
ASHBY, C. I. H.
Selective suppression of carrier-driven photochemical etching: Raman spectroscopy as a diagnostic tool
[DE91-007495] 10 p1610 N91-18885
ASHBY, M. F.
Processing of mixed oxide superconductors
[AD-A229845] 12 p1990 N91-20954
ASHCRAFT, CLEVE
A comparison of three column-based distributed sparse factorization schemes
[AD-A228143] 07 p1052 N91-15776
A compute-ahead implementation of the fan-in sparse distributed factorization scheme
[DE91-000531] 07 p1053 N91-15781
ASHE, HARRY
High reliability megawatt transformer/rectifier
[NASA-CR-187079] 13 p2075 N91-21430
ASHFORD, N. J.
Airport stand assignment model
[TT-9009] 05 p0618 N91-13426
ASHFORD, R.
The European certification process
03 p0309 N91-11735
ASHKENAZI, J.
First principles calculation of the crystal structures in the 4d transition metals 15 p2498 N91-23835
Theory of the new high-temperature superconductors
15 p2499 N91-23842
ASHMAN, WILLIAM P.
Computer-assisted determination of minimum energy conformations. Part 4: Alpha1 and alpha2 adrenergic compounds
[AD-A226811] 08 p1110 N91-16097
ASHOUR-ABDALLA, M.
Wave collapse at lower hybrid resonance
06 p0919 N91-15073
Physics of heavy ions (1989-1990)
[NASA-CR-188013] 14 p2283 N91-22627
ASHTON, E. C.
Electronic systems miniaturization using programmable logic devices
[DE91-006214] 09 p1330 N91-17307
ASHTON, W. BRADFORD
A fuel cycle framework for evaluating greenhouse gas emission reduction technology
[DE91-004068] 07 p1026 N91-15633
ASHWILL, T. D.
A 34-meter VAWT (Vertical Axis Wind Turbine) point design
[DE91-004565] 09 p1356 N91-17449
ASHWORTH, B.
Space station automation of common module power management and distribution, volume 2
[NASA-CR-184035] 04 p0495 N91-12748
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195
ASKARYAN, G. A.
Effect of the field gradient of an intense electromagnetic beam on electrons and atoms
[AD-A233047] 16 p2687 N91-24872
ASKEW, GREGORY K.
Ventilation loss and pressurization in the NASA launch/entry suit: Potential for heat stress
[NASA-CR-188075] 13 p2129 N91-21719
ASKEW, RAY
Silicon device performance measurements to support temperature range enhancement
[NASA-CR-187904] 10 p1517 N91-18352
ASKINS, D. R.
Composites supportability rapid test and evaluation
[AD-A225243] 03 p0335 N91-11881
ASKIT, MEHMET
Compiler generation based on grammar inheritance
[MEMO-INF-90-07] 03 p0405 N91-12257
ASKLEY, C. S.
Aerogel composites for radioluminescent light/power sources
[DE91-012012] 20 p3323 N91-28395
ASKNE, J.
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations
13 p2181 N91-22050
ASLAM, JAVED A.
On-line algorithms for 2-coloring hypergraphs via chip games
[AD-A230200] 12 p1956 N91-20758
ASLAM, M.
Efficiency of N use by wheat as a function of influx and efflux of NO3
23 p3902 N91-31778
ASLAM, S.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
ASLAN, J.
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041
ASLAN, R.
Parabolized Navier-Stokes methods for ducted flow systems 24 p4013 N91-32434
ASLANOGLOU, X.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
ASLOUN, E. M.
Investigations on the interface and mechanical properties of composites based on non impregnated carbon fibre reinforced thermoplastic preforms
[MBB-Z-0298-90-PUB] 04 p0497 N91-12757
ASMAR, FEDERICO
Collision induced electronic quenching of aluminum monoxide
[AD-A236681] 19 p3127 N91-27276
ASO, SHIGERU
Numerical calculations of separated flows around a wing section at unsteady motion by a discrete vortex method
04 p0451 N91-12517
Numerical simulations of unsteady shock reflection processes by a ramp 08 p1139 N91-16267
Numerical simulation of separated flows around a wing section at steady and unsteady motion by a discrete vortex method
08 p1139 N91-16268

ASO, TADASHI
Satellite cloud information chart
01 p0062 N91-10374
ASOKA-KUMAR, P.
Slow positron studies of hydrogen activation/passivation on SiO2/Si(100) interfaces
[DE91-010974] 17 p2871 N91-25882
ASPHAUG, E.
Impact processes in the Solar System: New understandings through numerical modeling
11 p1820 N91-19996
ASPNES, JAMES
Counting networks
[AD-A237475] 21 p3559 N91-29780
ASRAR, GHASSEM
NASA 1990 Multisensor Airborne Campaigns (MACs) for ecosystem and watershed studies
17 p2792 N91-25447
ASSADI, S.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Edge electrostatic fluctuations and transport in the MST reversed field pinch
[DE91-015218] 21 p3588 N91-29959
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960
ASSANIS, D. N.
Simulation studies of diesel engine performance with oxygen enriched air and water emulsified fuels
[DE91-006053] 09 p1348 N91-17404
Oxygen-enriched diesel engine performance: A comparison of analytical and experimental results
[DE91-006491] 11 p1714 N91-19440
ASSENDORP, R.
The embedded objects in epsilon Cha I cloud
06 p0895 N91-14949
ASSEO, E.
Nonlinear plasma effects in the environment of active galactic nuclei 06 p0921 N91-15085
ASSIE, JEAN PIERRE
Effects of ultravacuum and space environment on contact ohmic resistance (AO 138-11)
16 p2724 N91-25090
Microwelding of various metallic materials under ultravacuum (AO 138-10) 16 p2725 N91-25091
ASSINK, R. A.
Sol-gel kinetics by NMR
[DE91-011500] 20 p3309 N91-28314
Preparation of ionic membranes for zinc/bromine storage batteries
[DE91-012008] 20 p3337 N91-28483
ASSMUS, W.
Monocrystalline high temperature superconductor
14 p2333 N91-22892
AST, D.
Defect studies in III-V thin film semiconductors
[DE91-012746] 20 p3427 N91-29011
AST, D. G.
High temperature deformation of silicon
[DE91-009102] 13 p2054 N91-21305
ASTAPCHIK, S. A.
Laser alloying of steel using powder materials
19 p3131 N91-27299
ASTILLERO, RICARDO
Demonstration Precision Runway Monitor (PRM) proof of performance test results
[DOT/FAA/CT-TN91/3] 17 p2737 N91-25153
ASTOLFI, D. K.
Biochip technology development
[AD-A230564] 12 p1967 N91-20823
ASTONE, P.
Fast estimation of the variance of a narrowband process
[IFSI-90-16] 01 p0035 N91-10209
ASTORGA, JOAQUIN
Robust low-order control of flexible joint manipulators
20 p3355 N91-28584
ASTRIDGE, DEREK G.
Rotorcraft drivetrain life safety and reliability
[AGARD-R-775] 01 p0007 N91-10042
Helicopter transmissions: Design for safety and reliability 01 p0008 N91-10043
ASVELD, P. R. J.
Fibonacci-like iterated nonlinear map
[PB91-185439] 22 p3744 N91-30864
ASVELD, PETER R. J.
A Fibonacci-like iterated nonlinear map or order from chaos in the region of the tiny tornados
[MEMO-INF-90-10] 10 p1580 N91-18696
ASWATH, PRANESH BELGOD
Micromechanisms of quasi-static and fatigue crack growth in titanium-aluminides 14 p2275 N91-22583
ATAMANCHUK, T. M.
Performance characteristics of hypersonic detonation wave ramjets 15 p2379 N91-23168
ATANASOV, V. A.
Analysis of necessary and sufficient conditions for the equilibrium stability of a gyrostatic satellite
18 p2930 N91-26166
ATASSI, HAFIZ M.
Acoustic radiation from lifting airfoils in compressible subsonic flow
[NASA-TM-103650] 11 p1641 N91-19053
A finite-difference, frequency-domain numerical scheme for the solution of the linearized unsteady Euler equations 13 p2012 N91-21067
ATCHABAROV, B. A.
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-003] 06 p0853 N91-14706
ATCHLEY, ANTHONY A.
Summary of basic research in thermoacoustic heat transport: 1990
[AD-A232223] 15 p2500 N91-23847
ATENCIO, ADOLPH, JR.
J-85 jet engine noise measured in the ONERA S1 wind tunnel and extrapolated to far field
[NASA-TP-3053] 11 p1790 N91-19823
ATENCIO, JERRY H.
Destruction of propellant components in supercritical water
[DE90-010600] 08 p1108 N91-16085
ATHALE, RAVINDRA A.
Analog optical neural nets: A noise sensitivity analysis
[AD-A226789] 07 p1055 N91-15793
High accuracy digital acousto-optic matrix computer
[AD-D014842] 16 p2666 N91-24749
ATHANASSOULA, E.
Dynamical interactions of galaxy pairs
08 p1258 N91-16930
ATHAVALE, MAHESH MADHUKAR
A numerical scheme for time-accurate solutions of incompressible flow equations 10 p1523 N91-18384
ATHERTON, C. S.
NO(x) pollution from biomass burning: A global study
[DE91-010154] 16 p2655 N91-24691
Impact of reactive nitrogen emissions from fossil fuel combustion and biomass burning on atmospheric chemistry
[DE91-017651] 24 p4042 N91-32588
ATHERTON, TIM
Design for navigation: Using acoustic cats' eyes to improve sonar range and direction range finding for industrial mobile robots and AGV's
[OUEL-1812/90] 01 p0006 N91-10036
ATHINIOTIS, N.
Examination of the microstructure of 7050 aluminum alloy samples
[AD-A232544] 15 p2403 N91-23306
ATIF, KARIM
A method for handling complex Markov models of parallel systems
[RR-826-I] 15 p2488 N91-23778
ATKESON, CHRISTOPHER G.
Using modular neural networks with local representations to control dynamic systems
[AD-A234700] 18 p3045 N91-26813
ATKINS, D. J.
Transition control via boundary layer heating
[ARE-TR-88503] 05 p0660 N91-13667
ATKINS, HAROLD
A multiple-block multigrid method for the solution of the three-dimensional Euler and Navier-Stokes equations
[DLR-FB-90-45] 22 p3678 N91-30478
ATKINSON, D. J.
A report on SHARP (Spacecraft Health Automated Reasoning Prototype) and the Voyager Neptune encounter
[NASA-CR-187810] 07 p1056 N91-15799
ATKINSON, DALE R.
Meteoroid and orbital debris record of the Long Duration Exposure Facility 16 p2711 N91-25003
LDEF data correlation to existing NASA debris environment models 16 p2712 N91-25011
M and D SIG progress report: Laboratory simulations of LDEF impact features 16 p2713 N91-25013
Preliminary micrometeoroid and debris effects on LDEF thermal control surfaces 16 p2713 N91-25014
ATKINSON, DAVID J.
Spacecraft Health Automated Reasoning Prototype (SHARP): The fiscal year 1989 SHARP portability evaluations task for NASA Solar System Exploration Division's Voyager project
[NASA-CR-187338] 01 p0034 N91-10204
SHARP: Automated monitoring of spacecraft health and status 12 p1940 N91-20671
Knowledge systems support for mission operations automation 14 p2217 N91-22255
ATKINSON, L. P.
WINTER 1990 hydrographics data report: CTD station profiles, sections, nutrients, SAIL, January - February 1990
[DE91-008286] 13 p2123 N91-21686
ATKINSON, LEE A.
OSIRRUS: Oceanic symbolic image representation, recognition and understanding software
[AD-A235112] 18 p3018 N91-26665
ATKINSON, R.
Lifetimes and fates of toxic air contaminants in California's atmosphere
[PB90-253204] 02 p0233 N91-11304
ATKINSON, ROBERT J.
A PC-based multispectral scanner data evaluation workstation: Application to Daedalus scanners
17 p2797 N91-25471
MAMS: High resolution atmospheric moisture/surface properties 24 p4057 N91-32664
ATKOV, O.
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988)
11 p1742 N91-19577
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
ATLAS, EUGENE L.
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
ATLI, V.
Aerodynamic characteristics of cylindrical bodies with pointed and truncated conical noses
06 p0773 N91-14289
ATLURI, S. N.
Time finite element methods for large rotational dynamics of multibody systems
[DE91-002336] 07 p1061 N91-15838
ATLURI, SATYA N.
Studies in modeling, dynamics, and control of space structures
[AD-A235059] 18 p2935 N91-26190
ATTALLA, A.
Comparison of hydrogen diffusion in Ti2PdH(x) to the behavior for Ti2CuH(x) and Zr2PdH(x)
[DE91-002711] 08 p1235 N91-16808
ATTAWAY, R. W.
Pavement marking materials program
[PB90-264615] 09 p1286 N91-17067
ATTAWAY, S.
Bobbin stresses generated by wire winding
[DE91-009545] 15 p2442 N91-23526
ATTAWAY, S. W.
Update of PRONTO 2D and PRONTO 3D transient solid dynamics program
[DE91-009183] 13 p2101 N91-21564
ATTAYA, H.
LOCA analysis for manganese-stabilized steel
[DE91-008809] 12 p1871 N91-20283
ATTENBERGER, S. E.
Numerical analysis of the relationship between local transport and global confinement in tokamaks
10 p1599 N91-18822
ATTENBOROUGH, K.
Using a fast Fourier method to model sound propagation in a stratified atmosphere over a stratified porous-elastic ground 08 p1216 N91-16692
ATTERIDGE, D. G.
Deformation effects on the development of grain boundary chronium depletion (sensitization) in type 316 austenitic stainless steels
[DE90-016130] 02 p0195 N91-11092
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-014862] 21 p3483 N91-29319
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-016949] 23 p3816 N91-31290
ATTIA, A. I.
Sodium-metal chloride battery research at JPL
24 p4038 N91-32566
Advances in Li-TiS2 cell technology
24 p4039 N91-32567

ATTIA, A. V.
A continuum tensile failure model with friction
[DE90-018006] 02 p0226 N91-11265
ATTIA, ALAN
High power bipolar lead-acid batteries
14 p2360 N91-23056
ATTIAS, ANDRE-JEAN
Hardening mechanisms and analysis of the structure of the TGDDM/DDS epoxy resin system
[ESA-TT-1202] 15 p2405 N91-23319
ATTIYA, HAGIT
Bounds on the time to reach agreement in the presence of timing uncertainty
[AD-A229766] 12 p1957 N91-20764
Are wait-free algorithms fast
[AD-A232829] 15 p2487 N91-23774
Using mappings to prove timing properties
[AD-A234404] 18 p3040 N91-26780
ATTWOOD, D.
Coherence, optics and applications of x ray wavelengths
[DE91-009739] 14 p2327 N91-22858
ATTWOOD, MIKE C.
Columbus logistics support. A conceptional definition of the operational phase
[MBB-UO-0093-90-PUB] 01 p0015 N91-10091
ATWELL, WILLIAM
Preliminary calculation of solar cosmic ray dose to the female breast in space mission
[NASA-TM-4235] 09 p1449 N91-17997
Preliminary analysis of a radiobiological experiment for LifeSat
[NASA-TM-4236] 09 p1450 N91-17998
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
Analyses of risks associated with radiation exposure from past major solar particle events
[NASA-TP-3137] 22 p3776 N91-31061
ATWOOD, CHRISTOPHER A.
Computation of viscous blast wave flowfields
[NASA-CR-188080] 14 p2262 N91-22512
ATWOOD, CORWIN L.
Recommended methods for statistical analysis of data containing less-than-detectable measurements
[DE91-006102] 10 p1544 N91-18499
ATWOOD, J. D.
Comparison of group transfer, inner sphere, and outer sphere electron transfer mechanisms of organometallic complexes
[DE91-005933] 10 p1500 N91-18258
AUBERT, J. H.
Microcellular foams prepared from demixed polymer solutions
[DE91-004816] 10 p1504 N91-18277
The mechanical behavior of microcellular foams
[DE91-006775] 11 p1686 N91-19291
AUBURN, P. R.
The control of orbital mixing in ruthenium complexes containing quinone related ligands
[AD-A234602] 18 p2947 N91-26260
AUCHAMPAUGH, G.
Nuclear data needs for the space exploration initiative
[DE91-013231] 21 p3462 N91-29200
AUCIELLO, O.
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
A review of basic phenomena and techniques for sputter-deposition of high temperature superconducting films
[DE91-006468] 09 p1416 N91-17795
AUCLAIR, R. A.
On-line magnetic tape Library Inventory Tracking And Reporting (LITAR) system
[AD-A234934] 18 p3077 N91-27004
AUDET, SARAH ANNE STEIGERWALD
High-purity silicon soft x ray sensor arrays
[ETN-91-98484] 08 p1151 N91-16338
AUDLEY, GARY JAMES
Production of high surface area carbon fibres
[EP-PATENT-0-312-395-A2] 09 p1301 N91-17142
AUDOIN, CLAUDE
Physical origin of the frequency shifts in cesium beam frequency standards: Related environmental sensitivity
17 p2856 N91-25794
The effects of acceleration on precision frequency sources (proposed for IEEE standards project p1193)
[AD-A235470] 19 p3167 N91-27512
AUER, BRUCE M.
Atomic oxygen interaction with solar array blankets at protective coating defect sites 12 p1951 N91-20732
AUER, LAWRENCE
Acceleration of convergence
[DE91-004860] 09 p1383 N91-17607
AUERBACH, A.
The effect of strong Coulomb correlations on electron-phonon interactions in the copper oxides: Implications for transport
[DE91-013333] 20 p3402 N91-28854
AUERBACH, S.
Approximation and geometric modeling with simplex B-splines associated with irregular triangles
[MEMO-842] 01 p0115 N91-10673
AUERKARI, PERTTI
Creep and creep failure of power plant steels
[VTT-RR-685] 05 p0636 N91-13528
Material degradation of steam turbine rotors in long term operations
[VTT-RR-692] 05 p0637 N91-13530
Testing of engineering ceramics, summary
[VTT-RR-678] 05 p0643 N91-13567
AUERNHEIMER, BRENT
Formal specification of human-computer interfaces
11 p1824 N91-20023
AUFDERHEIDE, M. B.
Weak interactions and presupernova evolution
[DE91-011543] 18 p3084 N91-27052
AUGIER, P.
Total dose effects on Charge Coupled Devices (CCD) reverse annealing phenomena 24 p3997 N91-32341
AUGUST, R. A.
Gamma radiation survey of the LDEF spacecraft
16 p2707 N91-24981
Discovery of Be-7 Accretion in Low Earth Orbit: The 16th Annual AAS Guidance and Control Conference
[AD-A236614] 19 p3112 N91-27195
AUGUST, RICHARD
Incorporating finite element analysis into component life and reliability
[NASA-TM-104400] 15 p2446 N91-23550
ASTROP3 user's guide
[NASA-CR-187180] 22 p3693 N91-30562
AUGUSTEIJN, T.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
AUGUSTODEAZEVEDOCAMPOS, OTAVIO
Analysis of methods for the calculation of aerodynamic characteristics of artificial satellite reentry models
[INPE-5185-PRE/1653] 16 p2566 N91-24223
AULD, A. B. K.
The special requirements of a VSTOL aircraft
20 p3283 N91-28155
AULD, B. A.
Physical concepts and modeling procedures for picosecond and subpicosecond distributed circuits
[AD-A238592] 21 p3508 N91-29472
AULEHLA, FELIX
Pseudo Reynolds number effects in transonic wind tunnels
[ETN-91-98493] 07 p0937 N91-15135
AULL, J. E.
ARCHY (analysis and reverse engineering of code using hierarchy and Yourdon): A tool for FORTRAN code maintenance and development
[DE91-007241] 11 p1773 N91-19720
AUMANN, C. E.
Diffraction determination of the structure of metastable three-dimensional crystals of Ge grown on Si(001)
[AD-A236871] 19 p3255 N91-28010
AURANDT, RICHARD G.
Pressure distribution and induced force field on a conical nozzle due to impingement of a normal jet into the supersonic cross-flow
[AD-A233981] 18 p2921 N91-26115
AUREILLE, MARC
Preliminary studies before defining a payload adapted to the primate model
[ETN-90-97581] 01 p0018 N91-10107
Preliminary studies before defining a payload adapted to the primate model 11 p1754 N91-19648
AURENCHE, Y.
LIDAR studies on microbursts
16 p2555 N91-24167
AURIAN-BLAJENI, B.
Development of a nickel oxide/hydrogen multilayer bipolar battery for pulsed power, phase 2
[AD-A228388] 09 p1326 N91-17284
AURIOL, A.
The problem of research in LDDI (less developed defense industry) countries 04 p0462 N91-12581
Planning applied research in France
04 p0462 N91-12585
AUSONI, S.
Contractile protein changes induced by hindlimb suspension in rat skeletal muscle
11 p1754 N91-19646
AUSSENAC, NATHALIE
Knowledge based framework for man-system interaction in space control centres 14 p2216 N91-22249
AUSTIN, GEOFFREY
Design of the primary and secondary Pre-TRMM and TRMM ground truth sites
[NASA-CR-188755] 22 p3696 N91-30577
AUSTIN, PHILIP H.
Thermodynamic structure of the stratocumulus-capped boundary layer on 5 July 1987 01 p0088 N91-10516
Comparison and calibration of NCAR electra instruments: July 5 and 7, 1987
01 p0091 N91-10532
Thermodynamic structure of the stratocumulus-capped boundary layer on 7 July, 1987
01 p0092 N91-10533
AUSTIN, ROBERT A.
Software metrics useful tools or wasted measurements
[AD-A229951] 12 p1879 N91-20328
AUSTIN, ROBERT ANDREAS
Upper limits for the flux of very high-energy gamma radiation from Cygnus X-3 and for the explosion rate of primordial black holes obtained by the Haleakala Gamma Ray Observatory 20 p3448 N91-29134
AUSTIN, ROBERT E.
Cargo launch vehicles to low earth orbit
09 p1278 N91-17023
AUSTIN, S.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
Ultraviolet light curves of galactic and extra-galactic classical CNO novae: PW Vul, OS, and LMC 1968 no. 1 and no. 2 09 p1438 N91-17926
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
Late stages in the evolution of classical novae
09 p1441 N91-17946
Improvements in the BYBLOS continuous speech recognition system
[AD-A230126] 12 p1881 N91-20342
AUSTON, D.
Interfacial and thin film chemistry in electron device fabrication
[AD-A229609] 22 p3667 N91-30416
AUTREY, T.
A theoretical and experimental study of unimolecular and biomolecular radical hydrogen transfer reactions
[DE91-012607] 21 p3473 N91-29261
AUTREY, T. S.
Synthetic surfaces as models for biomineralization substrates
[DE91-005182] 10 p1505 N91-18262
AUTY, DAVID
A study of System Interface Sets (SIS) for the host, target and integration environments of the Space Station Program (SSP)
[NASA-CR-187399] 04 p0558 N91-13096
Storage management in Ada. Three reports. Volume 1: Storage management in Ada as a risk to the development of reliable software. Volume 2: Relevant aspects of language. Volume 3: Requirements of the language versus manifestations of current implementations
[NASA-CR-187401] 04 p0559 N91-13098
AUWETER-KURTZ, M.
High power arcjet
[NASA-CR-187986] 11 p1665 N91-19173
AVANESOV, G.
Small Space Lab as a basic spacecraft of Regatta project 01 p0070 N91-10423
AVDUYEVSKIY, VSEVOLOD SERGEYEVICH
Issues in space policy, budgeting
12 p1850 N91-20166
AVELLINI, BARBARA A.
Effectiveness of a prototype microclimate cooling system for use with chemical protective clothing
[AD-A231572] 15 p2477 N91-23717
AVELLO, CARLOS GARCIA
The high-resolution graphic display: A possible man/machine interface for a computer assisted ATC management system 02 p0173 N91-10989
AVENI, GLENN
Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU]
06 p0870 N91-14807
AVERBACK, R. S.
Interactions of energetic particles and clusters with solids
[NASA-CR-188000] 10 p1606 N91-18865
AVERBUCH, AMIR
Asynchronous and corrected-asynchronous numerical solutions of parabolic PDES on MIMD multiprocessors
[NASA-CR-187605] 22 p3728 N91-30749

AVERETT, WILLIAM J.
Ultrasonic flowmeters that are insensitive to suspended solids
[PB91-162404] 19 p3170 N91-27526
AVERNA, D. A.
Synthesis of H2 in dirty ice mantles by fast ion energy loss: New experimental results increase the relevance of this mechanism 06 p0898 N91-14962
AVERNER, MAURICE M.
The NASA CELSS program 05 p0691 N91-13848
AVERY, ANNE
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684
AVERY, DON E.
Space Station Freedom resource allocation accommodation of technology payload requirements
[NASA-TM-102766] 08 p1239 N91-16832
AVERY, J. E.
Tandem concentrator solar cells with 30 percent (AMO) power conversion efficiency 11 p1667 N91-19189
The effects of electron and proton radiation on GaSb infrared solar cells 22 p3638 N91-30244
AVERY, MARK
Silicon Wafer Advanced Packaging (SWAP). Multichip Module (MCM) foundry study, version 2
[AD-A237412] 21 p3505 N91-29452
AVERY, R. E.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836
AVIDOR, A.
Temperature distribution and thermal damage during tissue ablation by CO2 laser irradiation: Model and experiment 15 p2497 N91-23833
AVILA, ELDO E.
Charge transfer during individual collisions in ice growing by riming 24 p4068 N91-32727
AVINASH, K.
Relaxed states with plasma flow
[DE91-008199] 11 p1804 N91-19909
Model for marfe-detached plasma transition in tokamaks 20 p3415 N91-28938
AVIS, LEE M.
Limb-darkening functions as derived from along-track operation of the ERBE scanning radiometers for August 1985
[NASA-RP-1243] 06 p0848 N91-14683
AVIZIENIS, ALGIRDAS
A comparative assessment of system description methodologies and formal specification languages
[AD-A235923] 19 p3225 N91-27828
AVVA, V. S.
Impact damage tolerance of composites exposed to hot, cold, and wet environments
[AD-A236869] 19 p3121 N91-27241
AWADA, M. A.
The supersymmetric generalized modified KdV hierarchy and odd minimal superconformal field theories coupled to 20 supergravity, part 2
[DE91-005041] 09 p1364 N91-17496
AWADALLA, N. G.
Mechanical properties of 1950's vintage Type 304 stainless steel weldment components
[DE91-004328] 05 p0679 N91-13774
A failure probability estimate of type 304 stainless steel piping
[DE91-004299] 07 p0979 N91-15372
AWATAKE, S.
A new ground data system for Akebono (EXOS-D) satellite 14 p2209 N91-22200
AXE, JOHN D.
The complementarity of x rays and neutrons
[DE91-005544] 10 p1590 N91-18764
AXELRAD, PENINA
A closed loop GPS-based orbit trim system for Gravity Probe B 22 p3626 N91-30178
AXELROD, T.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
AXELROD, T. S.
WFOV star tracker camera
[DE91-012776] 20 p3282 N91-28148
An analog retina model for detecting moving objects against a moving background
[DE91-017428] 24 p4035 N91-32544
AXELSSON, RUTA
Investigation of speech systems for ground collision warning in military aircraft
[FFA-TN-1991-05] 22 p3616 N91-30119
AXNAES, I.
Laboratory experiments on the magnetic field and neutral density limits on CIV interaction
[TRITA-EPP-90-01] 02 p0272 N91-11530
AXON, D. J.
The morphology of Sersic-Pastoriza galaxies 08 p1252 N91-16893
AYALA, L.
Airframe corrosion 10 p1454 N91-18013
AYDIN, ATILLA
Stress field rotation or block rotation: An example from the Lake Mead fault system 06 p0845 N91-14668
AYDIN, R.
Investigation of surface deformations by double exposure holographic interferometry
[DE91-619238] 16 p2630 N91-24564
AYER, JACQUELINE
Users guide for the conversion of Navy paint spray booth particulate emission control systems from wet to dry operation
[AD-A224737] 03 p0349 N91-11947
AYERS, JACK
Method of producing glass fiber with cores of a different material
[AD-D014664] 11 p1686 N91-19288
AYERS, JACK D.
Metal-glass composite field-emitting arrays
[AD-D014850] 16 p2621 N91-24514
AYERS, MARILYN V.
Subject bibliography of the PMA 205 (Program Manager Air 205) network technical library at Oak Ridge National Laboratory
[DE90-009988] 08 p1240 N91-16835
AYERS, W. J.
Evaluating the performance of ceramic candle filters in a hot particulate-laden stream
[DE90-000483] 22 p3652 N91-30326
AYOUB, ESSAM FATHI
Buckling and vibrations of plates subjected to concentrated forces 02 p0224 N91-11255
AYRES, DAVID S.
Initial data from the Soudan 2 experiment
[DE91-004454] 06 p0871 N91-14815
AYRES, ROBERT L.
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532
AYRES, T. R.
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
AYSEL, MEHMET
The computer simulation and modeling of a flexible missile in 2-D motion
[AD-A225387] 03 p0406 N91-12266
AZEVEDO, J. SOUZA
Hyperfine interactions associated with iron substituted superconducting oxides
[DE90-010411] 08 p1230 N91-16783
AZEVEDO, S. G.
Computed tomography software and standards
[DE91-002573] 05 p0702 N91-13914
Model-based computed tomography for nondestructive evaluation
[DE91-013462] 20 p3358 N91-28602
AZEVEDO, STEVE
Multiple-energy techniques in industrial computerized tomography
[DE90-017518] 02 p0193 N91-11081
AZHARI, ROSA
Oxidative procedure for activation of hydroxyl-containing polymeric carriers 14 p2295 N91-22690
AZIZ, M. J.
Measurements of To temperatures of supersaturated Si-As alloys
[DE91-006774] 10 p1500 N91-18254
AZMY, Y. Y.
Parallel performance models for the nodal transport method on the hypercube
[DE90-015162] 02 p0254 N91-11408
On the adequacy of message-passing parallel supercomputers for solving neutron transport problems
[DE90-016041] 02 p0257 N91-11431
A stochastic performance model for the neutron diffusion nodal method on a multiuser parallel supercomputer
[DE90-017015] 11 p1777 N91-19749
The weighted-difference form of the nodal diffusion method in cylindrical geometry
[DE91-007849] 11 p1784 N91-19784
AZUMA, HISAO
Numerical simulation of buffer flow in a free flow electrophoresis chamber 08 p1141 N91-16279
The Japanese containerless experiments 13 p2059 N91-21338
AZUMI, M.
RF helicity injection and current drive
[NIFS-34] 01 p0127 N91-10750
Transport analysis on JT-60 10 p1598 N91-18817
H-mode simulation 10 p1599 N91-18820
AZUMI, MASAFUMI
Effects of pressure profile and plasma shaping on the n=1 internal kink mode in JT-60/JT-60U pellet fuelled plasmas
[DE91-744965] 11 p1805 N91-19914
Effects of current profiles on the kink-ballooning stability
[DE91-772218] 17 p2870 N91-25874
Numerical study of ion temperature gradient modes in a tokamak 20 p3413 N91-28921
Fluctuation spectrum of ion temperature gradient driven modes in sheared magnetic fields 20 p3415 N91-28936
AZZALI, S. M. L.
High and low resolution satellite images to monitor agricultural land
[BCRS-90-07] 04 p0539 N91-12987
AZZANI, SUSANNA
High and low resolution satellite images to monitor agricultural land
[REPT-18] 10 p1538 N91-18468
AZZAZY, MEDHAT
Development of an optical volumetric flowmeter
[PB91-136481] 14 p2268 N91-22550
AZZOLINI, JOHN D.
Two Axis Pointing System (TAPS) attitude acquisition, determination, and control 09 p1291 N91-17093

B

BAADE, R.
Winds in cool stars 09 p1429 N91-17869
BAAKLINI, GEORGE
Overall goals 20 p3299 N91-28246
BAAKLINI, GEORGE Y.
In-situ x-ray monitoring of damage accumulation in SiC/RBSN tensile specimens
[NASA-TM-103733] 14 p2241 N91-22402
BAARS, J. W. M.
Feasibility of in-orbit testing of inflatable antennas with celestial sources
[ESA-STM-243] 10 p1514 N91-18333
BAARS, JACOB W. M.
The Submillimeter Telescope (SMT) 13 p2178 N91-22033
BAARSPUL, M.
Essays on stability and control
[LR-600] 03 p0315 N91-11759
Phase 2 flight simulator mathematical model and data-package, based on flight test and simulation techniques 03 p0315 N91-11763
Mathematical modelling of flight in turbulence and windshear 03 p0316 N91-11769
BAART, DOUGLAS
Airport capacity and delay analyses
[DOT/FAA/CT-TN91/18] 17 p2737 N91-25152
BAAS, S. M.
Scheduling jobs on parallel machines, each with a unit-capacity buffer
[MEMO-837] 04 p0568 N91-13153
Algorithms for finding an optimal matching between a given string and a string generated by a regular grammar
[MEMO-836] 05 p0701 N91-13905
Algorithms for finding an optimal matching between a given string and a string generated by a regular grammar
[MEMO-921] 23 p3912 N91-31845
BABA, S.
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
BABAEV, B. M.
Human and animal results on vestibular research in space: VERIS 11 p1753 N91-19642
BABAI, MAJID K.
High pressure water jet cutting and stripping 14 p2358 N91-23047
BABAKOVA, L. L.
Effects of 13 day space flight on skeletal muscles and neuromuscular junctions in rats 18 p3026 N91-26703
BABAN, FARZAD
Pressure distribution and induced force field on a conical nozzle due to impingement of a normal jet into the supersonic cross-flow
[AD-A233981] 18 p2921 N91-26115
BABAREKO, A. A.
Crystal-chemical principles in control of texture formation in titanium alloy 19 p3133 N91-27311
BABCOCK, BRUCE K.
Electronic communications systems and the frequency domain: An illustrated primer for C3 students
[AD-A236936] 19 p3154 N91-27434

BABCOCK, PHILIP S., IV
The role of time-limited dispatch operation in fault-tolerant flight critical control systems
04 p0483 N91-12687
BABCOCK, S.
Force-reflecting control of a teleoperated system coupling a nonredundant master with a redundant slave
[DE90-012137] 21 p3526 N91-29585
BABCOCK, S. M.
Volumetric reach comparison of possible end-effectors for the articulated transporter and manipulator system
[DE91-004390] 07 p1011 N91-15552
Controller design for a teleoperator system with dissimilar kinematics and force feedback
[DE91-004391] 07 p1011 N91-15553
BABEL, H. W.
Space environmental effects on spacecraft thermal control coatings 11 p1660 N91-19148
BABIKYAN, CAROL
Knowledge representation into Ada parallel processing
[NASA-CR-187451] 05 p0705 N91-13934
BABKOFF, HARVEY
Napping, stimulant, and four choice performance
[AD-A230366] 12 p1929 N91-20615
BABOCK, S. M.
Controller design for a force-reflecting teleoperator system with kinematically dissimilar master and slave
[DE91-010187] 16 p2636 N91-24591
BABOT, D.
Nondestructive measurement of thickness and density of composite materials by Compton backscattering
[REPT-911-430-112] 15 p2394 N91-23255
BABRAUSKAS, V.
Modern test methods for flammability
[PB91-167676] 19 p3128 N91-27283
BABUSKA, I.
Parallel implementation of the hp-version of the finite element method on a shared-memory architecture
[AD-A231506] 14 p2305 N91-22735
BABUSKA, IVO
Accurate and reliable computation of complete solutions to the equations of linear elastomechanics on three-dimensional domains: Computation of edge stress intensity functions
[FFA-TN-1989-12] 05 p0678 N91-13769
Accurate and reliable determination of edge and vertex stress intensity factors in three-dimensional elastomechanics
[FFA-TN-1990-28] 05 p0678 N91-13771
Hierarchic modeling of plates
[AD-A232754] 15 p2448 N91-23560
Accuracy of the Reissner-Mindlin and the (1,1,2) model for the clamped-in plate problem
[AD-A232755] 15 p2448 N91-23561
The problem of plate modeling theoretical and computational results
[AD-A232756] 15 p2448 N91-23562
On locking and robustness in the finite element method
[AD-A232245] 15 p2494 N91-23815
The H-P version of the finite element method in the plate modelling problem
[AD-A232246] 15 p2495 N91-23816
Hierarchic models for laminated composites
[AD-A233258] 16 p2589 N91-24350
Reliability of computational analysis of plasticity problems
[AD-A239646] 23 p3887 N91-31691
Locking effects in the finite element approximation of elasticity problems
[AD-A239645] 23 p3922 N91-31914
Analysis of the efficiency of an a-posteriori error estimator for linear triangular finite elements
[AD-A239647] 23 p3922 N91-31915
BACA, R. G.
A central refrigeration system to support multiple environmental test chambers: Design, development, and evaluation
[DE91-004997] 10 p1507 N91-18295
BACA, THOMAS J.
Computer modeling of 12-inch actuator shock test performance
[DE90-017038] 02 p0184 N91-11033
BACA, W. E.
Capattery double layer capacitor life performance
[DE91-006639] 11 p1697 N91-19344
Tritium-field betacells
[DE91-014666] 21 p3579 N91-29910
BACH, D.
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252
BACH, H.
Segregation behaviour of rare earths under microgravity and normal gravity conditions (TEXUS 13)
23 p3839 N91-31407
BACH, RALPH E., JR.
State estimation applications in aircraft flight-data analysis: A user's manual for SMACK
[NASA-RP-1252] 11 p1647 N91-19082
BACHALO, WILLIAM D.
An experimental investigation of circulation control flow fields using holographic interferometry
[NASA-CR-166482] 13 p2080 N91-21459
BACHE, T. C.
Intelligent array system
[AD-A231107] 13 p2142 N91-21792
BACHELET, D.
Effects of UV-B and global climate change on Rice Research Plan
[PB91-109983] 09 p1361 N91-17478
BACHL, NORBERT
Isokinetic force velocity and electromyographic characteristic of knee and elbow extensor and flexor muscles in the 0-g environment
11 p1743 N91-19584
BACHMANN, KLAUS J.
Growth, characterization and device development in monocrystalline diamond films
[AD-A230186] 12 p1873 N91-20293
Growth, characterization, and device development in monocrystalline diamond films
[AD-A237463] 21 p3595 N91-30000
BACHMANN, STEVEN E.
Transverse cracking in a fiber reinforced ceramic matrix composite
[AD-A231029] 13 p2047 N91-21259
BACIS, ROGER
High resolution spectroscopy of NF and BiF
[AD-A233032] 16 p2598 N91-24397
BACK, B. B.
Proton-induced fission at ultra sub-barrier energies
[DE91-011169] 16 p2687 N91-24874
BACK, C. A.
Plasma spectroscopy simulations with the ALTAIR code
[DE91-011201] 17 p2867 N91-25862
BACK, L. H.
Spray combustion modeling and evaluation
[DE91-007923] 13 p2047 N91-21264
BACK, LLOYD H.
Spray combustion modeling and evaluation
[NASA-CR-187887] 08 p1107 N91-16078
BACKAITIS, NIDA
Readings on managing organizational quality
[AD-A224888] 03 p0426 N91-12386
BACKER, DONALD C.
Radio astronomy 24 p4119 N91-33018
BACKES, PAUL G.
Telerobot control system
[NASA-CASE-NPO-18116-1-CU]
24 p4028 N91-32509
A generalized compliant motion primitive
[NASA-CASE-NPO-18134-1-CU]
24 p4028 N91-32510
BACKHAUS, ROBERT
Plant production as part of a Controlled Ecological Life Support System (CELSS) 11 p1755 N91-19656
BACKHOUSE, ROLAND
On induced congruences
[CS-9001] 02 p0261 N91-11460
BACKOF, E.
Processes for assessing the thermal stability of HAN-based liquid propellants: Revision
[AD-A224999] 04 p0510 N91-12832
BACKUS, GEORGE E.
The scientific case for magnetic field satellites
[NASA-CR-186532] 01 p0017 N91-10101
Report of the panel on geopotential fields: Magnetic field, section 9 13 p2107 N91-21598
BACON, L. D.
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
BACON, LARRY D.
Mode-stirred chamber measurements of the shielding effectiveness of select cables and connectors
[DE91-000466] 04 p0518 N91-12879
Numerical modeling tools for transient electromagnetic problems
[DE90-010328] 08 p1124 N91-16180
Microwave coupling on printed circuit boards
[DE90-011237] 08 p1133 N91-16232
BADDELEY, A. J.
Stochastic approximation of the MLE for a spatial point pattern
[CWI-BS-R8926] 02 p0263 N91-11475
Nested Monte Carlo study of random packing on the sphere
[CWI-BS-R9023] 17 p2848 N91-25743
BADDING, MICHAEL E.
Synthesis, structure, and properties of a new intermetallic compound, Ca7Ni4Sn13
[AD-A236702] 19 p3135 N91-27321
BADDORF, A. P.
Surface anharmonicity: Temperature dependence of phonon energies on Cu(110)
[DE90-017735] 02 p0279 N91-11567
BADDOUR, R. F.
Gas solubility in glassy polymers: A correlation with excess enthalpy
[AD-A228202] 08 p1120 N91-16155
Polybutadiene chain immobilization in B-core, star-branched SB block copolymers
[AD-A236767] 19 p3142 N91-27367
BADER, R.
A study of an integrated image and inertial sensor system 17 p2734 N91-25140
BADER, S. D.
Magnetic properties of ultrathin epitaxial films of iron
[DE90-017861] 02 p0279 N91-11570
BADER, SAMUEL D.
Ultra-thin vertical magneto-optical media and system for using same
[DE90-014589] 01 p0104 N91-10603
BADERTSCHER, ERICH
Continuous Hahn polynomials of differential operator argument and analysis on Riemannian symmetric spaces of constant curvature
[CWI-AM-R9015] 10 p1582 N91-18716
BADGLEY, PATRICK
Uncooled two-stroke gas engine for heat pump drive
[DE91-005482] 10 p1539 N91-18471
BADINELLI, MARTIN
Comparison of 14 decibels versus 20 decibels desired to undesired signal protection ratios
[DOT/FAA/CT-TN89/69] 13 p2148 N91-21833
Evaluation of external filters in reducing type B1 and B2 FM broadcast interference to VHF communications avionics receivers
[DOT/FAA/CT-TN91/16] 19 p3146 N91-27389
BADLANI, AJAY
Monolith catalysts for closed-cycle carbon dioxide lasers
[NASA-CR-188726] 22 p3681 N91-30500
BADO, P.
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility
[DE91-001685] 05 p0665 N91-13698
BADRUZZAMAN, A.
Stability analysis of time-dependent transport algorithms
[DE91-009170] 13 p2134 N91-21750
BAE, GUN-WOONG
Robust impedance control of robot manipulators
23 p3818 N91-31297
BAE, I.
Investigation of phenomena related to D2O electrolysis at a palladium cathode
[AD-A236409] 19 p3126 N91-27272
In-situ spectroscopic studies of redox active self-assembled monolayers on gold electrode surfaces
[AD-A235564] 19 p3157 N91-27452
BAE, YOUNG K.
Ionic solid hydrogen fuel: Production and properties of hydrogen ion and energetic neutral clusters
[AD-A227683] 08 p1123 N91-16172
Ionic solid hydrogen fuel: Experimental investigation of cluster-impact fusion
[AD-A232642] 15 p2409 N91-23336
BAECHLER, M. C.
Implications of environmental externalities assessments for solar thermal powerplants
[DE91-010198] 16 p2652 N91-24679
BAECKLIN, LEIF
The MISU baseline station
[AA-2] 22 p3703 N91-30611
BAEDE, A. P. M.
Impact of SASS wind data on analyses and forecasts of a fine mesh limited area model
[BCRS-89-38] 01 p0093 N91-10544
BAEDER, J. D.
Flowfield of a lifting hovering rotor: A Navier-Stokes simulation
[NASA-TM-102862] 07 p0936 N91-15128
Euler solutions to nonlinear acoustics of non-lifting hovering rotor blades
[NASA-TM-103837] 11 p1791 N91-19826
BAEK, WOON KYUNG
Computational life prediction methodology for mechanical systems using dynamic simulation, finite element analysis, and fatigue life prediction methods
15 p2436 N91-23494
BAEK, YOON SU
Kinematic analysis of legged system locomotion on smooth horizontal surfaces 20 p3355 N91-28586

BAER, D. R.
A LEED study of the MgO(001) surface structure
[DE91-002811] 06 p0883 N91-14879
BAER, H. W.
Single- and double-charge exchange at low pion energies
[DE91-017829] 24 p4099 N91-32901
BAER, PAUL G.
The effects of composition variation and nitric acid on the stability and reactivity of the HAN-based liquid propellants
[AD-A231502] 14 p2253 N91-22462
BAER, T.
PEPICO studies of ion dissociations: The structure and heats of formation of ions, molecules, and free radicals
[DE91-010742] 17 p2861 N91-25823
BAETEN, J. C. M.
Process algebra with a zero object
[CWI-CS-R9028-REV] 10 p1581 N91-18709
BAEUERLE, A.
Morphological, electronmicroscopical and biochemical aspects of hyper-gravity conditions during early ontogenetic development of Cichlid fish
11 p1752 N91-19638
BAEUERLE, REINHOLD
Remote sensing applications in the framework of the cooperation with developing countries
04 p0540 N91-12994
BAEUMER, K.
Does gravity play a role in the morphological development and function of the gravity sensory organ of vertebrates. DLR contribution to the D-2 project graviperception and neuronal plasticity, its technical realization and experimental execution
11 p1752 N91-19635
BAEZ, ANASTACIO N.
Description of the control system design for the SSF PMAD DC testbed
[NASA-TM-105202] 22 p3641 N91-30266
BAFFES, PAUL
System and method for a general purpose architecture for intelligent computer-aided training
[NASA-CASE-MSC-21381-1] 05 p0707 N91-13944
BAFFES, PAUL THOMAS
Method of up-front load balancing for local memory parallel processors
[NASA-CASE-MSC-21348-1] 06 p0863 N91-14769
BAGCHI, ARUNABHA
Modeling and feedback control of a flexible arm for prescribed frequency-domain tolerances
[MEMO-868] 04 p0571 N91-13167
Direct modeling of white noise in stochastic systems
[MEMO-865] 05 p0711 N91-13964
Parameter identification for two-point boundary value processes
[MEMO-917] 23 p3921 N91-31909
BAGCHI, S.
On the optimality of a new class of adjusted orthogonal designs
[MEMO-COSOR-89-34] 07 p1057 N91-15809
BAGGER, J.
W(sub L)W(sub L) scattering at the SSC
[DE91-008442] 11 p1796 N91-19851
BAGGERUD, C.
Plant protoplast development on Biokosmos 9
11 p1758 N91-19674
BAGINSKI, THOMAS A.
RF and DC desensitized electroexplosive device
[AD-D014886] 19 p3143 N91-27373
BAGLEY, R. J.
Spontaneous emergence of a metabolism
[DE91-013684] 20 p3378 N91-28714
BAGLIO, J.
Nucleation and growth of diamond on Si, Cu and Au substrates
[AD-A231044] 13 p2161 N91-21918
BAGNARA, SEBASTIANO
On-line assistance in flight simulation
[ETN-91-99772] 22 p3624 N91-30164
BAGNUOLO, WILLIAM G., JR.
Tomographic separation of composite spectra. The components of Plaskett's Star
[NASA-CR-184665] 19 p3263 N91-28050
BAGUENA, L.
Digital ASIC design for space applications
24 p3991 N91-32300
BAGUS, PAUL
Covalent and ionic contributions to the bonding of atomic and molecular adsorbates on metal surfaces: A cluster model approach
[AD-A229947] 12 p1976 N91-20868
BAHAR, EZEKIEL
Scattering and depolarization by rough terrain and sea: A unified full wave approach
[AD-A228295] 08 p1128 N91-16201
Utilization or reduction of the effects of sea clutter for real and synthetic aperture polarimetric radars
22 p3660 N91-30376
BAHAT, ERAN
A development environment for the PSPC programming language
[ITN-90-85054] 07 p1041 N91-15711
BAHCALL, JOHN N.
Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
BAHCALL, NETA A.
Policy opportunities 24 p4120 N91-33029
BAHDER, SHARI A.
Developing a user-interface-evaluation tool for space-station-era applications 14 p2221 N91-22282
BAHEI-EL-DIN, Y. A.
Analysis of thermomechanical fatigue of unidirectional titanium metal matrix composites
[NASA-TM-104105] 23 p3884 N91-31677
BAHR, BEHNAM
Design of a wall-scaling robot for inspection and maintenance
[NIAR-90-22] 07 p1012 N91-15557
Automated inspection system for aging aircraft
10 p1453 N91-18009
Four-legged surface-climbing robot for the inspection of aging aircraft 10 p1453 N91-18010
Neural networks in flaw detection
10 p1454 N91-18011
Evaluation of automation for inspection of aging aircraft 16 p2543 N91-24088
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
Feasibility study in crack detection in aircraft stiffened panels by pulse probing and deconvolution
16 p2554 N91-24158
The effect of surface generated scratches on the fatigue life of aerospace materials 16 p2554 N91-24159
Mechanical paint removal techniques for composite aircraft 16 p2555 N91-24163
Design and analysis surface-climbing robot
[NIAR-91-19] 17 p2783 N91-25401
BAHR, G. K.
Space vehicle propulsion systems: Environmental space hazards
[NASA-CR-188094] 13 p2043 N91-21236
BAHRI, Z.
Optimal phase-only filters
[AD-A225312] 03 p0360 N91-12019
BAI, G.
Tilt grain boundaries in YBa2Cu3O(7-x) thin films
[DE91-006088] 09 p1414 N91-17786
BAI, J.
N-triazolyboranes
[AD-A224893] 03 p0347 N91-11940
Preparation of unsymmetrically B-substituted borazines and characterization of tris(4,6-diethylborazin-2-yl)amine
[AD-A235571] 19 p3123 N91-27254
BAI, T.
Investigation of the combustion of liquid fuels in Rijke type pulse combustors
[DE90-012490] 21 p3493 N91-29381
BAIER, PAUL WALTER
Wide band systems 24 p3982 N91-32242
BAIK, JONG-JIN
Tropical cyclone simulations with the Betts convective adjustment scheme 02 p0240 N91-11338
BAILEY, A.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
BAILEY, B.
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States
[PB91-100164] 09 p1358 N91-17464
BAILEY, F. RON
NASA's supercomputing experience
[NASA-TM-102890] 06 p0856 N91-14727
BAILEY, H. H.
Suggested modifications to optical sensor algorithms in JANUS
[AD-A235592] 19 p3219 N91-27791
BAILEY, J. E.
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
Visible spectroscopy diagnostics of light-ion beams
[DE91-017450] 24 p4100 N91-32908
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
BAILEY, J. L.
Use of a zone model for validation of a horizontal ceiling/floor vent algorithm
[AD-A234553] 18 p2983 N91-26474
BAILEY, J. M.
Design and performance of an axial air-gap solution pump motor
[DE91-009988] 16 p2621 N91-24516
BAILEY, JAMES W.
Ignitability test method and apparatus
[NASA-CASE-LAR-14454-1] 24 p3973 N91-32196
BAILEY, M. L.
Flight test results of failure detection and isolation algorithms for a redundant strapdown inertial measurement unit 04 p0486 N91-12701
BAILEY, MELVIN L.
Candidate control design metrics for an agile fighter
[NASA-TM-4238] 10 p1473 N91-18115
BAILEY, MICHAEL P.
Minimization on stochastic matroids
[AD-A227413] 06 p0868 N91-14799
Maximization on matroids with random weights
[AD-A233978] 18 p3053 N91-26858
BAILEY, P. L.
Revised reference model for nitric acid
19 p3190 N91-27638
BAILEY, R. E.
Interaction of feel system and flight control system dynamics on lateral flying qualities
[NASA-CR-179445] 06 p0785 N91-14353
BAILEY, RANDALL E.
The flying qualities influence of delay in the fighter pilot's cuing environment 15 p2371 N91-23120
BAILEY, RICHARD
Extreme temperature strain measurement system
[AD-A229802] 12 p1914 N91-20526
BAILEY, ROBERT W.
Resolved rate and torque control schemes for large scale space based kinematically redundant manipulators
12 p1934 N91-20642
BAILEY, ROGER M.
Effect of shaping sensor data on pilot response
[NASA-TM-102737] 07 p0943 N91-15173
BAILEY, SHEILA G.
Design strategies for the International Space University's variable gravity research facility
14 p2204 N91-22171
Grooved surfaces on InP 22 p3632 N91-30208
The International Space University's variable gravity research facility design
[NASA-TM-105224] 23 p3800 N91-31196
Advanced power systems for EOS
[NASA-TM-105222] 23 p3804 N91-31217
BAILEY, STEPHEN
A GNM mission and system design proposal
06 p0789 N91-14364
BAILEY, WILLIAM J.
Cryogenic Orbital Nitrogen Experiment (CONE): Phase A/B design study
[NASA-CR-187230] 24 p3968 N91-32166
BAILIN, L. J.
Formulation of a product containing the multifunctional corrosion inhibitor system DNBM
[AD-A227524] 09 p1311 N91-17198
BAILLEUX, P.
Special design and gauging of anemoclinometric sondes
[IMFL-90/03] 23 p3873 N91-31604
BAILLIE, S.
Decision-height windows for decelerating approaches in helicopters: Pilot/vehicle factors and limitations
[DOT/FAA/CT-90/14] 19 p3103 N91-27145
BAILLIE, S. W.
An investigation into the use of side-arm control for civil rotorcraft applications 15 p2372 N91-23123
Determination of decision-height windows for decelerating IMC approaches in helicopters
15 p2372 N91-23124
An investigation into the use of side-arm control for civil rotorcraft applications
[AD-A226628] 21 p3460 N91-29190
BAILLIEU, J.
The nonlinear control theory of complex mechanical systems
[AD-A229474] 22 p3683 N91-30509
BAILLIEUL, JOHN
Sensor based control of robotic mechanisms
[AD-A226784] 06 p0864 N91-14776
BAILLON, J.-B.
A variational formula for branching random walk in random environment
[REPT-90-60] 10 p1587 N91-18749

BAIN, ADDISON
An assessment of the government liquid hydrogen requirements for the 1995-2005 time frame including addendum, liquid hydrogen production and commercial demand in the United States
[NASA-TM-103812] 08 p1122 N91-16166
An assessment of the government liquid hydrogen requirements for the 1995-2005 time frame
08 p1122 N91-16167

BAIN, B.
Heat strain and work tolerance times with varying levels of Canadian Forces NBC protective clothing, ambient temperature, physical work intensity, and work/rest schedules
[AD-A232653] 15 p2478 N91-23720
Effectiveness of ice-vest cooling in prolonging work tolerance time during heavy exercise in the heat for personnel wearing Canadian forces chemical defence ensembles
[AD-A235273] 18 p3036 N91-26758

BAINES, C.
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300

BAINUM, PETER M.
Maneuver simulations of flexible spacecraft by solving TPBVP 14 p2229 N91-22328

BAIR, CLAYTON H.
Birefringent filter design
[NASA-CASE-LAR-13887-1] 15 p2432 N91-23472
Development of flashlamp-pumped Q-switched Ho:Tm:Cr:YAG lasers for mid-infrared LIDAR application
19 p3276 N91-28120

BAIR, R. A.
Graphical user interfaces in computational chemistry
[DE91-009116] 13 p2048 N91-21267

BAIR, SCOTT
High shear stress rheology of liquid lubricants
15 p2403 N91-23309

BAIR, W. J.
Revision of the ICRP dosimetric model for the human respiratory tract
[DE91-005086] 10 p1562 N91-18594

BAIRD, D. C.
Physics and applications of low temperature superconductivity 05 p0722 N91-14032

BAIRD, D. G.
Thermoforming of in-situ reinforced thermoplastic composites
[AD-A232816] 15 p2407 N91-23329
Generation of continuous liquid crystalline polymer reinforcements in thermoplastics by a novel blending process
[AD-A232824] 15 p2407 N91-23330
Processing studies of blends of polypropylene with liquid crystalline polymers
[AD-A232961] 16 p2605 N91-24435
The formation of novel thermoplastic composites from liquid crystalline polymers and their blends
[AD-A239546] 23 p3808 N91-31244

BAIRD, JAMES K.
Chemical waste disposal in space by plasma discharge
[NASA-CR-184169] 21 p3552 N91-29737

BAIRSTOW, R.
A programmable electronic microplex driver unit for readout of silicon strip detectors
[RAL-90-063] 07 p1039 N91-15699

BAISCH, FRIEDHELM
Medex: A useful tool for counteracting orthostatic intolerance resulting from body fluid loss under microgravity 11 p1743 N91-19585
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans
11 p1744 N91-19592
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598

BAITY, F. W.
The effect of realistic antenna geometries on plasma loading predictions
[DE91-010782] 15 p2411 N91-23353

BAJAJ, A. K.
Vibration dynamics and control of bladed disk assemblies
[AD-A236287] 19 p3180 N91-27586

BAJAJ, KRISHAN K.
Growth studies of CVD-MBE by in-situ diagnostics
[AD-A224661] 03 p0422 N91-12358
Magneto-optical properties of quantum wells with arbitrary potential profiles
[AD-A232037] 15 p2508 N91-23897
Spatial light modulators with arbitrary quantum well profiles
[AD-A238149] 22 p3759 N91-30955

BAJCSY, R.
Image wavelet decomposition and applications
[NASA-CR-188217] 15 p2490 N91-23787

BAJURA, MIKE
Supercomputing power for interactive visualization
[AD-A236717] 19 p3230 N91-27858

BAK, KELD L.
Geometrical linear responses and directional energy derivatives for energetically degenerate MCSCF electronic functions
[AD-A236074] 19 p3158 N91-27457

BAK, MICHAEL
Prediction of edge stresses in layered media using the surface integral-finite element technique
21 p3531 N91-29614

BAKALYAR, STEPHEN M.
Testing of a model to estimate vapor concentration of various organic chemicals
[AD-A224956] 09 p1357 N91-17458

BAKASOV, A. A.
Stability theory of critical cases and the bifurcation points of the stationary solutions of the Lorenz model
[DE91-617575] 20 p3393 N91-28802

BAKER-JARVIS, J.
Transmission/reflection and short-circuit line permittivity measurements
[PB91-171959] 20 p3337 N91-28482

BAKER, ANTHONY P.
GPS Block 2R Time Standard Assembly (TSA) architecture 17 p2854 N91-25781

BAKER, BRADLEY AARON
Studies in cloud physics: Electrification, glaciation, and turbulence 20 p3372 N91-28684

BAKER, C. B.
The international sodar intercomparison experiment
[PB90-246224] 01 p0069 N91-10416

BAKER, C. F.
Investigation into the effect of heat treatment on the thermal conductivity of 3-D carbon/carbon fiber composites
[DE91-010388] 18 p2944 N91-26240

BAKER, C. R.
Information capacity of the matched Gaussian channel with jamming. Part 2: Infinite-dimensional channels
[AD-A236847] 19 p3153 N91-27432

BAKER, CAROLYN G.
A failure management prototype: DR/Rx
12 p1942 N91-20684
A failure diagnosis and impact assessment prototype for Space Station Freedom 14 p2313 N91-22777

BAKER, CHARLES K.
Electrochemically induced charge and mass transport in polypyrrole/poly(styrene sulfonate) molecular composites
[AD-A234599] 18 p2963 N91-26354

BAKER, CLIFFORD
Hypermedia and intelligent tutoring applications in a mission operations environment
13 p2166 N91-21948
Lessons learned in the development of the STOL intelligent tutoring system 14 p2317 N91-22795

BAKER, D.
Simulation studies of diesel engine performance with oxygen enriched air and water emulsified fuels
[DE91-006053] 09 p1348 N91-17404

BAKER, D. A.
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778

BAKER, D. R.
Fibre-matrix reaction zones in model silicon carbide-titanium aluminide metal-matrix composites
[PNR-90713] 01 p0023 N91-10137

BAKER, DANIEL N.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960

BAKER, DAVID
Humans to Mars in 1999 20 p3298 N91-28237

BAKER, DAVID B.
Novel measurements of nuclear spin cross-relaxation in metal hydrides
[DE90-018042] 02 p0268 N91-11503

BAKER, DONALD J.
Mechanical property characterization and impact resistance of selected graphite/PEEK composite materials
[NASA-TM-102769] 16 p2588 N91-24343

BAKER, DOUGLAS ALAN
Evaluation of performance and feedback control design for vehicle suspensions with variable compliance elements 06 p0832 N91-14601

BAKER, EVA L.
Benchmarking text understanding systems to human performance: An exploration
[AD-A233306] 16 p2664 N91-24741
Natural language sourcebook
[AD-A233005] 16 p2668 N91-24765
Artificial intelligence measurement system, overview and lessons learned
[AD-A233253] 16 p2676 N91-24810
The evaluation of expert system shells
[AD-A233496] 16 p2676 N91-24812
Perspectives on technology assessment
[AD-A232918] 16 p2700 N91-24953
Proceedings of the Conference on Technology Assessment: Estimating the Future
[AD-A233528] 16 p2700 N91-24954

BAKER, G. L.
Molecular dynamics simulation of substituted polyacetylenes
[AD-A235853] 19 p3242 N91-27928
Subgap absorption in conjugated polymers
[DE91-012655] 20 p3324 N91-28402
Measurements of photo-induced changes in conjugated polymers
[DE91-013262] 20 p3328 N91-28427

BAKER, GEORGE R.
Excimer laser interaction with dentin of the human tooth 19 p3267 N91-28067

BAKER, GERALD R.
Mathematical models for film sensitivity measurements
19 p3268 N91-28076

BAKER, I.
The Hall-Petch relationship and mechanisms of fracture in B2 compounds
[DE91-010256] 17 p2759 N91-25273

BAKER, IAN
TEM in-situ straining of B2 compounds
[DE91-012062] 18 p2958 N91-26322
The examination of dislocations in ice
[AD-A233716] 18 p3003 N91-26586

BAKER, J. E.
Spread spectrum random access schemes
[AD-A230303] 12 p1882 N91-20345

BAKER, J. H.
Thin steel section casting on a near-horizontal twin-belt caster
[DE91-001883] 06 p0816 N91-14505

BAKER, J. T.
Responses of women to orthostatic and exercise stresses
[NASA-TP-3043] 11 p1765 N91-19711

BAKER, JOHN A.
Counterdoped high temperature, silicon array infrared detector
[AD-A238483] 21 p3519 N91-29546

BAKER, KARL W.
Solar thermal energy receiver
[NASA-CASE-LEW-14949-1] 15 p2457 N91-23617

BAKER, LEONARD H.
Antenna radome sample test report
[DOT/FAA/CT-TN90/50] 07 p0996 N91-15470
Solid-State Radar Beacon Decoder (SSRBD) Master Test Plan (MTP)
[DOT/FAA/CT-TN91/33] 23 p3855 N91-31494

BAKER, M. B.
Simulations and observations of cloudtop processes
01 p0084 N91-10496

BAKER, M. K.
Altimeter processing tools for analyzing mesoscale ocean features
[AD-A231904] 14 p2292 N91-22677

BAKER, MILES
Design of a scientific probe for obtaining Mars surface material
[NASA-CR-186672] 02 p0293 N91-11641

BAKER, NATHANIEL R.
A highly efficient engineering tool for three-dimensional scramjet flowfield and heat transfer computations
13 p2017 N91-21098

BAKER, PHILLIP C.
X ray imaging microscope for cancer research
14 p2356 N91-23030

BAKER, S. P.
Automated verification of system configuration
[DE91-012520] 20 p3337 N91-28481

BAKER, S. R.
Airliner cabin environment: Contaminant measurements, health risks, and mitigation options
[PB91-159384] 18 p3034 N91-26746

BAKER, V. R.
Water resources and hydrology of Mars
17 p2910 N91-26065

BAKER, VICTOR R.
Ancient oceans and Martian paleohydrology
11 p1820 N91-19997

BAKER, W. L.
Simulation of landscape disturbances and the effect of climatic change
[DE91-010191] 16 p2655 N91-24692

BAKHLE, MILIND A.
Cascade flutter analysis with transient response aerodynamics
[NASA-TM-103746] 11 p1721 N91-19475
BAKKEN, PETTER
SAW technology for multicarrier demodulation in advanced payloads 13 p2030 N91-21164
BAKKER, DICK M.
Gradient projection for nonparametric maximum likelihood estimation with interval censored data
[CWI-BS-R9027] 17 p2848 N91-25744
BAKKER, ERWIN M.
Prefix routing schemes in dynamic networks
[RUU-CS-90-10] 04 p0568 N91-13154
Perfect colorings
[RUU-CS-90-35] 23 p3910 N91-31831
BAKKER, H. C.
The usefulness of MSS pictures for mapping and biomass estimation of macro-algae and seaweed in the Eastern Scheldt
[BCRS-90-09] 08 p1168 N91-16428
BAKKER, MIENTE
At last an ISO/ISO C binding of GKS
[CWI-CS-R9022] 17 p2832 N91-25649
BAKKER, R. R.
Knowledge-based diagnosis of technical systems
[MEMO-INF-91-17] 22 p3743 N91-30853
BAKO, BABOU
Implementation and simulation of the manufacturing systems control coordination level: A mixed approach of Petri nets and rule-based systems
[LAAS-90355] 08 p1208 N91-16645
BAKTASH, C.
Study of spin-temperature effects using energy-ordered continuum gamma ray spectroscopy technique
[DE91-002854] 06 p0872 N91-14818
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899
BAKUCKAS, JOHN G., JR.
Damage progression during static and fatigue loading in metal matrix composites, volumes 1-3
20 p3306 N91-28301
BALACHANDAR, S.
Probability distribution functions in turbulent convection
[NASA-CR-187519] 13 p2079 N91-21453
BALACHANDRAN, A. P.
Research program in elementary particle theory
[DE90-017284] 02 p0267 N91-11497
Research program in elementary particle theory (task A)
[DE91-016937] 24 p4098 N91-32895
BALACHANDRAN, BALAKUMAR
A theoretical and experimental study of modal interactions in resonantly forced structures
22 p3691 N91-30551
BALACHANDRAN, U.
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
High Tc oxide solid state reaction kinetics via complex impedance spectroscopy
[DE90-011178] 08 p1232 N91-16792
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796
Thermomechanical processing of YBa2Cu3O(x)/Ag sheathed wires
[DE91-006548] 09 p1417 N91-17799
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
Atmosphere control during preparation of YBa2 Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
Preparation and characterization of YBa2Cu4O8 superconductor
[DE91-010596] 17 p2872 N91-25885
Superconducting films made by spin-coating of acetate solutions
[DE91-011119] 17 p2872 N91-25888
Preparation of YBa2Cu3O(x) superconductor via ternary precursors
[DE91-011121] 17 p2873 N91-25890
Formation of intermediate compounds during reduced pressure calcination of Y-Ba-Cu-O precursor
[DE91-011179] 18 p3071 N91-26971
Defects in decomposed YBa2Cu4O8 (124) superconductor after rapid annealing
[DE91-010597] 18 p3072 N91-26979
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
BALAKRISHNA, S.
Dynamic wind tunnel testing of a flexible wing model
[NAL-PD-FC-9010] 10 p1473 N91-18119
Graphic display of cockpit instruments for flight simulation
[NAL-PD-FC-9111] 22 p3620 N91-30137
BALAKRISHNAN, A. V.
Combined structures-controls optimization of lattice trusses 14 p2228 N91-22323
BALAKUMAR, P.
On a class of unsteady three-dimensional Navier Stokes solutions relevant to rotating disc flows: Threshold amplitudes and finite time singularities
[NASA-CR-187482] 08 p1091 N91-15991
On the receptivity and non-parallel stability of travelling disturbances in rotating disk flow
[NASA-CR-187486] 08 p1092 N91-15996
BALANDINA, T. N.
Biochemical aspects of human adaptation to combined effect of antiorthostasis, decreased barometric pressure, and increased oxygen content 18 p3024 N91-26694
BALANIS, CONSTANTINE A.
Advanced electromagnetic methods for aerospace vehicles
[NASA-CR-187721] 07 p0994 N91-15453
High-frequency techniques for RCS prediction of plate geometries
[NASA-CR-187865] 08 p1130 N91-16212
High-frequency techniques for RCS prediction of plate geometries
[NASA-CR-188685] 19 p3155 N91-27440
Antenna pattern control using impedance surfaces
[NASA-CR-188801] 22 p3666 N91-30410
BALAS, EGON
Linear-time separation algorithms for the three-index assignment polytope
[AD-A228854] 08 p1205 N91-16626
Mathematical programming and logical inference
[AD-A232955] 16 p2668 N91-24764
BALAS, GARY JOHN
Robust control of flexible structures: Theory and experiments 09 p1297 N91-17119
BALASHOV, N. S.
Intracavity second-harmonic generation by laser with optical delay line and mode locking
11 p1788 N91-19808
BALBONI, EDMUND
Advanced ECCM techniques for GPS processing
16 p2615 N91-24478
BALBUS, STEVEN A.
Radiative thermal conduction fronts
05 p0747 N91-14162
BALCELLS, M.
The kinematics and morphology of NGC 520: One, two, or three galaxies 08 p1255 N91-16908
BALCH, KRIS S.
Solid state electronic emulator of a multiple track motor driven rotating magnetic memory
[AD-D014705] 11 p1714 N91-19437
BALDAUF, J.
Physical optics for oven-plate scattering prediction
[NASA-CR-187140] 22 p3667 N91-30418
BALDESCHWIELER, JOHN D.
Electron tunneling microscopy
[AD-A237504] 21 p3596 N91-30003
BALDETTI, P.
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389
Design of a He4 cooling system for a cryostat working at 1K
[IFSI-89-17] 06 p0815 N91-14502
BALDETTI, PAOLO
Design of a mechanical modulator for the planetary Fourier spectrometer experiment of the MARS 94 mission
[IFSI-89-22] 05 p0669 N91-13717
BALDIS, H. A.
UV Thomson scattering from x ray laser plasmas
[DE91-007347] 11 p1802 N91-19895
BALDO, P. M.
An ion-channeling study of irradiation-induced amorphization of YBa2Cu3O(7-x)
[DE91-004488] 06 p0884 N91-14894
Ion-channeling study of anomalous atomic displacements at the superconducting transition in high-Tc materials
[DE91-004408] 07 p1073 N91-15904
BALDUS, A.
CuInSe2 monocrystal growth
14 p2334 N91-22898
BALDWIN, A. R.
Feasibility study of a 200 ampere battery
[DE91-014673] 20 p3339 N91-28496
BALDWIN, BARRETT S.
A one-equation turbulence transport model for high Reynolds number wall-bounded flows
[NASA-TM-102847] 01 p0043 N91-10252
BALDWIN, D. E.
Establishment of an Institute for Fusion Studies
[DE91-014922] 21 p3588 N91-29956
BALDWIN, G. T.
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
BALDWIN, R.
Some recent studies with the solid-ionomer electrochemical capacitor 24 p4038 N91-32562
BALDWIN, R. E.
Measurements of some parameters of thermal sparks with respect to their ability to ignite aviation fuel/air mixtures 24 p4064 N91-32705
BALDWIN, R. H.
Fabrication and mechanical properties of Fe3Al-based iron aluminides
[DE91-001001] 04 p0505 N91-12802
Properties of large heats of Fe3Al-based alloys
[DE91-013268] 20 p3317 N91-28359
Mechanical properties of Fe3Al-based alloys
[DE91-015322] 21 p3483 N91-29324
The P/M processing and applications of Fe3Al-based intermetallics
[DE91-015309] 22 p3651 N91-30317
BALDWIN, R. T.
Geodynamics branch data base for main magnetic field analysis
[NASA-TM-104542] 13 p2117 N91-21653
Geomagnetic model investigations for 1980 - 1989: A model for strategic defense initiative particle beam experiments and a study in the effects of data types and observatory bias solutions
[NASA-TM-104541] 13 p2117 N91-21654
BALEBANOV, V. M.
The possibility of making fast measurements of ion distribution functions 01 p0072 N91-10438
BALEMANS, W. J. M.
Predesign of an experimental (5-10 MWt) disk MHD facility and prospects of commercial (1000 MWt) MHD/steam systems
[EUT-90-E-243] 22 p3757 N91-30945
BALES, BARNEY L.
Spin-Label-Spin-Probe. Studies of bimolecular encounters in micelles
[AD-A238546] 21 p3576 N91-29891
BALES, THOMAS T.
Test of superplastically formed corrugated aluminum compression specimens with beaded webs
[NASA-TM-104119] 20 p3319 N91-28373
BALICK, L. K.
The in-flight calibration of a helicopter-mounted Daedalus multispectral scanner
[DE91-013054] 20 p3286 N91-28170
BALIKHIN, M. A.
Plasma wave measurements on the dayside: Scale sizes and observational requirements
01 p0070 N91-10426
BALIUNAS, SALLIE
Studies of solar type stars 03 p0439 N91-12457
Trends in solar variability 03 p0442 N91-12472
BALKO, B. A.
Hot atom reactive scattering and photodissociation experiments with acetylene and ethylene
[DE91-013755] 21 p3473 N91-29264
BALL, D. G.
Reliable, high repetition rate thyratron grid driver used with a magnetic modulator
[DE91-016558] 24 p4008 N91-32413
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482
BALL, DAVID W.
Matrix isolation as a tool for studying interstellar chemical reactions 06 p0897 N91-14956
BALL, ROGER
Spatial analysis of IRAS observations of nearby spirals
05 p0741 N91-14133

BALL, WILLIAM
Goal reconstruction: How teton blends situated action and planned action
[AD-A225578] 04 p0569 N91-13159
Explanation-based learning of correctness: Towards a model of the self-explanation effect
[AD-A225644] 07 p1054 N91-15791
BALLANCE, JOAN B.
Chemistry and defects in semiconductor heterostructures, volume 148
[AD-A229585] 22 p3758 N91-30949
Growth, characterization and properties of ultrathin magnetic films and multilayers, volume 151
[AD-A229586] 22 p3758 N91-30950
Properties of II-VI semiconductors: Bulk crystals, epitaxial films, quantum well structures, and dilute magnetic systems, volume 161
[AD-A229589] 22 p3759 N91-30951
Impurities, defects and diffusion in semiconductors: Bulk and layered structures, volume 163
[AD-A229590] 22 p3759 N91-30952
BALLANCE, JOHN B.
High temperature ordered intermetallic alloys
[AD-A232769] 15 p2403 N91-23308
BALLATO, ARTHUR
Lithium tetraborate transducer cuts
[AD-A226028] 04 p0519 N91-12889
Evaluation of acceleration-induced phase noise in surface acoustic wave devices
[AD-A226027] 04 p0579 N91-13226
Numerical analysis of composite dielectrics: Preliminary results for two dimensions
[AD-A231519] 14 p2239 N91-22386
Equivalent circuits for resonators and transducers driven piezoelectrically
[AD-A231520] 14 p2259 N91-22498
BALLENTINE, CHARLES S.
Glare and age: Acquisition of a clinical data base for aircrew standards
[AD-A229237] 09 p1372 N91-17541
BALLESIO, M.
IRIS spin and deployment test
07 p0956 N91-15261
BALLINGALL, J. M.
Pseudomorphic InGaAs materials
[AD-A226895] 06 p0880 N91-14864
BALLINGER, C. T.
Response matrix Monte Carlo based on a general geometry local calculation for electron transport
[DE91-007638] 11 p1785 N91-19794
Single-scatter Monte Carlo compared to condensed history results for low energy electrons
[DE91-015176] 21 p3573 N91-29869
BALLINGER, CLINTON T.
Response matrix Monte Carlo for electron transport
[DE91-006248] 09 p1397 N91-17686
BALLINGER, ROBERT STAFFORD
Finite element analysis of frictional damping forces in structural joints subjected to flexural vibration
17 p2789 N91-25431
BALLUFFI, R. W.
Ground boundaries
[DE91-004027] 06 p0883 N91-14880
Effect of grain boundary structure on grain boundary diffusivities in the Au/Ag system
[DE91-005785] 09 p1413 N91-17780
Grain boundaries
[DE91-007932] 13 p2159 N91-21905
BALLY, JOHN
Infrared astronomy 24 p4119 N91-33019
BALMAIN, K. G.
Magnetoplasma sheath waves on a conducting tether in the ionosphere with applications to EMI propagation on large space structures 12 p1949 N91-20723
BALOGH, A.
Configurational sensitivity of multipoint magnetic field measurements 01 p0070 N91-10421
BALOOCH, M.
Cluster formation in laser-induced ablation and evaporation of solids observed by laser ionization time-of-flight mass spectrometry and scanning tunneling microscopy
[DE90-010876] 08 p1152 N91-16344
Scanning tunneling microscopy of reactive sites: Gasification of graphite by oxygen and hydrogen
[DE91-008569] 13 p2049 N91-21274
In-situ scanned probe studies on site specificity of laser surface damage of graphite, sapphire, and multilayer coatings
[DE91-008568] 14 p2269 N91-22555
The surface morphology of as-deposited and laser-damaged dielectric mirror coatings studied in situ by atomic force microscopy
[DE91-016571] 24 p4101 N91-32917
BALS, TERESA
Weather radar technology development
[AD-A233071] 16 p2659 N91-24715
BALSARA, DINSHAW S.
Dynamical experiments on models of colliding disk galaxies 08 p1264 N91-16959
Asymmetries in extragalactic radio sources
24 p4124 N91-33050
BALSIGER, H.
Ion dynamics in the plasma mantle
[IFSI-89-20] 02 p0276 N91-11550
BALSTERS, HERMAN
Sets and constraints in an object-oriented data model
[REPT-91-11] 22 p3731 N91-30775
A formal theory of sets in object-oriented contexts (extended abstract)
[MEMO-INF-90-74] 22 p3746 N91-30875
Inheritance in an object-oriented data model
[MEMO-INF-90-77] 22 p3746 N91-30876
BALUJA, S.
The apGA: An Adaptive Parallel Genetic Algorithm
[DE91-009559] 20 p3383 N91-28741
BALUT, STEPHEN J.
Trends in a sample of defense aircraft contractors' costs
[AD-A225663] 04 p0463 N91-12587
Estimating fixed and variable costs of airframe manufacturers
[AD-A232661] 15 p2363 N91-23077
BALWALLY, NANDAKUMAR M.
Forecasting digital microcircuit obsolescence
[AD-A234573] 18 p2979 N91-26451
BALYASNIKOV, BORIS N.
The national- and international-wide prospects of future improvements of position location and time synchronization systems and aids
17 p2858 N91-25800
BALZAROTTI, G.
Evaluation of the optimal homing point for missile guidance 17 p2733 N91-25135
BAMBERGER, ERIC N.
Surface fatigue life of M50NiL and AISI 9310 spur gears and R C bars
[NASA-TM-104496] 19 p3177 N91-27569
BAMBERGER, J. A.
Rotary absorption heat pump sensitivity analysis
[DE90-010006] 08 p1137 N91-16256
A power beaming based infrastructure for space power
[DE91-017533] 24 p3968 N91-32169
BAMBERGER, JUDITH ANN
Exploration mission enhancements possible with power beaming
[DE91-006718] 10 p1483 N91-18176
An integrated mission approach to the space exploration initiative will ensure success
[DE91-006721] 10 p1484 N91-18177
BAMBERGER, JUDY
DARK technology transition plan
[AD-A226695] 06 p0859 N91-14744
Kernal facilities definition, Kernel version 3.0
[AD-A228027] 08 p1202 N91-16610
STARS/Users Workshop: Issues for discussion groups
[AD-A235776] 19 p3221 N91-27806
BANAN, MOHSEN
A novel approach to determine the heat transfer coefficient in directional solidification furnaces
[NASA-CR-187648] 06 p0884 N91-14885
Directional solidification of Pb-Sn eutectics with vibration
[NASA-CR-187942] 12 p1868 N91-20264
Results of compositional and microstructural analyses of solidified ingots 14 p2245 N91-22420
Directional solidification of Pb-Sn eutectic with vibration 14 p2245 N91-22421
BANCROFT, GORDON V.
FAST: A multi-processed environment for visualization of computational fluid 14 p2355 N91-23024
BANDA, CAROLYN
Army-NASA aircrew/aircraft integration program (A3I) software detailed design document, phase 3
[NASA-CR-177557] 11 p1771 N91-19714
BANDERA, CESAR
Foveal machine vision systems
[AD-A226274] 04 p0554 N91-13074
BANDI, REDDY
Automated assembly in space
19 p3273 N91-28106
BANDO, TOSHIO
Configuration, function and performance of the flight simulation test facility and its motion simulation system
[NAL-TM-575] 01 p0013 N91-10080
BANDURSKI, ROBERT S.
Localize and identify the gravity sensing mechanism of plants
[NASA-CR-187411] 05 p0690 N91-13841
BANDY, H. T.
Need for research in electronics assembly technology
[PB90-250101] 04 p0517 N91-12876
BANDY, JEFF
Modified seasonal factors in exponential smoothing
[DE91-002802] 06 p0849 N91-14688
BANDYOPADHYAY, B. P.
Wear reduction in cutting tools: Tribological properties of hard coatings
[DE90-009705] 02 p0217 N91-11212
BANDYOPADHYAY, S.
Effects of notch geometry and moisture on fracture strength of carbon/epoxy and carbon/bismaleimide laminates
[AD-A231892] 14 p2240 N91-22392
BANERDT, B.
Does wrinkle ridge formation on Mars involve most of the lithosphere 14 p2349 N91-22992
BANERDT, W. B.
The evolution of Tharsis: Implications of gravity, topography, and tectonics 14 p2348 N91-22985
BANERJEE, P.
Fault-tolerant computing: An overview
[NASA-CR-188793] 21 p3557 N91-29769
BANERJEE, P. K.
Development of BEM for ceramic composites
[NASA-CR-187676] 05 p0641 N91-13557
Development of an integrated BEM approach for hot fluid structure interaction
[NASA-CR-187675] 07 p1001 N91-15496
BANERJEE, PARTHA P.
Theoretical, experimental, and numerical studies on hybrid acoustooptic bistable devices
[AD-A237885] 21 p3506 N91-29463
BANERJEE, PRITHVIRAJ
Compile-time estimation of communication costs in multicomputers
[NASA-CR-188675] 20 p3384 N91-28747
BANERJEE, SOUMEN
Automated assembly in space
19 p3273 N91-28106
BANGERT, JOHN A.
Central solar eclipses of 1992. Annual solar eclipse of 4-5 January 1992, total solar eclipse of 30 June 1992
[AD-A237614] 21 p3607 N91-30069
BANGERT, WOLFGANG
Medex: A useful tool for counteracting orthostatic intolerance resulting from body fluid loss under microgravity 11 p1743 N91-19585
BANGERTER, ROGER O.
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010200] 08 p1169 N91-16437
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010332] 08 p1226 N91-16759
BANGMIN, ZHANG
Second-harmonic generation of TEA CO2 10.6 micrometer laser light in AgGaS2 crystals
[AD-A237169] 21 p3522 N91-29564
BANGSBO, J.
Central and peripheral cardiovascular responses to electrically induced and voluntary leg exercise
11 p1761 N91-19687
BANGUI, F.
Three dimensional extension of a numerical method for resolving small transonic perturbations in unstructured mesh
[ONERA-RT-50/3064-RY-093-R]
23 p3783 N91-31095
BANHAM, STEPHEN R.
Taskmaster: A prototype graphical user-interface to a schedule optimization model
[AD-A229011] 09 p1384 N91-17614
BANIN, A.
Physical and chemical properties of the Martian soil: Review of resources 17 p2913 N91-26084
The chemistry and mineralogy of Mars soil and dust
18 p3085 N91-27058
BANIN, AMOS
The spectroscopic, chemical, and photophysical properties of Martian soils and their analogs (MERC, phase 2)
[NASA-CR-187898] 09 p1449 N91-17993
BANK, W.
Vortex patterns behind airfoils in streamwise oscillation
[AD-A229883] 12 p1829 N91-20049
BANKS, B. A.
Dual ion beam processed diamondlike films for industrial applications 14 p2358 N91-23042
BANKS, BRUCE A.
Heat transfer device and method of making the same
[NASA-CASE-LEW-14182-1] 05 p0660 N91-13668
Atomic oxygen interaction with solar array blankets at protective coating defect sites 12 p1951 N91-20732

Flexible fluoropolymer filled protective coatings
15 p2539 N91-24062
Atomic oxygen interactions with FEP Teflon and silicones on LDEF
16 p2715 N91-25029
Heat transfer device
[NASA-CASE-LEW-14162-2] 17 p2747 N91-25201
Arc-textured high emittance radiator surfaces
[NASA-CASE-LEW-14679-1] 17 p2763 N91-25296
Low Earth orbital atomic oxygen micrometeoroid, and debris interactions with photovoltaic arrays
22 p3639 N91-30248

BANKS, DANIEL W.
F-18 high alpha research vehicle surface pressures: Initial in-flight results and correlation with flow visualization and wind-tunnel data
[NASA-TM-101724] 11 p1641 N91-19051

BANKS, DAVID J.
Portable 45-gigahertz radar for glint and scintillation studies
[AD-A238005] 21 p3500 N91-29421

BANKS, ERIC A.
The effect of exercise training on skeletal muscle glucose transorter isoform GLUT4 concentration in the obese Zucker rat
[AD-A239461] 23 p3898 N91-31757

BANKS, H. T.
Control of distributed parameter systems
[AD-A227306] 06 p0866 N91-14787
Homogenization techniques and estimation of material parameters in distributed structures
[NASA-CR-187585] 19 p3235 N91-27887
Exponentially stable approximations of weakly damped wave equations
[NASA-CR-187584] 19 p3235 N91-27888
A comparison of time domain boundary conditions for acoustic waves in wave guides
[NASA-CR-187618] 23 p3919 N91-31889

BANKS, P. M.
Effects of neutral gas release on current collection during the CHARGE-2 rocket experiment
09 p1405 N91-17730

BANKS, PETER M.
Overview of ionospheric modification from space platforms
10 p1551 N91-18529
Plasma density enhancements created by the ionization of the Earth's upper atmosphere by artificial electron beams
10 p1551 N91-18531
Ionospheric modification using relativistic electron beams
10 p1551 N91-18532

BANKS, S. P.
Optimal control by neural networks
[RR-399] 07 p1055 N91-15797
On the stability analysis of nonlinear systems
[RR-389] 07 p1060 N91-15826
K-exponential stability of nonlinear delay systems
[RR-391] 07 p1060 N91-15827
Infinite-dimensional Carleman linearization, the Lie series, and optimal control of nonlinear PDEs
[RR-392] 07 p1060 N91-15828
Periodic solutions of neutral differential equations
[RR-390] 08 p1210 N91-16658
Simple object recognition by neural networks: Application of the Hough transform
[RR-410] 11 p1780 N91-19761

BANKS, WILLIAM W.
Human engineering design considerations for the use of signal color enhancement in ASW displays
[DE91-004949] 10 p1564 N91-18604

BANKSTON, C. PERRY
Metal chloride cathode for a battery
[NASA-CASE-NPO-17809-1-CU]
19 p3161 N91-27478

BANKSTON, CLYDE P.
Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU]
06 p0821 N91-14536
Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU]
06 p0821 N91-14538

BANKSTON, NATHANIEL G.
Lightning current rate of rise in the new lightning flash model for the space shuttle program
24 p4046 N91-32604

BANNERJEE, A.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296

BANNEROT, RICHARD B.
NASA/ASEE Summer Faculty Fellowship Program, 1990, Volume 1
[NASA-CR-185637-VOL-1] 18 p3091 N91-27088
NASA/ASEE Summer Faculty Fellowship Program, 1990, volume 2
[NASA-CR-185637-VOL-2] 18 p3094 N91-27103

BANNINGER, C.
Combined fluorescence, reflectance, and ground measurements of a stressed Norway spruce forest for forest damage assessment
07 p1024 N91-15620

BANNISTER, D. J.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926

BANON, GERALD JEAN FRANCIS
Implementation of an image processing system using an extended definition of the image
[INPE-4742-PRE/1416] 22 p3697 N91-30585

BANSAL, NAROTTAM P.
Low temperature synthesis of CaO-SiO2 glasses having stable liquid-liquid immiscibility by sol-gel process
[NASA-CR-185293] 03 p0325 N91-11806
Crystallization and properties of Sr-Ba aluminosilicate glass-ceramic matrices
[NASA-TM-103764] 11 p1689 N91-19308
The series Bi2Sr2Ca(n-1) Cu(n)O(2n+4) (1 less than or equal to n less than or equal to 5): Phase stability and superconducting properties
[NASA-TM-103749] 13 p2160 N91-21910

BANSE, B. A.
The surface chemistry of GaAs atomic layer epitaxy
[DE91-014112] 20 p3433 N91-29047

BANSEMIR, H.
Basic material data and structural analysis of fiber composite components for space application
[MBB-UD-582-90-PUB] 03 p0326 N91-11811

BANTA, G.
Sleep logs: Measurement of individual and operational efficiency
[AD-A239774] 23 p3900 N91-31770

BANTA, GUY R.
Effect of a passive cooling vest on tension/anxiety and fatigue in a high heat and high humidity naval environment
[AD-A234657] 18 p3035 N91-26755

BANTA, ROBERT M.
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165

BANTIN, C. C.
Magnetoplasma sheath waves on a conducting tether in the ionosphere with applications to EMI propagation on large space structures
12 p1949 N91-20723

BAO, HAN P.
Engineering specification and system design for CAD/CAM of custom shoes: UMC project effort
[NASA-CR-188049] 13 p2131 N91-21733

BAO, YIHAN
Cometary implications of the internal energy distributions of the C2 and C3 radicals produced in the photolysis of the C2H and C3H2
17 p2894 N91-25998

BAO, YOULIN
Titanium alloy integrated centrifugal impeller 5 coordinate computer assisted manufacturing technology
[AD-A234797] 18 p2954 N91-26300

BAR-CHAIM, NADAV
Vertical emitting, ring geometry, ultra-low threshold, and ultra-high speed quantum well lasers for optical interconnect
[AD-A228421] 09 p1340 N91-17361
Vertical emitting, ring geometry, ultra-low threshold and ultra-high speed quantum well lasers for optical interconnect
[AD-A232122] 15 p2433 N91-23481

BAR-COHEN, YOSEPH
Nondestructive Evaluation (NDE) of fiberglass marine structures state-of-the art review
[AD-A234785] 18 p2997 N91-26550

BAR-ITZHACK, ITZHACK Y.
Comparison and testing of extended Kalman filters for attitude estimation of the Earth radiation budget satellite
09 p1290 N91-17087

BAR-SHALOM, A.
Analysis of time- and space-resolved Na-, Ne-, and F-like emission from a laser-produced bromine plasma
[DE91-011523] 17 p2869 N91-25871

BAR-SHALOM, Y.
Stochastic adaptive control and estimation enhancement
[AD-A235513] 19 p3233 N91-27878

BAR-SHALON, A.
Calculation of emission and absorption spectra of LTE plasma by the STA (Super Transition Array) method
[DE91-007617] 11 p1803 N91-19900

BARAK, G.
First principles calculation of the crystal structures in the 4d transition metals
15 p2498 N91-23835

BARAKAT, A.
A method for solving Poisson's equation in geophysical and astrophysical plasma
[AERONOMICA-ACTA-A-357-1990]
15 p2513 N91-23925

BARAL, CHITTA
Generalized disjunctive well-founded semantics for logic programs
[AD-A232064] 15 p2486 N91-23765
Combining knowledge bases consisting of first order theories
[AD-A232090] 15 p2525 N91-23993

BARALLE, D.
Study of the effects of post heat treatment on the residual stresses in electron beam welds of tanks shell in titanium
03 p0328 N91-11830

BARANKIEWICZ, WENDY S.
Static performance tests of a flight-type STOVL ejector
[NASA-TM-104437] 16 p2560 N91-24201

BARANSKA, V.
Morphological examination of rat adrenal glands following flight aboard Biosputnik Kosmos-1667
01 p0095 N91-10553

BARAS, JOHN
Control of complex multibody spacecraft
[AD-A224707] 03 p0320 N91-11791

BARAS, JOHN S.
Real time control for NASA robotic gripper
[NASA-CR-187957] 14 p2272 N91-22569

BARATTA, G. B.
The VV Cep star KQ Puppis
09 p1438 N91-17924

BARBARA, PAUL F.
Nonexponential solvation dynamics of simple liquids and mixtures
[AD-A235968] 19 p3125 N91-27267
Ultrafast studies on electron transfer
[AD-A235487] 19 p3241 N91-27923
Ultrafast measurements on direct photoinduced electron transfer in a mixed valence complex
[AD-A235572] 19 p3241 N91-27924
Reaction in rates in the phenomenological adiabatic excited state electron transfer theory
[AD-A235583] 19 p3241 N91-27925

BARBARIN, A.
Signal processing used in the electromagnetic inspection of long bodies
[CETIM-107270] 05 p0674 N91-13749

BARBARO, G.
The spectral energy distribution of stellar generations: Evolution and comparison with cluster spectra
09 p1438 N91-17927

BARBAT, SAEED DAVID KAMIA
A numerical analysis of plane strain drawing employing experimentally measured traction as boundary conditions
22 p3709 N91-30643

BARBEE, T. W., JR.
Electron microscopy of thick 304 SS-copper multilayers
[DE91-011116] 21 p3590 N91-29972

BARBEE, TROY W., JR.
The ultra high resolution XUV spectroheliograph: An attached payload for the Space Station Freedom
[NASA-CR-184156] 14 p2235 N91-22365
X ray imaging microscope for cancer research
14 p2356 N91-23030

BARBER, D. C.
Visualisation of fluid shifts within the body during a parabolic flight by measurements of electrical bio-impedance
11 p1761 N91-19688

BARBER, DAVID G.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932

BARBER, JACOB L.
Handbook for conducting analysis of the manpower, personnel, and training elements for a MANPRINT assessment
[AD-A235430] 19 p3258 N91-28022

BARBER, P. G.
Radiographic instrumentation for DPM experiments
13 p2065 N91-21373

BARBER, PATRICK G.
Interdependence of science requirements and safety limitations on the space station
07 p1079 N91-15938

BARBER, PETER W.
Analysis of electromagnetic interference from power system processing and transmission components for Space Station Freedom
[NASA-CR-186564] 22 p3663 N91-30393

BARBER, T. J.
Hydrogen-fueled scramjet investigation
[AD-A237569] 21 p3459 N91-29183

BARBER, THOMAS J.
Experimental and analytical study of rippled trailing edge airfoils for compressor application
[AD-A237425] 21 p3513 N91-29508

BARBER, Z. H.
Critical currents in sputtered YBCO films
[DE91-017976] 24 p4113 N91-32987

BARBIER, BLANDINE
Electrochemical treatments in an organic medium of carbon fibres with laminated substrate. Effects of these treatments on the mechanical properties of carbon-epoxy composites
[ESA-TT-1193] 12 p1863 N91-20239
BARBIER, J.
Application of CCSDS recommendations to Ariane 5 and Hermes ground segments 14 p2215 N91-22239
BARBIER, PIERRE
Nondestructive testing of composite structures by x ray tomography
[REPT-911-430-110] 16 p2589 N91-24347
BARBOUR, J. C.
Characterization of electron cyclotron resonance hydrogen plasmas
[DE91-001250] 06 p0876 N91-14844
Irradiation-induced pinning in single-crystal and thin-film Tl2Ca2Ba2Cu3O10 superconductors
[DE91-001342] 06 p0882 N91-14877
The ECR-plasma deposition of silicon nitride on a tunnel oxide
[DE91-014665] 20 p3434 N91-29051
Irradiation effects in high temperature superconductors
[DE91-016118] 24 p4109 N91-32962
BARCILON, ALBERT
Potential vorticity index 08 p1185 N91-16516
Potential vorticity index 24 p4058 N91-32672
BARCLAY, REBECCA O.
Technical communications in aerospace: An analysis of the practices reported by US and European aerospace engineers and scientists
[NASA-TM-103441] 05 p0730 N91-14079
BARD, STEVEN
Flexible thermal apparatus for mounting of thermoelectric cooler
[NASA-CASE-NPO-17806-1-CU] 19 p3146 N91-27385
BARDELL, NICHOLAS SIMON
Wave propagation in periodically stiffened plates and shells 22 p3693 N91-30558
BARDEN, J.
A 1.5 to 4 kelvin detachable cold-sample transfer system: Application to inertially confined fusion with spin-polarized hydrogens fuels
[DE91-007763] 12 p1974 N91-20862
BARDEY, P.
Signal detection of MERIS in oceanographic applications 15 p2455 N91-23605
BARDI, UGO
Anomalous surface phase formation on Pt3Sn with zone axes group (100)
[DE91-001794] 06 p0807 N91-14456
BARDON, M. F.
The influence of fuel characteristics on heterogeneous flame propagation 23 p3795 N91-31165
BARDOS, RUSSELL
Space shuttle propulsion systems 20 p3292 N91-28200
BARDSLEY, J. N.
Short pulse driven recombination x ray lasers
[DE90-009945] 08 p1151 N91-16340
Surface electron emission induced by slow multicharged ions
[DE91-010469] 15 p2503 N91-23865
Interaction of slow highly-charged ions with a metal surface
[DE91-010470] 19 p3128 N91-27284
Nonequilibrium simulation of the commutation phase in a back-lit thyratron
[DE91-010471] 19 p3155 N91-27443
Ionization induced frequency shifts in subpicosecond laser pulses
[DE91-010472] 19 p3171 N91-27529
Production of cold highly-ionized plasmas by intense subpicosecond lasers
[DE91-010461] 19 p3247 N91-27960
BARDWELL, C. A.
Intercomparison of the chemical and meteorological data generated from aircraft and shipboard sampling during GCE/CASE/WATOX
[PB91-129098] 13 p2120 N91-21667
BARE, E. ANN
Parametric study of afterbody/nozzle drag on twin two-dimensional convergent-divergent nozzles at Mach numbers from 0.60 to 1.20
[NASA-TP-2640] 06 p0778 N91-14316
BAREFIELD, E. K.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
BAREISS, LYLE E.
Advances in atomic oxygen simulation 11 p1660 N91-19147
BAREISS, R.
Influence of thermodynamical modelization for chemically reacting air flow
[MBB/FE122/S/PUB/400] 05 p0616 N91-13418
BARER, A. S.
Effect of excess respiratory resistance on physical performance and cardiorespiratory function 18 p3025 N91-26699
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3715 N91-30677
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3717 N91-30687
BARESI, LARRY
The conversion of lignocellulosics to fermentable sugars: A survey of current research and application to CELSS 23 p3903 N91-31784
BARGA, ROGER S.
Classification of acoustic emission waveforms for nondestructive evaluation using neural networks
[DE90-017239] 02 p0221 N91-11236
BARGER, V.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
BARGER, WILLIAM R.
A review of experimental observations and remaining questions concerning formation, persistence, and disappearance of sea slicks
[AD-A235802] 19 p3205 N91-27714
BARIBEAU, J. M.
Direct imaging of ordering in Si-Ge alloys, ultrathin superlattices, and buried Ge layers
[DE91-014580] 20 p3433 N91-29044
BARILLOT, PHILIPPE
Numerical simulation of crater formation heating by laser beam. Analysis of radiation exchanges in the cavity
[ONERA-NT-1990-5] 04 p0528 N91-12925
BARISH, BARRY C.
Particle astrophysics 24 p4120 N91-33024
BARKAN, OZDAL
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
BARKATT, AARON
Melt-processed bulk superconductors: Fabrication and characterization for power and space applications 15 p2542 N91-24082
BARKAY, N.
Optical and mechanical properties of mixed silver halide crystals 15 p2498 N91-23837
BARKER, A. R.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836
BARKER, D. L.
Step voltage analysis for the catenoid lightning protection system 24 p4050 N91-32623
BARKER, E. S.
The near ultraviolet spectra of comets P/Brorsen-Metcalf and Austin 12 p2003 N91-21022
BARKER, J. J.
The essential linearity of thermal radiation net transport
[DE91-016734] 24 p4113 N91-32990
BARKER, J. R.
Biodiversity and human impacts
[PB90-263963] 09 p1370 N91-17530
Ecological exposure and effects of airborne toxic chemicals: An overview
[PB91-148460] 18 p3005 N91-26594
BARKER, JOHN M., JR.
Detecting target words while monitoring multiple auditory inputs
[AD-A224687] 03 p0394 N91-12190
BARKER, JOHN R.
Infrared fluorescence from PAHs in the laboratory 06 p0893 N91-14934
BARKER, L. A.
Test and model correlation of the atmospheric emission photometric imager fiberglass pedestal
[NASA-TM-103515] 05 p0678 N91-13766
BARKER, L. M.
Hypervelocity launch capabilities to over 10.4 km/s
[DE91-010659] 18 p2934 N91-26186
Sandia's new hypervelocity launcher (HVL)
[DE91-014335] 20 p3287 N91-28178
Launch capabilities to over 10 km/s
[DE91-014657] 21 p3463 N91-29203
BARKER, ROBERT J.
On the feasibility of microwave produced Bragg reflector: Examined by the chamber experiment 10 p1550 N91-18528
BARKER, THOMAS B.
Capattery double layer capacitor life performance
[DE91-006639] 11 p1697 N91-19344
BARKER, TIMOTHY WAYNE
Prediction of forecast skill with a quasi-geostrophic model 20 p3375 N91-28699
BARKESHLI, KASRA
Applications of the conjugate gradient FFT method in scattering and radiation including simulations with impedance boundary conditions
[NASA-CR-188214] 16 p2617 N91-24485
BARLETT, MARTIN L.
Signal processing studies of a simulated laser Doppler velocimetry-based acoustic sensor
[AD-A231879] 14 p2269 N91-22554
BARLETT, R. J.
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds
[DE91-016239] 24 p4095 N91-32878
BARLETTA, ROBERT E.
Assessment of the applicability of Raman spectroscopy to the detection of chemical agents
[DE90-017198] 04 p0502 N91-12785
BARLETTA, W. A.
Vacuum design for a superconducting mini-collider
[DE91-011964] 18 p3072 N91-26975
BARLEY, STEVEN KEITH
Investigation of the muon component of EAS initiated by primary radiation from Hercules X-1 15 p2534 N91-24037
BARLOW, JESSE L.
Large sparse stable matrix computations
[AD-A229837] 12 p1970 N91-20837
BARLOW, JOHN
A role model for quality management in finite element analysis 16 p2644 N91-24639
BARLOW, N. G.
Relative chronology of Martian volcanoes 11 p1821 N91-20007
BARLOW, NADINE G.
Martian impact craters: Continuing analysis of lobate ejecta sinuosity 14 p2348 N91-22986
Martian crater counts on Elysium Mons 14 p2350 N91-22996
Martian impact crater ejecta morphologies and their potential as indicators of subsurface volatile distribution 17 p2910 N91-26066
BARLOW, R.
Preliminary mixed-layer model results for FIRE marine stratocumulus IFO conditions 01 p0084 N91-10495
An overview of UK C130 observations from the FIRE marine stratocumulus IFO 01 p0089 N91-10520
BARMATZ, MARTIN
Ground-based and microgravity containerless positioning technologies and facilities 13 p2059 N91-21333
Using a microgravity environment to probe wave turbulence 13 p2063 N91-21355
High temperature acoustic and hybrid microwave/acoustic levitators for materials processing 13 p2065 N91-21368
Oscillational instabilities in single mode acoustics levitators 13 p2066 N91-21376
BARMATZ, MARTIN B.
Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] 06 p0870 N91-14807
BARMIN, V. A.
Human and animal results on vestibular research in space: VERIS 11 p1753 N91-19642
BARNA, B. A.
Acousto-optic signature analysis for inspection of the orbiter thermal protection tile bonds 10 p1487 N91-18196
BARNA, P. STEPHEN
Nozzle diffuser for use with an open test section of a wind tunnel
[NASA-CASE-LAR-14424-1-SB] 24 p3963 N91-32149
BARNARD, G.
New developments and applications of immunoassay technology 14 p2294 N91-22686
BARNARD, H. J.
On the performance analysis of wavefront array processors
[REPT-90-26] 07 p1061 N91-15835
BARNARD, JOHN MORDAUNT
The computer storage, retrieval, and searching of generic structures in chemical patents: The machine-readable representation of generic structures 20 p3439 N91-29081
BARNARD, STEPHEN
An evolutionary approach to designing neural networks
[AD-A228874] 08 p1208 N91-16643

BARNAVELI, T. T.
On the primary cosmic ray nuclei spectra behaviour in the 10(exp 16) eV energy region
06 p0919 N91-15069
BARNEA, RAM
Sitting posture analysis. An experimental optimisation approach
[ITN-91-85114] 18 p3036 N91-26760
BARNES, ARNOLD A., JR.
Investigation of the prediction of lightning strikes using neural networks
[AD-A229042] 10 p1556 N91-18555
A survey of laser lightning rod techniques
24 p4054 N91-32645
Predicting cloud-to-ground lightning with neural networks 24 p4054 N91-32646
BARNES, BERNIS
A Summer Program in Mathematics and Computer Science for Academically Oriented Students
[AD-A233546] 16 p2680 N91-24837
BARNES, C.
The NASA Microelectronics Space Radiation Effects Program (MSREP) at the Jet Propulsion Laboratory
24 p3996 N91-32331
BARNES, C. E.
Effects of neutron fluence on the operating characteristics of diode lasers used in atomic frequency standards
[AD-A226763] 08 p1153 N91-16352
BARNES, C. W.
Prediction and control of chaotic processes using nonlinear adaptive networks
[DE90-016505] 01 p0118 N91-10697
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
Applications of neural networks to process control and modeling
[DE91-007389] 15 p2489 N91-23784
Information theoretic derivation of network architecture and learning algorithms
[DE91-007552] 19 p3217 N91-27782
Using CNLS-NET (connectionist normalized local spline-network) to predict the Mackey-Glass chaotic time series
[DE91-007478] 19 p3257 N91-28016
BARNES, D. C.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
US-Japan Workshop on Field-Reversed Configurations with Steady-State High-Temperature Fusion Plasmas and the 11th US-Japan Workshop on Compact Toroids
[DE90-010253] 08 p1226 N91-16755
BARNES, DANIEL C.
Apparatus for guiding a missile
[AD-D014866] 18 p2927 N91-26147
BARNES, G. A.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
Low-jitter, high-voltage, infrared, laser-triggered, vacuum switch
[DE91-014602] 21 p3522 N91-29562
BARNES, JOHN
SSSFD manipulator engineering using statistical experiment design techniques 12 p1935 N91-20647
BARNES, KEN A.
S-76 rotorcraft high intensity radiated fields. Test plan
[SCIE-FAA-001-91] 19 p3154 N91-27438
BARNES, N. P.
Polymeric-host sulforhodamine-B lasers: Doubled Nd:YAG pumped
[DE91-009955] 14 p2270 N91-22560
BARNES, NORMAN P.
Theoretical temperature-dependent branching ratios and laser thresholds of the (5)I7 yields (5)I8 levels of Ho3(+) in ten garnets
[NASA-TM-103429] 05 p0726 N91-14053
Energy levels and branching ratios of Tm(3)+ in ten garnet laser materials
[AD-A235274] 18 p2991 N91-26514
Development of flashlamp-pumped Q-switched Ho:Tm:Cr:YAG lasers for mid-infrared LIDAR application
19 p3276 N91-28120
BARNES, P.
Effects of UV-B and global climate change on Rice Research Plan
[PB91-109983] 09 p1361 N91-17478
BARNES, P. D.
Experimental medium energy physics
[DE91-005779] 10 p1592 N91-18777
BARNES, P. R.
Geomagnetic storms: Potential economic impacts on electric utilities
[DE91-009523] 15 p2534 N91-24036
BARNES, PAUL R.
Physiological responses to prolonged bed rest in humans: A compendium of research, 1981-1988
[NASA-TM-102249] 05 p0694 N91-13862
On the HEMP (High-Altitude Electromagnetic Pulse) environment for protective relays
[DE91-001880] 07 p0999 N91-15488
The response of MOV and SiC arresters to steep-front longer duration current pulses
[DE90-008572] 09 p1325 N91-17275
BARNES, R. G.
Nuclear magnetic resonance survey of hydrogen motion and electronic structure in (alpha)-phase (Nb-Mo)-H alloys
[DE90-018044] 02 p0197 N91-11101
Novel measurements of nuclear spin cross-relaxation in metal hydrides
[DE90-018042] 02 p0268 N91-11503
BARNES, RON
Compound estimation procedures in reliability
18 p3091 N91-27090
BARNES, SCOTT P.
Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] 05 p0648 N91-13598
BARNES, T.
Relativistic effects in gamma-gamma decays of P-wave positronium and qq(bar) systems
[RAL-90-061] 10 p1593 N91-18789
BARNES, TERENCE J.
Certification procedures and requirements
18 p2928 N91-26154
Trends in certification procedures and design analysis
18 p2929 N91-26158
BARNET, CHRISTOPHER DWIGHT
Saturn's seasonal winds and temperature: The effect of the ring system on the troposphere and stratosphere
09 p1449 N91-17992
BARNETT, A. M.
AlGaAs top solar cell for mechanical attachment in a multi-junction tandem concentrator solar cell stack
11 p1667 N91-19187
BARNETT, ALLEN M.
Thin crystalline InP on insulating substrates
[AD-A226386] 04 p0590 N91-13294
Development of N/P AlGaAs free-standing top solar cells for tandem applications 22 p3633 N91-30218
Direct glass bonded high specific power silicon solar cells for space applications 22 p3634 N91-30221
BARNETT, BARBARA
The object display in decision making and judgment
[AD-A227059] 06 p0885 N91-14889
BARNETT, CLARENCE F.
Atomic data for fusion. Volume 1: Collisions of H, H2, He and Li atoms and ions with atoms and molecules
[DE91-000527] 04 p0581 N91-13238
BARNETT, D. A., JR.
Benchmark measurements and calculations of a 3-dimensional neutron streaming experiment
[DE91-010692] 15 p2504 N91-23867
BARNETT, D. L.
Ultrasound and visual sensor feedback and fusion
[DE90-005280] 08 p1156 N91-16369
Performance of multiple tasks by an autonomous robot using visual and ultrasound sensing
[DE90-010719] 09 p1344 N91-17383
Performance of visual and ultrasound sensing by an autonomous robot
[DE91-010452] 15 p2439 N91-23511
BARNETT, JOHN W.
Enhancing space transportation: The NASA program to develop electric propulsion
[NASA-TM-4244] 11 p1666 N91-19181
BARNETT, MARK
Average-passage flow model development
16 p2587 N91-24338
BARNEY, A. M.
NTIS bibliographic database user's guide for final issue tape format and IA-edit internal tape format (revised)
[PB91-149500-REV] 16 p2698 N91-24945
BARNEY, DAN
Reliability and quality EEE parts issues
09 p1279 N91-17028
BARNEY, DANIEL L.
NASA's challenge for tomorrow
24 p4002 N91-32374
BARNEY, RICHARD D.
Contamination control program for the Cosmic Background Explorer: An overview
11 p1661 N91-19152
BARNHART, CRAIG M.
The application of Hopfield neural network techniques to problems of routing and scheduling in packet radio networks
[AD-A229039] 09 p1324 N91-17271
BARNHART, JOHN S.
Parametric study of electrostatically charged sprays
[DE90-010580] 08 p1138 N91-16262
BARNI, S.
Lymphocytes on sounding rockets
11 p1749 N91-19620
BARNIER, B.
Satellite data utilization in ocean circulation models
15 p2453 N91-23593
BARNOUIN, O.
An approach to space power
14 p2200 N91-22147
BARNS, CHRIS E.
Multiple axis reticle
[NASA-CASE-ARC-11886-1-SB]
06 p0831 N91-14591
BARNS, DAVID W.
A fuel cycle framework for evaluating greenhouse gas emission reduction technology
[DE91-004068] 07 p1026 N91-15633
BARNSTABLE, BOB
The Copernicus project 08 p1102 N91-16052
BARNSTEDT, J.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
BARNSTON, ANTHONY G.
January-February tropospheric climate for the Northern Hemisphere and the 11-year solar cycle, the QBO and the Southern Oscillation 03 p0443 N91-12479
BAROCK, RICHARD T.
Acoustic tomographic estimate of ocean advective heat flux: A numerical assessment in the Norwegian Sea
[AD-A237100] 21 p3545 N91-29698
BARON, B. N.
Materials analysis and device optimization of CuInSe2 solar cells
[DE90-000365] 01 p0064 N91-10384
BARON, BILL N.
Fundamentals of polycrystalline thin film materials and devices
[DE91-002130] 10 p1608 N91-18874
BARON, R.
Isokinetic force velocity and electromyographic characteristic of knee and elbow extensor and flexor muscles in the 0-g environment
11 p1743 N91-19584
BARONE, S.
ESSOPE: Expert system for spacecraft operations planning and execution 14 p2218 N91-22258
BAROODY, EDWARD E.
Heats of explosion, detonation and reaction products: Their estimation and relation to the first law of thermodynamics 16 p2579 N91-24297
BAROTH, EDMUND C.
Information visualization techniques in a multi-mission operations environment 14 p2221 N91-22277
BARR, P.
Multiwavelength monitoring of the Seyfert 1 galaxy NGC 4593 09 p1445 N91-17966
BARR, R.
VLF, ELF, and ULF wave research using the Tromso heating facility 10 p1547 N91-18512
BARR, S. M.
Particle theory and cosmology
[DE91-017730] 24 p4122 N91-33041
BARRACLOUGH, BRUCE L.
Secondary-electron yield measurements from metals impacted by high-velocity ions, electrons, and molecules
[DE90-018023] 02 p0268 N91-11502
BARRAGAN, A.
Habitability: CAMELOT 4 10 p1479 N91-18150
BARRANCO, J.
Unusually high fracture toughness of ASTM A723 steel from a mixed martensite/bainite microstructure
[AD-A230315] 12 p1870 N91-20274
BARRANGER, JOHN P.
Two-dimensional high temperature strain measurement system 16 p2584 N91-24319
BARRATT, P. S.
NUFA: A semi-empirical method for the prediction of isolated weapon aerodynamics
06 p0773 N91-14287
BARRE, M.
EQML: A chance for Europe 24 p4004 N91-32383
Which position for MIL-space industry facing QML concept 24 p4004 N91-32386
BARREAU, ROLAND
New method to determine in wind tunnel the buffeting forces 06 p0782 N91-14337

BARRERA, E. V.
XAFS studies of interactions at transition-metal/Al interfaces
[DE90-016313] 01 p0027 N91-10159
BARRET, L.
Observations of bi-directional leader development in a triggered lightning flash 24 p4054 N91-32649
BARRETT, CHARLES A.
High temperature cyclic oxidation data. Part 1: Turbine alloys
[NASA-TM-83665] 01 p0025 N91-10149
High-temperature cyclic oxidation data. Part 2: Turbine alloys
[NASA-TM-101468] 01 p0025 N91-10150
BARRETT, D. M.
Design criteria for a magnetic switch when used to discharge a pulse forming line
[DE91-016559] 24 p4006 N91-32402
BARRETT, DAVID J.
An anisotropic laminated damped plate theory
[AD-A234446] 18 p2941 N91-26222
BARRETT, DAVID S.
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949
BARRETT, J.
MTSL-005: Reliability evaluation of high pincount hermetic ceramic packages for space applications 24 p3995 N91-32328
BARRETT, JOAN
Analysis of SBUV/2 measurements of solar UV irradiance variations 11 p1732 N91-19526
BARRETT, MICHAEL J.
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
BARRETT, T. B.
Signal processing development
[AD-A226593] 05 p0725 N91-14052
BARRICK, ELAINE
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
BARRIENTOS, ALFONSO
Effects of antimony substitution on bismuth based superconductors 10 p1626 N91-18968
BARRINGTON, MARK T.
Graph match program
[AD-A224819] 03 p0356 N91-11989
BARRIOS, J. RENE
Analysis of guidance law performance using personal computers 03 p0305 N91-11697
BARRO, E.
An application of timed Petri nets to S/C operations analysis: The Aristoteles autonomy concept 14 p2215 N91-22241
BARRON, C.
Equations of motion of multibody systems in the ESA-MIDAS software
[ESA-STR-232] 03 p0402 N91-12237
BARRON, CHRIS
XSPEC: An x ray spectral fitting package. Version 2 of the user's guide
[NASA-TM-105007] 22 p3732 N91-30776
The EXOSAT database system: BROWSE version 3.0 user's guide
[ESA-TM-11] 22 p3768 N91-31009
The EXOSAT database system: On-line user's guide
[ESA-TM-12] 22 p3768 N91-31010
The EXOSAT database system: Available databases
[ESA-TM-13] 22 p3768 N91-31011
BARRON, EMMANUEL N.
Viscosity methods in optimal control of distributed systems. The Bellman equation
[AD-A234646] 18 p3045 N91-26812
BARRON, ERIC E.
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594
BARROS, SILVANO PIEDADE VENACIO
An associative text FILTER for microcomputer-based document retrieval 09 p1420 N91-17815
BARROWS, R. D.
An outgassing model of non-metallic materials for the ascent of a Titan 4 launch vehicle 11 p1657 N91-19132
BARRULAS, MARIA JOAQUINA
Bridging the communication gap: The case of the Portuguese information system for industry 17 p2876 N91-25912
BARRY, A. L.
Displacement threshold energy in GaAs determined by electrical and optical investigations 24 p3997 N91-32337
BARRY, C.
Improvements in the BYBLOS continuous speech recognition system
[AD-A230126] 12 p1881 N91-20342
BARRY, R.
Sea ice-atmosphere interaction: Application of multispectral satellite data in polar surface energy flux estimates
[NASA-CR-187376] 05 p0680 N91-13782
BARRY, THOMAS
SE and I system testability: The key to space system FDIR and verification testing 09 p1283 N91-17053
BARRY, W.
A beam position monitor for low current dc beams
[CEBAF-PR-89-004] 06 p0871 N91-14816
BARSALOU, THEIRRY
View objects for relational databases 14 p2339 N91-22932
BARSANTI, M. L.
Depressed collector experiments on a quasioptical gyrotron
[AD-A234559] 18 p2987 N91-26492
BARSELLA, BRUNO
Production and transfer of UV photons in non-homogeneous spherical clouds 06 p0899 N91-14966
Grains in galactic haloes 06 p0901 N91-14984
BARSHICK, C. M.
A glow discharge ion source with Fourier transform ion cyclotron resonance mass spectrometric detection
[AD-A235575] 19 p3123 N91-27255
BARSKY, MICHAEL F.
The spacecraft control laboratory experiment optical attitude measurement system
[NASA-TM-102624] 13 p2034 N91-21186
BARSON, JOHN V.
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 2
[AD-A232907] 16 p2557 N91-24187
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 1
[AD-A233349] 16 p2558 N91-24188
BARSON, S. L.
The effect of combustor flow nonuniformity on the performance of hypersonic nozzles 15 p2380 N91-23173
BARSOUM, R.
Part 1: Mechanics of thin films. Part 2: Fracture re of solids
[AD-A236209] 19 p3180 N91-27583
BARSOV, S. G.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
BARSTOW, M. A.
Study of coronal and transition region structure in the contact binary 44i Boo through rotational modulation of the far-UV spectra 09 p1439 N91-17928
BARSZCZ, ERIC
Performance of a parallel code for the Euler equations on hypercube computers
[NASA-TM-102260] 02 p0249 N91-11384
BART, STEPHEN F.
Piezoelectric micromotors for microrobots
[AD-A234423] 18 p2978 N91-26446
BARTAK, F.
Aerodynamic computation post processing tools
[AAAF-NT-89-20] 24 p3949 N91-32073
BARTELDREES, ANDREAS
Observations of extended and counterrotating disks of ionized gas in S0 galaxies 05 p0752 N91-14187
BARTELS, D. M.
Comment on: Analytic solution of the Stochastic-Liouville model of spin-exchange
[DE91-010570] 15 p2503 N91-23861
BARTELS, J. R.
Flywheel-powered shuttle car
[PB91-200543] 24 p4026 N91-32499
BARTER, S. A.
Examination of the microstructure of 7050 aluminum alloy samples
[AD-A232544] 15 p2403 N91-23306
BARTH, C. A.
Reference models for thermospheric NO 19 p3190 N91-27642
BARTH, MARVIN
Modeling pulse driven antenna systems with finite differences
[DE90-010682] 08 p1125 N91-16182
BARTH, TIMOTHY J.
A one-equation turbulence transport model for high Reynolds number wall-bounded flows
[NASA-TM-102847] 01 p0043 N91-10252
Unstructured mesh solution of the Euler and Navier-Stokes equations 02 p0153 N91-10892
BARTHE, L.
Updating of finite element models using experimental vibratory type data. Process of static substructuring
[ONERA-RT-10/3313-RY-090-R] 23 p3885 N91-31682
BARTHELEMY, J.-F. M.
Application of multidisciplinary optimization methods to the design of a supersonic transport
[NASA-TM-104073] 15 p2374 N91-23135
BARTHELEMY, JEAN-FRANCOIS M.
Research in Structures, Structural Dynamics and Materials, 1990
[NASA-CP-3064] 01 p0050 N91-10301
Recent advances in approximation concepts for optimum structural design
[NASA-TM-104032] 14 p2193 N91-22113
BARTHOLOMEW, C. H.
Deactivation by carbon of iron catalysts for indirect liquefaction
[DE91-011276] 21 p3477 N91-29285
BARTHOLOMEW, MAUREEN OBRIEN
A collision detection algorithm for telerobotic arms 12 p1939 N91-20666
BARTHOLOMEW, P.
The role of structural analysis in airworthiness certification 16 p2646 N91-24647
BARTIE, K. M.
Technology needs for high-speed rotorcraft, volume 1
[NASA-CR-177585] 18 p2925 N91-26139
BARTINE, D. E.
Power system requirements and selection for the space exploration initiative
[DE91-016707] 24 p3964 N91-32150
BARTLETT, C. SCOTT
Icing test capabilities for aircraft propulsion systems at the Arnold Engineering Development Center 23 p3795 N91-31170
BARTLETT, D. V.
The development of an untuned cavity as a high effective temperature microwave calibration source
[NPL-DES-106] 12 p1902 N91-20462
BARTLETT, D. W.
Laminar-flow flight experiments 16 p2551 N91-24135
BARTLETT, F. D., JR.
Probabilistic fatigue methodology for six nines reliability
[NASA-TM-102757] 07 p1020 N91-15605
BARTLETT, R. J.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014489] 21 p3592 N91-29979
BARTLETT, RODNEY J.
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3
[NASA-TM-103391] 08 p1221 N91-16728
Workshop on Coupled-Cluster Theory at the Interface of Atomic Physics and Quantum Chemistry
[AD-A233141] 16 p2683 N91-24854
BARTMESS, J. E.
Spontaneous cluster decomposition in a quadrupole ion trap
[DE91-012519] 20 p3399 N91-28836
BARTOL, AILEEN M.
Advanced Dynamic Anthropomorphic Manikin (ADAM) design report
[AD-A234761] 18 p3036 N91-26756
BARTOLI, F. J., JR.
Properties of II-VI semiconductors: Bulk crystals, epitaxial films, quantum well structures, and dilute magnetic systems, volume 161
[AD-A229589] 22 p3759 N91-30951
BARTOLINI, C.
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929
BARTOLOTTA, PAUL A.
Stirling engine: Available tools for long-life assessment
[NASA-TM-103660] 04 p0537 N91-12980
Fatigue life prediction of an intermetallic matrix composite at elevated temperatures
[NASA-TM-104494] 17 p2791 N91-25442
Fatigue behavior and life prediction of a SiC/Ti-24Al-11Nb composite under isothermal conditions
[NASA-TM-105168] 22 p3694 N91-30566
BARTON, CHRISTOPHER C.
FREQFIT: Computer program which performs numerical regression and statistical chi-squared goodness of fit analysis
[DE91-000133] 03 p0401 N91-12230

BARTON, SIMON A.
A technique for optimizing a neural network
[AD-A233395] 16 p2676 N91-24811
BARTON, T.
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin 19 p3192 N91-27650
Seismic velocities in the Missionary Plain region: An aid to stratigraphic studies 19 p3192 N91-27652
BARTON, TIMOTHY J.
Research into language concepts for the mission control center
[NASA-CR-185928] 02 p0251 N91-11392
Research into alternative network approaches for space operations
[NASA-CR-187015] 05 p0699 N91-13894
BARTOS, K. P.
Interagency telemetry arraying for Voyager-Neptune encounter 03 p0355 N91-11982
BARTOS, KAREN F.
A three-dimensional finite-element thermal/mechanical analytical technique for high-performance traveling wave tubes
[NASA-TP-3081] 19 p3154 N91-27436
BARTOSIK, L. G.
Space environmental effects on spacecraft thermal control coatings 11 p1660 N91-19148
BARTRAM, M. E.
Thermal desorption studies of isotopically-labeled oxygen-induced superconductivity in La2CuO(4+delta)
[DE91-004896] 08 p1236 N91-16812
BARTS, R.
Feasibility study of a synthesis procedure for array feeds to improve radiation performance of large distorted reflector antennas
[NASA-CR-187954] 10 p1513 N91-18329
BARTS, SAMUEL A.
The UV photochemistry of C2N2
19 p3271 N91-28094
BARTSCH, R. R.
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
BARTY, CHRISTOPHER PETER JAMES
Photoelectron and photoionization pumping of XUV lasers by laser-produced plasmas
21 p3521 N91-29558
BARUCH, MENAHEM
Evaluation of alternatives for best-fit paraboloid for deformed antenna surfaces 01 p0053 N91-10313
BARUCHEL, J.
Single crystals of CeMg3 (TEXUS 7) ESA
23 p3834 N91-31382
BARWEY, DINESH
Dynamics of elastic bending and torsion of hingeless rotors with dynamic stall
[AD-A234775] 18 p2924 N91-26134
BARYLAK, MICHAEL
Atlas of far UV and optical spectra of Be stars
09 p1434 N91-17897
Homogenizing the object nomenclature in the IUE log of observations 09 p1447 N91-17981
Dearchiving IUE LBL images from optical disk
09 p1447 N91-17984
BASARAB, DOUGLAS J.
Fabrication and characterization of yttrium barium copper oxide superconductors for microwave applications
[AD-A231713] 14 p2331 N91-22877
BASARAN, O. A.
Boundary integral equations and the Dirichlet problem
[DE91-004537] 11 p1783 N91-19779
BASCHIERA, DINO
Genesis lunar outpost: An evolutionary lunar habitat
10 p1481 N91-18158
BASCOM, WILLARD D.
Friction and wear of TPS fibers: A study of the adhesion and friction of high modulus fibers
[NASA-CR-187666] 05 p0634 N91-13515
Surface and interfacial properties of carbon fibers
[NASA-CR-184916] 06 p0802 N91-14429
BASEER, M. A.
Control of vibration in a flexible rotor-bearing system
22 p3685 N91-30519
BASEGGIO, FRANCO M.
Parametric entry corridors for lunar/Mars aerocapture missions
[NASA-TM-102178] 13 p2030 N91-21168
BASELEY, D. A.
The profile data strip: A new approach to the presentation of flight progress data
[RSRE-MEMO-4460] 22 p3617 N91-30123
BASHAM, BRYAN D.
Discrete event simulation tool for analysis of qualitative models of continuous processing systems
[NASA-CASE-MSC-21465-1] 06 p0859 N91-14741
BASHFORD, D. P.
Testing and integrity of thermostructural ceramic matrix composites 03 p0334 N91-11871
BASIL, PETER G.
Real-time multi-frequency modulation using differentially-encoded signal constellations
[AD-A236839] 19 p3153 N91-27431
BASILEVSKY, ALEXANDER T.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
BASILI, V. R.
Towards a comprehensive framework for reuse: A reuse-enabling software evolution environment
[UMIACS-TR-88-92] 01 p0105 N91-10608
Support for comprehensive reuse
[NASA-CR-187941] 14 p2303 N91-22721
BASILI, VICTOR
The cleanroom case study in the Software Engineering Laboratory: Project description and early analysis
[NASA-TM-103390] 09 p1379 N91-17584
BASINGER, S. A.
Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800
BASKER, GUY ASHBOURNE
The determination of mean sea level using GPS
20 p3377 N91-28708
BASKETT, R. L.
Sensitivity of numerical dispersion modeling to explosive source parameters
[DE91-009476] 15 p2460 N91-23631
BASKETT, RONALD L.
Turbulence and diffusion in the atmospheric boundary layer
[DE90-011582] 08 p1175 N91-16471
The value of on-site sodar data in regional modeling
[DE90-009921] 08 p1180 N91-16498
BASLER, D.
Experimental investigation of buffet onset and penetration on a supercritical airfoil at transonic speeds
06 p0781 N91-14328
BASOL, B. M.
High efficiency copper ternary thin film solar cells
[DE91-002134] 17 p2805 N91-25507
Flexible copper-indium-diselenide films and devices for space applications 22 p3634 N91-30222
BASOL, BULENT M.
Low-cost CdZnTe devices for cascade cell application
[DE91-002116] 08 p1170 N91-16444
BASORE, P. A.
Processing experiments for development of high-efficiency silicon solar cells
[DE91-002698] 06 p0841 N91-14645
BASORE, PAUL A.
Microwave-detected photoconductance decay
[DE90-011505] 08 p1233 N91-16795
BASS, B. R.
Fracture mechanics of inhomogeneous materials
[DE91-000690] 03 p0381 N91-12129
Applications of a 2-D moving finite element formulation to elastic/viscoplastic dynamic fracture analysis
[DE91-009930] 20 p3359 N91-28607
Assessment of ductile fracture methodology based on applications to large-scale experiments
[DE91-009920] 20 p3360 N91-28614
BASS, H. E.
Soviet atmospheric acoustics research
15 p2500 N91-23848
BASS, HENRY E.
Scattering of sound by atmospheric turbulence predictions in a refractive shadow zone
08 p1218 N91-16703
Effects of large-scale wind driven turbulence on sound propagation 08 p1218 N91-16704
Theoretical and experimental study of thermoacoustic engines
[AD-A230700] 12 p1919 N91-20559
BASS, I. L.
High power CW performance from a Ti:Sapphire laser and a single-pass amplifier
[DE91-005269] 09 p1343 N91-17378
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
A 43 watt CW Ti:Sapphire laser
[DE91-010468] 15 p2433 N91-23479
BASS, J. M.
Solid rocket booster internal flow analysis by highly accurate adaptive computational methods
[NASA-CR-184141] 13 p2043 N91-21239
Non-algorithmic issues in automated computational mechanics
[AD-A238322] 22 p3727 N91-30744
BASS, R. G.
Synthesis of imide/arylene ether copolymers for adhesives and composite matrices
[NASA-TM-104067] 13 p2055 N91-21306
Imide/arylene ether block copolymers
[NASA-TM-104066] 13 p2055 N91-21308
BASS, R. GERALD
Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU]
23 p3819 N91-31307
BASS, ROBERT W.
Spillover, nonlinearity, and flexible structures
14 p2225 N91-22308
BASSIOUNI, M.
Performance of distributed simulation using multiple segment ethernet communication networks
[AD-A229216] 09 p1325 N91-17274
BASSIR, K.
The ultrasonic examination of titanium alloys
02 p0195 N91-11094
BASSO, G.
An assessment of the acoustic noise in the working section of the NAE 6 ft x 9 ft low speed wind tunnel
[NAE-LTR-ST-1744] 21 p3461 N91-29196
BASSO, T. S.
Photovoltaics: From the laboratory to the marketplace
[DE91-002151] 18 p3004 N91-26588
BASSOLO, V. S.
Specific tasks of Regatta-E measurements correlated with Cluster/Regatta-A in the ISTP and Regatta programmes 01 p0072 N91-10436
BASSOM, ANDREW
Vortex instabilities in 3D boundary layers: The relationship between Goertler and crossflow vortices
[NASA-CR-187456] 01 p0004 N91-10022
BASSOM, ANDREW P.
Nonlinear instability of hypersonic flow past a wedge
[NASA-CR-187609] 22 p3612 N91-30094
BASSOW, SUSAN
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684
BAST, CALLIE C.
Probabilistic lifetime strength of aerospace materials via computational simulation
[NASA-CR-187178] 21 p3533 N91-29629
BASTIAANSSEN, W. G. M.
Application of thematic mapper images to determine regional evaporation from the playas in the western desert of Egypt
[REPT-31] 18 p3003 N91-26585
BASTIAN, R. D.
High octane ethers from synthesis gas-derived alcohol
[DE91-008367] 13 p2058 N91-21325
High octane ethers from synthesis gas-derived alcohols
[DE91-016596] 24 p3973 N91-32193
BASTIAS, P. C.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526
BASTIAS, PEDRO CESAR
Analysis of cyclic crack growth under rolling contact loading conditions 03 p0377 N91-12109
BASTIEN-THIRY, C.
SPOT image organization 14 p2214 N91-22231
BASTIEN, PIERRE
On the polarization mechanism in the R Mon/NGC 2261 complex 06 p0899 N91-14969
BASTO, JOSE EDSON
Experimental determination of satellite bolted joints thermal resistance 11 p1662 N91-19157
BASU, PRITHWISH
Dynamics of face and annular seals with two-phase flow
[NASA-CR-4256] 18 p2984 N91-26479
BASU, S.
The MIT short-wavelength laser project
[DE91-015357] 21 p3525 N91-29582
BATAILLE, F.
Real time actuating of laser power and scanning velocity for thermal regulation during laser hardening
[ETN-91-99908] 23 p3878 N91-31636
BATAILLOU, DANIEL
Silicon elastomers in structural glass adhesion. Application: Silovitrail
[ETN-90-97804] 03 p0343 N91-11921
BATAILLOU, MICHEL
Silicon elastomers in structural glass adhesion. Application: Silovitrail
[ETN-90-97804] 03 p0343 N91-11921
BATCHELOR, D. B.
Fast-wave current drive modelling for large non-circular tokamaks
[DE91-000562] 04 p0584 N91-13261

The effect of realistic antenna geometries on plasma loading predictions
[DE91-010782] 15 p2411 N91-23353
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913

BATCHELOR, G. L.
Fuels and oils as factors in the operation of aero gas turbine engines at low temperatures
23 p3794 N91-31163

BATE, R. T.
Few-electron lateral resonant tunneling semiconductor devices
[AD-A236901] 19 p3255 N91-28012

BATEMAN, B. R.
Measurements of coefficients of discharge for concentric flange-tapped square-edged orifice meters in natural gas over the Reynolds number range 25,000 to 16,000,000
[PB90-219601] 01 p0039 N91-10231

BATEMAN, DON
Status of Sundstrand research
16 p2557 N91-24183

BATEMAN, G.
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946

BATEMAN, M. R.
Development methodologies for knowledge based systems: A comparative review
[BAE-WIT-RP-GEN-SWE-1996]
22 p3741 N91-30845

BATEMAN, MICHAEL J.
Constrained viscoelastic layer damping of thick aluminum plates: Design, analysis, and testing
[AD-A226556] 05 p0676 N91-13758
Constrained viscoelastic layer damping of thick aluminum plates: Design analysis, and testing
[AD-A230295] 12 p1913 N91-20523

BATEMAN, V. I.
Force reconstruction using the inverse of the mode-shape matrix
[DE91-016407] 23 p3886 N91-31689

BATEMAN, VESTA I.
Evaluation of uniaxial and triaxial shock isolation techniques for a piezoresistive accelerometer
[DE91-000773] 04 p0527 N91-12922

BATES, B.
IUE, optical and radio observations of high velocity gas components in the nearby interstellar medium
09 p1443 N91-17955

BATES, B. L.
Computational support of the X-29A Advanced Technology Demonstrator flight experiment
16 p2551 N91-24137

BATES, BEVAN D.
Nonradiative dielectric waveguide millimetre-wave integrated circuits: A review
[AD-A227760] 08 p1134 N91-16238

BATES, BRENT L.
Navier-Stokes solutions about the F/A-18 forebody-LEX configuration 02 p0147 N91-10860

BATES, D. R.
Infrared laser radar systems 07 p0943 N91-15170

BATES, DAVID R.
Ionization and neutralization processes
[AD-A230572] 12 p1876 N91-20308

BATES, HARRY
Study of wavelength division multiplexing as a means of increasing the number of channels in multimode fiber optic communication links 11 p1824 N91-20024

BATES, J. B.
Sputter deposition of lithium silicate-lithium phosphate amorphous electrolytes
[DE91-006603] 10 p1607 N91-18869
Thin film amorphous electrolytes: The Li2O-SiO2-P2O5 system
[DE91-007272] 11 p1807 N91-19925

BATES, J. K.
Mechanistic interpretation of glass reaction: Input to kinetic model development
[DE91-010794] 17 p2762 N91-25294

BATES, J. L.
Advanced materials for high-temperature solid electrolyte applications
[DE90-016328] 01 p0024 N91-10143
Advanced materials and electrochemical processes in high-temperature solid electrolytes
[DE91-005181] 10 p1521 N91-18379
Electrochemical processes at solid electrode-electrolyte-gas interfaces
[DE91-012922] 20 p3309 N91-28317
Ultra-fine powders using glycine-nitrate combustion synthesis
[DE91-012926] 20 p3325 N91-28412
Alternative materials for solid oxide fuel cells: Chromite interconnections
[DE91-014447] 20 p3369 N91-28664
Air-sintering mechanisms of chromites
[DE91-015527] 21 p3599 N91-30027

BATES, J. M.
The 0-G experiments with advanced ceramic fabric wick structures
[DE91-015531] 21 p3492 N91-29377

BATES, JAMES M.
Construction and testing of ceramic fabric heat pipe with water working fluid
[NASA-TM-103332] 10 p1595 N91-18799

BATES, L. B.
Effect of geometric parameters on the performance of second throat annular steam ejectors
[AD-A238645] 21 p3515 N91-29522

BATHA, S. H.
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-008256] 09 p1407 N91-17744

BATHA, STEVEN H.
Stimulated Raman scatter from laser-produced plasmas: Merely nonlinear or also chaotic
[DE91-001742] 05 p0718 N91-14007

BATHIAS, C.
Evaluation and modeling of delamination under static and cyclic loading 10 p1493 N91-18218

BATHKE, C. G.
ZTI: An ignition class reversed-field pinch
[DE91-000447] 04 p0584 N91-13260
ZTI: Preliminary characterization of an ignition class reversed-field pinch
[DE91-007353] 10 p1603 N91-18845

BATHKE, W.
Brazing of capillary gaps (TEXUS 2)
23 p3849 N91-31461

BATINA, JOHN T.
Aeroelastic analysis of wings using the Euler equations with a deforming mesh
[NASA-TM-102733] 01 p0004 N91-10020
Application of unstructured grid methods to steady and unsteady aerodynamic problems
02 p0146 N91-10856
Conical Euler simulation and active suppression of delta wing rocking motion
[NASA-TM-102683] 02 p0156 N91-10904
Implicit flux-split Euler schemes for unsteady aerodynamic analysis involving unstructured dynamic meshes
[NASA-TM-102732] 02 p0158 N91-10918
Temporal-adaptive Euler/Navier-Stokes algorithm for unsteady aerodynamic analysis of airfoils using unstructured dynamic meshes
[NASA-TM-102734] 02 p0158 N91-10919
Development of unstructured grid methods for steady and unsteady aerodynamic analysis
[NASA-TM-102730] 03 p0300 N91-11673
Three-dimensional flux-split Euler schemes involving unstructured dynamic meshes
[NASA-TM-102731] 03 p0300 N91-11674
Spatial adaption procedures on unstructured meshes for accurate unsteady aerodynamic flow computation
[NASA-TM-104039] 12 p1828 N91-20048
Unstructured-grid methods development: Lessons le arned
[NASA-TM-104137] 22 p3612 N91-30090
User's guide to a system of finite-element supersonic panel flutter programs
[NASA-TM-104109] 23 p3781 N91-31082
Unstructured-grid methods development for unsteady aerodynamic and aeroelastic analyses
[NASA-TM-104143] 24 p3951 N91-32084

BATISTIC, I.
X ray absorption fine structure of systems in the anharmonic limit
[DE91-016070] 24 p4097 N91-32892

BATIUK, RICHARD
Chesapeake Bay Basin Monitoring Program Atlas. Volume 1: Water quality and other physiochemical monitoring programs
[PB90-147935] 01 p0065 N91-10391
Chesapeake Bay Basin Monitoring Program Atlas. Volume 2: Biological and living resource monitoring programs
[PB90-147943] 01 p0065 N91-10392

BATRA, ASHOK K.
Growth and characterization of crystals for IR detectors and second harmonic gereration devices
19 p3268 N91-28078
Solution growth of Triglycine Sulfate (TGS) crystals on the International Microgravity Laboratory (IML-1)
19 p3269 N91-28080

BATSON, BRETT WILLIAM
Prediction of steady and unsteady flow and heat transfer over a cylinder in crossflow using a space-time marching algorithm 07 p1004 N91-15510

BATTA, GEORGE RICHARD
Real-time adaptive active control of sound fields
20 p3395 N91-28819

BATTAGLIN, G.
Defect diffusion in ion implanted glasses
[DE91-016119] 23 p3819 N91-31302

BATTERTON, PETER G.
Overview of high performance aircraft propulsion
12 p1836 N91-20089

BATTIS, JAMES C.
Data report for the 1988 Ontario-New York-New England seismic refraction experiment: Small-aperture array
[AD-A235845] 19 p3200 N91-27688

BATTISTE, R. L.
Reduction factors for creep strength and fatigue life of modified 9 Cr-1 Mo steel weldments
[DE91-009919] 15 p2445 N91-23544

BATTLES, B. E.
Simultaneous measurements of velocity, temperature, and pressure using rapid CW wavelength-modulation laser-induced fluorescence of OH
[NASA-CR-187795] 07 p1007 N91-15530

BATTLES, FRANK P.
Correlations between levels for stellar-scintillometer-derived profiles of Cn sq
[AD-A236927] 19 p3264 N91-28053

BATTOCCHIO, LUCIANO
The Columbus APM centre flexible and efficient engineering support 14 p2214 N91-22233

BATTRICK, B.
Catalogue of ESA patents
[ESA-SP-1131] 05 p0731 N91-14083
Manned space stations: Their construction, operation and potential applications
[ESA-SP-1137] 10 p1488 N91-18201
Formation of stars and planets, and the evolution of the solar system
[ESA-SP-315] 10 p1618 N91-18922
Key data on participating projects: The solar-terrestrial science project of the Inter-Agency Consultative Group for Space Science (IACG)
[ESA-SP-1107] 10 p1625 N91-18963
Catalogue of ESA publications in 1988
[ESA-SP-1088] 22 p3768 N91-31006
Catalogue of ESA publications in 1989
[ESA-SP-1089] 22 p3768 N91-31007

BATTRICK, BRUCE
Rosetta/CNSR: A comet-nucleus sample-return mission and system definition document
[ESA-SP-1125] 24 p3964 N91-32152

BATTRICK, S.
The ESA Test Data Analysis System (TDAS)
07 p0959 N91-15278

BATTS, G. W.
Atmospheric environment for space shuttle (STS-41) launch
[NASA-TM-103525] 11 p1733 N91-19529
Atmospheric environment for space shuttle (STS-38) launch
[NASA-TM-103530] 13 p2113 N91-21633
Atmospheric environment for space shuttle (STS-35) launch
[NASA-TM-103538] 17 p2813 N91-25550

BATY, R. S.
The functional dependence of trajectory dispersion on initial condition errors
[DE91-014661] 21 p3453 N91-29151

BATY, ROY S.
Instability of a supersonic shock free elliptic jet
[NASA-TM-103428] 05 p0615 N91-13413

BAUCH, L.
Oxidative procedure for activation of hydroxyl-containing polymeric carriers 14 p2295 N91-22690

BAUCHAU, OLIVIER A.
Nonlinear dynamic analysis of flexible multibody systems
[NASA-CR-187597] 24 p4030 N91-32519

BAUCOM, ROBERT M.
Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] 17 p2747 N91-25200

BAUDIN, D.
Anticipation of aerodynamic coefficients of missile air intakes 06 p0775 N91-14297

BAUDIN, G.
Medium Resolution Imaging Spectrometer (MERIS)
15 p2455 N91-23608

BAUDUIN, B.
Direct influence of chip design and material composition on GaAs/GaAlAs laser diodes reliability
24 p3992 N91-32307
BAUER, B. S.
Energetic particle production, cavition formation, and nonlinear development at a plasma density maximum
[DE91-006683] 10 p1602 N91-18836
BAUER, D. A.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836
BAUER, ERNEST
Physics of high-temperature air. Part 1: Basics
[AD-A224584] 03 p0390 N91-12171
Physics of high-temperature air. Part 2: Applications
[AD-A229778] 12 p1923 N91-20580
BAUER, G.
Airport system technical aspects
11 p1652 N91-19107
BAUER, HANS-JOERG
Examination of numerical formulations to describe complex geometry turbulent elliptical flows, using contour matched coordinates
[ETN-90-97864] 02 p0209 N91-11169
BAUER, HELMUT F.
Response of a solidly rotating amphora-type liquid column to axial excitation
[LRT-WE-9-FB-06(1990)] 11 p1704 N91-19386
Liquid sloshing response in a spinning container due to pitching excitation
[LRT-WE-9-FB-11(1990)] 11 p1704 N91-19388
Response of a differently axially excited viscous liquid layer in zero-gravity
[LRT-WE-9-FB-12(1990)] 11 p1705 N91-19389
Response of a viscous liquid layer to pitch- and roll-excitation in zero-gravity environment
[LRT-WE-9-FB-13(1990)] 11 p1705 N91-19390
Axial response of an amphora-type liquid column
[LRT-WE-9-FB-2(1990)] 14 p2265 N91-22530
Natural frequencies of a spininng amphora-type liquid column
[LRT-WE-9-FB-5(1990)] 14 p2265 N91-22531
Response of a viscous liquid layer around a center-core axial excitation in zero-gravity
[LRT-WE-9-FB-9(1990)] 14 p2265 N91-22532
Response of an annular cylindrical liquid column to various axial excitations in zero-gravity
[LRT-WE-9-FB-7(1990)] 19 p3162 N91-27481
BAUER, M. L.
Monolithic front end electronics for silicon calorimeters
[DE91-012063] 20 p3338 N91-28484
BAUER, PETER
Real-time filtering and detection of dynamics for compression of HDTV
[NASA-CR-187777] 08 p1200 N91-16596
BAUER, R.
Tribological performance and deformation of sputter-deposited MoS2 solid lubricant films during sliding wear and indentation contact
[AD-A231003] 13 p2098 N91-21547
BAUER, TERRANCE J.
Design of a sensor-blending Kalman filter for the R2P2 fine-tracking system
[AD-A225433] 04 p0518 N91-12881
BAUER, TERRY
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
BAUER, WENDY HAGEN
Status of the profession 24 p4121 N91-33031
BAUGHER, CHARLES R.
Measurement and Characterization of the Acceleration Environment on Board the Space Station
[NASA-CP-3088] 03 p0429 N91-12401
Microgravity acceleration modeling for orbital systems
03 p0432 N91-12421
Noise power spectral density of the Sundstrand QA-2000 accelerometer 03 p0433 N91-12426
Space Station Freedom Toxic and Reactive Materials Handling
[NASA-CP-3085] 07 p1078 N91-15930
BAUHAHN, P.
A 30 GHz monolithic receive module
[NASA-CR-187085] 15 p2410 N91-23346
BAUM, H. R.
Boussinesq algorithm for enclosed bouyant convection in two dimensions
[PB91-178848] 20 p3342 N91-28507
BAUM, HUGUES-PIERRE
From low to high Tc: An ultrasonic investigation of niobium single crystal and YBaCuO superconducting thin films with surface acoustic waves
08 p1237 N91-16822
BAUM, J. E.
Logical implementation of the Automatic Target Recognition Working Group (ATRWG) 9-track tape format image storage format
[AD-A236627] 19 p3152 N91-27424
BAUM, KENNETH D.
Determining concurrency in object-oriented design of real-time embedded systems using Ada
[AD-A230659] 13 p2132 N91-21738
BAUM, KLAUS
Time courses of endurance performance parameters following 500 ml blood withdrawal
11 p1743 N91-19586
Intra-individual variability V'O2 frequency responses in physically active subjects 11 p1746 N91-19601
BAUM, L.
Particulate ceramic matrix composites for high strain-rate performance
[AD-A229364] 22 p3642 N91-30269
BAUM, W. A.
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012
BAUMAN, LESLIE E.
Bias and uncertainty in the absorption emission measurement of atomic sodium density in the SSME exit plane 10 p1626 N91-18969
BAUMANN, E. D.
Electrical characterization of glass, teflon, and tantalum capacitors at high temperatures
[NASA-TM-104517] 19 p3156 N91-27444
BAUMANN, ERIC D.
High temperature power electronics for space
[NASA-TM-104375] 14 p2261 N91-22508
BAUMANN, ROBERT
The improvement of the installation of the DLR research aircraft Falcon: Description and first results
14 p2289 N91-22657
BAUMANN, THOMAS
Regeneration and characterization of protoplast-derived cell lines from Digitalis lanata EHRH. and Digitalis purpurea L. suspension cultures after electrofusion under microgravity conditions 11 p1755 N91-19652
BAUMEISTER, JOSEPH F.
Relationship of optical coating on thermal radiation characteristics of nonisothermal cylindrical enclosures
[NASA-TM-104408] 22 p3675 N91-30461
BAUMEISTER, KENNETH J.
Effect of surface deposits on electromagnetic waves propagating in uniform ducts
[NASA-TM-103282] 01 p0035 N91-10208
Tuned optimization of extended reacting acoustic liners
[NASA-TM-104431] 17 p2860 N91-25817
BAUMES, THOMAS A.
Qualification procedures for VHSIC/VLSI
[AD-A233110] 16 p2620 N91-24508
BAUMGAERTEL, H.
Anisotropic etching of crystalline silicon in alkaline solutions. Part 1: Orientation dependence and behavior of passivation layers
[MBB-Z-0311-89-PUB-1-PT-1] 03 p0339 N91-11902
Anisotropic etching of crystalline silicon in alkaline solutions. Part 2: Influence of dopants
[MBB-Z-0311-89-PUB-2-PT-2] 03 p0339 N91-11903
BAUMGAERTNER, PAUL
Civil tiltrotor missions and applications
[NASA-CR-177452] 05 p0617 N91-13424
BAUMGARDNER, DARREL
International Workshop on the Airborne Measurement of Wind, Turbulence and Position: Workshop report
[DLR-MITT-90-13] 14 p2288 N91-22652
Air motion measurement uncertainties: Their impact on atmospheric studies 14 p2288 N91-22654
BAUMGARDT, D.
Intelligent array system
[AD-A231107] 13 p2142 N91-21792
BAUMGARTEN, RALF
Analysis on forest decline classification of the beech using airborne multispectral scanner data
[DLR-FB-90-56] 15 p2456 N91-23614
BAUMJOHANNN, W.
Ion distributions and flows near the neutral sheet
[MPE-PREPRINT-179] 08 p1267 N91-16974
BAUMONT, FRANCOISE S.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
BAUSCHLICHER, CHARLES W., JR.
Theoretical study of the C-H bond dissociation energy of acetylene
[NASA-CR-187858] 08 p1105 N91-16065
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3
[NASA-TM-103391] 08 p1221 N91-16728
BAUSER, E.
Kinetic striations in Earth- and space-grown semiconductor crystals 14 p2334 N91-22904
BAUTISTA, J. J.
Performance of a high T(sub c) superconducting ultra-low loss microwave stripline filter
24 p3984 N91-32255
BAUWENS, LUC
Ramjet combustion instabilities: An analytical and numerical model 03 p0313 N91-11754
BAVINGER, BILL
Evaluation of the Trajectory Operations Applications Software Task (TOAST). Volume 2: Interview transcripts
[NASA-CR-187406] 04 p0560 N91-13103
Evaluation of the Trajectory Operations Applications Software Task (TOAST)
[NASA-CR-187408] 04 p0560 N91-13104
BAWIRZANSKI, EDUARD
Laser Doppler velocimeter measurements of the streamwise velocity component in the viscous sublayer of a turbulent channel flow
[MPIS-MITT-97] 23 p3869 N91-31582
BAXA, ERNEST G., JR.
Clutter filter design considerations for Airborne Doppler radar detection of windshear 03 p0303 N91-11690
Signal processing techniques for clutter filtering and wind shear detection 16 p2553 N91-24154
The pulse-pair algorithm as a robust estimator of turbulent weather spectral parameters using airborne pulse Doppler radar
[NASA-CR-4382] 19 p3149 N91-27402
BAXTER, C.
The development of SCORPIO as a commercial product
[PNR-90746] 03 p0375 N91-12098
BAXTER, D. J.
The role of Zr and Nb in oxidation/sulfidation behavior of Fe-Cr-Ni alloys
[DE91-005749] 10 p1498 N91-18247
BAXTER, F. PAUL
Information technology and global change science
[DE91-005020] 10 p1543 N91-18492
BAXTER, J.
Vapor deposition of polyimide and polyimide precursors on copper
[AD-A225729] 04 p0507 N91-12814
BAY, A.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836
BAYAZITOGLU, YILDIZ
Surface tension and viscosity from damped free oscillations of viscous droplets 13 p2061 N91-21346
A high temperature thermal diffusivity determination procedure for solids and liquids
13 p2066 N91-21377
BAYBA, ANDREW J.
Effect of laser fluctuations in automated solder joint inspection
[AD-A226685] 06 p0836 N91-14620
BAYER, EDWARD A.
Avidin-biotin technology 14 p2294 N91-22685
BAYER, STEVEN E.
Genetic algorithms 15 p2536 N91-24050
BAYER, THOMAS
Investigation of vegetation with multifrequency and multipolarization SAR systems 07 p0991 N91-15437
Correction of relief-induced radiometric distortions in Seasat-A SAR images for the example of the subscene of Bonn (Fed. Republic of Germany) and vicinities
[DLR-FB-90-54] 15 p2456 N91-23613
BAYEVSKIY, R. M.
State-of-the-art automated evaluation of functional state of the body in the space program and preventive medicine 18 p3022 N91-26687
BAYKARA, TARIK
Thermophysical property measurements in electromagnetic levitators 13 p2061 N91-21344
BAYLES, R. A.
Effect of ripple load on stress-corrosion cracking in structural steels
[AD-A235730] 19 p3134 N91-27318
BAYLESS, E. O., JR.
Variable polarity arc welding 14 p2358 N91-23046
BAYLESS, J. R.
Development of the arc shattering concept of energy efficient comminution of hard materials, addendum
[DE91-014291] 22 p3749 N91-30899
BAYLIS, R. J.
Slip coefficients for shear joints: The effects of dynamic loading and surface treatment 03 p0328 N91-11829
BAYLISS, ALVIN
Mappings and accuracy for Chebyshev pseudo-spectral approximations
[NASA-TM-103630] 06 p0865 N91-14781
BAYLOR, L. R.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742

Inversion of chordal data from the ATF torsatron
[DE91-010490] 15 p2511 N91-23915
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856

BAYNE, FRANCES M.
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test plan
[DOT/FAA/CT-TN90/41] 15 p2363 N91-23075
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test procedures
[DOT/FAA/CT-TN90/63] 17 p2727 N91-25100
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test report
[DOT/FAA/CT-TN90/27] 17 p2727 N91-25101

BAYONOVE, J.
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF
16 p2725 N91-25096

BAYR, KLAUS J.
Mass balance investigation of alpine glaciers through LANDSAT TM data 17 p2877 N91-25916

BAYSAL, OKTAY
Navier-Stokes solutions for flows related to store separation 02 p0147 N91-10861
Viscous flow simulations of internal store carriage and separation
[NASA-CR-185343] 18 p2922 N91-26123
Navier-Stokes calculations of scramjet-nozzle-afterbody flowfields
[NASA-CR-185356] 18 p2986 N91-26488

BAZAN, G.
Nuclear and astronomical constraints on the site for r-process nucleosynthesis
[DE91-016561] 24 p4122 N91-33038
Astrophysical neutron capture processes
[DE91-017071] 24 p4122 N91-33039

BAZAN, G. C.
Polymerization of functionalized norbornenes employing Mo(CH-t-Bu)(NAr)(O-t-Bu)2 as the initiator
[AD-A230034] 12 p1872 N91-20289

BAZAN, GUILLERMO C.
Living ring-opening metathesis polymerization of 7-oxa-2,3-difunctionalized norbornenes and norbornadienes by Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (O-t-Bu)2 and Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (OCMe2CF3)2
[AD-A235235] 18 p2965 N91-26365

BAZEEVA, V. V.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856

BAZELL, DAVID
Does CO trace H2 at high galactic latitude
06 p0900 N91-14973

BAZEN, G. C.
The synthesis of star block copolymers by controlled ring-opening metathesis polymerization
[AD-A225987] 05 p0640 N91-13551

BAZIN, M.
RADAC model deformation measurement system: First results at the F1 wind tunnel
[AAAF-NT-89-03] 23 p3784 N91-31098

BAZYLEV, V. A.
Possibility of raising efficiency of free-electron laser in longitudinal magnetic field 11 p1787 N91-19804

BEACH, TIM A.
Average-passage flow model development
16 p2587 N91-24338

BEACHELY, O. T., JR.
Indium compounds which contain two different organic substituents. Crystal structure of (In(CH2CMe3) (CH2SiMe3)Cl)2, an interesting case of partial Ligand disorder in the solid state
[AD-A236730] 20 p3424 N91-28989

BEACHLEY, O. T., JR.
(Tertiary-butyl) cyclopentadienylindium(I), In(C5H4CMe3)-synthesis, characterization, and x ray structural study
[AD-A235576] 19 p3251 N91-27982

BEAHM, L. P.
Preliminary results from the heavy ions in space experiment 16 p2710 N91-24995

BEAL, MADELEINE M.
Serrated circular apertures: Optical Fourier transforms and fractal analysis
[AD-A230834] 13 p2154 N91-21874

BEALE, D. K.
CFD calibration and application to the design of flow tailoring devices for simulating forebody influences on fighter aircraft inlet flows 17 p2772 N91-25339

BEALE, K. S.
Diagnostic measurements on an aluminized propellant plume during spin and nonspin testing
[AD-A232031] 15 p2391 N91-23235

BEALE, M. I. J.
Techniques for investigating thin-film insulators under high electric fields
[RSRE-MEMO-4401] 09 p1326 N91-17283

BEALS, DAVID C.
Spiral lead platen robotic end effector
[NASA-CASE-LAR-13855-1] 06 p0835 N91-14615
CETA truck and EVA restraint system
16 p2639 N91-24604

BEAM, EDWARD
Selective heteroepitaxial growth of compound semiconductors
[AD-A230016] 12 p1986 N91-20929

BEAMON, WILLIAM S.
Raster graphic helmet-mounted display study
[NASA-CR-4331] 06 p0784 N91-14347

BEAN, ALAN J.
Hypervelocity impact physics
[NASA-CR-4343] 11 p1663 N91-19164

BEAR, J.
Cerebral-body perfusion model
[AD-A227851] 07 p1036 N91-15683

BEAR, MARK F.
Synaptic plasticity in visual cortex: Comparison of theory with experiment
[AD-A236223] 19 p3209 N91-27738

BEARD, S.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157

BEARDSLEY, B. J.
A correlation between changes in solar luminosity and differential radius measurements
03 p0441 N91-12466

BEARMAN, PETER
Effects of three-dimensional imposed disturbance on bluff-body near wake flows
[AD-A232137] 15 p2428 N91-23447

BEASLEY, K.
High performance packages for space applications
24 p3993 N91-32311

BEASLEY, M. R.
Superconductivity and superconductive electronics
[AD-A230409] 12 p1989 N91-20947
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
Evidence for cation disorder in in-situ grown YBaCuO superconducting films
[DE91-016760] 24 p4110 N91-32971

BEASOCK, JOSEPH V.
Closed loop digital and computer control of an ultragravimetric microbalance
[AD-A229276] 09 p1374 N91-17553

BEASON, S. C.
Digital roughness gauge
[PB91-119750] 12 p1900 N91-20448
Geological Gyrocompass
[PB91-119743] 12 p1900 N91-20449

BEATEN, J. C. M.
Real time process algebra
[CWI-CS-R9053] 17 p2845 N91-25722

BEATON, ROBERT M.
Planning and planning management for autonomous and semi-autonomous vehicles 17 p2732 N91-25127

BEATOVICH, GARY
A case study of manned strategic bomber acquisition: The B-70 Valkyrie
[AD-A229545] 22 p3609 N91-30074

BEATTIE, CHRISTOPHER A.
Model correlation and damage location for large space truss structures: Secant method development and evaluation
[NASA-CR-188102] 13 p2039 N91-21213

BEATTY, JOHN H.
Formation of controlled adiabatic shear bands in AISI 4340 high strength steel
[AD-A230999] 13 p2053 N91-21300

BEATTY, PAUL A.
Dynamics of face and annular seals with two-phase flow
[NASA-CR-4256] 18 p2984 N91-26479

BEATTY, R. L.
Microwave sintering of zirconia-toughened alumina composites
[DE91-007185] 10 p1501 N91-18262

BEATTY, TIMOTHY JON
Lidar studies of sporadic sodium layers, gravity waves and density spectra in the mesopause and stratopause regions at Urbana and Arecibo
20 p3373 N91-28690

BEATY, JAMES S.
Glossary of optical communication terms
[DOT/FAA/CT-TN91/9] 19 p3149 N91-27403

BEAUBOUEF, T.
Multispectral imagery support for ocean venture 90
[AD-A227119] 06 p0851 N91-14697

BEAUCHAMP, J. J.
Analysis of southeastern Canada lake-water chemistry data in relation to acidic deposition
[DE91-014957] 20 p3371 N91-28674

BEAUDET, P.
Failure analysis case histories of Canadian forces aircraft landing gear components 20 p3282 N91-28151

BEAUDOIN, REJEAN
A modern approach to battery testing: Infrared thermography and voltage noise measurements
[CTN-91-60215] 22 p3669 N91-30429

BEAUJEAN, R.
Heavy ion measurement on LDEF
16 p2710 N91-24996
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF
16 p2725 N91-25096

BEAULIEU, SYLVIE
H I and mass distribution of GR8
08 p1250 N91-16884

BEAURAIN, A.
Materials and material systems for combined cycle engines 15 p2381 N91-23178

BEAUSANG, C. W.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798

BEAUSSANT, R.
Morphological and functional adaptation of personal equipment designed for female personnel
02 p0247 N91-11374

BEAVIS, L.
Proceedings of the First Switch Tube Advanced Technology Meeting
[DE91-012634] 21 p3503 N91-29440

BEBRICH, C. A.
Work plan for the preliminary site investigation for McMurdo Station, Ross Island, Antarctica
[DE91-015100] 20 p3371 N91-28675

BECCARD, B.
C-rich micrometeorites on the early Earth and icy planetary bodies 10 p1622 N91-18947

BECHANE, KARIM
Formalizing developments: From theory to practice
04 p0485 N91-12697

BECHER, P. F.
Effect of whisker surface treatments and processing conditions on the SiC/Al2O3 interface
[DE91-004780] 07 p0970 N91-15326
Development of toughened ceramics for elevated temperatures
[DE91-015923] 23 p3819 N91-31301
Advances in the design of toughened ceramics
[DE91-016767] 24 p3979 N91-32228

BECHER, PAUL F.
Reinforced ceramics employing discontinuous phases
[DE91-000399] 03 p0344 N91-11928

BECHLER, B.
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
Lymphocytes on sounding rockets
11 p1749 N91-19620
Increased mitogenic response in lymphocytes from chronically centrifuged mice 11 p1752 N91-19634

BECHTLE, PERRY
Venipuncture and intravenous infusion access during zero-gravity flight 24 p4079 N91-32788

BECK, F. B.
Transverse electric scattering widths for strips-Fourier transform technique
[NASA-TM-102729] 19 p3148 N91-27401

BECK, HAROLD L.
Rn222, Rn222 progeny and Rn220 progeny as atmospheric tracers of air masses at the Mauno Loa Observatory
[DE90-014872] 01 p0093 N91-10539

BECK, J. P.
Effect of aircraft emissions on atmospheric ozone in the Northern Hemisphere
[PB91-172072] 19 p3188 N91-27628

BECK, JACOB
Stereopsis and the combination of surface cues
[AD-A225109] 03 p0395 N91-12197

BECK, N. J.
A methodology for inhibiting the formation of pollutants in diesel engines
[DE90-011615] 21 p3526 N91-29584

BECK, R. N.
Nuclear medicine and imaging research: Quantitative studies in radiopharmaceutical science
[DE91-015447] 23 p3898 N91-31759

BECK, SHERWIN M.
Technology for the Future: In-Space Technology Experiments Program, part 1
[NASA-CP-10073-PT-1] 19 p3109 N91-27177
Technology for the Future: In-Space Technology Experiments Program, part 2
[NASA-CP-10073-PT-2] 19 p3109 N91-27178
BECK, W. J. C.
Comparison of spectral estimators application to ground sensor signals
[FEL-1988-85] 05 p0649 N91-13605
BECKER, BRIGITTE KARIN
The integral equation method for an elliptic boundary value of the half integer characteristic
[ETN-91-98167] 06 p0865 N91-14779
BECKER, C. H.
Ultrafast laser techniques
[AD-A236688] 19 p3172 N91-27536
BECKER, CURTIS A.
User acceptance of intelligent avionics: A study of automatic-aided target recognition
[NASA-CR-177583] 17 p2824 N91-25601
BECKER, DOROTHY L.
The 26th JANNAF Combustion Meeting, volume 2
[CPIA-PUBL-529-VOL-2] 09 p1298 N91-17125
BECKER, EARL M., JR.
RF lockout circuit for electronic locking system
[AD-D014887] 19 p3155 N91-27442
BECKER, H.
Flight testing of a redundant FBW/FBL helicopter control system 04 p0486 N91-12703
BECKER, J.
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 1: Fighter airplanes and helicopters 02 p0161 N91-10931
BECKER, J. A.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
BECKER, K.
Proceedings of 2nd US/FRG Workshop on Photochemical Ozone Problem and its Control
[PB91-211847] 24 p4042 N91-32583
BECKER, KLAUS
Laser-induced fluorescence and nonlinear optical properties of ion-implanted fused silica
[DE91-004523] 09 p1317 N91-17232
BECKER, LEE
Translating expert system rules into Ada code with validation and verification
[NASA-CR-187505] 18 p3043 N91-26800
BECKER, M.
Second-generation central receiver technology comparison
[DE91-012865] 20 p3367 N91-28653
BECKER, SHIRLEY ANN
The analysis and design of concurrency using box structures 03 p0427 N91-12391
BECKER, U.
Guideline for orbital service technology (LOS)
[MBB-UO-0083-90-PUB] 03 p0321 N91-11794
BECKER, WAYNE
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
Bonded/fusion repair of aircraft structures 16 p2554 N91-24160
Mechanical paint removal techniques for composite aircraft 16 p2555 N91-24163
BECKERMAN, M.
Ultrasound and visual sensor feedback and fusion
[DE90-005280] 08 p1156 N91-16369
Performance of multiple tasks by an autonomous robot using visual and ultrasound sensing
[DE90-010719] 09 p1344 N91-17383
DEMO 89: The initial experiment with the HERMIES-3 robot
[DE90-017765] 11 p1716 N91-19447
Performance of visual and ultrasound sensing by an autonomous robot
[DE91-010452] 15 p2439 N91-23511
Proposal for continued basic research in intelligent machines at the Center for Engineering Systems Advanced Research: Fiscal years 1992-1996
[DE91-012997] 20 p3390 N91-28784
BECKERS, PHILIPPE
Mathematical and numerical modeling of internal waves in Lake Geneva (Switzerland) 12 p1898 N91-20437
BECKLIN, ERIC
Infrared astronomy 24 p4119 N91-33019
BECKMAN, A. W.
Hybrid propulsion technology program: Phase 1, volume 4
[NASA-CR-183975] 01 p0019 N91-10114
BECKMAN, T. M.
Feasibility of a laser-ignited HMX deflagration-to-detonation transition device for the US Navy LITES Program
[DE91-015210] 21 p3493 N91-29382
BECKS, VIRGINIA
Directory of Organizational Technical Report Acronym Codes (DOTRAC)
[AD-A237000] 20 p3437 N91-29072
BECKSTEAD, J.
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960
BECKSTEAD, J. A.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535
Sawteeth in the MST reversed field pinch
[DE91-014288] 20 p3446 N91-29126
BECKSTEAD, M. W.
Stability testing of full scale tactical motors 16 p2577 N91-24281
Nonlinear stability testing and pulsing of full scale tactical motors 16 p2577 N91-24282
BECKWITH, STEVEN V. W.
Optical/IR from ground 24 p4119 N91-33020
BEDAIR, SALAH
Atomic layer epitaxy of silicon, silicon/germanium, and silicon carbide via extraction/exchange processes
[AD-A231348] 13 p2163 N91-21927
Defect reductions in epitaxial growth using superlattice buffer layers
[AD-A237710] 21 p3596 N91-30005
Atomic layer epitaxy group IV materials: Surface processes, thin films, devices and their characterization
[AD-A238506] 21 p3598 N91-30019
BEDARD, ROGER J., JR.
NASA Planetary Rover Program 12 p1936 N91-20651
BEDDINI, ROBERT A.
Effects of turbulence on stationary and nonstationary processes in C-systems
[AD-A227067] 06 p0827 N91-14569
BEDELL, K.
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300
BEECHER, JODY E.
Photogeneration of reactive amine functionalities within polymers: Synthesis of photoprecursor copolymers and their use in photocuring
[AD-A235847] 19 p3139 N91-27343
BEECHER, STEPHEN CLINTON
Thermal transport properties of selected advanced ceramic composites 17 p2745 N91-25187
BEECHING, M. J.
Precision crystal alignment for high-resolution electron microscope imaging
[DE91-619397] 16 p2696 N91-24929
BEEKE, K. L.
NICAM 728: Factors affecting the assessment of UHF transmitter linearity
[BBC-RD-1990/9] 08 p1126 N91-16190
BEEKMAN, DOUGLAS H.
Cryogenic Orbital Nitrogen Experiment (CONE): Phase A/B design study
[NASA-CR-187230] 24 p3968 N91-32166
BEEKMAN, W.
Evaluation of crop transpiration with remote sensing and computer simulation models
[REPT-1] 08 p1168 N91-16431
BEELER, RICHARD M.
Dynamics of face and annular seals with two-phase flow
[NASA-CR-4256] 18 p2984 N91-26479
BEEMAN, J. W.
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
Long-wavelength germanium photodetectors by ion implantation
[DE91-013848] 20 p3432 N91-29038
BEEMAN, JEFFREY
Pyroelectric detectors 06 p0794 N91-14390
BEER, STEFAN
Theoretical investigation of the injection and evaporation of water in a hydrogen/oxygen steam generator
[DLR-FB-90-20] 13 p2164 N91-21938
BEERMAN, HENRY P.
Propulsion simulation for magnetically suspended wind tunnel models
[NASA-CR-182093] 02 p0182 N91-11027
BEERS, J. N. P.
The application of trajectory prediction algorithms for planning purposes in the Netherlands ATC-system 02 p0173 N91-10986
BEERY, GIDEON A.
Parallel symbolic processing. A language (SYMPAL) and a working environment
[ITN-90-85026] 07 p1039 N91-15701
BEERY, J. G.
The physical and chemical state of Westinghouse Phosphoric Acid Fuel Cell assemblies after long term operation: Surface and near-surface analysis
[DE90-015055] 01 p0063 N91-10382
BEGAULT, DURAND R.
Technical aspects of a demonstration tape for three-dimensional sound displays
[NASA-TM-102826] 04 p0553 N91-13066
BEGELMAN, MITCHELL C.
Interferometry 24 p4119 N91-33022
BEGG, E. K.
Characterization of flow in a scroll duct
[NASA-CR-188612] 17 p2777 N91-25367
BEGHIN, C.
Electron gyro-harmonics generated by spaceborne artificial electron beam 10 p1552 N91-18533
BEGIN, F.
Second generation supersonic transport aircraft: Low speed aerodynamics
[AAAF-NT-89-02] 23 p3790 N91-31137
BEGIS, D.
Aerodynamic computation post processing tools
[AAAF-NT-89-20] 24 p3949 N91-32073
BEGUELIN, A.
Solving computational grand challenges using a network of heterogeneous supercomputers
[DE91-013725] 20 p3385 N91-28755
A users' guide to PVM (parallel virtual machine)
[DE91-016934] 23 p3914 N91-31855
BEHAR, ISAAC
Visual Survey of Apache Aviators (VISAA)
[AD-A230201] 12 p1931 N91-20624
BEHBEHANI, ROXANNA
Variable Sweep Transition Flight Experiment (VSTFE): Unified Stability System (USS). Description and users' manual
[NASA-CR-181918] 16 p2551 N91-24139
BEHLING, MICHAEL
Intrepid: A mission to Pluto 08 p1101 N91-16047
BEHM, C. J.
Wideband HF noise/interference modeling, part 1. First-order statistics. Technical memorandum series
[PB91-208454] 24 p3988 N91-32281
BEHNKEN, H.
The x ray elastic constants of ceramic materials for the determination of the stresses from lattice expansion measurements 05 p0639 N91-13541
BEHR, FRANZ-JOSEF
Use of CCD cameras for the differential restitution of photogrammetric snapshots
[SER-C-356] 09 p1340 N91-17357
BEHR, V. L.
The development of a ram air decelerator for the recovery of artillery shells
[DE91-007732] 11 p1643 N91-19064
The design and flight testing of a high-performance low-cost parachute system for a 1000 lb payload
[DE91-007733] 11 p1644 N91-19065
BEHRENS, CHRISTOPHER K.
An experimental investigation into NO(x) control of a gas turbine combustor and augmentor tube incorporating a catalytic reduction system
[AD-A231427] 14 p2195 N91-22124
BEHRENS, RICHARD T.
Subspace signal processing in structured noise
[AD-A231396] 14 p2256 N91-22476
BEHRLE, R.
The slow-rotating centrifuge microscope (NIZEMI): A new research tool for terrestrial and space-related gravitational biology 11 p1757 N91-19663
BEHRMANN, P.
Containerless processing in the European microgravity programme 13 p2059 N91-21337
BEHRMANN, PETER
Some aspects of European microgravity utilisation 07 p0948 N91-15206
BEHROOZI, V.
Implementation of FFT and pulse compression routines on the SPT frequency domain array processor
[AD-A231320] 13 p2077 N91-21443
BEHUN, VAUGHN D.
Linear mass actuator
[NASA-CASE-LAR-14352-1] 24 p4028 N91-32511

BEICHMAN, CHARLES A.
The confusion limits to the sensitivity of submillimeter telescopes 13 p2174 N91-22001
Submillimeter astronomy and low mass star formation 13 p2176 N91-22012
Working Papers: Astronomy and Astrophysics Panel Reports [NASA-CR-188785] 24 p4118 N91-33017
Status of the profession 24 p4121 N91-33031

BEIER, BERNHARD
Characterization of composite materials for aerospace materials [DLR-MITT-90-15] 15 p2393 N91-23246

BEIER, E. W.
Status of solar neutrino experiments [DE91-007468] 10 p1625 N91-18964
The Sudbury Neutrino Observatory project and the Kamiokande 2 project [DE91-010641] 15 p2503 N91-23863

BEIER, EUGENE W.
Particle astrophysics 24 p4120 N91-33024

BEIER, W.
Reaction kinetics in glass melts: Corrosion of SiO2 (TEXUS 4) 23 p3831 N91-31364
Special refractive index profiles in glasses obtained by ion exchange (TEXUS 19) ESA 23 p3831 N91-31369

BEIERSDORFER, P.
Inner-shell ionization of lithium-like chromium ions [DE91-001749] 05 p0713 N91-13981
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT [DE91-015786] 21 p3578 N91-29903

BEIG, K. W.
Inertial confinement fusion with light ion beams [DE91-001224] 04 p0585 N91-13266

BEIJER, NICOLINE ANNETTE
NAD(+)-NADH modelling studies: An enzymatic and chemical approach [ETN-91-99175] 14 p2297 N91-22699

BEISSNER, FRED L., JR.
Concept development of a Mach 4 high-speed civil transport [NASA-TM-4223] 05 p0619 N91-13432

BEITER, C. A.
Nonlinear stability testing and pulsing of full scale tactical motors 16 p2577 N91-24282

BEITZ, JAMES V.
Vibronic interaction and crystal structure distortion in Cm4(+):CeF4 [DE91-006093] 09 p1415 N91-17787

BEJCZY, A. K.
Performance capabilities of a JPL dual-arm advanced teleoperation system 12 p1935 N91-20646

BEJCZY, ANTA K.
Highly parallel computer architecture for robotic computation [NASA-CASE-NPO-17632-1-CU] 24 p4082 N91-32805

BEKEFI, GEORGE
Microwigglers for submillimeter wavelength free-electron lasers [AD-A229394] 22 p3681 N91-30497

BEKETOV, A. I.
Cerebral-vascular effects of motion sickness 10 p1561 N91-18584

BEKLEMISHEV, A. D.
Nonlinear saturation of ideal interchange modes in a sheared magnetic field [DE91-000575] 02 p0275 N91-11548
Toroidal plasma reactor with low external magnetic field [DE91-011522] 17 p2869 N91-25870
Transport profiles induced by radially localized modes in tokamak [DE91-014366] 20 p3420 N91-28964

BEL, N.
Grains charges in interstellar clouds 06 p0899 N91-14967

BELAEVA, M.
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588

BELAK, JAMES F.
A molecular dynamics model of the orthogonal cutting process [DE90-015911] 02 p0220 N91-11230

BELCHAMBER, RONALD MALCOLM
Method for monitoring acoustic emissions [EP-PATENT-0-317-322-A2] 07 p1062 N91-15841

BELCHER, JEWELL G., JR.
Rotationally actuated prosthetic helping hand [NASA-CASE-MFS-28426-1] 24 p4080 N91-32795

BELCHER, JOHN W.
Mercury Orbiter: Report of the Science Working Team [NASA-TM-4255] 10 p1624 N91-18960

BELCHER, ROBERT W.
Extremely High Frequency (EHF) Low Probability of Intercept (LPI) communication applications [AD-A226653] 05 p0647 N91-13591

BELCINSKI, R.
Inclusive D*(+,-) production in photon-photon collisions [NIKHEF-H/90-16] 14 p2324 N91-22836

BELEGUNDU, A. D.
Exponential approximations in optimal design 01 p0052 N91-10311

BELENOV, E. M.
Coherent effects in generation of ultrashort light pulses by semiconductor injection laser 11 p1790 N91-19820

BELETIC, JAMES WILLIAM
Speckle imaging of complicated objects 02 p0288 N91-11617

BELFIORE, J. S.
Satellite data derived estimates of erosion parameters for reentry vehicles [AD-A234792] 18 p2935 N91-26189

BELIAN, R. D.
Solar particle events during the rising phase of solar cycle 22 [DE91-016042] 24 p4124 N91-33049

BELIEN, MARCEL J.
Project Hitch Hiker: A feasibility study for a small telecommunication satellite [LR-644] 11 p1664 N91-19169

BELIFANTE, AXEL
The term processor Kimwitu: A system for generating language-based software [MEMO-INF-90-70] 22 p3733 N91-30789

BELISLE, CLAUDE
Energy consumption and power requirement for an EHF SATCOM manpack terminal [DREO-89-7] 22 p3663 N91-30391

BELJAJEVA, I.
Is physiological tremor (microvibration) influenced by microgravity 11 p1745 N91-19595

BELKAHLA, SOLIMAN
Development and characterization of low temperature Cu-Al-Be shape memory alloys [ISAL-90-0093] 23 p3815 N91-31284

BELKIN, BRENDA L.
Quantitative knowledge acquisition for expert systems 12 p1943 N91-20692
Knowledge acquisition for expert systems using statistical methods 17 p2732 N91-25129

BELL, C. P.
Digital audio broadcasting: The first UK field trial [BBC-RD-1991/2] 17 p2766 N91-25311

BELL, CHARLES E.
Pulsed laser beam deviation apparatus [AD-D014781] 12 p1905 N91-20480

BELL, CHARLES W.
An investigation of the methodology for software translation from PASCAL to C of an undocumented microcomputer program [AD-A229033] 09 p1384 N91-17615

BELL, EDWIN VERN, II
The impact of trapped radiation on natural satellites imbedded in planetary magnetospheres 17 p2919 N91-26108

BELL, G. E. C.
High-temperature solution annealing as an IASCC mitigation technique [DE91-012220] 20 p3315 N91-28352

BELL, GERALD DOUGLAS
Midtropospheric cutoff cyclogenesis 07 p1029 N91-15650

BELL, J. B.
Numerical simulation of a viscous vortex ring interaction with a density interface [DE91-002790] 15 p2424 N91-23429
Hairpin vortices, singularities, and transition to turbulence in three-dimensional shear flows [DE91-002792] 15 p2425 N91-23430
An efficient second-order projection method for viscous incompressible flow [DE91-011533] 17 p2777 N91-25372
Vorticity intensification and transition to turbulence in a three-dimensional shear flow [DE91-011538] 17 p2778 N91-25373
Conservative front-tracking for inviscid compressible flow [DE91-011534] 17 p2778 N91-25377
Numerical simulation of a viscous vortex ring interaction with a density interface [DE91-011532] 21 p3510 N91-29489

BELL, J. D.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron [DE90-017734] 02 p0273 N91-11536
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe [DE90-011709] 09 p1400 N91-17707
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron [DE91-010807] 17 p2866 N91-25856
Characteristics of edge plasma turbulence on the ATF torsatron [DE91-012981] 20 p3417 N91-28947

BELL, J. F.
The spectral relationships between NEA and the meteorites: An overview using principal components analysis 17 p2904 N91-26037

BELL, M.
The CIT physics program [DE90-012134] 08 p1229 N91-16774

BELL, P.
Soft x ray detection with diamond photoconductive detectors [DE91-000418] 04 p0585 N91-13264
Time response of fast-gated microchannel plates used as x ray detectors [DE91-006243] 09 p1330 N91-17308

BELL, P. E.
Measurements with a 35 psec gate time microchannelplate camera [DE91-006701] 11 p1707 N91-19400

BELL, P. M.
Multiframe x ray images from a single meander stripline coated on a microchannel plate [DE90-010741] 08 p1131 N91-16224
Sub 100-psec x ray gating cameras for ICF imaging applications [DE91-011202] 17 p2780 N91-25385

BELL, R. GLENN
Computer modeling of 12-inch actuator shock test performance [DE90-017038] 02 p0184 N91-11033

BELL, R. GLENN, III
Evaluation of uniaxial and triaxial shock isolation techniques for a piezoresistive accelerometer [DE91-000773] 04 p0527 N91-12922

BELL, R. L.
A modified SLIC material interface reconstruction algorithm for Eulerian codes [DE91-009175] 13 p2133 N91-21740

BELL, SALLY
Techniques to aid DoD writers in developing user-oriented directives [AD-A229962] 12 p1997 N91-20991

BELL, WAYNE
Data Multiplexing Network (DMN), phase 3: Equipment Operational Test and Evaluation (OT&E)/Integration test plan [DOT/FAA/CT-TN91/24] 24 p3988 N91-32283

BELLAN, J.
Spray combustion modeling and evaluation [DE91-007923] 13 p2047 N91-21264

BELLAN, JOSETTE
Spray combustion modeling and evaluation [NASA-CR-187887] 08 p1107 N91-16078

BELLANCA, S.
Special requirements in the design of a sensor test and integration laboratory 11 p1659 N91-19141

BELLAVIA, DAVID C.
Forces and pressures induced on circular plates by a single lifting jet in ground effect [NASA-TM-102816] 14 p2187 N91-22077
Suckdown, fountain lift, and pressures induced on several tandem jet V/STOL configurations [NASA-TM-102817] 16 p2546 N91-24108

BELLE, STEVEN D.
A NASA/RAE cooperation in the development of a real-time knowledge-based autopilot [NASA-TM-104234] 24 p4090 N91-32850

BELLIN, GIANLUIGI
Mechanizing proof theory: Resource-aware logics and proof transformations to extract implicit information [AD-A227147] 06 p0861 N91-14758

BELLMANN, ULRICH
Measuring device for checking and developing radio clock receivers [ETN-91-98792] 10 p1515 N91-18342

BELLO-TORRES, OMAR
A simple zonal average energy budget model of the earth-atmosphere system 02 p0236 N91-11316

BELLUCCI, G.
The visible channel of OMEGA-VIMS, Mars-94 [IFSI-90-1] 03 p0439 N91-12454
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission [IFSI-90-7] 04 p0609 N91-13389

VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390
BELMESK, Z.
Generalization of the FP2 parallel language by means of net theory
[RR-832-I-IMAG-99-LIFIA] 15 p2489 N91-23780
BELMONT, G.
Non-linear evolution of the Kelvin-Helmholtz instability: Constraints on multipoint measurements 01 p0071 N91-10430
BELOOZEROVA, I. N.
Human and animal results on vestibular research in space: VERIS 11 p1753 N91-19642
BELOT, C.
Characterization and optimization of a pneumatic injector for a 60 bar combustion chamber
[ETN-90-97580] 02 p0192 N91-11076
BELOV, A.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
BELTON, M.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results 11 p1821 N91-20002
BELTON, MICHAEL J. S.
Planetary astronomy 24 p4120 N91-33027
BELTON, MICHAEL S. J.
Spectra of comet P/Halley at R = 4 - 8 AU 17 p2897 N91-26014
BELUSAR, CURT
Millimeter wave TWT life test monitor
[AD-A226111] 04 p0527 N91-12920
BELVIN, W. K.
The Langley Research Center CSI phase-0 evolutionary model testbed-design and experimental results
[NASA-TM-102762] 10 p1536 N91-18455
BELVIN, W. KEITH
Active vibration absorber for CSI evolutionary model: Design and experimental results
[NASA-TM-104048] 13 p2104 N91-21578
Second-order discrete Kalman filtering equations for control-structure interaction simulations
[CU-CSSC-91-5] 13 p2131 N91-21731
Parallel computations and control of adaptive structures 13 p2131 N91-21732
BELY, P. Y.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
BELYAEV, M. Y.
Flight control during investigations on board specialized space module of the 'Gamma' project 14 p2213 N91-22229
BELYTSCHKO, T.
Probabilistic finite elements for fracture and fatigue analysis 16 p2586 N91-24332
BELYTSCHKO, TED
Contact-impact algorithms for penetration studies
[AD-A231049] 14 p2304 N91-22733
Fission-fusion adaptivity in finite elements for nonlinear dynamics of shells
[AD-A238029] 21 p3532 N91-29626
BELZ, FRANK
Report on the Software Technology for Adaptable, Reliable Systems (STARS) Conference on Frameworks Convergence
[AD-A239691] 23 p3915 N91-31862
BEMENT, LAURENCE J.
Improving the performance of blasting caps
[NASA-CASE-LAR-13832-1] 20 p3330 N91-28444
Apparatus and method for explosive bonding to edge of flyer plate
[NASA-CASE-LAR-14096-1] 23 p3852 N91-31476
Ignitability test method and apparatus
[NASA-CASE-LAR-14454-1] 24 p3973 N91-32196
BEN-AMRAM, AMIR M.
On pointers versus addresses
[ITN-90-85044] 07 p1041 N91-15708
BEN-JACOB, ESHEL
Exploring the mesoscopic domain where classical and quantum phenomena meet 15 p2499 N91-23843
BEN-SHMUEL, S.
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
BEN-SHOSHAN, MARCIA
Synthesis and studies of new bimane derivatives
[ITN-91-85072] 07 p0977 N91-15359
BEN-TZUR, M.
Interfacial reactions between thin films of Co and InP(100)
[DE91-011910] 17 p2874 N91-25896
BEN-ZVI, I.
Proposed UV-FEL user facility at BNL
[DE91-001131] 04 p0530 N91-12938
BENAK, T.
Assessment of impact damage in toughened resin composites
[NAE-LTR-ST-1695] 21 p3469 N91-29236
BENAMOR, S.
Digital ASIC design for space applications 24 p3991 N91-32300
BENARD, D. J.
Model studies of CBES decomposition (FN3/BiF chemical laser)
[AD-A229427] 22 p3681 N91-30498
BENARY, V.
An on-line computerized system for blood-flow measurements 15 p2498 N91-23834
BENAYA, TAMAR
An Application Generator (AG) for a family of Real-Time Monitor and Control Systems (RTMCS)
[ITN-91-85090] 12 p1955 N91-20752
BENCH, G.
Scanning Transmission Ion Microscopy (STIM): A new technique for density mapping of microstructures
[DE91-011917] 20 p3396 N91-28825
BENCI, JOHN
Rapid solidification processing of Al3Ti and Al3Ti plus copper
[AD-A236600] 20 p3314 N91-28343
BENCIC, TIMOTHY J.
Flow visualization and hot gas ingestion characteristics of a vectored thrust STOVL concept 12 p1836 N91-20090
Hot gas ingestion test results of a two-poster vectored thrust concept with flow visualization in the NASA Lewis 9- x 15-foot low speed wind tunnel
[NASA-TM-103258] 13 p2020 N91-21116
BENCK, R. F.
Explosive consolidation of combustion synthesized TiB2 and TiC: Microstructural properties
[AD-A226390] 04 p0504 N91-12800
BENCZE, DANIEL P.
Navier-Stokes simulation of inlet flow fields-experimental verification 17 p2773 N91-25344
BENDER, H. J.
Alternative life cycle models for spacecraft mission operations software development 14 p2218 N91-22260
BENDER, J. M.
A simple screw thread model for use in finite element stress analysis
[AD-A210233] 01 p0050 N91-10300
BENDER, K.
Flight testing of a redundant FBW/FBL helicopter control system 04 p0486 N91-12703
BENDER, L.
Regional oxidant model user's guide. Part 1: The ROM preprocessors
[PB91-171926] 20 p3369 N91-28665
Regional oxidant model user's guide. Part 2: The ROM processor network
[PB91-171934] 20 p3369 N91-28666
BENDER, O.
Concept for a multipolarization X-band SAR on EOS 07 p0993 N91-15450
BENDER, PETER
Interferometry 24 p4119 N91-33022
BENDER, RALF
Stellar kinematics of elliptical galaxies in pairs 08 p1245 N91-16862
BENDER, S. C.
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
Interferometric results from Boeing grazing incidence ring resonator FEL
[DE91-016305] 24 p4023 N91-32484
BENEDEK, R.
Interactions of energetic particles and clusters with solids
[NASA-CR-188000] 10 p1606 N91-18865
Photoemission measurement of Fermi surface, band dispersion, and quasiparticle lifetime in YBa2Cu3O6.9
[DE91-015194] 21 p3593 N91-29989
BENEDETTI, G. A.
Dynamic stability of a spinning tube conveying a fluid through a symmetrical noncircular cross-section
[DE91-004146] 06 p0828 N91-14573
BENEDETTO, JOHN J.
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
BENEDICTUS, H.
Flight deck development and the engineering pilot 03 p0315 N91-11764
BENEDIKTSSON, JON ATLI
Statistical methods and neural network approaches for classification of data from multiple sources
[NASA-CR-188207] 15 p2490 N91-23786
BENEDITODIEHL, JOAO
Fundamental concepts for utilization of the FPS-5410 array processor
[INPE-5091-RPE/624] 02 p0250 N91-11388
Utilization of GPIOP in the matrix processor FPS-5410
[INPE-5152-RPE/634] 13 p2134 N91-21747
BENETTILATTARI, CLEITON JONI
Exploration of decreased solar activity state (small intensity activity) in the corona and chromosphere
[INPE-5059-TDL/405] 02 p0295 N91-11652
BENFER, RICHARD H.
Hot isostatic pressing of superconducting ceramics
[AD-A230355] 12 p1874 N91-20297
BENFORD, GREGORY
Work performed experiments: 1989-1990
[AD-A235221] 18 p2980 N91-26457
BENGTSSON, P.
Radiating payload testing in the large compact payload test range at ESTEC 07 p0960 N91-15287
BENHENNI, KARIM
Sampling designs for estimating integrals of stochastic processes using quadratic mean derivatives
[AD-A225961] 04 p0577 N91-13207
BENIEN, H.
D.C. magnetron sputtering of oxidation-resistant Cr and CrN films/monitored by optical emission spectrometry
[MBB-Z-0318-90-PUB] 07 p0978 N91-15366
Magnetron sputtering on 3-dimensional shaped components: Coating less accessible parts through substrate motion
[MBB-Z-0308-90-PUB] 22 p3651 N91-30320
BENIEN, HANNELORE
Application of functional gradient materials in the aerospace industry
[MBB-Z-0320-90-PUB] 11 p1690 N91-19311
BENINGA, K.
Parabolic dish photovoltaic concentrator development
[DE91-016868] 23 p3891 N91-31714
BENJAMIN, R. F.
Shock and reshock of an unstable fluid interface
[DE91-014737] 20 p3346 N91-28528
BENN, DOUGLAS FRANK
The use of software metrics to evaluate information systems 24 p4116 N91-33003
BENN, K.
Small Engine Component Technology (SECT)
[NASA-CR-175078] 16 p2561 N91-24205
BENNER, ROBERT E.
Massively parallel computing system
[DE90-014683] 01 p0111 N91-10648
BENNER, WILLIAM
Flight Service Automation System (FSAS) Model 1 Full Capacity (M1FC) Operational Test and Evaluation (OT/E)/integration test report
[DOT/FAA/CT-TN90/45] 14 p2191 N91-22100
BENNET, JAY
Manufacturing processes 20 p3298 N91-28244
BENNETT, B. I.
Quantum mechanical effects on the shock Hugoniot
[DE91-014750] 20 p3364 N91-28636
BENNETT, B. L.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
BENNETT, BRADFORD C.
Power-on performance predictions for a complete generic hypersonic vehicle configuration
[NASA-CR-188152] 14 p2187 N91-22079
BENNETT, C. A.
Initial calorimetry experiments in the Physics Divsion, ORNL (Oak Ridge National Laboratory)
[DE90-010301] 08 p1226 N91-16756
BENNETT, C. L.
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
BENNETT, D. W.
Technology modernization assessment flexible automation
[DE91-005620] 11 p1778 N91-19751
Robotic mannequin technology for enhanced product testing
[DE91-013787] 20 p3356 N91-28591
BENNETT, DAVID J.
The control of human arm movement: Models and mechanical constraints
[AD-A228690] 09 p1372 N91-17543
BENNETT, E. F.
The measurement of gamma heating in a fusion blanket test assembly
[DE90-011154] 08 p1227 N91-16766

BENNETT, GARY L.
Enhancing space transportation: The NASA program to develop electric propulsion
[NASA-TM-4244] 11 p1666 N91-19181
The OAST space power program
11 p1666 N91-19183
Nuclear thermal propulsion 20 p3294 N91-28216
BENNETT, H. E.
Laser induced damage in optical materials: 1989
[PB91-148478] 19 p3170 N91-27527
BENNETT, J.
A Weibull brittle material failure model for the ABAQUS computer program
[DE91-016813] 23 p3887 N91-31690
BENNETT, J. C.
Characterization of flow in a scroll duct
[NASA-CR-188612] 17 p2777 N91-25367
BENNETT, J. M.
Space environmental effects on coated optics
16 p2722 N91-25079
BENNETT, JOHN B.
Implementation of the modified Monte Carlo technique using importance sampling on the block oriented system simulator
[AD-A230500] 12 p1973 N91-20856
BENNETT, K.
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
BENNETT, K. D.
Ultra-low loss optical fiber characterization system development
[AD-A224843] 03 p0418 N91-12337
BENNETT, L. F.
Pulsed power performance of the new RLA (Recirculating Linear Accelerator)
[DE91-004723] 15 p2506 N91-23885
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333
BENNETT, L. H.
Monte Carlo and mean field calculations of the magnetocaloric effect of ferromagnetically interacting clusters
[DE91-014792] 21 p3572 N91-29859
BENNETT, M.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480
BENNETT, P. A.
In-situ diffraction and imaging studies of heteroepitaxial growth of semi-conductors
[AD-A231568] 13 p2163 N91-21932
BENNETT, PETER J.
Pilot monitoring of display enhancements generated from a digital data base 04 p0482 N91-12685
BENNETT, R. G.
Small Ex-core Heat Pipe Thermionic Reactor concept (SEHPTR)
[DE91-014073] 20 p3303 N91-28279
BENNETT, RICHARD A.
Brightness invariant port recognition for robotic aircraft refueling
[AD-A230468] 12 p1834 N91-20078
BENNETT, ROBERT M.
Aeroelastic modeling of the active flexible wing wind-tunnel model 14 p2230 N91-22333
Transonic shock-induced dynamics of a flexible wing with a thick circular-arc airfoil
[NASA-TM-104088] 20 p3279 N91-28132
Experimental flutter boundaries with unsteady pressure distributions for the NACA 0012 Benchmark Model
[NASA-TM-104072] 20 p3280 N91-28137
BENNETT, SCOTT
Incrementally increasing the uncertainty-tolerance of robotic manipulation plans
[AD-A236852] 19 p3175 N91-27557
BENNETT, SUSAN M.
Environmental and cultural considerations for growth of potatoes in CELSS 23 p3902 N91-31779
BENNETT, W. D.
Properties of reactively-deposited SiC and GeC alloys
[DE90-016363] 01 p0129 N91-10766
BENNETT, W. H.
Nonlinear dynamics and control of flexible structures
[AD-A232795] 17 p2739 N91-25160
BENNISON, S. J.
Strength and microstructure of ceramics
[AD-A235424] 18 p2966 N91-26374
BENO, M. A.
A new method to do time resolved, x ray diffraction studies: The rotating crystal Laue method
[DE91-016527] 23 p3925 N91-31935
BENOIST, ROD
Avionic laser multisensor program at Litton Aero Products 16 p2552 N91-24144
BENOIT, ANDRE
Aircraft trajectories: Computation, prediction, control, volume 1. Part 1: Fundamentals. Part 2: Flight in critical atmospheric conditions. Part 3: Impact of new on-board technologies on aircraft operation
[AGARD-AG-301-VOL-1-PT-1-3]
02 p0167 N91-10967
Aircraft trajectories: Computation, prediction, control, Volume 3. Part 9: Book of abstracts. Part 10: Bibliography. Part 11: List of contributors
[AGARD-AG-301-VOL-3-PT-9-11]
02 p0169 N91-10978
Aircraft trajectories: Computation, prediction, control, volume 2: Air traffic handling and ground-based guidance of aircraft. Part 4: Air traffic handling. Part 5: Guidance of aircraft in a time-based constrained environment. Part 6: Surveillance. Part 7: Meteorological forecasts. Part 8: Aircraft operation in air traffic handling simulation
[AGARD-AG-301-VOL-2-PT-4-8]
02 p0172 N91-10981
Optimum on-line handling of air traffic over Western Europe 02 p0172 N91-10982
Generation of aircraft trajectories for on-line operation: Methods, techniques, and tools
02 p0173 N91-10987
The 4-D control of current air carriers in the present environment: Objectives, status, and plans
02 p0174 N91-10990
The control of inbound flights
02 p0174 N91-10992
Air traffic management and aircraft guidance in a zone of convergence 02 p0176 N91-10998
Ground-based 4-D guidance of flights in strong wind
02 p0176 N91-10999
The air traffic controller facing automation: Conflict or cooperation 02 p0176 N91-11001
Integration of aircraft capability in air traffic handling simulations 02 p0178 N91-11007
Integration of a realistic airline/aircrew/aircraft component in ATC simulations 07 p1046 N91-15738
BENOIT, ROBERT L.
Torsion resistant grooved joint
[PATENT-1-258-589] 23 p3789 N91-31127
BENOLKEN, MARTHA S.
Relation between perception of vertical axis rotation and vestibulo-ocular reflex symmetry
[NASA-CR-187997] 11 p1765 N91-19710
BENOWITZ, MARC S.
Finite element analysis in nonisothermal viscoplasticity
14 p2274 N91-22579
BENSADOUN, M. J.
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
BENSCHOP, JOZET PETRUS HENRICUS
Signal detection and interpretation in scanning optical microscopy
[ISBN-90-9002791-2] 03 p0418 N91-12340
BENSEL, CAROLYN K.
The effects of chemical protective gloves and glove liners on manual dexterity
[AD-A231250] 13 p2129 N91-21721
BENSHALOM, URI
Computerized system for static and fatigue large scale structural tests: A case study
[IAITIC-87-1007] 15 p2441 N91-23522
BENSINGER, BRUCE D.
Test results from a two-stage traveling charge liquid propellant gun
[AD-A224593] 03 p0318 N91-11779
BENSINGER, J. R.
Research in elementary particle physics
[DE91-015359] 21 p3577 N91-29892
BENSMAN, D.
SATCOM antenna siting study on a P-3C using the NEC-BSC V3.1
[NASA-CR-187949] 10 p1510 N91-18307
BENSON, A.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
BENSON, ALAN J.
Vestibular tests on UK astronaut candidates for an Anglo/Russian space flight (Juno Mission)
11 p1748 N91-19613
BENSON, AMY
Amorphous silicon solar cells prepared at high deposition rates
[DE90-000371] 04 p0543 N91-13012
BENSON, B. J.
The Magsat bibliography. Revision 1
[NASA-TM-104534] 12 p1924 N91-20586
BENSON, BRIAN L.
ECLSS advanced automation preliminary requirements
[NASA-CR-186115] 19 p3214 N91-27765
A diagnostic prototype of the potable water subsystem of the Space Station Freedom ECLSS
[NASA-CR-186111] 19 p3214 N91-27766
BENSON, C.
The dust coma of Comet Austin (1989c1)
17 p2893 N91-25989
BENSON, D. A.
Dynamic high-pressure studies of an electrothermal capillary
[DE91-000966] 05 p0851 N91-13617
BENSON, D. K.
Electrochromic sun control coverings for windows
[DE90-000335] 08 p1117 N91-16139
BENSON, J. A.
A study of the angular diameters of dust shells around red giants
[AD-A236228] 19 p3265 N91-28056
BENSON, RAY B., JR.
The microstructure and corrosion resistance of ion implanted aluminum-molybdenum alloys containing the phase Al12Mo
[AD-A238470] 22 p3650 N91-30314
BENSON, T. J.
Calculation of a circular jet in crossflow with a multiple-time-scale turbulence model
[NASA-TM-104343] 22 p3677 N91-30476
BENSON, THOMAS J.
Comparison of SMAC, PISO, and iterative time-advancing schemes for unsteady flows
[NASA-TM-104406] 16 p2627 N91-24550
BENSON, TOM
CFD analysis for high speed inlets
02 p0153 N91-10888
BENSON, TREVOR MARK
Integrated optical components produced in GaAs and InP epitaxial layers using the photo-elastic effect
02 p0270 N91-11518
BENSON, WENDY E.
Voltammetric measurement of bimolecular electron-transfer rates in low ionic strength solutions
[AD-A229913] 12 p1865 N91-20245
Voltammetric measurement of biomolecular electron-transfer rates in low ionic strength solutions
[AD-A229918] 12 p1865 N91-20246
BENSOUSSAN, A.
An evaluation programme for the capability approval of GaAs MMICs 24 p3992 N91-32303
Qualification strategy for multi-chip packaging for space applications 24 p3993 N91-32312
BENSTEIN, ELI H.
Model 320-2: A compact advanced UAV turbojet
16 p2578 N91-24292
BENSTEN, ROSS A.
Condition survey and PAVER implementation, Edwards Air Force Base, California
[AD-A224979] 03 p0317 N91-11773
BENT, RODNEY B.
The effect of the Earth's oblate spheroid shape on the accuracy of a time-of-arrival lightning ground strike locating system 24 p4064 N91-32706
BENTEN, MUHAMMAD S.
The FORCE: A highly portable parallel programming language
[NASA-CR-187928] 11 p1775 N91-19732
BENTJEN, S. A.
Field calibration of soil-core microcosms for evaluating fate and effects of genetically engineered microorganisms in terrestrial ecosystems
[DE91-011258] 17 p2807 N91-25518
BENTJEN, S. B.
Synthetic surfaces as models for biomineralization substrates
[DE91-005182] 10 p1505 N91-18282
Biomimetic thin film deposition
[DE91-012485] 20 p3425 N91-28999
BENTLEY, C. R.
Terrestrial geophysics in the SeaRISE project
18 p3002 N91-26576
BENTLEY, J.
On the effects of magnetic bonding in rare earth transition metal intermetallics
[DE90-015800] 01 p0026 N91-10156
Domain boundaries formed during epitactical growth of alpha-Al2O3
[DE91-005018] 08 p1236 N91-16814
In-situ observations of high temperature surface processes on alpha-alumina bulk crystals
[DE91-005509] 10 p1604 N91-18851

Application of electron energy loss spectroscopy to microanalysis of irradiated stainless steels
[DE91-009913] 20 p3314 N91-28344
In-situ REM imaging of surface processes on ceramic bulk crystals from 300 to 1670 K in a conventional TEM
[DE91-009923] 20 p3324 N91-28405
Correcting channeling and diffraction effects in quantitative REELS surface microanalysis
[DE91-009924] 20 p3399 N91-28840
Materials science applications of a 120 kV FEG TEM/STEM: Triskaidekaphilia
[DE91-010136] 21 p3518 N91-29536

BENTON, E. R.
Charged particle LET-spectra measurements aboard LDEF 16 p2709 N91-24989
Radiation exposure of LDEF: Initial results 16 p2709 N91-24993
Radiation experiments on Cosmos 2044: K-7-41, parts A, B, C, D, E
[NASA-CR-188540] 17 p2860 N91-25819

BENTON, E. V.
The ionizing radiation environment of LDEF prerecovery predictions 16 p2707 N91-24980
Charged particle LET-spectra measurements aboard LDEF 16 p2709 N91-24989
Radiation exposure of LDEF: Initial results 16 p2709 N91-24993
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF 16 p2725 N91-25096
Radiation experiments on Cosmos 2044: K-7-41, parts A, B, C, D, E
[NASA-CR-188540] 17 p2860 N91-25819

BENTON, EDWARD R.
The scientific case for magnetic field satellites
[NASA-CR-186532] 01 p0017 N91-10101
Report of the panel on geopotential fields: Magnetic field, section 9 13 p2107 N91-21598

BENTON, R. D.
Data acquisition and analysis on the two-color laser transmissometer system
[DE91-007235] 11 p1710 N91-19420
Structured software design for an on-line laser-based particle size distribution instrument
[DE91-007234] 11 p1777 N91-19746

BENTS, D. J.
Design of multihundredwatt DIPS for robotic space missions
[NASA-TM-104401] 16 p2568 N91-24232

BENTS, DAVID J.
SEI rover solar-electrochemical power system options
[NASA-TM-104402] 15 p2458 N91-23620
Small Stirling dynamic isotope power system for multihundred-watt robotic missions
[NASA-TM-104460] 17 p2743 N91-25182
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
Comparison of dynamic isotope power systems for distributed planet surface applications
[NASA-TM-4303] 20 p3303 N91-28278

BENTSEN, ROSS A.
Condition survey and PAVER implementation, Edwards Air Force Base (north base), California
[AD-A224978] 03 p0317 N91-11772

BENTZ, CRISTINA MARIA
Comparison of radiometric transformation of LANDSAT-5/TM data to reflectance data
[INPE-5210-TDL/431] 22 p3697 N91-30587

BENVENUTI, PIERO
Diffuse absorption bands in Orion: A correlation with the UV reddening curve 09 p1443 N91-17956
Dearchiving IUE LBL images from optical disk 09 p1447 N91-17984

BENZ, DARREN
ATLS-stowage and deployment testing of medical supplies and pharmaceuticals 24 p4079 N91-32785

BENZ, JOACHIM
Information system for environmental chemicals
[GSF-BER-21/90] 15 p2524 N91-23990

BENZ, K. W.
Principles of crystal growth, part 2 14 p2332 N91-22887
The growing process 14 p2332 N91-22888

BENZ, SAMUEL PAUL
Dynamical properties of two-dimensional Josephson junction arrays 08 p1238 N91-16823

BENZ, W.
Effects of a giant impact on Uranus 11 p1822 N91-20012

BERARD, EDWARD V.
Object-oriented requirements analysis: A quick tour
[NASA-CR-187919] 18 p3038 N91-26766

BERATAN, DAVID N.
Molecules with enhanced electronic polarizabilities based on defect-like states in conjugated polymers
[NASA-CASE-NPO-17633-1-CU] 19 p3143 N91-27372

BERBICHE, MONSEF
About transient stability of power systems: Statistical pattern recognition approach
[LAAS-90192] 05 p0698 N91-13889

BERDING, M. A.
Mechanical properties of semiconductors and their alloys
[AD-A231820] 14 p2331 N91-22878

BERENDSEN, W.
Fertilization of Xenopus eggs in space 11 p1750 N91-19624

BERENJI, HAMID R.
An architecture for designing fuzzy logic controllers using neural networks 12 p1965 N91-20812

BERENS, A. P.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240

BERENSTEIN, CARLOS
Control of complex multibody spacecraft
[AD-A224707] 03 p0320 N91-11791

BERG, D. E.
A 34-meter VAWT (Vertical Axis Wind Turbine) point design
[DE91-004565] 09 p1356 N91-17449

BERG, DALE E.
Customized airfoils and their impact on VAWT cost of energy
[DE91-000408] 04 p0543 N91-13014

BERG, HANS E.
Oxygen uptake during concentric and eccentric resistive exercise using a new gravity-independent ergometer 11 p1744 N91-19587
Muscle function impairment following lower limb unloading in men 11 p1749 N91-19616

BERG, J. M.
Actinide speciation by photothermal spectroscopies: Instrumentation development
[DE91-001854] 05 p0666 N91-13700
Pulsed photothermal spectroscopy applied to lanthanide and actinide speciation
[DE91-007391] 12 p1867 N91-20258

BERG, J. S.
Symplectic full-turn maps in a Fourier representation
[DE91-012912] 20 p3392 N91-28796

BERG, KLAUS-PETER
Report on the state of standardization of mode S, and mode S applications
[ETN-90-97892] 03 p0310 N91-11741

BERG, MARTIN C.
Multirate sampled-data yaw-damper and modal suppression system design
[NASA-CR-188017] 12 p1843 N91-20130
Progress in multirate digital control system design
[NASA-CR-187561] 19 p3233 N91-27877

BERG, RICHARD L.
Predicting the behavior of asphalt concrete pavements in seasonal frost areas using nondestructive techniques
[CRREL-90-10] 09 p1321 N91-17253
Performance of asphalt concrete airport pavements during thaw weakening periods: A field study
[AD-A237441] 21 p3462 N91-29198

BERG, TIMOTHY M.
Model distribution in decentralized multi-sensor data fusion
[OUEL-1868/90] 11 p1780 N91-19763

BERGAN, T.
Effects of weightlessness (sea water immersion) on body fluid balance and CNS functions 15 p2449 N91-23566

BERGER, DANIEL
Functional knowledge in problem solving
[AD-A228694] 09 p1390 N91-17648

BERGER, E.
High Energy Physics Division semiannual report of research activities, July 1, 1990--December 31, 1990
[DE91-012339] 20 p3404 N91-28868

BERGER, E. L.
Direct photon production in polarized pp collisions
[DE91-008728] 22 p3754 N91-30924

BERGER, H.
Updating of finite element models using experimental vibratory type data. Process of static substructuring
[ONERA-RT-10/3313-RY-090-R] 23 p3885 N91-31682

BERGER, HARALD
Finite element approximations for transonic flows
[ETN-91-98491] 08 p1091 N91-15988

BERGER, J. R.
Study of static and dynamic fracture using strain measurements
[PB91-132217] 15 p2442 N91-23524

BERGER, JOHN ROLAND
Study of static and dynamic fracture using strain measurements 05 p0675 N91-13754
Aluminum alloys for cryogenic tanks: Oxygen compatibility, volume 1
[AD-A229229] 09 p1314 N91-17211

BERGER, MARSHA J.
Adaptive methods for compressible fluid dynamics
[AD-A232786] 15 p2429 N91-23455

BERGER, MEINHARD
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588
Neurological findings after 72 hours water immersion 11 p1745 N91-19597

BERGER, R. L.
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946

BERGERON, DENIS
Finite difference form of the compressible boundary layer equations in generalized curvilinear coordinates
[AD-A231386] 13 p2084 N91-21483

BERGERON, PIERETTE
Federal information inventory/locator systems: From burden to benefit 05 p0729 N91-14074

BERGERSON, L. D.
Basic research on flame radiation
[PB91-182980] 19 p3128 N91-27282

BERGESON, G. C.
Electronic systems miniaturization using programmable logic devices
[DE91-006214] 09 p1330 N91-17307

BERGGREN, M.
Democratic Monte-Carlo generation of hadronic fragments with conserved momentum
[USIP-90-03] 07 p1061 N91-15836
On the algebraic moments of the transverse momentum distribution of hadrons produced in lepto-production
[USIP-90-05] 07 p1066 N91-15865
The transverse momentum of hadrons in lepto-production as a test of QCD
[USIP-90-04] 14 p2325 N91-22844

BERGMAN, A.
The coalescence process in immiscible alloys (TEXUS 3) 23 p3840 N91-31416
The coalescence process in immiscible alloys (TEXUS 5) 23 p3841 N91-31417
Unidirectional solidification of immiscible alloys (TEXUS 5) 23 p3841 N91-31418
Directional solidification of immiscible alloys Zn-Pb (MASER 2) 23 p3841 N91-31421

BERGMAN, AVIV
An evolutionary approach to designing neural networks
[AD-A228874] 08 p1208 N91-16643

BERGMAN, L. A.
Fiber Optic Tactical Local Network (FOTLAN) 15 p2540 N91-24072

BERGMAN, LARRY A.
LDEF fiber optic exposure experiment 16 p2723 N91-25080

BERGMANN, EDWARD
Prediction and reconstruction of on-orbit acceleration 03 p0430 N91-12409

BERGMANS, LODEWIJK
An object-oriented analysis, design, and implementation of a network database 23 p3915 N91-31865

BERGQUIST, J. C.
Trapped-ion frequency standards 17 p2851 N91-25760

BERGREN, M.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845

BERGSMA, FELIX
Prompt lepton production in a proton beamdump experiment
[ETN-90-97750] 01 p0120 N91-10711

BERGSTRA, J. A.
Which data types have omega-complete initial algebra specifications
[CWI-CS-R8958] 03 p0404 N91-12251
Process algebra with a zero object
[CWI-CS-R9028-REV] 10 p1581 N91-18709
Real time process algebra
[CWI-CS-R9053] 17 p2845 N91-25722

BERGSTROM, JAMES WALTER
Development of an extremely sensitive infrared photometer for the investigation of dark matter in galactic halos 14 p2342 N91-22948
BERGSTROM, P. M., JR.
Scattering of photons from atomic electrons
[DE91-006268] 10 p1592 N91-18778
BERGUM, J. W.
Zonal deformable mirror for laser wavefront control
[DE91-017085] 24 p4023 N91-32483
BERK, A.
Photometric analysis of a space shuttle water venting 12 p1950 N91-20726
BERK, H. L.
Wave-particle power transfer in a steady-state driven system
[DE90-010031] 08 p1225 N91-16748
Stability of annular equilibrium of energetic large orbit ion beam
[DE91-014365] 20 p3419 N91-28963
BERK, M.
Pre-equilibrium emission and multifragmentation in heavy ion collisions
[LUIP-8902] 01 p0119 N91-10705
BERKA, REG
Space station dynamics 03 p0433 N91-12423
BERKE, L.
Application of artificial neural networks to composite ply micromechanics
[NASA-TM-104365] 16 p2589 N91-24345
Concurrent engineering 20 p3299 N91-28247
BERKE, LASZLO
Applications of artificial neural nets in structural mechanics
[NASA-TM-102420] 13 p2100 N91-21559
BERKER, D. R.
Boundary layer study
[AD-A231343] 13 p2084 N91-21482
BERKES, I.
Strong approximation on log dense sets
[W-9101] 23 p3922 N91-31916
BERKEY, FRANK T.
DURIP application of multiprocessing to real-time analysis and control of an ionospheric research radar
[AD-A226332] 04 p0548 N91-13037
BERKMAN, OMER
Some doubly logarithmic optimal parallel algorithms based on finding nearest smallers
[ITN-90-85030] 07 p1040 N91-15703
Recursive star-tree parallel data-structure
[AD-A227803] 07 p1052 N91-15779
BERKOVICBEN-SHLOMO, SIGALIT
The application of the coupled cluster method to small molecules
[ITN-90-85036] 07 p1064 N91-15850
BERKOWITZ, BRIAN
Prediction of ice shapes and their effect on airfoil performance
[NASA-TM-103701] 11 p1640 N91-19047
BERKOWITZ, BRIAN M.
Progress toward the development of an airfoil icing analysis capability 02 p0148 N91-10866
BERKOWITZ, JACK
A model human engineering approach to the development of regulatory standards for digital communication technologies: Defining safety from a human-machine systems perspective 24 p3959 N91-32126
BERLEY, D.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
BERLIN, A. A.
Protective functions of skin 01 p0096 N91-10555
BERLIN, ANDREW A.
The supercomputer toolkit and its applications
[AD-A225807] 04 p0555 N91-13077
BERLIOZ, ALAIN
Dynamic study of cyclically symmetric structures: Application to rotating a wheel of a centrifugal compressor
[ISAL-91-0004] 15 p2500 N91-23844
BERLYAND, V. A.
Intercomparison of standards of absorbed dose between the USSR and the UK
[NPL-RSA(EXT)-17] 24 p4094 N91-32874
BERMAN, E.
Scintillation materials for medical applications
[DE91-011022] 17 p2823 N91-25598
Design of the Digital Sky Survey DA and online system: A case history in the use of computer aided tools for data acquisition system design
[DE91-016469] 24 p4121 N91-33032
BERMAN, L. E.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
BERMAN, N. S.
Heat transfer additives for absorption cooling system fluids
[PB91-182998] 19 p3166 N91-27505
BERMAN, P. R.
Theoretical studies relating to the interaction of radiation with matter
[AD-A232107] 15 p2433 N91-23480
BERMAN, PIOTR
A complexity theory of neural networks
[AD-A229432] 22 p3740 N91-30835
BERMUDEZ, V. M.
Characteristics of oxide layer grown on gallium arsenide using 2.8 eV translational energy atomic oxygen
[DE91-004865] 07 p1073 N91-15908
BERNAL, J.
Expected complexity of the 3-dimensional voronoi diagram
[PB90-221862] 02 p0258 N91-11435
Expected linear 3-dimensional Voronoi diagram algorithm
[PB90-227984] 02 p0258 N91-11436
BERNARD, HERBERT
Fuel management system for future commercial airplanes
[ETN-91-98796] 10 p1470 N91-18108
BERNARD, J. E.
UV Thomson scattering from x ray laser plasmas
[DE91-007347] 11 p1802 N91-19895
BERNARD, J. J.
Experimental techniques in the field of low density aerodynamics
[AGARD-AG-318(E)] 18 p2923 N91-26124
BERNARD, J. P.
Emission from small dust particles in diffuse and molecular cloud medium 05 p0742 N91-14137
BERNARD, JAY M.
Degenerate four-wave mixing of CW HF laser beams in HF absorption cell
[AD-A230183] 12 p1903 N91-20468
BERNARD, JEAN-PHILLIPE
Influence of temperature on the infrared spectrum of the coronene molecule 06 p0893 N91-14932
BERNARD, PETER S.
Bounded energy states in homogeneous turbulent shear flow: An alternative view
[NASA-CR-187439] 01 p0040 N91-10237
The energy decay in self-preserving isotropic turbulence revisited
[NASA-CR-187604] 22 p3676 N91-30465
BERNARD, R.
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
ATSR: Precise sea surface temperature from the ERS-1 satellite 15 p2454 N91-23601
BERNARDEZ, L.
Cluster formation in laser-induced ablation and evaporation of solids observed by laser ionization time-of-flight mass spectrometry and scanning tunneling microscopy
[DE90-010876] 08 p1152 N91-16344
BERNARDI, G.
Hindlimb suspension of rabbit for one week: Myofibrillar damage in the soleus may depend on long-lasting shortening and periodic contraction against no load 11 p1754 N91-19647
BERNASCONI, GIANCARLO
Propagation of seismic waves in nonelastic media
[REPT-90-065] 15 p2463 N91-23651
BERNASCONI, M. C.
Optical interferometer systems in space: Configuration and structure concepts using space rigidized elements 03 p0327 N91-11819
BERNAT, T. P.
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
Inertial confinement fusion
[DE91-013479] 20 p3419 N91-28960
BERNATH, PETER F.
Laser and Fourier transform spectroscopy of novel propellant molecules
[AD-A225503] 07 p0986 N91-15414
BERNATOWICZ, THOMAS J.
Instellar grains within interstellar grains 11 p1820 N91-19998
BERNAYS, D. J.
Wideband heterodyne spatial tracking for optical space communications
[AD-A233722] 18 p2973 N91-26410
BERNDT, ALLEN K.
Second Tracking and Data Relay Satellite System (TDRSS) Ground Terminal: STGT 14 p2212 N91-22221
BERNEDE, P.
Crack propagation in heat resistant disk alloys. Short crack propagation in alloys for high characteristic turbomachine disks
[ETN-91-99981] 23 p3885 N91-31683
BERNELLA, DAVID M.
Terminal Doppler weather radar operational test and evaluation, Orlando 1990
[AD-A236108] 19 p3150 N91-27413
BERNERT, J. A.
Comparison of MAGIC and Diatom paleolimnological model hindcasts of lakewater acidification in the Adirondack region of New York
[DE91-010125] 19 p3186 N91-27616
BERNHARD, R. J.
A geometry based method of integrated engineering design, analysis, and optimization
[DE91-008588] 20 p3333 N91-28457
BERNHARD, R. P.
Preliminary results from the chemistry of micrometeoroid experiment (AO 187-1) 16 p2711 N91-25005
M and D SIG progress report: Laboratory simulations of LDEF impact features 16 p2713 N91-25013
BERNHARDT, A. F.
Design calculations for the microchannel heatsink
[DE91-008730] 14 p2265 N91-22534
Laser surface modification for selective electroplating of metal: A 2.5 m/s laser direct-write process
[DE91-014988] 21 p3483 N91-29322
BERNHARDT, JOHN CHARLES
Microcomputers: An exploratory study of their availability and use in the research process and their contribution to researcher productivity 20 p3383 N91-28739
BERNHARDT, PAUL A.
Large scale plasma irregularities and airglow enhancements from ionospheric heating 10 p1549 N91-18520
Ionospheric chemical releases 10 p1553 N91-18540
BERNHART, GERARD
Materials for Hermes hot structural parts: Requirements and testing 03 p0334 N91-11872
BERNHART, WALTER
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
BERNHART, WAYNE
Crashworthiness experiments 16 p2554 N91-24161
BERNHOLC, JERZY
Impurities, defects and diffusion in semiconductors: Bulk and layered structures, volume 163
[AD-A229590] 22 p3759 N91-30952
BERNIER, CHRISTINE
Study and parallelization of finite element code for quasi geostrophic modeling of ocean circulations
[ETN-91-99486] 22 p3713 N91-30666
BERNIER, L. G.
On the line Q degradation in hydrogen masers 17 p2859 N91-25806
BERNING, D. W.
Semiconductor measurement technology: A programmable reverse-bias safe operating area transistor tester
[PB91-112821] 14 p2330 N91-22872
BERNINGER, T.
A survey of colour discrimination in German ophthalmologists: Changes associated with the use of lasers and operating microscopes 17 p2827 N91-25618
BERNLOEHR, KONRAD
Starbursts in interacting galaxies: Observations and models 08 p1264 N91-16958
BERNOFSKY, CARL
Free radicals of biochemical importance, attachments 1, 2, 3
[AD-A231821] 14 p2243 N91-22408
BERNSTEIN, DENNIS S.
Active nonlinear feedback control for aerospace systems: Processor
[AD-A231929] 14 p2196 N91-22130
BERNSTEIN, E. M.
Correlated charge-changing ion-atom collisions
[DE91-013640] 20 p3403 N91-28863

BERNSTEIN, E. R.
Normal mode analysis of van der Waals vibrations
[AD-A232891] 16 p2682 N91-24851
Excited state intermolecular proton transfer in isolated clusters: 1-naphthol/ammonia and water
[AD-A233637] 16 p2683 N91-24857
Mass resolved excitation spectroscopy of benzyl and phenylnitrene radicals
[AD-A239394] 23 p3812 N91-31264
BERNSTEIN, GARY MITCHELL
Measurements of the spectrum and anisotropy of the millimeter wave background 03 p0434 N91-12432
BERNSTEIN, I. M.
Fundamentals of interfacial strength in composite materials
[AD-A226701] 06 p0803 N91-14431
The effect of hydrogen on the deformation behavior of a single crystal nickel-base superalloy
16 p2583 N91-24316
BERNSTEIN, L. S.
Description of the Strategic High-Altitude Atmospheric Radiation Code (SHARC)
[AD-A237089] 21 p3541 N91-29671
BERNSTEIN, ROBERT J.
Northern California coastal circulation study: Results of the pilot program
[PB90-261678] 09 p1369 N91-17524
BERNUS, P.
IDDL: A language for intelligent interactive integrated CAD systems
[CWI-CS-R9056] 17 p2834 N91-25663
BERO, C.
Mechanical modeling of stress generation during cure of encapsulating resins
[DE91-011496] 20 p3322 N91-28393
BERODIAS, G.
Nondestructive measurement of thickness and density of composite materials by Compton backscattering
[REPT-911-430-112] 15 p2394 N91-23255
BERRA, P. B.
Northeast Artificial Intelligence Consortium (NAIC). Volume 12: Computer architecture for very large knowledge bases
[AD-A234891] 18 p3047 N91-26826
BERRI, G.
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165
BERRIOS, WILLIAM M.
Use of the Long Duration Exposure Facility's thermal measurement system for the verification of thermal models 16 p2706 N91-24975
BERRONDO, M.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923
BERRY, ANTHONY
Sample holder support for microscopes
[NASA-CASE-MFS-28420-1] 13 p2097 N91-21545
BERRY, B. F.
Noise levels of USAF aircraft in exercise Luce Belle
[NPL-RSA(EXT)-16] 24 p4094 N91-32873
BERRY, D.
Civil tiltrotor missions and applications. Phase 2: The commercial passenger market
[NASA-CR-177576] 18 p2923 N91-26126
BERRY, DENNIS
Civil tiltrotor missions and applications
[NASA-CR-177452] 05 p0617 N91-13424
BERRY, G. F.
Three-dimensional computer simulation of non-reacting jet-gas flow mixing in an MHD second stage combustor
[DE90-017831] 02 p0273 N91-11537
Effects of jet port arrangement on three-dimensional non-reacting jet-gas mixing in an MHD second stage combustor
[DE90-017858] 02 p0274 N91-11538
Copper contamination effects on hydrogen-air combustion under SCRAMJET (Supersonic Combustion Ramjet) testing conditions
[DE91-006545] 10 p1472 N91-18111
Two-dimensional non-reacting jet-gas mixing in an MHD (magnetohydrodynamic) second stage combustor
[DE91-006015] 11 p1679 N91-19252
Multi-dimensional computer simulation of MHD combustor hydrodynamics
[DE91-011851] 18 p3067 N91-26946
BERRY, J. N.
Preliminary analysis of WL experiment number 701: Space environment effects on operating fiber optic systems 16 p2723 N91-25081
BERRY, JOHN D.
RWF rotor-wake-fuselage code software reference guide
[NASA-TM-104078] 19 p3101 N91-27132
BERRY, JOHN DONALDSON
A method of computing the aerodynamic interactions of a rotor-fuselage configuration in forward flight
03 p0311 N91-11746
BERRY, L.
Spectrum required for HF broadcasting
[PB91-151860] 16 p2617 N91-24487
BERRY, M. H.
Wide-band RF signal processing with optoelectronic devices and fiber-optic delay lines
[AD-A233388] 16 p2689 N91-24888
BERRY, MARK H.
Variable weight fiber optic transversal filter
[AD-D014893] 19 p3245 N91-27944
BERRY, R. E.
Justification for using scale models for impact response evaluation of the SST transportation system
[DE91-006100] 10 p1485 N91-18182
BERRY, ROGER P.
Analysis of the flutter characteristics of the advanced kinetic energy missile (ADKEM) control surface
[AD-A232377] 15 p2383 N91-23193
BERRY, V. B.
Cost effective electronic components for short life space missions 24 p4004 N91-32387
BERRYMAN, HARRY
A manual for PARTI runtime primitives
[NASA-CR-187442] 01 p0103 N91-10599
Multiprocessors and runtime compilation
[NASA-CR-182100] 01 p0104 N91-10600
Distributed memory compiler design for sparse problems
[NASA-CR-187515] 10 p1566 N91-18610
Performance effects of irregular communications patterns on massively parallel multiprocessors
[NASA-CR-187514] 13 p2130 N91-21724
A manual for PARTI runtime primitives, revision 1
[NASA-CR-187568] 17 p2832 N91-25644
BERRYMAN, J. G.
Lecture notes on nonlinear inversion and tomography
[DE91-008238] 11 p1738 N91-19558
Convergence of linear programming using a Hopfield net
[DE91-007870] 11 p1779 N91-19758
Some stable reconstruction algorithms for electrical impedance tomography
[DE91-016569] 24 p4021 N91-32473
BERSCH, CHARLES F.
IDA studies on natural space environmental effects on materials for SDIO
[AD-A237974] 21 p3538 N91-29660
BERSENEVA, A. P.
State-of-the-art automated evaluation of functional state of the body in the space program and preventive medicine 18 p3022 N91-26687
BERSHAD, NEIL J.
Statistical analysis of stochastic gradient based algorithms
[AD-A234545] 18 p3053 N91-26859
BERT, DIDIER
Specifications for reusable software components
[RR-828-I-IMAG-116-LIFIA] 15 p2485 N91-23756
BERTEL, L.
Analysis of experimental results with meteor links carried out at different ranges and frequencies
22 p3659 N91-30368
BERTHEL, ROBERT O.
A survey of laser lightning rod techniques
24 p4054 N91-32645
BERTHIER, J.
AFDM: An Advanced Fluid-Dynamics Model. Volume 1: Scope, approach, and summary
[DE90-016723] 01 p0041 N91-10239
AFDM: An Advanced Fluid-Dynamics Model. Volume 4: The AFDM heat- and mass-transfer solution algorithm
[DE90-017535] 01 p0041 N91-10240
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017537] 01 p0041 N91-10242
BERTHON, V.
A new generation of radiators
[REPT-911-440-105] 15 p2388 N91-23220
BERTHOUMIEU, P.
Application of an acquisition image processing system to the quantitative analysis of flows
[AAAF-NT-89-27] 23 p3913 N91-31851
BERTHOZ, A.
Gaze control and spatial memory in weightlessness
11 p1762 N91-19692
Mental rotation of three-dimensional shapes in microgravity 11 p1762 N91-19694
BERTIN, F.
RADAR performance experiments
16 p2555 N91-24168
BERTNESS, K. A.
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
High-efficiency, radiation-resistant GaAs space cells
11 p1668 N91-19194
GaInP2/GaAs tandem cells for space applications
22 p3633 N91-30215
Radiation hardness of Ga0.5In0.5 P/GaAs tandem solar cells 22 p3638 N91-30243
BERTOCCI, U.
Effect of oxygen transport and resistivity of the environment on the corrosion of steel
[PB91-107292] 09 p1313 N91-17207
BERTOLA, F.
Recent IUE observations of early-type galaxies
09 p1446 N91-17976
BERTOLDI, FRANK
The photoevaporation of interstellar clouds
05 p0765 N91-14248
BERTOLINO, J. D.
Uprated OMS engine status-sea level testing results
16 p2572 N91-24256
BERTOLOTTI, FABIO PAOLO
Linear and nonlinear stability of boundary layers with streamwise varying properties 23 p3864 N91-31545
BERTON, D.
Computer simulations for the development of missile navigation systems 07 p1043 N91-15721
BERTON, JEFFREY J.
Divergence thrust loss calculations for convergent-divergent nozzles: Extensions to the classical case
[NASA-TM-105176] 21 p3458 N91-29181
BERTON, PIERRE
A study of supersonic and hypersonic ramjet engines in France from 1950 to 1974 (application on combined cycle aircraft engines) 15 p2376 N91-23149
BERTOTTI, B.
The rotation of Lageos
[IFSI-90-10] 02 p0239 N91-11333
BERTOUT, C.
Pre-main sequence stars 09 p1429 N91-17863
BERTRAND, F.
Conceptual design of strapdown seekers
07 p1043 N91-15720
BERTRAND, W. T.
Space chambers contamination diagnostics and analysis
[AD-A230248] 12 p1851 N91-20174
Contamination effects of satellite material outgassing products on thermal surfaces and solar cells
[AD-A230199] 12 p1854 N91-20187
BERUBE, D. S.
A framework for data and information
[DE91-012416] 20 p3438 N91-29075
BERWICK, M.
Optical fibre based frequency shifters project
[AD-A236353] 19 p3246 N91-27951
BERZ, M.
Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558
High order calculation of the multipole content of three dimensional electrostatic geometries
[DE91-014707] 20 p3336 N91-28476
BERZINS, G. J.
Comparison of some x ray sensors for verification
[DE90-011990] 08 p1148 N91-16323
BERZTISS, ALFS
Support materials for formal specification of software
[AD-A236121] 20 p3383 N91-28742
BERZTISS, ALFS T.
Formal verification of programs
[AD-A235775] 19 p3221 N91-27805
BESGROVE, DAN D.
Multiple quantum well NIR optical modulators: A review of the potential for optical signal processing using III-V semiconductors 07 p0941 N91-15157
BESHEARS, D. L.
Laser-induced fluorescence of phosphors for remote cryogenic thermometry
[DE91-001733] 05 p0662 N91-13681
Fiber-sensor design for turbine engines
[DE91-010787] 17 p2736 N91-25150
BESIERIS, I. M.
Localized waves in complex environments
[DE91-011934] 20 p3334 N91-28462
BESMANN, T. M.
The nucleation and growth of polycrystalline silicon carbide
[DE91-008887] 13 p2054 N91-21304

Development of high-density fiber-reinforced silicon carbide FCVI composites
[DE91-012531] 22 p3643 N91-30272

BESPALOV, P. A.
Radiation-driven diskons as a new astrophysical object 06 p0923 N91-15105

BESS, T. DALE
Atlas of wide-field-of-view outgoing longwave radiation derived from Nimbus 7 Earth radiation budget data set, November 1985 to October 1987
[NASA-RP-1261] 16 p2660 N91-24719

BESSLER-PODOROWSKI, PNINA
Surface recombination velocity at n-CdSe semiconductor-electrolyte interface
[ITN-91-85084] 07 p1074 N91-15910

BESSUDO, R.
Medium Resolution Imaging Spectrometer (MERIS) 15 p2455 N91-23608

BEST, PHILIP E.
Novel on-line characterization method for suspended particles
[PB90-257478] 09 p1332 N91-17315

BEST, R. G.
Application of geographic information system for emergency management
[DE91-010766] 17 p2887 N91-25964

BESTERFIELD, G. H.
Probabilistic finite elements for fracture and fatigue analysis 16 p2586 N91-24332

BESTUL, THOR
Vision-based navigation and parallel computing
[AD-A238570] 21 p3455 N91-29164

BESWICK, J. A.
The growth of epitaxial GaAs and GaAlAs on silicon substrate by MOVPE
[AD-A225743] 04 p0587 N91-13277

BETANCOURT, T.
Characterization of fire resistant GRP's by mechanical properties determination
[DREA-CR-88-421] 23 p3817 N91-31295

BETHEL, W.
Visualization using a data flow-based paradigm
[DE91-013851] 20 p3386 N91-28763

BETKER, THOMAS
Quasi concurring reflections and simplicity criterium
[ETN-90-98184] 04 p0575 N91-13200

BETTNER, JAMES L.
Investigation of advanced counterrotation blade configuration concepts for high speed turboprop systems. Task 2: Unsteady ducted propfan analysis
[NASA-CR-187106] 17 p2729 N91-25113

BETTONI, D.
Hidden interaction in SBO galaxies 08 p1249 N91-16880

BETTS, ALAN K.
Analysis of diurnal variation of SCu layer using 2 days of CLASS soundings on San Nicolas Island 01 p0083 N91-10490
Radiative control on tropical convective boundary layer equilibrium 01 p0083 N91-10493
Thermodynamic structure of the stratocumulus-capped boundary layer on 5 July 1987 01 p0088 N91-10516
Thermodynamic structure of the stratocumulus-capped boundary layer on 7 July, 1987 01 p0092 N91-10533

BETTS, R. R.
Proton-induced fission at ultra sub-barrier energies
[DE91-011169] 16 p2687 N91-24874

BETZ, ALBERT L.
Far-infrared heterodyne technology 13 p2176 N91-22016

BEUGELSDIJK, T. J.
Robotics for recombinant DNA and human genetics research
[DE90-016440] 15 p2473 N91-23697

BEUST, HERVE
The inner part of the protoplanetary disk around Beta Pictoris 10 p1620 N91-18935

BEVAN, E. J.
Hardware-in-the-loop simulation at the Naval Weapons Center 07 p1045 N91-15733

BEVAN, R.
The advanced receiver 2: Telemetry test results in CTA 21 10 p1512 N91-18320
The Advanced Receiver II telemetry test results at Goldstone 24 p3985 N91-32260

BEVER, G. A.
Digital signal conditioning for flight test, volume 19
[AGARD-AG-160-VOL-19] 18 p2976 N91-26432

BEVER, GLENN A.
Digital signal conditioning for flight test instrumentation
[NASA-TM-101739] 13 p2024 N91-21135

BEVERSDORFF, MANFRED
Laser transit velocimetry: Recent publications 23 p3876 N91-31624

BEVERSTOCK, D. M.
ALP FOPEN site description and ground truth summary
[AD-A224857] 03 p0384 N91-12143

BEVIER, WILLIAM R.
Machine-checked proofs of the design and implementation of a fault-tolerant circuit
[NASA-CR-182099] 07 p1048 N91-15752
The design and proof of correctness of a fault-tolerant circuit 09 p1377 N91-17569

BEVILLARD, A.
Lessons drawn from France's recent operational experiences regarding the design of military transport aircraft 10 p1464 N91-18071

BEVINGTON, DENNIS G.
Measurement of the capture effect of frequency modulation
[AD-A228058] 08 p1127 N91-16199

BEWICK, CHRISTOPHER P.
State-specific rovibrational energy transfer in D2CO molecules 07 p0974 N91-15347

BEWLEY, DOUGLAS P.
Fiber-optic applications for space-based engines
[NASA-TM-105235] 24 p3967 N91-32163

BEYER, J. B.
A Josephson junction to FET high speed line driver made of TlCaBaCuO
[DE90-017542] 04 p0590 N91-13295

BEYER, RICHARD A.
Shock tube studies of the ignition of triethanol ammonium nitrate in nitrous oxide: Preliminary results
[AD-A226397] 04 p0511 N91-12838
Temperature measurements of ET plasmas using atomic emission spectroscopy
[AD-A232498] 15 p2513 N91-23930

BEYERMANN, W. P.
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300
Doping and pressure study of U3Sb4Pt3
[DE91-013669] 20 p3431 N91-29033

BEYERS, M. E.
Subsonic aerodynamic coefficients of the SDM at angles of attack up to 90 deg
[NAE-LTR-UA-93] 21 p3452 N91-29144
A new look at the Tobak-Schiff model of nonplanar aircraft dynamics
[NAE-LTR-UA-101] 21 p3456 N91-29168

BEYERS, R.
In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958

BEYMER, MARK A.
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-187638] 11 p1824 N91-20022

BEYNE, E.
A new approach to the reliability of electronic material systems 24 p3993 N91-32310

BEYSENS, D.
Phase separation of a binary fluid near its critical point (TEXUS 11) 23 p3833 N91-31377
Phase separation in microgravity of binary fluids near the critical point (TEXUS 13) 23 p3833 N91-31378

BEZARD, H.
Exploitation of OAT15A profile tests in the T2 wind tunnel: Experimental determination of the wave drag
[ONERA-RSF-88/1685-AY-158-A] 23 p3783 N91-31092

BEZCHASTANOV, V. G.
Maser cyclotron instability in a plasma with anisotropic distribution function 06 p0919 N91-15075

BEZDEK, JAMES C.
Self-organization and clustering algorithms 13 p2140 N91-21783

BEZOS, G. M.
Heavy rain effects on airplane performance 03 p0302 N91-11686

BEZOS, GAUDY
Status of heavy rain tests 16 p2557 N91-24180

BEZY, J. L.
Medium Resolution Imaging Spectrometer (MERIS) 15 p2455 N91-23608

BEZY, J.-L.
Signal detection of MERIS in oceanographic applications 15 p2455 N91-23605

BHALLA, A. S.
Piezoelectric and electrostrictive materials for transducer applications, volume 1
[AD-A236219] 19 p3158 N91-27458
Piezoelectric and electrostrictive materials for transducer applications, volume 2
[AD-A236220] 19 p3158 N91-27459

BHANDARI, PRADEEP
Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU] 05 p0683 N91-13796

BHANTHUMNAVIN, V.
Theoretical prediction of nonlinear Brewster angle in ADP
[DE91-617792] 16 p2691 N91-24897

BHARATHAN, D.
Conceptual design of an Open-Cycle Ocean Thermal Energy Conversion Net Power-Producing Experiment (OC-OTEC NPPE)
[DE90-000304] 02 p0229 N91-11282
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501

BHARGAVA, HEMANT K.
Dimensional analysis in mathematical modeling systems: A simple numerical method
[AD-A236904] 19 p3237 N91-27898

BHARGAVA, HEMANT KUMAR
A logic model for model management: An embedded languages approach 20 p3386 N91-28761

BHARGAVA, V.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526

BHARGAVA, V. K.
Coding for frequency hopped spread spectrum satellite communications
[ECE-89-1] 21 p3496 N91-29398

BHARTIA, P. K.
Analysis of error in TOMS total ozone as a function of orbit and attitude parameters
[NASA-CR-4361] 13 p2121 N91-21670

BHASIN, K. B.
Determination of surface resistance and magnetic penetration depth of superconducting YBa2Cu3O(7-delta) thin films by microwave power transmission measurements
[NASA-TM-103616] 01 p0132 N91-10780
An experimental study of high Tc superconducting microstrip transmission lines at 35 GHz and the effect of film morphology
[NASA-TM-103633] 03 p0356 N91-11988
Design aspects and comparison between high T(sub c) superconducting coplanar waveguide and microstrip line
[NASA-TM-105142] 19 p3156 N91-27445
High temperature superconductor analog electronics for millimeter-wavelength communications
[NASA-TM-105184] 21 p3592 N91-29982
Measurement techniques for cryogenic Ka-band microstrip antennas
[NASA-TM-105183] 22 p3668 N91-30426

BHASIN, KUL B.
Emerging applications of high temperature superconductors for space communications
[NASA-TM-103629] 03 p0414 N91-12317
Monolithic mm-wave phase shifter using optically activated superconducting switches
[NASA-CASE-LEW-14878-1] 05 p0716 N91-13996
Superconducting microwave electronics at Lewis Research Center 15 p2541 N91-24081
Comparative study of bolometric and non-bolometric switching elements for microwave phase shifters
[NASA-TM-104435] 17 p2768 N91-25320

BHASKAR, UDAYA
Solving least squares problems on distributed memory machines
[AD-A229501] 22 p3743 N91-30856

BHAT, BALAKRISHNA T.
Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU] 06 p0870 N91-14808

BHAT, BIL
Materials sub-panel 20 p3299 N91-28245

BHAT, M. K.
Investigation of transonic flow over segmented slotted wind tunnel wall with mass transfer
[NASA-CR-187760] 08 p1090 N91-15981

BHAT, P. K.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591

BHAT, PAWAN K.
Amorphous silicon solar cells prepared at high deposition rates
[DE90-000371] 04 p0543 N91-13012

BHAT, THONSE R. S.
Linear models for the shock cell structure of supersonic jets with noncircular exit geometries
19 p3100 N91-27125

BHATIA, S. S.
Growth and characterization of crystals for IR detectors and second harmonic gereration devices
19 p3268 N91-28078

BHATNAGAR, R.
Infrared and visible laser double resonance studies of vibrational energy transfer processes in polyatomic molecules
[DE91-012162] 18 p3061 N91-26910

BHATNAGAR, V. P.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886

BHATT, HARISH C.
Polarization due to dust scattering in the planetary nebula Cn1-1
06 p0910 N91-15027

BHATT, R. T.
Investigation of interfacial shear strength in SiC/Si3N4 composites
[NASA-TM-103739] 18 p2943 N91-26233

BHATT, RAMAKRISHNA T.
Mechanical behavior of fiber reinforced SiC/RBSN ceramic matrix composites: Theory and experiment
[NASA-TM-103688] 13 p2044 N91-21243
In-situ x-ray monitoring of damage accumulation in SiC/RBSN tensile specimens
[NASA-TM-103733] 14 p2241 N91-22402
Microstructural and strength stability of CVD SiC fibers in argon environment
[NASA-TM-103772] 21 p3471 N91-29250
Ultrasonic velocity technique for monitoring property changes in fiber-reinforced ceramic matrix composites
[NASA-TM-103806] 22 p3690 N91-30546

BHATTACHARJEE, A.
Current sheet formation and rapid reconnection in the solar corona
20 p3407 N91-28884
Suppression and control of magnetic islands in toroidal plasmas
20 p3409 N91-28895

BHATTACHARJEE, P.
Ultrahigh-energy particles from cosmic strings
[DE91-009670] 14 p2354 N91-23019

BHATTACHARYA, B.
The cD galaxy in Abell cluster 1775
08 p1251 N91-16886

BHATTACHARYA, DEBADARSHI
Observations of cosmic gamma ray sources and their contribution to the diffuse gamma ray background
03 p0449 N91-12510

BHATTACHARYA, P. K.
Ellipsometric study of InGaAs MODFET material
[NASA-TM-103286] 11 p1698 N91-19351
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935

BHATTACHARYA, PALLAB
High speed devices based on lattice matched and pseudomorphically strained quantum wells for optoelectronic integrated circuits
[AD-A225052] 03 p0423 N91-12367

BHATTACHARYYA, S. K.
Application of the monolithic solid-oxide fuel cell to space power systems
[DE91-005833] 10 p1541 N91-18484

BHATTI, N.
Acid rain in Asia
[DE91-011160] 18 p3005 N91-26595

BHATTI, PARDEEP KUMAR
Probabilistic modeling and optimal design of robotic manipulators
03 p0372 N91-12084

BHAWMIK, SUDIPTA
An integrated CAD system for design of testable VLSI circuits
04 p0560 N91-13106

BHOGLE, SRINIVAS
An introduction to operations research
[NAL-PD-DU-9005] 22 p3748 N91-30893

BHUYAN, JAYANARAYAN
Cluster-based adaptive information retrieval
23 p3935 N91-31991

BIAGLOW, JAMES
A preliminary characterization of applied-field MPD thruster plumes
[NASA-CR-187165] 22 p3630 N91-30201

BIANCHINI, GARY V.
Development of an anti-icing system for the T800-LHT-800 turboshaft engine
23 p3794 N91-31160

BIANCO, LUCIO
Optimization models and techniques to improve air traffic management
02 p0173 N91-10988

BIANCO, R.
Thermal-vacuum test of IRIS grabber mechanism
07 p0953 N91-15241

BIBARSOV, P. SH.
Determination of the masses and densities of meteoroids from radar observations from one point
18 p2932 N91-26177

BIBAWY, NABIL A.
Improved method for preparing gravimetric standard gas mixtures of Helium-4 in nitrogen
[PB91-105700] 09 p1309 N91-17185

BIBEAU, C.
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems
[DE91-011524] 17 p2781 N91-25390

BIBEL, G. D.
Effects of rim thickness on spur gear bending stress
[NASA-TM-104388] 15 p2437 N91-23500

BIBRING, J. P.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175

BICCHI, ANTONIO
A criterion for the optimal design of multi-axis force sensors
[AD-A231014] 13 p2090 N91-21500

BICEN, ALI F.
Flow visualization in a particle laden jet flow
[AD-A226432] 04 p0523 N91-12914

BICHSEL, H.
Stopping power of fast charged particles in heavy elements
[PB91-194399] 22 p3753 N91-30918

BICKEL, J. E.
Arctic VLF/LF data acquisition
[AD-A239704] 23 p3858 N91-31510

BICKES, R. W., JR.
A transformer coupled semiconductor bridge igniter for low voltage ignition from a high voltage source
[DE90-009974] 08 p1131 N91-16221
Semiconductor Bridge (SCB) research and development
[DE91-011493] 20 p3309 N91-28319

BICKFORD, MARK
Verifying an interactive consistency circuit: A case study in the reuse of a verification technology
09 p1377 N91-17570
Verification of the FtCayuga fault-tolerant microprocessor system. Volume 2: Formal specification and correctness theorems
[NASA-CR-187574] 21 p3559 N91-29777
Verification of the FtCayuga fault-tolerant microprocessor system. Volume 1: A case study in theorem prover-based verification
[NASA-CR-4381] 21 p3559 N91-29778

BICKFORD, R. L.
Engine throat/nozzle optics for plume spectroscopy
[NASA-CR-188118] 14 p2236 N91-22373

BIDWELL, C. S.
Numerical simulation of ice growth on a MS-317 swept wing geometry
[NASA-TM-103705] 06 p0777 N91-14310

BIDWELL, COLIN S.
Progress toward the development of an airfoil icing analysis capability
02 p0148 N91-10866
Icing characteristics of a natural-laminar-flow, a medium-speed, and a swept, medium-speed airfoil
[NASA-TM-103693] 11 p1640 N91-19046

BIDWELL, S.
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358

BIDWELL, S. W.
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484

BIEBER, MICHAEL
Automating hypertext for decision support
13 p2166 N91-21951

BIEBER, MICHAEL PAUL
Generalized hypertext in a knowledge-based decision support shell environment
20 p3439 N91-29086

BIEDENBENDER, M. D.
Submicron gate InP power MISFET's with improved output power density at 18 and 20 GHz
18 p2977 N91-26436

BIEDINGER, URSULA
Electrofusion and regeneration of protoplasts from sunflower (Helianthus annuus L.)
11 p1759 N91-19675

BIEFELD, ERIC W.
User interface issues in supporting human-computer integrated scheduling
12 p1940 N91-20673

BIEFELD, R. M.
Low pressure MOCVD growth of InSb
[DE91-005839] 09 p1414 N91-17781
The preparation of InAsSb/InSb SLS (Strained-Layer Superlattice) and InSb photodiodes by MOCVD
[DE91-006781] 10 p1608 N91-18872
Selective suppression of carrier-driven photochemical etching: Raman spectroscopy as a diagnostic tool
[DE91-007495] 10 p1610 N91-18885
An overview of the electronic properties of InAs(1-x)Sb(x) strained-layer superlattices (O less than or equal to x less than or equal to 1)
[DE91-017458] 24 p4111 N91-32976

BIEG, K. W.
A refractive index gradient (RING) diagnostic for transient discharges or expansions of vapor or plasmas
[DE90-015840] 01 p0125 N91-10736

BIEGLER, L. T.
Optimization approaches to nonlinear model predictive control
[DE91-011178] 17 p2841 N91-25701

BIEHL, KEITH J.
Flight testing with etanol in turboprop engines
04 p0459 N91-12566

BIELAWA, RICHARD L.
Static strain and vibration characteristics of a metal semimonocoque helicopter tail cone of moderate size
[NASA-CR-187576] 23 p3885 N91-31679

BIELAWSKI, WILLIAM J.
Environmental exposure effects on composite materials for commercial aircraft
[NASA-CR-187478] 16 p2591 N91-24358

BIELICK, E. F.
A method for pressure-pulse suppression in fluid-filled piping
[DE90-010408] 08 p1137 N91-16260

BIENDENDER, M. D.
InP and InGaAs submicron gate microwave power transistors for 20 GHz applications
[AD-A238595] 21 p3508 N91-29473

BIENKOWSKI, P. R.
Monte Carlo simulation of supercritical solutions in the grand canonical ensemble
[DE91-009152] 15 p2502 N91-23859

BIERBAUM, CARL R.
Task analysis and workload prediction model of the MH-60K mission and a comparison with UH-60A workload predictions. Volume 2: Appendixes A through G
[AD-A228947] 09 p1373 N91-17545
Task analysis and workload prediction for the MH-47E mission and a comparison with CH-47D workload predictions. Volume 2: Appendixes A through N
[AD-A235249] 18 p3036 N91-26757
Task analysis and workload prediction model of the MH-60K mission and a comparison with UH-60A workload predictions. Volume 3: Appendixes H through N
[AD-A229408] 22 p3720 N91-30703

BIERBOOMS, WIM A. A.
An integrated dynamic model of a flexible wind turbine
[MEMT-6] 03 p0386 N91-12152

BIERI, ROBERT L.
Grazing incidence metal mirrors as the final elements in a laser driver for inertial confinement fusion
[DE91-000944] 04 p0585 N91-13268
Grazing incidence metal mirrors as the final elements in a laser driver for inertial confinement fusion
[DE91-005272] 09 p1406 N91-17736

BIERMANN, ERICH
Mutual influence of doping and oxidation in highly doped silicon
[ETN-91-98924] 11 p1811 N91-19948

BIERMANN, J. J. P.
The selective catalytic oxidation of ammonia to N2 and H2O over silica-supported molybdena catalysts
23 p3941 N91-32026

BIERSCHWALE, JOHN M.
Investigation of varying gray scale levels for remote manipulation
12 p1938 N91-20663
Space Station Freedom coupling tasks: An evaluation of their space operational compatibility
12 p1939 N91-20664

BIESIADNY, THOMAS J.
Overview of high performance aircraft propulsion
12 p1836 N91-20089

BIGELOW, C. A.
A macro-micromechanics analysis of a notched metal matrix composite
[NASA-TM-102728] 01 p0022 N91-10128
Effect of fiber-matrix debonding on notched strength of titanium metal matrix composites
[NASA-TM-104131] 21 p3469 N91-29239

BIGELOW, T. S.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856
BIGGAR, S. F.
The in-flight calibration of a helicopter-mounted Daedalus multispectral scanner
[DE91-013054] 20 p3286 N91-28170
BIGGAR, STUART FRICK
In-flight methods for satellite sensor absolute radiometric calibration 06 p0868 N91-14801
BIGIO, IRVING J.
Recent advances in excimer laser technology at Los Alamos
[DE90-016441] 01 p0046 N91-10276
Biomedical applications on laser technology at Los Alamos
[DE90-016447] 01 p0047 N91-10277
BIGLARI, H.
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
BIGNOTTO, F.
A CAD system to design logic controllers
[REPT-90-042] 16 p2667 N91-24756
BIGOTTEDEDEALMEIDA, ALBERTO TEIXEIRA
An empirical study of the fault-predictive ability of software control-structure metrics
[AD-A231860] 14 p2307 N91-22745
BIHARI, BARNA L.
Unstructured grid generation using the distance function 13 p2012 N91-21065
BIJLSMA, R. J.
Spatial image pattern analysis and basic soil properties of natural vegetation
[BCRS-90-01] 03 p0385 N91-12148
BILANIN, ALAN J.
Feasibility of an onboard wake vortex avoidance system
[NASA-CR-187521] 11 p1645 N91-19074
BILD, S.
Out-of-plane strengths of steel beams
[PB91-137471] 16 p2644 N91-24637
BILELLO, JOHN C.
Non-destructive evaluation of residual stresses in thin films via x ray diffraction topography methods
[AD-A235328] 18 p2997 N91-26552
BILES, JOHN
Northeast Artificial Intelligence Consortium (NAIC). Volume 8: Artificial intelligence applications to speech recognition
[AD-A234887] 18 p3047 N91-26822
BILGRAM, R.
Ultrasonic examination of fiber composite materials by means of virtual C-scan test and model recognition
[MBB-Z-0299-89-PUB] 02 p0191 N91-11066
Automatized ultrasonic examination of copper forging blanks for the Ariane driving gear
[MBB-Z-0327-90-PUB] 22 p3690 N91-30548
BILITZA, DIETER
Solar-terrestrial models and application software
[NASA-TM-105052] 22 p3705 N91-30620
International reference ionosphere 1990
[NASA-TM-105055] 22 p3705 N91-30621
BILL, ROBERT C.
Advanced rotorcraft transmission program
[NASA-TM-103276] 13 p2094 N91-21531
Recent manufacturing advances for spiral bevel gears
[NASA-TM-104479] 23 p3881 N91-31654
BILLER, S. D.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
BILLET, M. L.
Fundamental hydrodynamics research
[AD-A225030] 03 p0374 N91-12092
BILLIARD, P. A.
Ignition characteristics of the nickel-based alloy UNS N07001 in pressurized oxygen
[NASA-CR-188223] 17 p2755 N91-25250
BILLICA, ROGER
Health maintenance facility: Dental equipment requirements 24 p4077 N91-32777
Dental equipment test during zero-gravity flight 24 p4078 N91-32778
Application and use of spinal immobilization devices in zero-gravity flight 24 p4078 N91-32781
Minor surgery in microgravity 24 p4079 N91-32786
Venipuncture and intravenous infusion access during zero-gravity flight 24 p4079 N91-32788
Evaluation of cardiopulmonary resuscitation techniques in microgravity 24 p4079 N91-32789
Fluid handling 2: Surgical applications 24 p4080 N91-32790
Evaluation of prototype air/fluid separator for Space Station Freedom Health Maintenance Facility 24 p4080 N91-32791
BILLIG, F. S.
Design techniques for dual mode ram-scramjet combustors 15 p2379 N91-23166
BILLINGS, CHARLES E.
Human-centered automation: Development of a philosophy 02 p0163 N91-10944
Human-centered aircraft automation: A concept and guidelines
[NASA-TM-103885] 24 p3961 N91-32135
BILLINGS, S. A.
Model validity tests for nonlinear signal processing applications
[RR-401] 07 p0996 N91-15468
Practical identification of NARMAX models using radial basis functions
[RR-393] 07 p1060 N91-15829
Describing functions, Volterra series, and the analysis of nonlinear systems in the frequency domain
[RR-396] 07 p1060 N91-15830
Performance monitoring in nonlinear adaptive noise cancellation
[RR-409] 11 p1700 N91-19362
Rational model identification using an extended least squares algorithm
[RR-388] 11 p1778 N91-19753
The qualitative analysis of nonlinear parameterised systems. Part 2: A method for the global analysis of nonlinear systems
[RR-400-PT-2] 11 p1778 N91-19754
The qualitative analysis of nonlinear parameterized systems. Part 1: Nonlinear systems representation and dynamical systems theory
[RR-408-PT-1] 11 p1784 N91-19789
Orthogonal least squares parameter estimation algorithms for nonlinear stochastic systems
[RR-404] 11 p1786 N91-19797
A prediction-error estimation algorithm for the reconstruction of linear and nonlinear continuous time models from frequency response data
[RR-421] 22 p3730 N91-30762
Properties of neural networks with application to modelling nonlinear dynamical systems
[RR-418] 22 p3742 N91-30846
A recursive hybrid algorithm for non-linear system identification using radial basis function networks
[RR-422] 22 p3745 N91-30870
Recursive parameter estimations for nonlinear rational models
[RR-420] 22 p3747 N91-30885
BILLINGSLEY, JAMES P.
The relevance of the De Broglie relation to the Hugoniot Elastic Limit (HEL) of shock loaded solid materials
[AD-A225786] 04 p0536 N91-12973
BILLITTI, JOSEPH W.
Photovoltaic system criteria documents. Volume 2: Quality assurance criteria for photovoltaic applications
[NASA-CR-183317] 12 p1918 N91-20553
Photovoltaic system criteria documents. Volume 4: Review criteria for photovoltaic applications
[NASA-CR-183319] 12 p1919 N91-20554
Photovoltaic system criteria documents. Volume 6: Criteria for auditing photovoltaic system applications and experiments. Revision A
[NASA-CR-183321] 12 p1919 N91-20555
Photovoltaic system criteria documents. Volume 1: Guidelines for evaluating the management and operations planning of photovoltaic applications
[NASA-CR-183316] 12 p1919 N91-20556
Photovoltaic system criteria documents. Volume 3: Environmental issues and evaluation criteria for photovoltaic applications
[NASA-CR-183318] 12 p1919 N91-20557
Photovoltaic system criteria documents. Volume 5: Safety criteria for photovoltaic applications
[NASA-CR-183320] 12 p1919 N91-20558
BILLS, BRUCE G.
Obliquity histories of Earth and Mars: Influence of inertial and dissipative core-mantle coupling 14 p2348 N91-22987
BILLS, K. C.
Volumetric reach comparison of possible end-effectors for the articulated transporter and manipulator system
[DE91-004390] 07 p1011 N91-15552
BILSBY, ELIZABETH R.
Trial implementation of a secure application using Ten15
[RSRE-MEMO-4465] 22 p3729 N91-30759
BINCZEWSKI, GEORGE J.
Composite ingot casting
[PATENT-1-250-128] 23 p3813 N91-31269
BINDSCHADLER, ROBERT A.
West Antarctic Ice Sheet Initiative. Volume 1: Science and Implementation Plan
[NASA-CP-3115-VOL-1] 12 p1916 N91-20541
West Antarctic Ice Sheet Initiative. Volume 2: Discipline Reviews
[NASA-CP-3115-VOL-2] 18 p3001 N91-26573
BINER, S. B.
Analysis of deformation characteristics of a heavily deformed Cu-20 percent Nb composite
[DE90-018041] 02 p0191 N91-11070
Characterization of short fatigue cracks at notches in SiC particulate aluminum composite
[DE90-018043] 02 p0191 N91-11071
BINGEL, BRADFORD D.
Pressure visualization (PreViz) package version 1.0 user's guide
[NASA-CR-187444] 05 p0701 N91-13907
Analytic Patch Configuration (APC) gateway version 1.0 user's guide
[NASA-CR-187464] 07 p1048 N91-15751
Transferable Output ASCII Data (TOAD) gateway: Version 1.0 user's guide
[NASA-CR-187489] 11 p1775 N91-19737
Large Angle Transient Dynamics (LATDYN) user's manual
[NASA-CR-4401] 23 p3886 N91-31685
BINGHAM, H. H.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836
BINGHAM, PHILLIP R.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 4, Task 6: Parallel function processor development
[AD-A225126] 04 p0474 N91-12650
Guidance, navigation and control. Digital emulation technology laboratory. Volume 3, Task 3: Special studies
[AD-A225125] 05 p0618 N91-13430
BINKOWSKI, F. S.
Modal aerosol dynamics modeling
[PB91-161729] 18 p3006 N91-26598
BINKS, P. N.
Orbital motion in stellar systems 09 p1426 N91-17850
BINNENBRUCK, H.
The German microgravity program and flight occurrences 14 p2332 N91-22884
BINOT, P.
Preliminary study of a membrane bioreactor for cell culture in space 11 p1750 N91-19627
BION, T.
Single event effects by protons on low Earth orbits: A problem for European manned space missions 24 p3998 N91-32349
BIONDO, A. C.
Accurate representations of general textures by a set of weighted grains
[DE90-016487] 02 p0265 N91-11485
Texture analysis of bulk YBa2Cu3O(x) by neutron diffraction
[DE91-006563] 09 p1417 N91-17802
Texture characterization of high Tc thick films
[DE91-006652] 10 p1607 N91-18870
Critical current and flux pinning by crystal defects in melt-textured YBa2Cu3O(x)
[DE91-011749] 17 p2874 N91-25895
BIRAUD, F.
Technical considerations on using the large Nancay radio telescope for SETI 03 p0355 N91-11985
BIRCH, J. R.
The development of an untuned cavity as a high effective temperature microwave calibration source
[NPL-DES-106] 12 p1902 N91-20462
BIRCH, PETER V.
The 15 years of comet photometry: A comparative analysis of 80 comets 17 p2896 N91-26004
BIRCH, T. J.
Pressure measurements on slender bodies at supersonic speeds and development of flow separation critera for Euler codes 06 p0772 N91-14282
BIRCHENOUGH, SHAWN
Project Artemis 10 p1478 N91-18141
BIRD, E. L.
The effect of slightly faster strain rates and internal hydrogen on uranium-0.8 weight percent titanium alloy mechanical properties
[DE91-004376] 07 p0982 N91-15392
BIRD, S. A.
Simulation of radiation induced circuit failure modes in SOS integrated circuits 24 p3999 N91-32351

BIRD, S. L.
Preliminary testing, evaluation and sensitivity analysis for the Terrestrial Ecosystem Exposure Assessment Model (TEEAM)
[PB91-161711] 18 p3006 N91-26602

BIRDSALL, D.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690

BIRDSALL, D. L.
The forward mounted spoiler as a source of buffet excitation 06 p0781 N91-14332

BIRDSALL, THEODORE G.
Ocean acoustic tomography and telemetry
[AD-A233826] 18 p3017 N91-26659

BIRDWELL, J. DOUGLAS
Prediction of helicopter simulator sickness
[DE90-016530] 06 p0853 N91-14710

BIRDWELL, K. R.
A global geographic information system data base of storm occurrences and other climatic phenomena affecting coastal zones
[DE91-014949] 21 p3542 N91-29682

BIREMBAUT, Y.
Calculations for structures with nonlinear joints
[CETIM-108830] 05 p0679 N91-13776

BIRENZVIGE, A.
Predicting polymer properties by computational methods. Part 1: Polyvinyl chloride and its homologs
[AD-A235434] 19 p3137 N91-27333

BIRINGEN, S.
Numerical simulation of particle-wave interaction in boundary layers
[NASA-CR-187312] 20 p3341 N91-28502

BIRINGER, K. L.
Power system requirements and selection for the space exploration initiative
[DE91-016707] 24 p3964 N91-32150

BIRKAN, M. A.
Proceedings of the AFOSR/ONR contractors meeting, Combustion, Rocket Propulsion, Diagnostics of Reacting Flow
[AD-A225444] 03 p0324 N91-11805

BIRKMIRE, R. W.
Materials analysis and device optimization of CuInSe2 solar cells
[DE90-000365] 01 p0064 N91-10384
Novel ways of depositing ZnTe films by a solution growth technique
[DE91-002189] 20 p3328 N91-28429

BIRKMIRE, ROBERT W.
Fundamentals of polycrystalline thin film materials and devices
[DE91-002130] 10 p1608 N91-18874

BIRKNER, BJORN
Near field interaction of microwave signals with a bounded plasma plume
[NASA-CR-185358] 18 p3067 N91-26944

BIRKNER, BJORN W.
Arcjet nozzle area ratio effects
16 p2575 N91-24271

BIRMAN, KEN
Designing application software in wide area network settings
[NASA-CR-187333] 01 p0109 N91-10633

BIRMAN, KENNETH
ISIS and META projects
[NASA-CR-186413] 06 p0857 N91-14731
The ISIS project: Real experience with a fault tolerant programming system
[NASA-CR-187029] 06 p0857 N91-14732

BIRMAN, KENNETH P.
The ISIS project: Fault-tolerance in large distributed systems
[NASA-CR-186625] 05 p0704 N91-13928
Using process groups to implement failure detection in asynchronous environments
[NASA-CR-187978] 10 p1574 N91-18663
Lightweight causal and atomic group multicast
[NASA-CR-187976] 10 p1575 N91-18665
Programming with process groups: Group and multicast semantics
[NASA-CR-187975] 14 p2303 N91-22722
The process group approach to reliable distributed computing
[NASA-CR-188498] 18 p3044 N91-26804

BIRMINGHAM, JOSEPH G.
The reactive bed plasma system for contamination control 07 p1080 N91-15945

BIRN, J.
Substorm features in MHD (magnetohydrodynamics) simulations of magnetotail dynamics
[DE91-007407] 10 p1624 N91-18958

BIRN, JOACHIM
Modeling of the quasi-steady magnetotail
[DE91-000444] 04 p0546 N91-13030

BIRNER, R.
Development of a relatchable cover mechanism for a cryogenic IR-sensor 16 p2640 N91-24612

BIRON, P. J.
High resolution microburst outflow vertical profile data from Huntsville, Alabama, and Denver, Colorado
[AD-A236486] 19 p3151 N91-27419

BIRRENBACH, R.
Dornier 328: Technology versus certification aspects of program philosophy 03 p0307 N91-11716

BIRRER, P.
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300

BIRTCHER, CRAIG R.
Advanced electromagnetic methods for aerospace vehicles
[NASA-CR-187721] 07 p0994 N91-15453

BIRX, D. L.
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482

BIRX, DANIEL
An all-solid-state CO2 laser driver
[AD-A233212] 16 p2632 N91-24571

BISACCHICOELHO, ORLANDO
Implementation of a matrix theorem prover for propositional modal logic
[INPE-5124-RPE/629] 13 p2133 N91-21743

BISANZ, R.
Development and application of the test data analysis and monitoring software DIANA
07 p0959 N91-15279

BISARD, T.
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041

BISBAL, N.
Thermal distortion measurement on antenna-reflectors by real-time holographic interferometry in ambient pressure 07 p0958 N91-15269

BISCHEL, WILLIAM K.
Multiphoton detection techniques for F and F2
[AD-A232641] 15 p2399 N91-23286

BISCHOF, C.
Exploiting parallelism in automatic differentiation
[DE91-011841] 17 p2839 N91-25692

BISCHOF, CHRISTIAN H.
A block QR factorization algorithm for rank-deficient matrices
[DE90-010066] 08 p1196 N91-16573
Increasing the granularity of parallelism and reducing contention in automatic differentiation
[DE91-004747] 10 p1580 N91-18694

BISCHOFF, MANFRED
Fuel cells for commercial energy
[MBB-UE-0018-90-PUB] 23 p3889 N91-31706

BISHNOI, PEEUSH KUMAR
A critical analysis of anisotropic k-epsilon modeling and its application to turbulence-driven secondary flows
20 p3346 N91-28533

BISHOFF, L. B.
Multichannel adaptive vibration control of a mounted plate
[AD-A236106] 19 p3180 N91-27581

BISHOP, A. R.
The nonlinear Schroedinger equation on a disordered chain
[DE91-005881] 09 p1391 N91-17656
X ray absorption fine structure of systems in the anharmonic limit
[DE91-016070] 24 p4097 N91-32892

BISHOP, ANN
Federal information inventory/locator systems: From burden to benefit 05 p0729 N91-14074

BISHOP, D. F.
New space research frequency band proposals in the 20- to 40.5-GHz range 10 p1513 N91-18327

BISHOP, IVAN STUART
Studies of molecular excitation in star formation regions 15 p2531 N91-24023

BISHOP, JAMES
Vertical mixing and methane photochemistry in the atmosphere of Uranus: Analysis of Voyager UVS occultation experiments
[NASA-CR-188789] 24 p4123 N91-33042

BISHOP, MICHAEL
A practical approach to object based requirements analysis 01 p0106 N91-10615

BISHOP, N. W. M.
Severity criteria for broad-band random vibration
07 p0955 N91-15249

BISHOP, PAUL E.
On radar receivers
[AD-A230525] 12 p1885 N91-20366

BISHOP, PETER C.
The integrated scheduling system: A case study in project management
[NASA-CR-187261] 01 p0134 N91-10793
Space market model development project
[NASA-CR-187249] 03 p0426 N91-12385
PC tools for project management: Programs and the state-of-the-practice
[NASA-CR-187392] 04 p0558 N91-13094
Space market model development project, phase 3
[NASA-CR-187251] 04 p0601 N91-13348
Space market model development project, phase 2
[NASA-CR-187250] 04 p0601 N91-13349
The Johnson Space Center Management Information Systems (JSCMIS): An interface for organizational databases
[NASA-CR-187256] 04 p0604 N91-13362
The Johnson Space Center management information systems: User's guide to JSCMIS
[NASA-CR-187258] 04 p0605 N91-13364
RICIS research 10 p1567 N91-18618
An overview of the information management component of RICIS 10 p1568 N91-18620
Earth view: A business guide to orbital remote sensing
[NASA-CR-188238] 16 p2651 N91-24671
Feasibility study on the use of groupware support for NASA source evaluation boards
[NASA-CR-188832] 24 p4085 N91-32824

BISHOP, PHILLIP A.
Techniques for determining total body water using deuterium oxide 18 p3092 N91-27091

BISHOP, R. W.
Fokker 50: Technology versus certification experience
03 p0307 N91-11713

BISHOP, ROBERT H.
Geometric nonlinear filtering theory with application to the maneuvering aircraft tracking problem
17 p2766 N91-25308

BISHOP, THOMAS
Space shuttle main engine fault detection using neural networks 12 p1965 N91-20816

BISHOP, W.
Fabrication and optimization of a whiskerless Schottky barrier diode for submillimeter wave applications
[NASA-CR-186381] 02 p0204 N91-11144

BISHOP, WALTON BURRELL
Cognitive cybernetics and human communication: The regulatory effects of prior knowledge
24 p4076 N91-32771

BISHT, R. S.
Far-infrared observations of Circinus and NGC 4945 galaxies 05 p0740 N91-14131

BISKAMP, D.
Statistical properties of two-dimensional magnetohydrodynamic turbulence
20 p3407 N91-28886

BISNOVATYI-KOGAN, G. S.
The plasma model of radioemission from SN 1987A
06 p0923 N91-15101
Multifrequency behaviour of the T Tauri star RU Lupi
09 p1433 N91-17892

BISSANTZ, H.
Ultrafast laser techniques
[AD-A236688] 19 p3172 N91-27536

BISSCHOP, J. J.
New constructs for the description of combinatorial optimization in algebraic modeling languages
[MEMO-901] 14 p2309 N91-22756
Representation of time in mathematical programming modeling languages
[MEMO-933] 22 p3736 N91-30809

BISSET, K. R.
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742

BISSINGER, NORBERT C.
Generalized flux vectors for hypersonic shock capturing
[MBB/FE122/S/PUB/397] 05 p0617 N91-13423

BISWAS, P. K.
Effect of biweekly shoot tip harvests on the growth and yield of Georgia Jet sweet potato grown hydroponically
19 p3266 N91-28065

BISWAS, R.
A theoretical investigation on structural, vibrational, and electronic properties of amorphous silicon
[DE90-018040] 02 p0226 N91-11267

BISWAS, SAROJ K.
Stabilization of large space structures by linear reluctance actuators 14 p2225 N91-22309

BITTENCOURT, GILHERME
A hybrid knowledge representation tool
[INPE-5195-PRE/1663] 14 p2339 N91-22930

BITTENCOURT, GUILHERME
The integration of terminological and logical knowledge representation languages
[INPE-5092-PRE/1597] 03 p0398 N91-12213

BITTNER, BURT J.
Diffuse dispersive delay and the time convolution/attenuation of transients
24 p4068 N91-32730

BITTNER, R. D.
Flow establishment in a generic scramjet combustor
[NASA-CR-187467] 05 p0657 N91-13649

BIWER, B. M.
Second harmonic generation and sum frequency generation
[DE91-006654] 10 p1609 N91-18883

BIXLER, JAY V.
The design and construction of an Automated Multi-Object Spectroscopy system (AMOS)
[DE90-011497] 08 p1109 N91-16088

BIZZARRI, B.
Applicability of SAR data to meteorology and climatology 07 p0992 N91-15442

BIZZARRI, R.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585

BJARKE, LISA J.
Flow visualization study of a 1/48-scale AFTI/F111 model to investigate horizontal tail flow disturbances
[NASA-TM-101698] 16 p2549 N91-24128

BJOERCK, ANDERS
Airfoil design for variable RPM horizontal axis wind turbines
[FFA-TN-1990-02] 05 p0684 N91-13801

BJOERNSSON, GUNNLAUGUR
A study of electron-positron pair equilibria in models of compact X- and gamma-ray sources
03 p0449 N91-12508

BJOERNSTROEM, GUNNAR
SAW technology for multicarrier demodulation in advanced payloads 13 p2030 N91-21164

BJORDAL, HALVOR
CESAR MALU program library
[FFI-90/7010] 05 p0703 N91-13922

BJORKEN, J. D.
Soft and hard Pomerons: Is there a distinction?
[DE91-016048] 24 p4096 N91-32883

BJORKEN, JAMES D.
Theoretical topics in B-physics
[DE91-004911] 08 p1221 N91-16726

BJORVATTEN, TOR
Alarm response of 'CAM' downwind to chemical attacks
[FFI-90/6007] 14 p2321 N91-22821

BLACK, DAVID
Planetary astronomy 24 p4120 N91-33027

BLACK, F. M.
Overview of the technical implications of methanol and ethanol as highway motor vehicle fuels
[PB91-182881] 21 p3493 N91-29385

BLACK, F. OWEN
Role of orientation reference selection in motion sickness
[NASA-CR-186612] 01 p0101 N91-10591

BLACK, G. THOMAS
MIL-STD-1797 is not a cookbook
15 p2369 N91-23111
Do civil flying qualities requirements address military missions for off-the-shelf procurement
15 p2370 N91-23115

BLACK, GARY D.
Aircraft configuration study for experimental 2-place aircraft and RPVs
[AD-A227604] 07 p0939 N91-15149

BLACK, PATRICK B.
Purity determination of standard analytical reference materials by differential scanning calorimetry
[AD-A224669] 03 p0337 N91-11886

BLACK, RONALD DOUGLAS
Thermal stress-induced grain boundary cavitation in narrow, aluminum alloy metallizations
02 p0195 N91-11093

BLACK, W. M.
Investigation of interlayer materials for the microwave joining of SiC
[DE91-013311] 20 p3325 N91-28414

BLACKABY, NICHOLAS D.
On the Goertler instability in hypersonic flows: Sutherland law fluids and real gas effects
[NASA-CR-187481] 08 p1092 N91-15994

BLACKBOURN, ROBERT L.
Experimental assessment of dynamic structural parameters for homogeneous and interfacial charge-transfer reactions: Case studies based on time-dependent Raman scattering methods
[AD-A235570] 19 p3157 N91-27453

BLACKBURN, D. L.
Semiconductor measurement technology: Thermal resistance measurements
[PB90-269564] 09 p1410 N91-17762

BLACKBURN, J. F.
European Telecommunications Conference. Strategic Planning for the 1990s
[AD-A225521] 04 p0514 N91-12856
Cable Television and Satellite Broadcasting
[AD-A225523] 04 p0514 N91-12857
Proceedings of the U.K. Information Technology Conference
[AD-A225509] 04 p0605 N91-13368
BRITE/EURAM: Third Technological Days for the Basic Research in Industrial Technologies in Europe/European Research in Advanced Materials
[AD-A225522] 04 p0611 N91-13396
Overview of European technology in computers, telecommunications, and electronics
[PB90-215773] 05 p0650 N91-13610

BLACKBURN, JAMES C.
Electron-beam-pinch experiment at Harry Diamond Laboratories: Providing for a high-dose-rate flash x ray facility for Transient Radiation Effects on Electronics (TREE) testing of pieceparts
[AD-A239558] 23 p3799 N91-31193

BLACKBURN, M. J.
Lightweight disk alloy development
[AD-A237064] 21 p3481 N91-29309

BLACKER, TED D.
An adaptive finite element technique using element equilibrium and paving
[DE90-015829] 02 p0254 N91-11410

BLACKMAN, HAROLD S.
Human system interaction measures: An approach to improve system performance
[DE91-001827] 07 p1035 N91-15679

BLACKSTEN, H. R.
Research and methods for simulation design: State of the art
[AD-A230076] 12 p1930 N91-20623

BLACKSTOCK, DAVID T.
Nonlinear acoustics: Propagation in a periodic waveguide and scattering of sound by sound
[AD-A224738] 03 p0414 N91-12318

BLACKWELL, ANN L.
A perspective on CELSS control issues
23 p3904 N91-31794

BLACKWELL, MIKE
The Uranus mobile robot
[AD-A236593] 19 p3175 N91-27553

BLACKWELL, N. JOAN
Transfer-of-training study of emergency touchdown maneuvers in the AH-1 flight and weapons simulator
[AD-A226360] 04 p0487 N91-12709

BLACKWOOD, LARRY G.
Recommended methods for statistical analysis of data containing less-than-detectable measurements
[DE91-006102] 10 p1544 N91-18499

BLADES, J. C.
The ultraviolet atlas of quasar and Blazar spectra
09 p1444 N91-17961

BLADOS, WALTER R.
The USAF STINFO program overview
[AD-A226969] 08 p1241 N91-16838
Document marking
[AD-A231150] 14 p2340 N91-22940
Abridged USAF STINFO program manager's overview manual
[AD-A232483] 15 p2525 N91-23995
The value of STINFO
[AD-A232484] 15 p2525 N91-23996
Interacting with DTIC
[AD-A232485] 15 p2525 N91-23997
Quo vadimus: Coming to grips with the information world
[NASA-TM-105138] 16 p2700 N91-24951

BLAEDEL, K. L.
Numerical simulations of the indentation of glass with implications to ductile grinding
[DE91-011512] 18 p2967 N91-26381

BLAES, B. R.
Test chips and ASIC qualification
24 p3995 N91-32327

BLAHA, CYNTHIA ANNE
The stellar content of M101 05 p0764 N91-14244

BLAHA, GEORGES
General closed-form orthonormalization methods with applications to adjustment tensors
[AD-A233180] 16 p2679 N91-24827
Generalized latitude and longitude in a general Riemannian space, with a specialization for Hotine's (omega, phi, nu) coordinate system
[AD-A235584] 19 p3183 N91-27605

BLAIR, A. B., JR.
Evaluation of a technique to generate artificially thickened boundary layers in supersonic and hypersonic flows
[NASA-TP-3142] 20 p3280 N91-28136

BLAIR, D. S.
Identification of surface contaminants using infrared micro-profiling
[DE91-006779] 10 p1496 N91-18236
Process monitoring of polyurethane foam using Fourier transform infrared spectroscopy
[DE91-010578] 18 p2968 N91-26385
Characterization of surface contaminants using infrared microspectroscopy
[DE91-009405] 21 p3529 N91-29605

BLAIR, H. T.
Carbide fuels for nuclear thermal propulsion
[DE91-016032] 23 p3927 N91-31945

BLAIR, JERRY T.
S-76 rotorcraft high intensity radiated fields. Test plan
[SCIE-FAA-001-91] 19 p3154 N91-27438

BLAIR, L. W.
Ice ingestion experience on a small turboprop engine
23 p3794 N91-31162

BLAIR, MAXWELL
Development and application of the time domain panel method 02 p0178 N91-11010

BLAIR, PATRICIA
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697

BLAIR, W. P.
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990

BLAKE, A.
Epipolar geometry for trinocular active range-sensors
[OUEL-1850/90] 04 p0527 N91-12923
Visual navigation around curved obstacles
[OUEL-1861/90] 11 p1717 N91-19458

BLAKE, D. F.
Low-pressure clathrate-hydrate formation in amorphous astrophysical ice analogs 17 p2892 N91-25985

BLAKE, DAVID
Development and growth of inaccessible aircraft fires under inflight airflow conditions
[DOT/FAA/CT-91/2] 12 p1831 N91-20064

BLAKE, E. H.
Introduction to aspects of object oriented graphics
[CWI-CS-R9009] 08 p1200 N91-16597

BLAKE, GEOFFREY A.
The cosmochemistry of protostellar matter
10 p1619 N91-18927

BLAKE, IAN F.
Coding for frequency hopped spread spectrum satellite communications
[ECE-89-1] 21 p3496 N91-29398

BLAKE, JANINE
Proceedings of the 1990 AIAA/FAA Joint Symposium on General Aviation Systems
[DOT/FAA/CT-90/11] 04 p0458 N91-12563
Statistics on aircraft gas turbine engine rotor failures that occurred in US commercial aviation during 1987
[DOT/FAA/CT-90/19] 10 p1472 N91-18112

BLAKE, JEAN A.
Updating and augmenting NASA spacelink electronic information system 10 p1626 N91-18970

BLAKE, R. A.
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330

BLAKE, R. D.
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115
Investigation of interlayer materials for the microwave joining of SiC
[DE91-013311] 20 p3325 N91-28414
Microwave enhanced diffusion?
[DE91-013312] 20 p3326 N91-28415

BLAKE, R. L.
Measurement of molybdenum mirror reflectivities
[DE91-013318] 22 p3754 N91-30927

BLAKE, WILLIAM B.
Missile Datcom: User's manual
[AD-A237817] 21 p3452 N91-29148

BLAKELY, J.
Surface phases and their influence on metal-oxide interfaces
[DE91-012277] 20 p3425 N91-28995

BLAKELY, JACK
Surface phases and their influence on metal-oxide interfaces
[DE90-017608] 02 p0196 N91-11099
BLAKENEY, ROBERT D.
Research in mathematics and computer science: Calculation of the probability of undetected error for certain error detection codes, phase 2
[AD-A238234] 21 p3557 N91-29768
BLAKERS, A. W.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
BLAKESLEE, RICHARD
Global lightning studies 24 p4057 N91-32667
Lightning to the upper atmosphere: A vertical light pulse from the top of a thunderstorm as seen by a payload bay TV camera of the space shuttle 24 p4067 N91-32720
BLAKESLEE, RICHARD J.
Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-1-CU] 07 p1032 N91-15661
BLAKKOLB, B. K.
LEO space environmental effects: TRW LDEF experimental trays 16 p2714 N91-25024
LDEF SP-HVDE (space plasma-high voltage drainage experiment) post-flight data on spacecraft leakage current and discharge 16 p2720 N91-25064
BLALOCK, A. V.
Automated verification of system configuration
[DE91-012520] 20 p3337 N91-28481
BLALOCK, T. V.
Optimizing the temperature compensation of an electronic pressure measurement system
[DE91-000522] 07 p1005 N91-15516
BLANC, ELISABETH
Observations of perturbations produced by powerful chemical explosions in the ionosphere 10 p1553 N91-18541
BLANCHARD, CHERYL R.
Characterization of mechanical damage mechanisms in ceramic composite materials
[NR-032-553] 18 p2943 N91-26235
Response of whisker-reinforced ceramic matrix composites to dynamic compressive loading 18 p2943 N91-26236
Fragmentation of brittle materials at high rates of loading 18 p2943 N91-26237
BLANCHARD, D. L.
A LEED study of the MgO(001) surface structure
[DE91-002811] 06 p0883 N91-14879
BLANCHARD, R. C.
Determination of shuttle orbiter center of gravity from flight measurements
[NASA-TM-102627] 08 p1103 N91-16058
BLANCHART, J.
Total quality management: What are the facts behind the concepts? 24 p4004 N91-32385
BLANCHET, P.
Study of lightning strikes on an aircraft in flight. Electric measurements
[ONERA-RF-98/7154-PY] 23 p3786 N91-31112
BLANCHETTE, BRYAN M.
The design and construction of a shiplaunched VTOL unmanned air vehicle
[AD-A238053] 21 p3457 N91-29173
BLANCHETTE, MARTIN
ECCM advantages of adaptive digital pulse compression 16 p2615 N91-24474
BLANCO, A.
Laboratory spectra of amorphous and crystalline olivine: An application to comet Halley IR spectrum
[DE91-002307] 05 p0768 N91-14264
Raman properties of various carbonaceous materials and their astrophysical implications 06 p0893 N91-14933
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
Infrared spectra of crystalline and glassy silicates and application to interstellar dust 06 p0904 N91-14994
Experimental evidence for amorphous carbon grains in comets 06 p0907 N91-15008
IR emission from circumstellar envelopes of C-rich stars 06 p0909 N91-15019
BLANCO, ALEJANDRO G.
Towards intelligent finite element analysis
[AD-A228672] 09 p1389 N91-17641
BLANCO, P. R.
Infrared spectroscopy of the dwarf starburst galaxy Henize 2-10 05 p0757 N91-14213
BLANCON, R.
Mechanical and metallurgical aspects of warm temperature forcing
[CETIM-105430] 12 p1868 N91-20263
BLAND, DAN
Operational efficiency 09 p1283 N91-17055
BLAND, JONATHAN
Large scale excitation of the ISM in NGC 1068 05 p0745 N91-14150
The Hawaii Imaging Fabry-Perot Interferometer (HIFI) 05 p0763 N91-14240
BLAND, SAMUEL R.
Suggestions for CAP-TSD mesh and time-step input parameters
[NASA-TM-104083] 19 p3100 N91-27128
BLANDER, M.
Thermodynamic behavior of high-Tc oxide systems via EMF and related measurements
[DE91-006590] 10 p1607 N91-18866
Thermodynamic behavior of high-T(sub c) oxide systems via EMF and related measurements
[DE91-010589] 16 p2695 N91-24924
BLANDFORD, ROGER D.
UV-optical from space 24 p4119 N91-33021
BLANDING, WAYNE RICHARD
Observations of ocean fluctuations between 15 and 23 hour periods in the Pacific
[AD-A227017] 06 p0851 N91-14695
BLANEY, DIANA LEE
Composition and distribution of carbonates, sulfates, and hydrates on the Martian surface from earth-based spectroscopy between 3-5 microns 15 p2533 N91-24033
BLANKEN, H. M.
A classification of transitive closure algorithms
[MEMO-INF-91-18] 22 p3736 N91-30804
BLANKEN, HENK M.
Three-phase parallel join model
[MEMO-INF-90-49] 10 p1577 N91-18679
Representing complex objects in a distributed database: A performance evaluation
[MEMO-INF-90-92] 22 p3769 N91-31015
Control versus data flow in distributed database machines
[MEMO-INF-91-02] 22 p3769 N91-31016
BLANKENSHIP, D. M.
Quantitative infrared determination of composition and properties of Borophosphosilicate Glass (BPSG) thin films using multivariate calibration
[DE90-017030] 09 p1319 N91-17243
BLANKENSHIP, G. L.
Nonlinear dynamics and control of flexible structures
[AD-A232795] 17 p2739 N91-25160
BLANKENSHIP, R. E.
Antenna organization in green photosynthetic bacteria
[DE91-014814] 20 p3380 N91-28723
BLANKENSHIP, T. KEITH
Improving methods for estimating software development costs
[AD-A228385] 09 p1380 N91-17587
BLANKERS, R.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
Finite element calculations on rear calorimetermodules for the Zeus experiment
[NIKHEF-H/90-10] 14 p2324 N91-22834
BLANN, M.
SDI: Statistical Dynamic Interactions
[DE91-012034] 20 p3397 N91-28827
BLANPAIN, R.
IAL SPACE: A test laboratory for the ISO cryogenic payload 11 p1659 N91-19142
BLANTON, S. H.
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
BLASKIEWICZ, MICHAEL MATHEW
Observational constraints on pulsars: Location of the emission region and pulse shape stability on decade time scales 20 p3442 N91-29097
BLASKOVIC, M.
Diurnal variation of marine stratocumulus over San Nicolas Island during the FIRE IFO 01 p0083 N91-10491
BLASS, J. J.
Design methodology needs for fiber-reinforced ceramic heat exchangers
[DE90-016659] 01 p0030 N91-10178
Reduction factors for creep strength and fatigue life of modified 9 Cr-1 Mo steel weldments
[DE91-009919] 15 p2445 N91-23544
BLATTER, GIANNI
Flux dynamics in high-Tc superconductors
[DE91-017977] 24 p4113 N91-32988
BLATTNER, ERNEST W.
Design and evaluation of thrust vectored nozzles using a multicomponent thrust stand
[NASA-CR-180474] 02 p0187 N91-11050
BLATTNER, M. M.
Techniques for interactive 3-D scientific visualization
[DE91-007122] 11 p1777 N91-19745
BLAU, ABRAHAM
Estimation of evoked potentials
[ITN-90-85060] 07 p1035 N91-15676
BLAU, P. J.
Sliding wear-testing and data analysis strategies for advanced engineering ceramics
[DE91-009524] 18 p2967 N91-26383
BLAYLOCK, B. GORDON
Validity of environmental transfer models
[DE91-002929] 06 p0843 N91-14660
BLECK, RAINER
The effect of latent heat release on synoptic-to-planetary wave interactions and its implication for satellite observations: Theoretical modeling 08 p1184 N91-16514
BLECKI, J.
Plasma waves as a signature of flux transfer events 01 p0071 N91-10427
BLEHA, S. A.
Characterization of ultrasonic transducers using pattern recognition techniques
[DE91-000580] 08 p1149 N91-16326
BLEIER, A.
Gelcast zirconia-alumina composites
[DE91-007835] 11 p1676 N91-19239
BLELLOCH, PAUL A.
Structural representation for analysis of a controlled structure 14 p2229 N91-22326
BLENKINSOP, S. E.
Progress in high Tc superconductors 05 p0722 N91-14031
BLESS, R. C.
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
BLESS, ROBERT C.
Policy opportunities 24 p4120 N91-33029
BLESS, ROBERT R.
Time-domain finite elements in optimal control with application to launch-vehicle guidance
[NASA-CR-4376] 17 p2738 N91-25158
BLESS, ROBERT RICHARD, JR.
Time domain finite elements in optimal control with application to launch vehicle guidance 24 p3965 N91-32156
BLIEM, C. J.
Supercritical binary geothermal cycle experiments with mixed-hydrocarbon working fluids and a near-horizontal in-tube condenser
[DE91-001815] 05 p0683 N91-13798
Second law analysis of advanced power generation systems using variable temperature heat sources
[DE91-001818] 05 p0683 N91-13799
Advanced binary geothermal power plants: Limits of performance
[DE91-010065] 16 p2652 N91-24675
BLIND, BARBARA
Production of uniform and well-confined beams by nonlinear optics
[DE91-000210] 02 p0271 N91-11522
BLINN, THOMAS M.
Framework programmable platform for the advanced software development workstation. Integration mechanism design document
[NASA-CR-188592] 17 p2830 N91-25636
Automated IDEF3 and IDEF4 systems design specification document
[NASA-CR-188830] 24 p4082 N91-32803
IDEF3 and IDEF4 automation system requirements document and system environment models
[NASA-CR-188829] 24 p4082 N91-32804
BLISS, DONALD B.
Aircraft interior noise reduction by alternate resonance tuning
[NASA-CR-186879] 02 p0266 N91-11488
Free wake analysis of hover performance using a new influence coefficient method
[NASA-CR-4309] 11 p1641 N91-19050
A new methodology for free wake analysis using curved vortex elements
[NASA-CR-3958] 11 p1644 N91-19067
Aircraft interior noise reduction by alternate resonance tuning
[NASA-CR-185453] 18 p3058 N91-26889
BLISS, E. S.
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
Zonal deformable mirror for laser wavefront control
[DE91-017085] 24 p4023 N91-32453
BLITZ, L.
High resolution CO images of Seyfert Galaxies 05 p0738 N91-14121

Does CO trace H2 at high galactic latitude
06 p0900 N91-14973

BLOCH, JEAN JACQUES
Conference on Space Technology: Satellite Application Development
[REPT-911-440-103] 15 p2388 N91-23219

BLOCH, JEFFREY J.
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720

BLOCK, I. E.
SIAM conference on Dynamical Systems
[AD-A233112] 16 p2678 N91-24825

BLOCK, INGRID
Responses of Physarum polycephalum to varying light levels during fast clinostat rotation: A scientific preparation of an ESA biorack experiment during the IML-1 mission
11 p1759 N91-19676

BLOCKER, C. A.
Research in elementary particle physics
[DE91-015359] 21 p3577 N91-29892

BLOCKSOM, ROLAND
AN/AIC-22(V) Intercommunications Set (ICS) fiber optic link engineering analysis report
[AD-A225830] 04 p0583 N91-13249
Test report for photonic sensors used in electric field measurement of simulated electromagnetic pulses
[AD-A231597] 13 p2074 N91-21422

BLOEM, J.
Experimental set-up for a pulsed CO2 laser rangefinder with heterodyne detection
[FEL-90-A125] 08 p1156 N91-16365

BLOM, A. F.
Short crack growth under realistic flight loading: Model predictions and experimental results for Al 2024 and Al-Li 2090
02 p0223 N91-11246
Long time measurements of landing gear loads on SAAB SF-340 commuter aircraft
[FFA-TN-1990-53] 15 p2374 N91-23138
Long time measurements of landing gear loads on SAAB SF-340 commuter aircraft
20 p3284 N91-28157

BLOM, ANDERS F.
Damage tolerance analysis and testing of the fighter aircraft 37 Viggen
[FFA-TN-1990-35] 05 p0622 N91-13448
On the variation in crack-opening stresses at different locations in a three-dimensional body
[NASA-CR-187722] 05 p0678 N91-13768

BLOM, G. D.
Fault tolerant computing with transputers and OCCAM
[MEMO-INF-90-59] 10 p1571 N91-18641

BLOM, H. A. P.
Bayesian multi-sensor tracking for advanced air traffic control systems
02 p0177 N91-11003
Bayesian estimation for decision-directed stochastic control
[NLR-TP-90039-U] 14 p2321 N91-22818
Bayesian multi-sensor tracking for advanced air-traffic control systems
[NLR-MP-88056-U] 23 p3787 N91-31119

BLOM, HENK A. P.
Bayesian track initiation by time-reversion of trajectory models
[NLR-TP-89043-U] 22 p3748 N91-30890

BLOM, J. G.
An evaluation on the gradient-weighted moving-finite element method in one space dimension
[CWI-NM-R9006] 03 p0411 N91-12295
A note on the grid movement induced by MFE
[CWI-NM-R9019] 17 p2846 N91-25729

BLOMBERG, R. D.
Impact of new technology on operational interface: From design aims to flight evaluation and measurement
02 p0169 N91-10977

BLOMQUIST, STEVEN M.
Electron-beam-pinch experiment at Harry Diamond Laboratories: Providing for a high-dose-rate flash x ray facility for Transient Radiation Effects on Electronics (TREE) testing of piece parts
[AD-A239558] 23 p3799 N91-31193

BLOMQVIST, C. GUNNAR
Cardiovascular adjustments to gravitational stress
17 p2818 N91-25574

BLOMQVIST, GUNNAR
Cardiovascular group
01 p0101 N91-10587

BLOMSHIELD, F. S.
Stability testing of full scale tactical motors
16 p2577 N91-24281
Nonlinear stability testing and pulsing of full scale tactical motors
16 p2577 N91-24282

BLOOM, ARTHUR A.
Report of the panel on the land surface: Process of change, section 5
13 p2106 N91-21594

BLOOM, D. M.
Quantum device development
[AD-A225813] 04 p0587 N91-13280
Physical concepts and modeling procedures for picosecond and subpicosecond distributed circuits
[AD-A238592] 21 p3508 N91-29472

BLOOM, DAVID M.
Joint services electronics program
[AD-A227576] 08 p1134 N91-16237
Millimeter-wave characterization of GaAs devices and IC's
[AD-A237843] 21 p3506 N91-29461

BLOOM, E. D.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836

BLOOM, I.
Evaluation of novel solid electrolyte materials
[DE90-011164] 08 p1133 N91-16231
Sealant research for SOFC
[DE91-014012] 20 p3356 N91-28592

BLOOM, I. D.
Development of high performance sodium/metal chloride cells
[DE90-017668] 02 p0207 N91-11159
Thermodynamic behavior of high-Tc oxide systems via EMF and related measurements
[DE91-006590] 10 p1607 N91-18866

BLOOM, J.
Signal processing development
[AD-A226593] 05 p0725 N91-14052

BLOOM, RON M.
Ionospheric heating with oblique HF waves
10 p1549 N91-18521

BLOOM, THEODORE ATLAS
Rapid solidification of high-conductivity copper alloys
[NASA-CR-188614] 17 p2758 N91-25269

BLOOMFIELD, H. S.
Historical perspectives: The role of the NASA Lewis Research Center in the national space nuclear power programs
[NASA-TM-105196] 20 p3448 N91-29138

BLOOMFIELD, HARVEY S.
A reliability and mass perspective of SP-100 Stirling cycle lunar-base powerplant designs
[NASA-TM-103736] 18 p3005 N91-26592

BLOOMQUIST, D. D.
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942

BLOSS, WALTER L.
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors
06 p0795 N91-14394
Threshold voltage and I-V characteristics of AlGaAs/GaAs MODFETs
[AD-A228844] 08 p1135 N91-16248
The role of acceptor density on the high channel carrier density I-V characteristics of AlGaAs/GaAs MODFETs
[AD-A229953] 12 p1985 N91-20925
Subthreshold I-V characteristics of AlGaAs/GaAs MODFETs: The role of unintentional acceptors
[AD-A230110] 13 p2159 N91-21904
Neutron degradation of the I-V characteristics of AlGaAs/GaAs modulation-doped field effect transistors
[AD-A231696] 14 p2330 N91-22876

BLOWER, DAVID J.
Naval aviation selection test scores and female aviator performance
02 p0245 N91-11363
Analysis of Naval aviation selection test data with nonlinear models. Part 1: Parameter estimation
[AD-A238244] 21 p3550 N91-29728

BLOYD, CARY N.
Energy models and national energy policy
[DE90-017682] 02 p0233 N91-11300

BLUCK, RAYMOND M.
Process for the manufacture of seamless metal-clad fiber-reinforced organic matrix composite structures
[NASA-CASE-LAR-13562-2] 17 p2747 N91-25199

BLUE, G. D.
Electrochemical corrosion studies in low conductivity media
[AD-A230591] 12 p1870 N91-20277

BLUE, M. D.
LDEF active optical system components experiment
16 p2721 N91-25069

BLUESTEIN, H. B.
On the measurement of wind speeds in tornadoes with a portable CW/FM-CW Doppler radar
[DE91-008589] 14 p2291 N91-22671

BLUM, ASHER S.
ASAT monitoring project at LLNL
[DE91-013247] 21 p3570 N91-29850

BLUM, FRANK D.
Characterization of plasma polymerized hydrocarbons using CP-MAS carbon-13 NMR
[AD-A236947] 19 p3143 N91-27369

BLUM, J.
Coagulation of protoplanetary dust
10 p1620 N91-18936

BLUM, L.
Phase transitions at liquid solid interfaces: Pade approximant for adsorption isotherms and voltammograms
[AD-A232623] 15 p2399 N91-23285
Structure of electrochemically deposited copper on gold (III) alloy
[AD-A232345] 15 p2402 N91-23303
The direct correlation function of a mixture of hard ions in the mean spherical approximation
[AD-A232452] 15 p2505 N91-23879
The structure of electrochemical adsorbates
[AD-A232991] 16 p2598 N91-24395
Exact results for the structured liquid-solid interface
[AD-A232992] 16 p2598 N91-24396
A model for sequential first order phase transitions occurring in the underpotential deposition of metals
[AD-A235623] 19 p3134 N91-27316
Discreteness-of-solvent effects in Marcus equations in the mean spherical approximation
[AD-A237133] 21 p3594 N91-29996

BLUM, THOMAS C.
Simulation of powered-lift flows
02 p0152 N91-10886

BLUMBERG, ALAN F.
Data employed in the development of a three-dimensional, time-varying numerical hydrodynamic model of Chesapeake Bay
[AD-A231654] 14 p2292 N91-22673

BLUMBERG, MAURICE
Software-first life cycle final definition for the Software Technology for Adaptable, Reliable Systems (STARS)
[AD-A228483] 09 p1382 N91-17600
Sample tailoring of 2167A DIDS for software-first life cycle
[AD-A228487] 09 p1382 N91-17601

BLUMBERG, R.
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981

BLUME, H. J. C.
Description, characteristics and testing of the NASA airborne radar
16 p2554 N91-24156

BLUMEN, WILLIAM
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165

BLUMENAU, L.
Liquid-metal MHD power conversion for space electric systems
[SER-S/27] 15 p2390 N91-23231

BLUMENTHAL, PHILIP Z.
Rotating pressure measurement system using an on board calibration standard
[NASA-TM-103676] 11 p1707 N91-19401

BLUMENTHAL, RIK
Pulse induced nanlithography of graphite in H2O: A road to chemical linkages to the surface?
[AD-A237086] 21 p3486 N91-29338

BLUMENTHAL, WILLIAM R.
High-strain-rate compression and fracture of B4C-aluminum cermets
[DE90-016568] 01 p0030 N91-10176

BLUMSTEIN, A.
Approaches to the design of a novel macromolecular system with tailored optical properties
[AD-A226952] 06 p0812 N91-14485

BLUMSTEIN, ALEXANDRE
Comb-like polymers containing NLO active pendant groups
[AD-A226514] 04 p0509 N91-12829

BLYTHE, ALAN A.
Next generation of regional aircraft
03 p0306 N91-11710

BOAT, R. M.
Full-field Fabry-Perot interferometer
[DE91-014610] 21 p3518 N91-29540

BOATMAN, J. F.
Intercomparison of the chemical and meteorological data generated from aircraft and shipboard sampling during GCE/CASE/WATOX
[PB91-129098] 13 p2120 N91-21667

BOATNER, L. A.
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970

BOATZ, JERRY
Ab initio quantum chemistry study of formamide-formamidic acid tautomerization
[AD-A235886] 19 p3242 N91-27930

BOBB, LLOYD C.
Optical fiber refractometer
[AD-D014619] 09 p1398 N91-17696
Optical fiber refractometer launching light at a non-zero launch angle
[AD-D014841] 16 p2690 N91-24893
Optical fiber refractometer
[AD-D014845] 16 p2690 N91-24894
BOBBITT, P. J.
Results of correlations for transition location on a clean-up glove installed on an F-14 aircraft and design studies for a laminar glove for the X-29 aircraft accounting for spanwise pressure gradient
16 p2551 N91-24138
BOBER, LAWRENCE J.
Turbomachinery and combustor technology for small engines 12 p1840 N91-20113
BOBERG-ANS, JANNIK
Soft contact lens wear and aviation
17 p2826 N91-25613
BOBIN, G.
Reliability of microwave bipolar silicon transistors
24 p3992 N91-32305
BOBIN, L.
Measurement of air entrainment by a free jet using laser velocimetry and Raman scattering
[ISL-R-109/89] 01 p0003 N91-10017
Local mean mass volume measurement around a model with lateral jet in supersonic flow
[AAAF-NT-89-08] 23 p3784 N91-31102
BOBROVA, T. A.
Study of relativistic electrons at channeling in a beryllium thick crystals
[DE91-619859] 13 p2160 N91-21909
BOBULA, GEORGE A.
An update of engine system research at the Army Propulsion Directorate
[NASA-TM-103278] 03 p0313 N91-11752
BOCCHI, WILLIAM J., JR.
MMIC impact on airborne avionic systems
07 p0942 N91-15166
BOCHENKOV, A. A.
Pharmacological correction of functional condition of Army Air Force flyers in hot climate with asparkam
18 p3022 N91-26684
BOCHICCHIO, R.
Geophysical modeling of the static water level
[DE91-011796] 17 p2801 N91-25501
BOCHINSKI, DAVID P.
Dual demodulating circuit tracer
[AD-D014941] 22 p3668 N91-30423
BOCHSLER, DANIEL C.
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Final user's guide
[NASA-CR-187242] 04 p0489 N91-12715
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary test plan
[NASA-CR-187243] 04 p0489 N91-12716
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary ascent knowledge requirements
[NASA-CR-187244] 04 p0489 N91-12717
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Test report
[NASA-CR-187245] 04 p0489 N91-12718
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary user's guide
[NASA-CR-187246] 04 p0489 N91-12719
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: ONAV entry expert system code
[NASA-CR-187248] 04 p0489 N91-12720
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: ONAV entry knowledge requirements specification update
[NASA-CR-187241] 09 p1293 N91-17106
BOCK, K.-W.
A semi-empirical prediction method for missile aerodynamics 06 p0773 N91-14288
BOCK, R. D.
Full-information item bi-factor analysis
[AD-A229346] 23 p3900 N91-31771
BOCK, R. DARRELL
Approximating multivariate normal orthant probabilities
[AD-A229129] 09 p1393 N91-17665
BOCK, YEHUDA
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591
BOCKELEE-MORVAN, D.
Observations of parent molecules in comets P/Brorsen-Metcalf (1989o), Austin (1989c1) and Levy (1990c) at millimetre wavelengths: HCN, H2S, H2CO and CH3OH 10 p1621 N91-18944
OH radio observations of comets P/Brorsen-Metcalf (1989o), Okazaki-Levy-Rudenko (1989r), Aarseth-Brewington (1989a1), and Austin (1989c1) at the Nancay radio telescope 12 p2004 N91-21028
Millimetre observations of comets P/Brorsen-Metcalf (1989o) and Austin (1989c1) with the IRAM 30-m radio telescope 12 p2004 N91-21029
BOCKHEIM, JAMES G.
Late Wisconsin and early holocene glacial history, inner Ross Embayment, Antarctica 18 p3002 N91-26577
BOCKMAN, R. S.
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859
BOCKMAN, RICHARD
Gallium as a unique anti-resorptive agent in bone: Preclinical studies on its mechanisms of action
[DE90-010650] 08 p1190 N91-16542
BOCKRIS, J. OM.
Electrochemical incineration of wastes
[NASA-CR-186317] 03 p0387 N91-12156
BOCZAR, BRUCE P.
Electro-optic line narrowing of optical parametric oscillators
[AD-D014944] 21 p3583 N91-29934
BODDULURI, RADHIKA MOHAN CHOUDARY
Design and planned movement of multi-degree of freedom spatial mechanisms 16 p2634 N91-24579
BODECHTEL, J.
Applicability of radar data for geoscientific purposes and expected improvements by use of multifrequency and multipolarization data 07 p0991 N91-15440
BODEK, A.
Study of nuclear effects in the deuteron and extraction of neutron to proton stucture function ratio
[DE91-015484] 21 p3574 N91-29873
BODEN, A.
Total dose study on LS-, ALS, and F-technology integrated circuits 24 p3999 N91-32354
Irradiation tests and radiation hardness prediction considerations on electronic components for space application 24 p3999 N91-32355
BODEN, THOMAS A.
TRENDS '90: A compendium of data on global change
[DE91-000587] 07 p1026 N91-15632
BODENHEIMER, P.
Star formation in proto dwarf galaxies
05 p0757 N91-14212
BODENHEIMER, PETER H.
Numerical two-dimensional calculations of the formation of the solar nebula 14 p2345 N91-22962
BODI, ROBERT F.
Test and evaluation of load converter topologies used in the Space Station Freedom Power Management and distribution DC test bed
[NASA-TM-105217] 22 p3642 N91-30267
BODLAENDER, HANS L.
The pathwidth and treewidth of cographs
[RUU-CS-90-7] 04 p0575 N91-13199
Approximating treewidth, pathwidth, and minimum elimination tree height
[RUU-CS-91-01] 23 p3911 N91-31836
The complexity of coloring games on perfect graphs
[RUU-CS-91-03] 23 p3911 N91-31838
On disjoint cycles
[RUU-CS-90-29] 23 p3920 N91-31897
BODO, G.
A model for one-sided extragalactic jets
06 p0922 N91-15097
Features of optokinetic, optooculomotor and vestibulooculomotor responses in weightlessness
17 p2822 N91-25592
Vestibular reactions and intersensory interactions in weightlessness: Results of Optokinez experiment
18 p3025 N91-26698
BODONYI, R. J.
Boundary-layer receptivity due to a wall suction and control of Tollmien-Schlichting waves
[NASA-CR-182103] 01 p0002 N91-10009
BODROV, V. A.
Possibilities of using flight simulators in dynamic medical observation of flight crew 22 p3716 N91-30684
BODT, BARRY A.
Randomization procedures applied to analysis of ballistic data
[AD-A238389] 21 p3603 N91-30050
BOE, B. A.
Federal-state cooperative program in atmospheric modification research, 1988
[PB91-141937] 17 p2812 N91-25541
BOE, CHRISTIAN
Magnetic measurements with fluxgate magnetometer in rocket flight
[DRI-4-90] 08 p1104 N91-16061
BOECK, WILLIAM L.
Lightning observations from space shuttle
10 p1627 N91-18971
Lightning to the upper atmosphere: A vertical light pulse from the top of a thunderstorm as seen by a payload bay TV camera of the space shuttle
24 p4067 N91-32720
BOEDEKER, L. R.
Investigation of particulate formation during diesel spray combustion
[DE90-008282] 21 p3472 N91-29255
BOEHM, CONRAD
Low resolution ultraviolet spectra of Herbig Ae-Be stars 09 p1433 N91-17893
BOEHM, FRANZ
General Monte Carlo reliability simulation code including common mode failures and HARP fault/error-handling
[NASA-CR-187793] 09 p1349 N91-17409
BOEHM, H.-D.
Requirements of an HMS/D for a night-flying helicopter
[MBB-UD-0570-90-PUB] 02 p0249 N91-11383
BOEHM, K. H.
Herbig-Haro objects 09 p1429 N91-17864
The ultraviolet spectrum of HH 24A and its relation to optical spectra
[NASA-CR-188649] 19 p3264 N91-28051
BOEHM, M.
Atlas of air quality and deposition in or near forests of the Western United States
[PB91-106229] 09 p1359 N91-17466
BOEHM, T.
Regional oxidant model user's guide. Part 1: The ROM preprocessors
[PB91-171926] 20 p3369 N91-28665
Regional oxidant model user's guide. Part 2: The ROM processor network
[PB91-171934] 20 p3369 N91-28666
BOEHME, D. R.
Characterization of iridium coated rhenium used in high-temperature, radiation-cooled rocket thrusters
16 p2574 N91-24267
BOEHMER, C.
The 21st century propulsion 14 p2201 N91-22155
BOEHNISCH, HELMUT
Type specific dynamic measurements on wind-power plant at the Schnittlingen test site (Fed. Republic of Germany)
[ESA-TT-1174] 22 p3699 N91-30598
BOEKE, S. G.
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115
BOEMAN, R. G.
Interlaminar strains at the free-edge of a hole for thick composites in compression
[DE91-008883] 15 p2444 N91-23535
BOEMAN, RAYMOND G.
Interlaminar deformations on the cylindrical surface of a hole in laminated composites by moire interferometry
[DE91-015922] 23 p3807 N91-31238
Interlaminar deformations on the cylindrical surface of a hole in laminated composites: An experimental study
24 p3969 N91-32172
BOER, L. C.
A normative database for, and analysis of, the dual task of the TASKOMAT
[IZF-1990-A-11] 08 p1242 N91-16846
The selective listening task as a test for pilots and air traffic controllers
[IZF-1990-A-18] 10 p1564 N91-18601
BOER, M.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
BOER, S.
Remote sensing for marine activities
[BCRS-89-41] 02 p0228 N91-11273
Remote sensing for marine activities: Appendices
[BCRS-89-41-APP] 02 p0228 N91-11274
BOERCHER, D. B.
Plasma transport in a new cathodic arc ion source, theory and experiment
[DE91-011511] 20 p3416 N91-28944
BOERCKER, D. B.
Simulation of the growth of Mo/Si multilayers
[DE91-015679] 21 p3510 N91-29486
BOERIO, F. J.
Characterization of interphases between PMDA/4-BDAF polyimides and silver substrates using surface-enhanced Raman scattering and reflection-absorption infrared spectroscopy
[AD-A233531] 16 p2598 N91-24400
Characterization of interphases between PMDA/4-BDAF polyimides and silver and graphite substrates using x ray photoelectron spectroscopy
[AD-A235567] 19 p3138 N91-27337

BOERNER, W.-M.
Observations of ELF signatures arising from space vehicle disturbances of the ionosphere
[AD-A236563] 19 p3152 N91-27423
BOERNGEN, F.
New data on the peculiar galaxy MRK 273
08 p1251 N91-16887
BOERS, REINOUT
Thermodynamic structure of the stratocumulus-capped boundary layer on 5 July 1987 01 p0088 N91-10516
ER-2 lidar measurements of stratocumulus cloud top structure on July 14, 1987 01 p0089 N91-10523
Comparison and calibration of NCAR electra instruments: July 5 and 7, 1987
01 p0091 N91-10532
Thermodynamic structure of the stratocumulus-capped boundary layer on 7 July, 1987
01 p0092 N91-10533
BOERSMA, WILLEM HEIN
Shear thickening of concentrated dispersions
[ETN-91-98477] 08 p1146 N91-16308
BOERSTOEL, J. W.
Development and validation of characteristic boundary conditions for cell-centered Euler flow calculations with a shock-free airfoil
[NLR-TP-89360-U] 23 p3781 N91-31081
Design and testing of a multiblock grid-generation procedure for aircraft design and research
[NLR-TP-89146-U] 23 p3789 N91-31131
BOESIGER, EDWARD A.
Spin bearing retainer design optimization
16 p2641 N91-24615
BOETTGER, J. C.
New multiphase equation of state for polycrystalline quartz
[DE91-001048] 06 p0813 N91-14490
SESAME equation of state number 7740: Polycarbonate
[DE91-013970] 20 p3329 N91-28436
BOEZER, GORDON L.
Technology transfer in a changing national security environment
[AD-A232458] 15 p2526 N91-24000
BOFARD, DAVID G.
The physics of turbulent boundary layer structures and effects due to manipulation
[AD-A225834] 04 p0522 N91-12905
BOGACZ, S. A.
Microwave instability at transition: Stability diagram approach
[DE91-013202] 20 p3404 N91-28867
BOGDANOFF, J. L.
Reaction rate engineering models of fatigue crack growth
[AD-A236975] 19 p3181 N91-27590
BOGETTI, TRAVIS A.
Cure simulation of thick thermosetting composites
[AD-A224885] 03 p0335 N91-11878
BOGETTI, TRAVIS ANTHONY
Process-induced stress and deformation in thick-section thermosetting composites 04 p0496 N91-12755
BOGGASCH, E.
An electron beam injector for pulse compression experiments
[DE91-005744] 09 p1398 N91-17694
BOGGESS, ALBERT
UV-optical from space 24 p4119 N91-33021
BOGGESS, N. W.
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
BOGGS, DONALD REESE
Ultraviolet gas absorption and dust extinction toward M8 and the outer galactic disk 15 p2530 N91-24018
BOGGS, P. T.
Interior-point method for linear and quadratic programming problems
[PB91-187815] 19 p3231 N91-27865
Convergence properties of a class of Rank-Two updates
[PB91-187799] 22 p3744 N91-30863
BOGGS, THOMAS L.
Hazard studies for solid propellant rocket motors
[AGARD-AG-316] 05 p0630 N91-13488
BOGIN, ALLON
CHAPS boosts the recovery of hydrophobic membrane proteins from various chromatography media
14 p2297 N91-22696
BOGOMOLOV, V. V.
Medical results of the fourth prime expedition on the orbital station Mir 11 p1742 N91-19576
Review of primary medical results of year-long flight on Mir station 18 p2933 N91-26178
Survey of the principal results of medical research in the flight program of the second main expedition aboard the Mir orbiting complex 18 p3022 N91-26686
BOGRAD, S. J.
Sea level and bottom pressure measurements in the Northern Gulf of Alaska
[PB91-184135] 21 p3546 N91-29705
BOGREN, JONAS
Spectrum fatigue testing: A literature survey
[FFA-TN-1990-40] 05 p0678 N91-13772
BOHANNAN, B.
Properties of the central star of NGC 6826 (03f)
09 p1439 N91-17933
BOHL, R. J.
A review of the Los Alamos effort in the development of nuclear rocket propulsion
[DE91-016036] 23 p3803 N91-31211
BOHL, RICHARD J.
The behavior of fission products during nuclear rocket reactor tests
[DE91-001956] 05 p0630 N91-13490
BOHL, W. R.
AFDM: An Advanced Fluid-Dynamics Model. Volume 1: Scope, approach, and summary
[DE90-016723] 01 p0041 N91-10239
AFDM: An Advanced Fluid-Dynamics Model. Volume 4: The AFDM heat- and mass-transfer solution algorithm
[DE90-017535] 01 p0041 N91-10240
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017536] 01 p0041 N91-10241
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017537] 01 p0041 N91-10242
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017539] 01 p0041 N91-10244
BOHLIN, R. C.
The ultraviolet atlas of quasar and Blazar spectra
09 p1444 N91-17961
BOHM, A. P. W.
Developing dataflow algorithms
[DE91-016300] 23 p3909 N91-31818
BOHM, M.
Dynamic trapping of electrons in space plasmas
[TRITA-EPP-89-07] 02 p0272 N91-11528
Potential drops supported by ion density cavities in the dynamic response of plasma diode to an applied field
[TRITA-EPP-90-03] 02 p0273 N91-11531
The dynamic response of an inhomogeneous plasma diode to an applied electric field
[TRITA-EPP-90-05] 22 p3757 N91-30941
Dynamic trapping of electrons in the Porcupine ionospheric ion beam experiment
[TRITA-EPP-90-06] 22 p3757 N91-30942
An extension of the Boltzmann relation to collisionless magnetized plasmas
[TRITA-EPP-90-08] 22 p3757 N91-30944
BOHME, D. K.
Formation of C10H8(+) from the benzene radical cation: A case for the growth of polycyclic aromatic hydrocarbon ions by Ion/Molecule reactions in the gas phase?
[AD-A235574] 19 p3138 N91-27338
BOHME, DIETHARD K.
Gas-phase formation of silicon carbides, oxides, and sulphides from atomic silicon ions
06 p0908 N91-15014
BOHN, C. L.
Experimental results in superconducting niobium resonators for high-brightness ion beam acceleration
[DE91-004478] 06 p0883 N91-14882
Application of RF superconductivity to high-brightness ion-beam accelerators
[DE91-006481] 09 p1398 N91-17695
Measurements of the RF surface resistance of high-Tc superconductors
[DE91-006554] 10 p1605 N91-18857
BOICE, D. C.
Modeling the coma of 2060 Chiron
17 p2892 N91-25986
BOICE, DAN C.
A model of multigeneration neutrals in cometary comae 12 p2006 N91-21043
BOISSEVAIN, J. G.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
BOITET, C.
On a phonetic and structural encoding of Chinese characters in Chinese texts
[RR-835-I] 15 p2524 N91-23989
BOIVIN, M.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842
BOJANCZYK, ADAM W.
An accurate product SVD (singular value decomposition) algorithm
[DE91-004448] 06 p0862 N91-14765
BOKHARI, SHAHID H.
Complete exchange on the iPSC-860
[NASA-CR-187498] 11 p1772 N91-19715
Multiphase complete exchange on a circuit switched hypercube
[NASA-CR-187499] 11 p1772 N91-19716
BOKHOVE, H.
Investigation of a thermal infrared detector array
[BCRS-90-20] 14 p2268 N91-22547
BOKOR, PETER C.
The behavior of fission products during nuclear rocket reactor tests
[DE91-001956] 05 p0630 N91-13490
BOL, J. C. P.
Study system concept for a pelotons procedure trainer (PEP-trainer) for the weapon systems YPR-PRAT, YPR-25 mm (EWS) and Leopard 1-5
[FEL-90-A084] 05 p0695 N91-13871
BOL, ROLAND N.
An analysis of loop checking mechanisms for logic programs
[CWI-CS-R8942] 03 p0403 N91-12242
Generalizing completeness results for loop checks
[CWI-CS-R9025] 10 p1573 N91-18652
Towards more efficient loop checks
[CWI-CS-R9026] 10 p1573 N91-18653
The meaning of negative premises in transition system specifications
[CWI-CS-R9054] 17 p2834 N91-25661
Loop checking and negation
[CWI-CS-R9075] 17 p2836 N91-25674
BOLCH, WESLEY E.
Considerations of beta and electron transport in internal dose calculations
[DE91-006251] 10 p1563 N91-18598
BOLDEN, WILLIAM
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986
[NASA-CR-187589] 19 p3203 N91-27702
BOLDMAN, D. R.
Evaluation of panel code predictions with experimental results of inlet performance for a 17-inch ducted prop/fan simulator operating at Mach 0.2
[NASA-TM-104428] 17 p2728 N91-25106
BOLEF, L.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
BOLES, MICHAEL A.
Theoretical evaluation of engine auxiliary inlet design for supersonic V/STOL aircraft
[NASA-CR-186610] 05 p0621 N91-13443
Theoretical evaluation of engine auxiliary inlet design for supersonic V/STOL aircraft
[NASA-CR-187098] 16 p2549 N91-24123
BOLIA, STEPHEN
Subjective responses to positive pressure breathing under sustained high-G using the combat edge system
[AD-A230019] 12 p1928 N91-20610
BOLLAG, J.-M.
Comparison of the activity of subsurface and surface microorganisms and their anaerobic transformation of heterocyclic compounds
[DE91-008839] 13 p2126 N91-21703
BOLLE, G.
Development of a digital correlator to measure the semi-elastic scattering of light
[NOTA-INTERNA-955] 15 p2508 N91-23895
BOLLEN, W. MICHAEL
The DIMEX experiment
[AD-A229080] 09 p1406 N91-17738
BOLLING, COREY
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test plan
[DOT/FAA/CT-TN90/41] 15 p2363 N91-23075
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test procedures
[DOT/FAA/CT-TN90/63] 17 p2727 N91-25100
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test report
[DOT/FAA/CT-TN90/27] 17 p2727 N91-25101
BOLLINGER, J. J.
Trapped-ion frequency standards
17 p2851 N91-25760
BOLLINGER, L.
Potential health risks from postulated accidents involving the Pu-238 RTG (Radioisotope Thermoelectric Generator) on the Ulysses solar exploration mission
[DE91-007142] 11 p1796 N91-19857
BOLMARO, R. E.
Texture development in Cu-W composites
[DE91-013388] 22 p3643 N91-30273

BOLOTIN, GARY S.
Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] 06 p0863 N91-14772
BOLOURCHI, FARHAD
Robot trajectory control with a model reference adaptive control system using tap delay filters
02 p0218 N91-11217
BOLSAITIS, P. P.
The measurement of single particle temperature in plasma sprays
[DE91-006135] 10 p1602 N91-18834
BOLSTAD, PAUL VICTOR
The integration of remote sensing, geographic information system, and expert system technologies for landcover classification 15 p2481 N91-23733
BOLSTED, J.
Proof-of-concept zinc/bromine electric vehicle battery
[DE91-011767] 18 p2981 N91-26463
BOLT, H. H.
Modeling of runaway electron damage for the design of tokamak plasma facing components
[DE90-008237] 09 p1399 N91-17704
BOLTON, H., JR.
Field calibration of soil-core microcosms for evaluating fate and effects of genetically engineered microorganisms in terrestrial ecosystems
[DE91-011258] 17 p2807 N91-25518
BOLTON, P.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
BOLTON, P. R.
Ion yields from strong optical field ionization experiments using 100 femtosecond laser pulses
[DE91-011200] 17 p2781 N91-25389
BOLTON, R. D.
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
BOLZ, J.
Status of ESA's composites design handbook for space structure applications 03 p0330 N91-11845
BOMAN, PER OLOF
Damage tolerance analysis and testing of the fighter aircraft 37 Viggen
[FFA-TN-1990-35] 05 p0622 N91-13448
BOMMARITO, MARK
In situ studies of potential dependent structural and distributional changes at electrochemical interfaces with x rays
[AD-A226844] 08 p1110 N91-16098
BON, DAVID R.
Pneumatic launcher
[AD-D014658] 11 p1654 N91-19116
BONABIAN, SAEED
Internal flow analysis with a predictive model for droplet size distribution 03 p0364 N91-12036
BONACUSE, PETER J.
Axial-torsional fatigue: A study of tubular specimen thickness effects
[NASA-TM-103637] 06 p0838 N91-14632
BONADONNA, MICHAEL F.
A search for episodic increases in upper atmospheric water vapor as evidence of an extraterrestrial source
[AD-A231598] 13 p2118 N91-21660
BONAFE, J. L.
Airbus windshear warning and guidance system
03 p0306 N91-11704
BONANNO, R. E.
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
BONATTI, C. A.
Aircraft control system design, synthesis, analysis, and simulation tools at Aermacchi 07 p1044 N91-15729
BONCELET, CHARLES G.
Highball: A high speed, reserved-access, wide area network
[NASA-CR-188070] 12 p1964 N91-20804
BOND, THOMAS H.
A review of ice accretion data from a model rotor icing test and comparison with theory
[NASA-TM-103712] 05 p0617 N91-13421
Results of a sub-scale model rotor icing test
[NASA-TM-103709] 06 p0777 N91-14309
Advanced ice protection systems test in the NASA Lewis icing research tunnel
[NASA-TM-103757] 15 p2382 N91-23183
Model rotor icing tests in the NASA Lewis icing research tunnel
[NASA-TM-104351] 15 p2382 N91-23184
BOND, WIE
Experimental demonstration of a classical approach for flexible space structure control: NASA CSI testbeds
[NASA-CR-188724] 21 p3464 N91-29212
BONDARCHUK, YA. M.
He-Ne laser emitting five lines simultaneously
11 p1788 N91-19813
BONDAREVA, O. N.
Extensive coverings and exact core bounds
[MEMO-915] 23 p3921 N91-31907
BONDARUK, JANE
Hardware versus manpower compatibility methodology. Volume 1: Overview and manager's guide
[AD-A225122] 03 p0397 N91-12208
BONDE-PETERSEN, FLEMMING
Fluid shifts and regulation of plasma volume in humans during 12 hours of head-out water immersion
11 p1746 N91-19602
Influence on natriuresis of prolonged (12 h) water immersion on central hemodynamics and endocrine elements in humans 11 p1748 N91-19612
BONDIOU, A.
VHF discharges in storm cells producing microbursts
24 p4049 N91-32620
BONGERS, BERND
Thermal insulation of a cryogenic tank for a space telescope using a pretensioned suspension of Fiber Reinforced Composite (FRC)
[MBB-UD-0571-90-PUB] 11 p1817 N91-19981
BONGERS, PETER M. M.
DUWECS reference guide V1.0: Delft University wind energy converter simulation program
[MEMT-5] 02 p0232 N91-11294
An integrated dynamic model of a flexible wind turbine
[MEMT-6] 03 p0386 N91-12152
BONHAUS, DARYL L.
Relative efficiency and accuracy of two Navier-Stokes codes for simulating attached transonic flow over wings
[NASA-TP-3061] 09 p1331 N91-17310
BONIFACIO, R.
Generation of XUV light by resonant frequency tripling in a two-wiggler FEL amplifier
[DE90-012120] 08 p1153 N91-16349
BONIFAZI, P.
Fast estimation of the variance of a narrowband process
[IFSI-90-16] 01 p0035 N91-10209
Cryostat for the gravitational antenna ALTAIR
[IFSI-90-3] 05 p0651 N91-13616
BONIN, KEITH D.
Technique for determining the static polarizabilities of refractory metal atoms
[DE90-017088] 08 p1221 N91-16724
BONK, J. J.
Impacts of a nominal nuclear electromagnetic pulse on electric power systems
[DE91-012991] 21 p3497 N91-29401
BONK, ROBERT B.
Methods to determine the compatibility and degradation of organic materials
[AD-A237940] 21 p3468 N91-29234
BONN, R. H.
Unique Signal Override Plug (USOP) electromagnetic test report
[DE91-004996] 11 p1694 N91-19330
BONNELL, D. W.
Thermodynamic and kinetic stability of refractory materials at ultra-high temperatures
[AD-A235490] 19 p3133 N91-27314
BONNEMASON, FRANCIS
Ruled and holographic gratings experiment (AO 138-5)
16 p2722 N91-25075
BONNER, B. E.
Nuclear structure at intermediate energies
[DE91-000678] 04 p0581 N91-13241
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
BONNER, E.
Aerodynamic preliminary analysis system 2. Part 1: Theory
[NASA-CR-182076] 15 p2364 N91-23080
BONNER, R.
Multiframe x ray images from a single meander stripline coated on a microchannel plate
[DE90-010741] 08 p1131 N91-16224
BONNET-BIDAUD, J. M.
Cataclysmic variables with anomalous UV emission line spectrum 09 p1440 N91-17939
BONNET, J. P.
Laser Fourier densitometry and laser induced photochemical anemometry in supersonic flow
[AAAF-NT-89-09] 23 p3785 N91-31103
Development of an infrared Laser Fourier Densitometer (LFD) and first wind tunnel tests
[PMI-2335] 23 p3799 N91-31189
BONNET, R. M.
ESA's Horizon 2000 programme
09 p1431 N91-17882
BONNETT, PAUL
Applications of liquid crystals in aerodynamic testing
14 p2186 N91-22072
BONNIE, RONALD JOHANNES MARIA
Pulse evolution in multi-atmosphere CO2 lasers
[ETN-90-97765] 02 p0216 N91-11210
BONNY, PH.
C-rich micrometeorites on the early Earth and icy planetary bodies 10 p1622 N91-18947
BONSE, U.
Nondestructive imaging of materials microstructure using x ray tomographic microscopy
[DE91-008505] 13 p2099 N91-21554
BONSI, C. K.
Effect of biweekly shoot tip harvests on the growth and yield of Georgia Jet sweet potato grown hydroponically
19 p3266 N91-28065
Effect of channel size on sweet potato storage root enlargement in the Tuskegee University hydroponic nutrient film system 19 p3266 N91-28066
Sweet potato for closed ecological life support systems using the nutrient film technique
23 p3902 N91-31782
BONTEKOE, TJ. R.
Image construction from the IRAS survey and data fusion
[NASA-CR-187640] 04 p0608 N91-13381
BONTEKOE, TJ. ROMKE
Image reconstruction of IRAS survey scans
[NASA-CR-187328] 02 p0286 N91-11606
BOOGERS, J. A. M.
Thermal shock and oxidation resistance of ceramic coatings
[NLR-TP-89085-U] 22 p3654 N91-30339
BOOK, PATRICIA O.
Sliding wear of self-mated Al2O3-SiC whisker reinforced composites at 23-1200 C
[NASA-TM-104490] 19 p3117 N91-27221
BOOK, W.
Experimental investigations of the effects of cutting angle on chattering of a flexible manipulator
22 p3687 N91-30529
BOOK, WAYNE J.
Manipulation strategies for massive space payloads
[NASA-CR-188722] 22 p3687 N91-30524
BOOKBINDER, J. A.
The intrinsic H I Lyman-alpha line profiles of late-type stars 09 p1437 N91-17920
BOOKER, J. M.
Comparison of four methods for aggregating judgments from multiple experts
[DE91-013522] 21 p3602 N91-30043
BOOKER, J. R.
Some recent applications of numerical methods to geotechnical analysis
[PB90-201229] 01 p0112 N91-10655
BOOKER, M. K.
Creep and creep-rupture behavior of Alloy 718
[DE91-007706] 15 p2401 N91-23298
BOOKER, ROBERT G.
Design of a stagnation heater for the rarefied gas wing tunnel
[AD-A230689] 12 p1846 N91-20145
BOOM, R. W.
Magnetic suspension and balance system advanced study, phase 2
[NASA-CR-4327] 05 p0625 N91-13463
BOOM, ROGER W.
Magnetic suspension and balance system advanced study, 1989 design 13 p2036 N91-21197
BOONSTRA, JOHANNES
Epidermal growth factor induced signal transduction in A431 cells is influenced by altered gravity conditions
11 p1750 N91-19623
BOOS, JOHN B.
Monolithic multichannel detector amplifier arrays and circuit
[AD-D014566] 06 p0820 N91-14528
BOOSKE, J.
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
BOOSKE, J. H.
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
BOOTH, R. S.
The Swedish-ESO Submillimeter Telescope (SEST)
13 p2175 N91-22008
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations
13 p2181 N91-22050

BOOTHE, ROBERT R.
Sensitivity time control loss
[AD-A229784] 12 p1884 N91-20358
BOOTHROYD, A. T.
High energy spin waves in iron measured by neutron scattering
[DE91-017868] 24 p4099 N91-32902
BOOZE, CHARLES F., JR.
Right bundle branch block as a risk factor for subsequent cardiac events
[AD-A226596] 04 p0553 N91-13065
BOPP, AL
XD(TM) reinforced beryllium-based composites
[AD-A233587] 16 p2590 N91-24355
BOPP, B.
Long and short timescale variability of magnetic activity on the BY Dra star BD+26 deg 730 09 p1440 N91-17941
BOPPE, CHARLES W.
Computational simulations for fighter and hypersonic vehicle inlet-forebody interactions 17 p2773 N91-25347
BOQUET, JEAN
Preliminary studies before defining a payload adapted to the primate model
[ETN-90-97581] 01 p0018 N91-10107
Preliminary studies before defining a payload adapted to the primate model 11 p1754 N91-19648
BOQUIST, WALLACE P.
DNA optical support program summary for 1989
[AD-A238397] 21 p3542 N91-29679
BORCHARDT, GARY C.
Transition space
[AD-A231404] 15 p2481 N91-23732
BORCHARDT, JOHN F.
Northern California coastal circulation study: Results of the pilot program: Executive summary
[PB90-261660] 09 p1369 N91-17523
Northern California coastal circulation study: Results of the pilot program
[PB90-261678] 09 p1369 N91-17524
BORCHERS, I. U.
Interior noise control program for the advanced commuter aircraft Dornier 328 and first results 03 p0307 N91-11717
BORCZ, R.
Establishing a software product assurance databank for software reliability design, development, and assessment 14 p2220 N91-22271
BORDAS, C.
Ultrafast laser techniques
[AD-A236688] 19 p3172 N91-27536
BORDE, I.
Simulation and analysis of high efficiency absorption systems for solar cooling, phase 2
[DE90-010964] 09 p1354 N91-17439
BORDENEUVE-GUIBE, JOEL
Adaptive predictive control: Application to thermal processes
[LAAS-90401] 12 p1967 N91-20828
BORDER, J. S.
An accuracy assessment of Magellan Very Long Baseline Interferometry (VLBI) 09 p1288 N91-17080
BORDES, NICOLE
Superconducting YBaCuO thin films by Cu-ion implantation
[DE91-004867] 07 p1074 N91-15909
BORDONI, F.
Generalized back-action evasion schemes for the detection of weak classical forces
[IFSI-90-19] 02 p0269 N91-11508
BORDONI, FRANCO
Instrumenting a room temperature gravitational radiation antenna for sub-Kelvin temperatures
[IFSI-90-20] 02 p0204 N91-11143
BOREIKO, R. T.
Far-infrared heterodyne technology 13 p2176 N91-22016
BORENSTAIN, S.
Fundamental limits to performance of quantum well infrared detectors 06 p0796 N91-14397
BORETTI, A. A.
Three-dimensional Euler time accurate simulations of fan rotor-stator interactions
[NASA-TM-102528] 16 p2549 N91-24124
BORG, I. Y.
California energy flow in 1989
[DE91-010012] 16 p2652 N91-24678
BORGES, GARY L.
In-situ surface x ray scattering measurements of electrochemically deposited bismuth on silver (III): Structure, compressibility, and comparison with ex-situ leed measurements
[AD-A232624] 15 p2505 N91-23880
Surface x ray scattering measurements of the substrate induced spatial modulation of an incommensurate adsorbed monolayer
[AD-A232625] 15 p2518 N91-23959
BORGES, MARIA BEATRIZ MENDES BATALHA VIEIR
DC-AC converter with high frequency resonant link
[PB91-177758] 19 p3161 N91-27480
BORGHESI, A.
Raman properties of various carbonaceous materials and their astrophysical implications 06 p0893 N91-14933
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
Infrared spectra of crystalline and glassy silicates and application to interstellar dust 06 p0904 N91-14994
Experimental evidence for amorphous carbon grains in comets 06 p0907 N91-15008
IR emission from circumstellar envelopes of C-rich stars 06 p0909 N91-15019
BORGIA, BRUNO
A calorimeter design for high energy PP colliders
[NOTA-INTERNA-965] 11 p1709 N91-19410
Electroweak interactions at LEP
[NOTA-INTERNA-962] 11 p1796 N91-19853
BORIAKOFF, VALENTIN
Feasibility study, software design, layout and simulation of a two-dimensional fast Fourier transform machine for use in optical array interferometry
[NASA-CR-186922] 05 p0698 N91-13885
BORIEK, ALADIN MOHAMED
Modeling of setting stresses in particle reinforced polymer composites using finite element analysis 17 p2745 N91-25189
BORILLO, MARIO
Role and interest of new technologies in data processing for space control centers 14 p2210 N91-22206
BORIO, U.
Airbreathing propulsion for transatmospheric flight 15 p2377 N91-23156
BORIS, JAY P.
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
BORIS, P.
Overview of beam conditioning
[AD-A226404] 04 p0581 N91-13236
BORIS, PAUL
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
BORISOV, V. F.
Interlock device
[AD-A225261] 03 p0360 N91-12016
BORJAS, RICARDO
EQCM studies of film growth, redox cycling, and charge trapping of n-doped and p-doped poly(thiophene)
[AD-A235603] 19 p3157 N91-27455
BORK, U.
Defective embryogenesis of Arabidopsis induced by cosmic HZE-particles 11 p1760 N91-19682
BORKOWSKI, KAZIMIERZ J.
Radiative thermal conduction fronts 05 p0747 N91-14162
BORLAND, R. E.
The optimum range of separations for antenna gain measurement by extrapolation
[NPL-DES-90] 12 p1889 N91-20386
BORLAND, THOMAS J.
Short-range forecasting using a one-dimensional planetary boundary layer model
[AD-A231704] 14 p2286 N91-22638
BORN, G. H.
A technique for optimal temperature estimation for modeling sunrise/sunset thermal snap disturbance torque 09 p1292 N91-17098
BORN, GEORGE
SALT orbit determination covariance analysis using GPS tracking
[AD-A237899] 22 p3627 N91-30180
BORNE, KIRK D.
Probing the tides in interacting galaxy pairs 08 p1258 N91-16932
BORNSCHEIN, R. L.
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859
BORNSTEIN, JONATHAN A.
The effect of sabot wheelbase and position on the launch dynamics of fin-stabilized kinetic energy ammunition
[AD-A234945] 18 p2922 N91-26118
BORODIN, A. I.
Laws of heat transfer in three-dimensional viscous shock layer of stream flowing past blunt bodies at some angles of attack and glide 11 p1786 N91-19801
BOROSKI, W. N.
Self-propelled in-tube shuttle and control system for automated measurements of magnetic field alignment
[DE90-008210] 08 p1147 N91-16316
BOROSON, HAROLD R.
The 1989 NASA-ASEE Summer Faculty Fellowship Program in Aeronautics and Research
[NASA-CR-188174] 17 p2877 N91-25914
BOROVSKI, R.
RELICT 2 project: Scientific program and structure 13 p2174 N91-21998
BOROVSKY, JOSEPH E.
Secondary-electron yield measurements from metals impacted by high-velocity ions, electrons, and molecules
[DE90-018023] 02 p0268 N91-11502
BORREGO, J. M.
The effect of process conditions on the performance of epitaxial InP solar cells 11 p1670 N91-19204
BORREL, J.
Application of new technologies in the design of the cockpit in future military transport aircraft 10 p1464 N91-18074
BORRI, M.
Time finite element methods for large rotational dynamics of multibody systems
[DE91-002336] 07 p1061 N91-15838
BORRIELLO, G.
Developmental tests for the CARINA reentry vehicle 07 p0951 N91-15220
BORRIONE, DOMINIQUE
Automatic formal verification of VHDL descriptions: A first prototype
[RR-823-I] 15 p2480 N91-23726
BORSI, M.
Comparison of solution of various Euler solvers and one Navier-Stokes solver for the flow about a sharp-edged cropped delta wing
[ETN-91-99508] 22 p3614 N91-30106
Vortical flow simulation by using structured and unstructured grids
[ETN-91-99509] 22 p3614 N91-30107
BORYSOW, J.
Detection of excited states by laser-induced fluorescence and analysis of energy transfer
[AD-A227296] 07 p1007 N91-15531
BORZA, KAREN
Global change and biodiversity loss: Some impediments to response 14 p2282 N91-22622
BORZILERI, C. V.
Pressure safety training
[DE91-015717] 24 p3981 N91-32238
BOS, JURJEN N. E.
Addition chain heuristics
[CWI-CS-R8945] 03 p0407 N91-12273
BOSCARELI, A.
The TIR project: A balloon telescope for the measurement of CBR anisotropies 13 p2180 N91-22041
BOSCH, J.
The LDEF ultra heavy cosmic ray experiment 16 p2709 N91-24994
BOSCH, R.
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946
BOSCHETTO, M.
Design landing loads evaluation by dynamic simulation of flexible aircraft 20 p3285 N91-28163
BOSCHITSCH, ALEXANDER HERMANN
The controlled retrieval of a tethered satellite 10 p1485 N91-18183
BOSCO, CARLA
Information extraction from visual displays and the event-related brain potential
[AD-A227063] 06 p0855 N91-14722
BOSCOLO-BOSCOLETTO, A.
Defect diffusion in ion implanted glasses
[DE91-016119] 23 p3819 N91-31302
BOSE, K.
Dehydration kinetics of talc at 1 bar 16 p2595 N91-24378
BOSE, KUNAL
Kinetics of volatile extraction from carbonaceous chondrites: Dehydration of talc 17 p2903 N91-26036
BOSLEY, D. L.
Free-electron lasers with very slow wiggler taper
[DE91-001139] 04 p0530 N91-12939
BOSLEY, DAVID L.
Nonlinear resonance
[DE90-010428] 08 p1151 N91-16341

BOSLEY, ROBERT W.
Advanced magnetic suspensions for vibration isolation and fast-attitude control of space-based generic pointing mounts 13 p2035 N91-21190
BOSLOOPER, E.
Representation of earthshine impact in the ERS-1 EM payload TB/TV-test 07 p0953 N91-15237
BOSLOUGH, M. B.
Thermochemistry of shock-induced exothermic reactions in selected porous mixtures
[DE90-016104] 01 p0031 N91-10183
Postshock spectral radiance measurements in nickel and nickel/aluminum powders
[DE91-014695] 21 p3480 N91-29302
NMR spectroscopy of experimentally shocked silicate minerals
[DE91-014897] 21 p3578 N91-29898
BOSMA, HANS
Conversion of resolution proofs into natural deduction proofs
[MEMO-INF-90-11] 03 p0405 N91-12259
BOSS, ALAN P.
Three-dimensional evolution of early solar nebula 14 p2345 N91-22963
BOSS, R. D.
Fractal-based image compression, 2
[AD-A226500] 04 p0565 N91-13136
Iterated transform image compression
[AD-A233655] 18 p3038 N91-26769
BOSSE, ELOI
Multichannel Doppler processing for an experimental low-angle tracking system
[AD-A228598] 09 p1322 N91-17262
BOSSERT, JAMES E.
Regional-scale flow in complex terrain: An observational and numerical investigation 20 p3372 N91-28680
BOSSI, J. A.
Personnel launch system autoland development study
[NASA-CR-187495] 10 p1473 N91-18116
BOSSI, JOSEPH A.
Integrated control-structure design
[NASA-CR-182020] 07 p0945 N91-15180
BOSSI, L. L. M.
Canadian Forces flight trial of individually molded fiberglass lumbar supports
[DCIEM-88-RR-12] 22 p3720 N91-30706
BOSSI, RICHARD H.
X ray computed tomography of composites
[AD-A227227] 07 p0969 N91-15322
X ray tomographic inspection of printed wiring assemblies and electrical components
[AD-A234748] 18 p2996 N91-26548
BOSSLER, ROBERT
Straddle design of spiral bevel and hypoid pinions and gears
[NASA-TM-103621] 06 p0833 N91-14602
BOSSY, L.
International reference ionosphere 1990
[NASA-TM-105055] 22 p3705 N91-30621
BOST, JOHN D.
Satellite control center for 2000 and beyond 14 p2210 N91-22207
BOSTAD, DALE A.
Aspects of machine translation in the United States Air Force 04 p0604 N91-13358
BOSTIC, MARIA T.
An analysis of three pultrusion models proposed for use in a pultrusion control system
[AD-A235600] 19 p3145 N91-27382
BOSTIC, SUSAN W.
Lanczos eigensolution method for high-performance computers
[NASA-TM-104108] 24 p4031 N91-32526
BOSTOW, DUWAYNE
Radio Frequency Interference (RFI) measurements made near the proposed Alaska OTH receiving site
[AD-A226922] 06 p0818 N91-14519
BOSZORMENYI, I.
Catalytic activity of model Pt/Al2O3 catalysts: The role of chlorine
[AD-A235946] 19 p3125 N91-27266
BOTHUN, GREG
Narrow band images of suspected cooling flow galaxies 05 p0748 N91-14168
BOTTCHER, C.
The theory of electron-ion collisions: The role of doubly excited states
[DE90-011078] 08 p1220 N91-16721
Spin effects in two-photon pair production
[DE91-006271] 10 p1592 N91-18779
Particle production through two-photon processes in relativistic heavy-ion colliders
[DE91-016221] 23 p3925 N91-31931
Spline methods for conservation equations
[DE91-017152] 24 p4093 N91-32867
Ultrarelativistic atomic collisions
[DE91-016768] 24 p4096 N91-32884
BOTTEGA, W. J.
The looped adhesive strip: An example of coplanar delamination interaction 01 p0051 N91-10306
BOTTERI, G. B.
Stress relaxation in bending of type AISI 304 stainless steel at 773K and 823K
[DE91-618657] 23 p3883 N91-31666
BOTTI, LUIZ CLAUDIO LIMA
Spectrum variability study of radio sources in the 22 to 43 GHz range
[INPE-5218-TDL/432] 22 p3778 N91-31071
BOTTO, R. E.
Quantitative MRI (Magnetic Resonance Imaging) measurement of binder distributions in green-state ceramics
[DE91-004418] 07 p1013 N91-15564
Three-dimensional nuclear magnetic resonance and x ray microtomographic imaging of composite materials
[DE91-006477] 10 p1493 N91-18220
Nuclear magnetic resonance imaging of green-state ceramics
[DE91-010750] 17 p2762 N91-25292
The 3-D NMR imaging: A chemical microscope for analysis of heterogeneous macromolecular networks
[DE91-015109] 21 p3491 N91-29375
BOTTONI, M.
Implementation of the flow-modulated skew-upwind difference scheme in the COMMIX-1C code: A first assessment
[DE91-011168] 18 p2986 N91-26489
BOTTS, CURT D.
Effects of specific heat ratio on a simulated chemical laser cavity flow
[AD-A230459] 12 p1904 N91-20473
BOTTS, MIKE
Advanced visualization techniques 24 p4058 N91-32669
BOTTURA, L.
Modelling of dual stability in a cable-in-conduit conductor
[DE91-000220] 04 p0590 N91-13298
BOUAJJANI, AHMED
Logics for the description of processes and their properties: Expressivity and decidability
[ETN-91-98200] 05 p0710 N91-13960
BOUAMAR, MOHAMED
Research and development involved in creating a quantitative EEG cartography wide band analysis system
[LAAS-91002] 15 p2474 N91-23705
BOUBANGA, ANTOINE
Identifying behavior characteristics using pressuremeter tests
[ETN-91-99917] 23 p3885 N91-31680
BOUCHARLAT, G.
Fourteen x fourteen CCD array for optical intersatellite link tracking
[CNES-CT/DRT/TIT/OE-88/144] 02 p0271 N91-11521
BOUCHE, V.
Experiments on Frank-Hertz setup
[NOTA-INTERNA-961] 15 p2505 N91-23876
BOUCHERIE, JOEL
Eureca 1 AMF 117 experiment: An analysis of thermal and solutal transfer during the crystal growth of CdTe by the THM process
[REPT-911-430-118] 15 p2516 N91-23947
Eureca 1 AMF 117 experience: Thermal and solutal transfer analysis for CdTe in tellurium during crystal growth by the THM method
[REPT-911-430-120] 15 p2517 N91-23948
BOUCHET, FRANCOIS R.
Application of the Ewald method to cosmological N-body simulations
[DE90-513789] 02 p0292 N91-11637
BOUCHILLON, C. W.
Numerical flow simulation in the slagging stage of an MHD coal combustor
[DE91-009352] 22 p3757 N91-30946
BOUDARD, A.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842
BOUDENOT, J. C.
Total dose effects on Charge Coupled Devices (CCD) reverse annealing phenomena 24 p3997 N91-32341
BOUGHAROUAT, NORA
Life sciences in ESA TRP activity 11 p1744 N91-19589
BOUHELIER, C.
Study of the time and effort signal in cutting operations
[CETIM-101580] 05 p0646 N91-13583
BOUISSET, P.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679
BOUKTHIR, M.
Satellite data utilization in ocean circulation models 15 p2453 N91-23593
BOULANGER, F.
The molecular spiral arms of NGC 6946 05 p0761 N91-14231
Small scale variations of abundances of transiently heated grains in molecular clouds 06 p0892 N91-14927
Submillimeter observations of interstellar dust 13 p2178 N91-22028
BOULANGER, FRANK
Study of the return-stroke phase of the gliding spark in ambient air
[ONERA-NT-1990-1] 02 p0241 N91-11345
BOULANGER, P.
Theory and computer simulation of the interactional neural network
[NRC-30269] 21 p3562 N91-29800
BOULANGER, PIERRE
Matching of complex 3-D surfaces using dynamic programming
[ERB-1022] 21 p3553 N91-29743
BOULAY, J. L.
LIDAR studies on microbursts 16 p2555 N91-24167
Current wave-form observed during lightning strikes on aircraft 24 p4046 N91-32603
Application of surface electrical discharges to the study of lightning strikes on aircraft 24 p4054 N91-32650
BOURAS, B.
Arbitrary blade section design based on viscous considerations 10 p1458 N91-18037
BOURASSA, R. J.
Atomic oxygen and ultraviolet radiation mission total exposures for LDEF experiments 16 p2713 N91-25016
BOURCIER, R. J.
Microstructures of cubic Al2O3 precipitates in oxygen-implanted aluminum
[DE91-000038] 02 p0198 N91-11111
Flow behavior of Ti-24Al-11Nb at high strain rates
[DE91-004506] 06 p0810 N91-14473
Considerations relating to pulsed-beam modification of materials
[DE91-006771] 11 p1807 N91-19922
BOURCIER, W. L.
Mechanistic interpretation of glass reaction: Input to kinetic model development
[DE91-010794] 17 p2762 N91-25294
BOURDILLON, L. A.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614
BOURELL, D. L.
Controlling fundamentals in high-energy high-rate pulsed power materials processing of powdered tungsten, titanium aluminides, and copper-graphite composites
[AD-A230900] 13 p2053 N91-21298
BOURES, G.
SIMMER 07 p0952 N91-15230
BOUREZ, J. P.
Special design and gauging of anemoclinometric sondes
[IMFL-90/03] 23 p3873 N91-31604
BOURGEAU-CHAVEZ, L. L.
ALP FOPEN site description and ground truth summary
[AD-A224857] 03 p0384 N91-12143
BOURGOIS, G.
OH radio observations of comets P/Brorsen-Metcalf (1989o), Okazaki-Levy-Rudenko (1989r), Aarseth-Brewington (1989a1), and Austin (1989c1) at the Nancay radio telescope 12 p2004 N91-21028
BOURKE, M. A. M.
Residual stress measurement using the pulsed neutron source at LANSCE
[DE91-013494] 20 p3362 N91-28624
Neutron diffraction determination of the residual stress redistribution in cracked autofrettaged tubing
[DE91-013688] 20 p3363 N91-28632
BOURNE, JOHN
Research on intelligent fault detection and repair advisory systems
[AD-A235267] 18 p2997 N91-26551
BOURNE, L. C.
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981
BOURNE, LYLE E., JR.
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance 3
[AD-A239574] 23 p3901 N91-31773

BOURQUE, R. F.
The Cascade inertial confinement fusion reactor concept
[DE91-013852] 20 p3420 N91-28966
BOURQUE, ROBERT F.
Pulsed plasmoid electric propulsion
14 p2200 N91-22151
BOURRIEAU, J.
Single event effects by protons on low Earth orbits: A problem for European manned space missions
24 p3998 N91-32349
BOURRIN, S.
Bone adaptation to real and simulated microgravity
11 p1753 N91-19643
BOURY, D.
Materials and material systems for combined cycle engines 15 p2381 N91-23178
BOUTEMY, J. C.
Fourteen x fourteen CCD array for optical intersatellite link tracking
[CNES-CT/DRT/TIT/OE-88/144]
02 p0271 N91-11521
BOUTIER, A.
Instrumentation under development for the ONERA F4 wind tunnel
[AAAF-NT-89-11] 23 p3798 N91-31187
Laser Velocimetry, volume 1
[VKI-1991-05-VOL-1] 23 p3875 N91-31614
Introduction to laser velocimeter techniques
23 p3875 N91-31615
Basic LDV1 component system
23 p3875 N91-31616
Advanced systems: Multicomponent LDV
23 p3876 N91-31619
Accuracy of laser velocimetry
23 p3876 N91-31622
Laser Velocimetry, volume 2
[VKI-1991-05-VOL-2] 23 p3876 N91-31625
Advanced and non-conventional optical schemes
23 p3876 N91-31626
BOUTON, F.
Surface mount technology on PCBs at Alcatel Espace
24 p3995 N91-32326
BOUWER, S. D.
Dynamic power spectral analysis of solar measurements from photospheric, chromospheric, and coronal sources
03 p0443 N91-12476
BOVEE, MATTHEW W.
Assessment of body weight standards in male and female Army recruits
[AD-A224586] 03 p0394 N91-12188
BOVERIE, B.
Statistical characterization of a mode-stirred chamber
[DE90-014860] 01 p0034 N91-10202
Mode-stirred chamber field statistics: Correlation widths
[DE91-016190] 24 p3989 N91-32289
BOWCOCK, PETER
Multi-dimensional tunnelling and complex momentum
[NASA-CR-188445] 16 p2685 N91-24868
Tunnelling from non-localised initial states
[NASA-CR-188444] 16 p2685 N91-24869
BOWDLE, D. A.
Atmospheric aerosol and Doppler lidar studies
24 p4057 N91-32666
BOWDLE, DAVID A.
GLObal Backscatter Experiment (GLOBE) Pacific survey mission 17 p2793 N91-25452
BOWELL, EDWARD
Chiron: Evidence for historic cometary activity
17 p2892 N91-25988
The 1990 MB: The first Mars Trojan
17 p2894 N91-25996
BOWEN, A. W.
Texture analysis of 2090-T8E41 aluminum-lithium alloy sheet: Annex 02 p0224 N91-11251
BOWEN, BRENT
Aviation safety enhancements through the international aircraft database research project
10 p1455 N91-18020
Women in the aerospace engineering faculty of higher education
[NIAR-91-22] 22 p3762 N91-30971
BOWEN, BRENT D.
The enhancement of air traffic control safety through pre-hire university based training programs
04 p0459 N91-12567
Airline quality rating
[NIAR-91-11] 14 p2190 N91-22098
Additional secondary certification in aerospace education for Kansas educators
16 p2543 N91-24089
Marketing for collegiate aviation education
[NIAR-91-18] 21 p3602 N91-30042
BOWEN, GEORGE
Preliminary interpretation of the Mg II variability of L2 Puppis 09 p1433 N91-17894
BOWEN, KENNETH
Northeast Artificial Intelligence Consortium (NAIC). Volume 11: Knowledge base maintenance
[AD-A234890] 18 p3047 N91-26825
BOWEN, S. L.
Symposium on the tropospheric chemistry of the Antarctic region: Pre-conference abstracts
[AD-A236274] 19 p3186 N91-27621
BOWEN, STUART W.
The NASA-ER2 meteorological measurement system: Instrumentaion, calibration and intercomparison results
14 p2289 N91-22658
Calibration of the ER-2 meteorological measurement system 17 p2793 N91-25453
Applications of the ER-2 meteorological measurement system 17 p2794 N91-25457
BOWER, A. J.
NICAM 728: Digital two-channel sound for terrestrial television
[BBC-RD-1990/6] 07 p0995 N91-15460
BOWER, A. P.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526
BOWER, ALLAN
Simulation of transient glide of a threading dislocation in an embedded strained expitaxial layer
[AD-A226965] 06 p0881 N91-14867
BOWER, GORDON H.
Acquiring generalizations to organize human databases
[AD-A230415] 12 p1997 N91-20995
BOWER, J.
Sleep logs: Measurement of individual and operational efficiency
[AD-A239774] 23 p3900 N91-31770
BOWER, JAMES M.
Methods in computational neuroscience
[AD-A231397] 14 p2297 N91-22698
BOWER, M.
Optimization and performance of Space Station Freedom solar cells 11 p1672 N91-19215
BOWER, MARK V.
Composite propellant technology research: Mechanical property characterization
[NASA-CR-187824] 22 p3655 N91-30343
BOWER, SAMUEL M.
Automatic information processing and high-performance skills: Applications to training, transfer, and retention
[AD-A235537] 19 p3218 N91-27789
BOWERS-IRONS, GAIL L.
Isolation, cloning and expression of the genes for microbial polyurethane degradation
[AD-A232108] 15 p2473 N91-23699
BOWERS, ALBION H.
Multiaxis thrust vectoring using axisymmetric nozzles and postexit vanes on an F/A-18 configuration vehicle
[NASA-TM-101741] 14 p2188 N91-22083
BOWERS, C. W.
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
BOWERS, D. A.
Temperature dependence of the thermal conductivity of carbon-carbon composites
[DE91-010133] 17 p2747 N91-25197
BOWERS, J.
The SCOS: A configurable infrastructure for the control of spacecraft using packets 14 p2208 N91-22194
BOWERS, K. L.
A fully Sinc-Galerkin method for Euler-Bernoulli beam models
[NASA-CR-187462] 05 p0709 N91-13952
Numerical recovery of material parameters in Euler-Bernoulli beam models
[NASA-CR-187516] 10 p1586 N91-18740
A fully Galerkin method for the recovery of stiffness and damping parameters in Euler-Bernoulli beam models
[NASA-CR-187517] 13 p2143 N91-21796
BOWERS, KENNETH L.
Sinc-Galerkin estimation of diffusivity in parabolic problems
[NASA-CR-187567] 16 p2679 N91-24833
BOWERS, R.
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
BOWERS, R. L.
Computational simulations of plasma flow switches and imploding loads
[DE91-014768] 21 p3509 N91-29480
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955
BOWERSOX, V. C.
Relationships between PAN and ozone at sites in eastern North America
[DE91-011728] 18 p3007 N91-26607
BOWLES, DAVID E.
The influence of time-dependent material behavior on the response of sandwich beams
[NASA-CR-188029] 14 p2274 N91-22577
BOWLES, DAVID EARL
Micromechanics analysis of space-simulated thermal deformations and stresses in continuous fiber-reinforced composites 07 p0968 N91-15313
BOWLES, E.
Urban air toxics monitoring program, 1989
[PB91-148262] 17 p2806 N91-25513
BOWLES, KENNETH J.
A study of void effects on the interlaminar shear strength of unidirectional graphite fiber reinforced composites
[NASA-TM-103267] 03 p0363 N91-12034
Relationship between voids and interlaminar shear strength of polymer matrix composites
[NASA-TM-103643] 05 p0631 N91-13495
ICAN sensitivity analysis
[NASA-TM-103667] 07 p0970 N91-15328
Effect of fiber reinforcements on thermo-oxidative stability and mechanical properties of polymer matrix composites
[NASA-TM-103648] 11 p1675 N91-19234
A comparison of fiber effects on polymer matrix composite oxidation
[NASA-TM-104416] 16 p2591 N91-24361
BOWLES, ROLAND L.
Airborne Wind Shear Detection and Warning Systems. Second Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10050-PT-1] 03 p0302 N91-11682
Investigation of airborne lidar for avoidance of windshear hazards 03 p0304 N91-11694
Airborne Wind Shear Detection and Warning Systems. Second Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10050-PT-2] 03 p0304 N91-11695
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10060-PT-2] 16 p2551 N91-24140
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10060-PT-1] 16 p2555 N91-24166
BOWLIN, LONNIE H.
Automatic Dependent Surveillance (ADS) Program summary 24 p3954 N91-32094
BOWLING, DONALD R.
Apparatus for determining microwave characteristics of superconductive materials using a resonant cavity and calibration waveguides
[AD-D014694] 11 p1806 N91-19918
BOWMAN, C. T.
Turbulent reacting flows and supersonic combustion
[AD-A236759] 19 p3128 N91-27280
BOWMAN, H. D., II
Data status and availability 11 p1730 N91-19515
BOWMAN, LYNN M.
A parametric shell analysis of the shuttle 51-L SRB AFT field joint
[NASA-TM-102748] 06 p0838 N91-14629
BOWMAN, R. C., JR.
Comparison of hydrogen diffusion in Ti2PdH(x) to the behavior for Ti2CuH(x) and Zr2PdH(x)
[DE91-002711] 08 p1235 N91-16808
BOWN, RODNEY L.
Review of Estelle and LOTOS with respect to critical computer applications
[NASA-CR-188596] 17 p2828 N91-25621
Non-developmental item computer systems and the malicious software threat
[NASA-CR-188595] 17 p2830 N91-25633
Software engineering ethics
[NASA-CR-188594] 17 p2830 N91-25634
Discrete mathematics, formal methods, the Z schema and the software life cycle
[NASA-CR-188593] 17 p2830 N91-25635
An overview of SAFENET and its implications for aerospace applications
[NASA-CR-188585] 17 p2831 N91-25640
BOWYER, C. STUART
UV-optical from space 24 p4119 N91-33021
BOWYER, JAMES R.
Construction and evaluation of a regenerable flouroimmunochemical-based fiber optic biosensor
[DE91-004886] 10 p1596 N91-18807
BOWYER, STUART
New measurements of the far ultraviolet scattering properties of interstellar dust 06 p0888 N91-14909

The extreme ultraviolet explorer
09 p1432 N91-17885

BOXMA, O. J.
Optimization of polling systems
[CWI-BS-R8932] 01 p0109 N91-10635
The M/G/1 queue with processor sharing and its relation to a feedback queue
[CWI-BS-R9006] 04 p0572 N91-13175
Efficient visit orders for polling systems
[CWI-BS-R9017] 10 p1589 N91-18759

BOY, GUY A.
Intelligent assistant systems: An artificial intelligence approach to detecting performance degradation and pilot incapacitation 08 p1194 N91-16564

BOYCE, JOEY B.
Application and use of spinal immobilization devices in zero-gravity flight 24 p4078 N91-32781
Venipuncture and intravenous infusion access during zero-gravity flight 24 p4079 N91-32788

BOYCE, LOLA
Probabilistic lifetime strength of aerospace materials via computational simulation
[NASA-CR-187178] 21 p3533 N91-29629

BOYCE, PETER B.
Status of the profession 24 p4121 N91-33031

BOYD, D. A.
Current collection by high voltage anodes in near ionospheric conditions 09 p1403 N91-17724

BOYD, D. M.
Materials property measurements
[DE91-005612] 10 p1537 N91-18459

BOYD, D. R.
Technology modernization assessment flexible automation
[DE91-005620] 11 p1778 N91-19751

BOYD, DAVID A.
PAH in the laboratory and interstellar space
06 p0893 N91-14936

BOYD, ERNEST J.
Mathematical modeling of the flow field and particle motion in a rotating bioreactor at unit gravity and microgravity 18 p3092 N91-27092

BOYD, IAIN D.
Pressure measurements in a low-density nozzle plume for code verification
[NASA-TM-105170] 21 p3467 N91-29228

BOYD, J.
A chopper driven 11.4-GHz traveling-wave RF generator
[DE91-013568] 20 p3339 N91-28489

BOYD, J. D.
Aircraft measurements in the Northeast Pacific, summer 1989
[AD-A225857] 04 p0542 N91-13006
Environmental conditions in the Gulf of Mexico during November-December
[AD-A229384] 22 p3708 N91-30638

BOYD, J. K.
Emittance measurement in a magnetic field
[DE91-011540] 17 p2860 N91-25813

BOYD, JANICE D.
Air deployed expendable probes in oceanographic research 17 p2793 N91-25454

BOYD, RICHARD V.
Continuous monitoring of the lunar or Martian subsurface using on-board pattern recognition and neural processing of Rover geophysical data 16 p2596 N91-24384

BOYD, RONALD D., SR.
Forced convection and flow boiling with and without enhancement devices for top-side-heated horizontal channels 19 p3274 N91-28113
Subcooled freon-11 flow boiling in top-heated finned coolant channels with and without a twisted tape
19 p3275 N91-28116

BOYD, STEPHEN
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
Linear controller design via infinite convex optimization
[AD-A233335] 16 p2621 N91-24510

BOYD, W. C.
Uprated OMS engine status-sea level testing results
16 p2572 N91-24256

BOYER, J. D.
Angular dependence of thin-film dielectric coating damage thresholds
[DE91-000237] 08 p1153 N91-16351

BOYER, J. H.
Bimanes and related heterocycles as laser dyes
[AD-A232335] 15 p2434 N91-23484

BOYER, NATHAN
Effects of metal contamination on hydroxylammonium nitrate-based liquid monopropellants
[AD-A229177] 09 p1320 N91-17248

BOYES, J. D.
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919

BOYLE, B. J.
The Berkeley search for distant supernovae to measure omega
[DE91-016418] 23 p3938 N91-32010

BOYLE, BRIAN
The Berkeley/Anglo-Australian Observatory high-redshift supernova search
[DE91-012348] 18 p3084 N91-27051

BOYLE, E. J.
A review of theories for flowing granular materials with applications to fluidized beds and solids transport
[DE91-013111] 20 p3343 N91-28514

BOYLE, EDWARD
The poet revealed: A future for human-centered design
[AD-A226648] 05 p0696 N91-13878

BOYLE, EDWARD S.
Design Evaluation for Personnel, Training, and Human factors (DEPTH)
[AD-A224757] 09 p1372 N91-17542

BOYLE, J. M.
Functional specifications for mathematical computations
[DE91-006002] 13 p2143 N91-21803

BOYLE, R. J.
Comparison of a quasi-3D analysis and experimental performance for three compact radial turbines
[NASA-TM-105155] 22 p3621 N91-30142

BOYLE, W. J. O.
Fibre optic anemometry using an optical delay cavity technique
[ETN-90-97966] 03 p0418 N91-12341

BOYNTON, J. E.
Stable isotope fractionation in photosynthesis: Analysis of autotrophic competence following transformation of the chloroplast genome of Chlamydomonas
[DE91-015792] 21 p3548 N91-29713

BOZACK, M. J.
SRB seawater corrosion project
[NASA-CR-184188] 22 p3640 N91-30260

BOZEMAN, RICHARD J., JR.
Vibration analyzer
[NASA-CASE-MSC-21408-1] 06 p0833 N91-14607

BOZEMAN, SYLVIA T.
Implementation of an algorithm for cylindrical object identification using range data 19 p3268 N91-28075

BOZICH, S.
Microstructure, porosity, and mechanical property relationships of calcium-silicate-hydrate
[AD-A235191] 18 p2950 N91-26279

BOZOKI, E.
Ion clearing and photoelectron production in the 200 MeV SXLS ring
[DE91-017156] 24 p4100 N91-32907

BOZORGNIA, Y.
Development of an advanced continuum theory for composite laminates, phase 1
[AD-A224985] 04 p0497 N91-12758

BOZZOLO, GUILLERMO
Equivalent crystal theory of alloys
[NASA-TP-3155] 22 p3651 N91-30318
A new approximate sum rule for bulk alloy properties
[NASA-TM-105282] 24 p3975 N91-32204
Theoretical modelling of AFM for bimetallic tip-substrate interactions
[NASA-TM-105280] 24 p3977 N91-32215

BRAAM, B. M.
Analysis of IRIS and VARAN-S image data, automated geometrical processing, and data extraction
[BCRS-89-37] 03 p0358 N91-12005

BRAAM, CORNELIS RENE
Control of crack width in deep reinforced concrete beams
[ISBN-90-9003853-1] 17 p2791 N91-25440

BRAASCH, MICHAEL
Modeling selective availability of the NAVSTAR global positioning system 11 p1638 N91-19030

BRABANSKI, MICHAEL L.
Chaos displayed by solutions of a forced pendulum equation with a fifth-order polynomial for the damping terms
[AD-A229496] 22 p3761 N91-30968

BRABANT, DARLENE A.
Extending the system dynamics model of software project management to a multiproject environment
[AD-A226163] 04 p0563 N91-13127

BRABBS, THEODORE A.
Multi-heat addition turbine engine
[NASA-CASE-LEW-15094-1] 15 p2381 N91-23180

BRABY, L. A.
Phenomenological models
[DE91-004737] 07 p1033 N91-15668
Microbeam studies of the sensitivity of structures within living cells
[DE91-012927] 20 p3378 N91-28715

BRACALENTE, E. M.
Airborne radar simulation studies of the Denver July 11, 1988 microburst 16 p2554 N91-24155

BRACALENTE, EMEDIO M.
Airborne Doppler radar detection of low altitude windshear 03 p0303 N91-11689

BRACK, A.
C-rich micrometeorites on the early Earth and icy planetary bodies 10 p1622 N91-18947

BRACK, ANDRE
Extraterrestrial organic molecules and the emergence of life on Earth 11 p1760 N91-19681

BRACKBILL, J. U.
FLIP-MHD: A particle-in-cell method for magnetohydrodynamics
[DE91-005940] 10 p1601 N91-18832
Adaptive grids and implicit differencing applied to plasma simulation
[DE91-007383] 10 p1603 N91-18846
Progress in the development of a numerical tokamak
[DE91-013386] 20 p3422 N91-28975

BRACKENS, ANDRE N.
Large space structures fielding plan
[AD-A232097] 15 p2389 N91-23227

BRACKER, A. S.
FTIR studies of H2O and D2O decomposition on porous silicon surfaces
[AD-A226581] 04 p0503 N91-12792
Ammonia decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A226625] 05 p0634 N91-13513
FTIR studies of water and ammonia decomposition on silicon surfaces
[AD-A234637] 18 p2948 N91-26265

BRACKETT, R. A.
Strain gauge cabling, conditioning, and sensitivity calculations for the CT-114 (Tutor) aircraft aft fuselage and empennage full-scale fatigue test
[NAE-LTR-ST-1758] 21 p3517 N91-29534

BRACKIN, C. A.
The effectiveness and cost benefits of satellite enviromental acceptance tests
07 p0951 N91-15221

BRACUTI, A. J.
Molecular structure of low temperature form of triaminoguanidinium nitrate (TAGN)
16 p2579 N91-24296

BRADBURY, E. M.
Problems in understanding the organization, structure and function of chromosomes
[DE91-009939] 15 p2472 N91-23695

BRADELY, R. S.
Climate research system
[DE91-016903] 24 p4070 N91-32742

BRADEN, R.
Network communications research
[AD-A236542] 19 p3152 N91-27421

BRADFORD, J. R.
Bidirectional translator between DXF and IGES formats
[DE90-016430] 01 p0109 N91-10632

BRADFORD, KAYLAND Z.
The flight telerobotic servicer and technology transfer
14 p2361 N91-23063

BRADLEY, D. K.
Multiframe x ray images from a single meander stripline coated on a microchannel plate
[DE90-010741] 08 p1131 N91-16224
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385

BRADLEY, GRAHAM WILLIAM
Environmental uncertainty, planning and organizational performance 08 p1174 N91-16464

BRADLEY, J. P.
Mechanistic interpretation of glass reaction: Input to kinetic model development
[DE91-010794] 17 p2762 N91-25294

BRADLEY, JAMES W.
An alternative form of the modified point-mass equation of motion
[AD-A229514] 22 p3657 N91-30357

BRADLEY, JIMMY D.
Power saw
[NASA-CASE-MSC-21469-1] 23 p3881 N91-31655

BRADLEY, M. M.
Impact of the ice phase on a mesoscale convective system: Cloud ensemble features and cloud radiative properties
[DE91-015769] 23 p3896 N91-31749

BRADLEY, MICHAEL M.
Numerical simulation of aerosol scavenging by ice-bearing convective clouds
[DE90-010676] 08 p1173 N91-16457
Parameterization of aerosol scavenging in a convective cloud model
[DE90-010865] 08 p1173 N91-16458
BRADLEY, R.
A comparative second harmonic study of Cu(111) in UHV and in solution
[AD-A237023] 20 p3337 N91-28479
BRADLEY, R. R.
The growth of epitaxial GaAs and GaAlAs on silicon substrate by MOVPE
[AD-A225743] 04 p0587 N91-13277
BRADLEY, R. S.
Climate system research
[DE91-001779] 07 p1027 N91-15635
A comprehensive precipitation data set for global land areas
[DE91-010321] 16 p2660 N91-24718
BRADLEY, RICHARD A.
A fuel cycle framework for evaluating greenhouse gas emission reduction technology
[DE91-004068] 07 p1026 N91-15633
BRADLEY, W. L.
Studies of mode 1 and mode 2 delamination using a J-integral analysis and in-situ observations of fracture in the SEM
[AD-A225789] 07 p0968 N91-15316
BRADLEY, WALTER L.
Experimental observations and finite element analysis of the initiation of fiber microbuckling in notched composite laminates
[NASA-CR-185354] 05 p0676 N91-13756
BRADSHAW, E. S.
Low-loss coupling to dielectric resonators
[NASA-TM-104111] 22 p3669 N91-30430
BRADSHAW, EDWARD S.
Q-circle measurement error
[NASA-TM-4253] 14 p2259 N91-22495
BRADSHAW, J.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0198 N91-11108
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
Description and depositional model of the Chandler Formation: A lower Cambrian evaporite and carbonate sequence, Amadeus Basin, central Australia 19 p3194 N91-27662
The Tempe Formation: An early middle Cambrian, open marine, clastic, and carbonate sequence, central Amadeus Basin 19 p3194 N91-27663
BRADSHAW, J. S.
Dependence of the log K values for the interaction of chiral dimethylpyridino-18-crown-6 with alpha-(1-naphthylethyl) ammonium perchlorate on several solvent parameters
[AD-A236088] 19 p3126 N91-27270
BRADSHAW, JAMES F.
Braze alloy process and strength characterization studies for 18 nickel grade 200 maraging steel with application to wind tunnel models
[NASA-TM-104075] 17 p2760 N91-25283
BRADSHAW, JOHN
Development of a two photon/laser induced fluorescence technique for the detection of atmospheric OH radicals
[NASA-CR-187724] 07 p1007 N91-15529
BRADSHAW, P.
Effects of free stream turbulence on heat transfer
[AD-A228920] 09 p1333 N91-17319
BRADSHAW, PETER
Collaborative testing of turbulence models 24 p4016 N91-32451
BRADSHAW, T. W.
Miniature closed cycle refrigerators 05 p0723 N91-14035
BRADSTREET, D. H.
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
BRADSTREET, D. W.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
BRADT, R. C.
Residual stress calculations in whisker-reinforced ceramic matrix composites
[DE91-011163] 17 p2762 N91-25290
BRADTMILLER, BRUCE
The 1988 anthropometric survey of US Army personnel: Methods and summary statistics
[AD-A225094] 03 p0395 N91-12196
BRADUNAS, JOHN J.
Design of a stabilized, dc-powered analog laser diode driver
[AD-A238596] 21 p3524 N91-29577
BRADY, D. MICHAEL
Intelligent Data Reduction (IDARE)
[NASA-CR-186322] 02 p0251 N91-11393
BRADY, J. A.
Accommodation of female aircrew in USN protective flight clothing and equipment 02 p0247 N91-11375
BRADY, M.
Visual navigation around curved obstacles
[OUEL-1861/90] 11 p1717 N91-19458
BRADY, THOMAS
Neural networks: An overview
[AD-A236270] 19 p3234 N91-27882
BRAEDT, M.
Reaction kinetics in glass melts: Corrosion of SiO2 (TEXUS 4) 23 p3831 N91-31364
Reaction kinetics in glass melts: Sodium self-diffusion in alkali-silicate melts (TEXUS 6) 23 p3831 N91-31365
BRAET, RONALD L.
Methodology development for the verification and validation of flight critical systems software, phase 1
[AD-A229932] 13 p2132 N91-21735
BRAETSCH, V.
Self- and interdiffusion in alkali-silicate melts (TEXUS 11 and 12) 23 p3831 N91-31366
Self- and interdiffusion in alkali-silicate melts (TEXUS 13) 23 p3831 N91-31367
BRAEUNIG, D.
Displacement threshold energy in GaAs determined by electrical and optical investigations 24 p3997 N91-32337
Total dose effects in MOS systems: Influence of the initial hydrogen distribution 24 p3997 N91-32338
Total dose study on LS-, ALS, and F-technology integrated circuits 24 p3999 N91-32354
Irradiation tests and radiation hardness prediction considerations on electronic components for space application 24 p3999 N91-32355
BRAFMAN, M.
Economical test method and ease of access under microgravity: The zero-g Caravelle 07 p0959 N91-15276
BRAGA, ARTHUR MARTINS BARBOSA
Wave propagation in anisotropic layered composites 14 p2255 N91-22474
BRAGA, CLAUDIA ZUCCARI FERNANDES
Remote sensing estimation of total chlorophyll pigment distribution in Barra Bonita Reservoir
[INPE-5202-PRE/1664] 13 p2108 N91-21603
BRAGG, BOBBY J.
Thermal switch disc for short circuit protection of batteries
[NASA-CASE-MSC-21428-1] 06 p0821 N91-14537
BRAGG, M. B.
Simulation of iced wing aerodynamics
[NASA-TM-104362] 15 p2365 N91-23086
BRAGHIN, M.
Data-based verification control of the tethered satellite 07 p0950 N91-15215
Combined thermal vacuum/thermal balance test on tethered satellite flight unit 07 p0954 N91-15242
BRAGHIN, MASSIMO
Magnetic cleanliness verification approach on tethered satellite 11 p1662 N91-19158
BRAGIN, L. KH.
Effects of prolonged exposure to acetic acid vapors on acid-base balance in humans 01 p0096 N91-10561
BRAGINSKIY, A. YA.
Phenomenological theory of phase transitions to nonhomogeneous noncommensurate phase with superconducting current 11 p1789 N91-19817
BRAHM, DAVID ERNEST
U1(prime) dark matter and R-parity violation
[DE91-001792] 05 p0728 N91-14068
BRAIG, W.
Enhancement of the Stuttgart altitude test facility
[ETN-90-97860] 04 p0487 N91-12708
BRAINARD, GEORGE
Effects of bright illumination on oral temperature and cognitive performance in humans during nighttime hours
[AD-A232787] 15 p2478 N91-23722
BRAINARD, SCOTT
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867
BRAITHWAITE, J. W.
Exploratory battery technology development and testing report for 1989
[DE91-006753] 11 p1698 N91-19352
Exploratory battery technology development report for FY90
[DE91-012131] 20 p3338 N91-28485
BRAITHWAITE, N. S. J.
Passive-filtered and active-driven probes for RF plasmas
[OUEL-1806/89] 01 p0127 N91-10754
BRAKE, M. L.
Intense microsecond electron beam interactions with low pressure gases
[AD-A233004] 16 p2692 N91-24902
BRAKE, MARY L.
Microwave excitation of copper vapor plasmas
[DE91-000588] 04 p0585 N91-13262
BRAKEL, A. T.
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
BRAKER, J. G.
The power algorithm in max algebra
[REPT-90-78] 10 p1574 N91-18660
Max-algebra modelling and analysis of time-table dependent transportation networks
[REPT-90-65] 10 p1589 N91-18760
BRAMBLE, JAMES H.
Parallel multilevel preconditioners
[DE91-001121] 04 p0573 N91-13186
BRAMLETT, R. D.
Electrodeposited coatings for diamond turning applications
[DE91-009950] 15 p2405 N91-23315
BRAMLEY, R.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
BRAMS, EUGENE A.
Seasonal nitrous oxide flux from an intensively managed pasture in a humid subtropical ecosystem 19 p3267 N91-28071
BRAMSON, B. D.
Fault tolerance via fault avoidance 04 p0485 N91-12699
BRAND, P. W. J. L.
High resolution sub-millimetre mapping of starburst galaxies: Comparison with CO emission 05 p0740 N91-14129
Infrared images of reflection nebulae and Orion's bar: Fluorescent molecular hydrogen and the 3.3 micron feature 06 p0890 N91-14918
BRANDECKER, B.
Full scale fatigue and damage tolerance testing of modern transport aircraft 03 p0309 N91-11728
BRANDEKI, SCOTT
NRL tethered balloon measurements at San Nicolas Island during FIRE IFO 1987 01 p0086 N91-10509
BRANDENBERGER, ROBERT
Particle astrophysics 24 p4120 N91-33024
BRANDENBURG, JOHN
The DIMEX experiment
[AD-A229080] 09 p1406 N91-17738
BRANDES, EDWARD
Enhancements to the terminal Doppler weather radar gust front algorithm
[DOT/FAA/NR-91/3] 14 p2255 N91-22473
BRANDHORST, HENRY W.
Key issues in space nuclear power
[NASA-TM-103656] 11 p1666 N91-19179
BRANDHORST, HENRY W., JR.
Advanced electrical power, distribution and control for the Space Transportation System 09 p1281 N91-17043
Power technologies and the space future
[NASA-TM-103649] 13 p2043 N91-21240
Thin solar cell and lightweight array
[NASA-CASE-LEW-14959-1] 19 p3185 N91-27614
BRANDIS, R.
Exact and approximate solutions to the oblique shock equations for real-time applications
[NASA-CR-187173] 21 p3452 N91-29147
BRANDL, H.
Eye damage induced by solar radiation 17 p2825 N91-25605
Intra-ocular lenses and military flying qualifications 17 p2827 N91-25615
BRANDLI, A. E.
Operations management system 09 p1280 N91-17036
BRANDON, D. G.
Particulate ceramic matrix composites for high strain-rate performance
[AD-A229364] 22 p3642 N91-30269
BRANDON, ELDON
Characterization of a laser-beam spinning technique
[DE91-000478] 04 p0529 N91-12936
BRANDON, JAY M.
Dynamic stall effects and applications to high performance aircraft 14 p2192 N91-22106
BRANDON, JONATHAN
A sequential Jackson network with feedback
[ITN-91-85111] 18 p3054 N91-26867

BRANDON, M. A.
CTDO and nutrient data from Charles Darwin cruise 50 in the Iceland Faeroes region
[IOS-282-1991] 22 p3712 N91-30664
BRANDON, S. L.
Large-strain quasi-static compression materials tests in support of penetration modeling research
[DE91-004147] 10 p1532 N91-18438
Compendium of material test results on HY-100 and pseudo HY-100 metals in support of US Navy programs
[DE91-013134] 21 p3478 N91-29292
BRANDON, S. T.
A new weighted residual finite element method for computational electromagnetics in the time domain
[DE91-008741] 12 p1889 N91-20388
Electromagnetic PIC simulations using finite elements on unstructured grids
[DE91-015141] 21 p3589 N91-29962
BRANDON, SCOTT T.
Electromagnetic particle codes on unstructured grids
[DE90-015187] 01 p0124 N91-10733
BRANDOW, B. H.
Valence-fluctuation scenario for cuprate superconductivity: The finite-U pairing mechanism
[DE91-009953] 14 p2336 N91-22917
Re-analysis of photoemission data for CuO: Revision of the configuration-energy scheme for cuprate materials
[DE91-009952] 15 p2401 N91-23296
BRANDRETH, M.
TDF specification
[RSRE-91005] 22 p3729 N91-30756
BRANDT, J.
The application of three-dimensional fibre preforms for aerospace composite structures
03 p0327 N91-11822
Investigations on the interface and mechanical properties of composites based on non impregnated carbon fibre reinforced thermoplastic preforms
[MBB-Z-0298-90-PUB] 04 p0497 N91-12757
Manufacturing and mechanical properties of fiber composite materials with textile preforms
[MBB-Z-0325-90-PUB] 22 p3645 N91-30286
BRANDT, J. C.
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012
BRANDT, N. B.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal
11 p1790 N91-19819
BRANDT, R.
Design, development, and verification of the EURECA A Orbit Transfer Assembly (OTA)
[MBB-UO-0102-90-PUB] 04 p0493 N91-12743
BRANDT, RICHARD G.
Ionospheric modification research at HIPAS
10 p1547 N91-18511
Investigation of the polar electrojet current system using radio wave heating from a ground-based facility
10 p1554 N91-18547
BRANNAM, R. J.
Orbital transfer vehicle oxygen turbopump technology. Volume 2: Nitrogen and ambient oxygen testing
[NASA-CR-185262] 07 p0966 N91-15307
BRANNEN, J. P.
Backward iteration in a rational interpolation application
[DE91-010865] 16 p2679 N91-24832
BRANNON, M. A.
Use of inedible wheat residues from the KSC-CELSS breadboard facility for production of fungal cellulase
23 p3903 N91-31785
BRANNON, P. J.
A discussion of the xenon laser intensity as a function of pump rate
[DE91-009225] 13 p2091 N91-21506
BRANOVER, HERMAN
Liquid-metal MHD power conversion for space electric systems
[SER-S/27] 15 p2390 N91-23231
Flows with strongly anisotropic turbulence-dynamic and heat transfer aspects
[SER-20/P] 15 p2420 N91-23407
Turbulence and the feasibility of self-cooled liquid-metal blankets for fusion reactors
[SER-10/P-REV] 15 p2510 N91-23910
BRANS, HENRY
Experiment Document Information System (EDIS) evolution 13 p2165 N91-21941
BRANSCOME, DARRELL R.
NASA's advanced space transportation system launch vehicles 20 p3291 N91-28195
BRANSCOME, LEE E.
The effect of latent heat release on synoptic-to-planetary wave interactions and its implication for satellite observations: Theoretical modeling
08 p1184 N91-16514
The impact of greenhouse climate change on the energetics and hydrologic processes of mid-latitude transient eddies
[NASA-CR-188203] 16 p2654 N91-24686
BRANSFORD, J. W.
Ignition characteristics of the nickel-based alloy UNS N07001 in pressurized oxygen
[NASA-CR-188223] 17 p2755 N91-25250
BRANSFORD, JAMES WARREN
Aluminum alloys for cryogenic tanks: Oxygen compatibility, volume 1
[AD-A229229] 09 p1314 N91-17211
BRANSTETTER, JAMES R.
Flight test to determine feasibility of a proposed airborne wake vortex detection concept
[NASA-TM-102672] 14 p2190 N91-22096
BRANUM, J. D.
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482
BRASCHE, L. J. H.
Deducing mechanical properties due to interfaces from their acoustical response
[DE90-016704] 02 p0221 N91-11234
Internal friction peaks due to interstitials in bcc alloys
[DE91-007411] 11 p1683 N91-19272
BRASCHI, BERTRAND
Basic principles of list scheduling algorithms and task scheduling precedence
[ETN-91-99479] 22 p3730 N91-30765
BRASE, J.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
BRASKI, D. N.
Proceedings of the 4th Annual Conference on Fossil Energy Materials
[DE91-001158] 04 p0505 N91-12805
BRASLAVETS, R. I.
Analytical algorithms to solve an inverse navigation problem for a system of satellites
18 p2931 N91-26168
BRASLOW, A. L.
Laminar-flow flight experiments
16 p2551 N91-24135
BRASSEUR, DEANNA MARIE
A Canadian female CF-18 pilot's experience
02 p0244 N91-11360
BRASSEUR, G.
Comparison between observed and calculated distributions of trace species in the middle atmosphere
19 p3190 N91-27641
BRASTED, DONALD K.
The effect of the low Earth orbit environment on space solar cells
[NASA-TM-103735] 11 p1663 N91-19165
Advanced photovoltaic experiment, S0014: Preliminary flight results and post-flight findings
16 p2720 N91-25061
BRATT, S. R.
Intelligent array system
[AD-A231107] 13 p2142 N91-21792
BRATTON, THOMAS D.
Antenna radome sample test report
[DOT/FAA/CT-TN90/50] 07 p0996 N91-15470
Solid-State Radar Beacon Decoder (SSRBD) Master Test Plan (MTP)
[DOT/FAA/CT-TN91/33] 23 p3855 N91-31494
BRAUCH, UWE
Laser technology for space tasks
[DLR-MITT-90-10] 03 p0371 N91-12080
BRAUD, J. P.
The MIT short-wavelength laser project
[DE91-015357] 21 p3525 N91-29582
BRAUD, JAMES E.
Data base structure to support the production of the digital bathymetric data base
[AD-A227915] 08 p1241 N91-16841
BRAUDAWAY, DAVID W.
Standards Laboratory environments
[DE91-000459] 04 p0488 N91-12711
BRAUN, A. T.
Braun heat pump engine/compressor and its hermetic rod seal
[DE91-017151] 24 p3981 N91-32239
BRAUN, EREZ
Biased galaxy formation in the neutrino scenario
15 p2498 N91-23839
BRAUN, JEAN-FRANCOIS
Soldering of complex multilayer printed boards
[CNES-NT-127] 23 p3852 N91-31474
BRAUN, M. J.
Simulation of brush insert for leading-edge-passage convective heat transfer
[NASA-TM-103801] 15 p2421 N91-23409
Some preliminary results of brush seal/rotor interference effects on leakage at zero and low RPM using a tapered-plug rotor
[NASA-TM-104396] 19 p3176 N91-27559
BRAUN, MAX W.
Pseudomorphic semiconducting heterostructures from combinations of AlN and GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A230268] 12 p1988 N91-20938
BRAUN, MAX W. H.
Pseudomorphic semiconducting heterostructures from combinations of AlN, GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A225893] 04 p0588 N91-13284
BRAUN, ROBERT
The violent interstellar medium in Messier 31
05 p0750 N91-14178
Supernova remnants and diffuse ionized gas in M31
05 p0750 N91-14179
High brightness neutral hydrogen in M31: A new probe of interstellar pressure 05 p0754 N91-14196
BRAUN, W. C.
Analysis of error in TOMS total ozone as a function of orbit and attitude parameters
[NASA-CR-4361] 13 p2121 N91-21670
BRAUNAGEL, L.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
BRAUNEGG, DAVID JEROME
MARVEL: A system for recognizing world locations with stereo vision
[AD-A225709] 03 p0386 N91-12150
BRAUNLICH, PETER F.
Basic characteristics of laser heating in thermoluminescence and of laser-stimulated luminescence
[AD-A225968] 04 p0528 N91-12930
BRAUNSTEIN, M.
Photoelectron spectroscopy of excited molecular states
[DE90-012088] 09 p1395 N91-17673
BRAVENEC, R. V.
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918
BRAVO, S.
Space physics research in Mexico
07 p0948 N91-15205
BRAY, D. J.
Cast and rapidly solidified magnesium alloys
03 p0341 N91-11912
BRAY, K. N. C.
Modelling of flamelet surface-to-volume ratio in turbulent premixed combustion
[DE90-006312] 08 p1107 N91-16081
BRAY, NANCY A.
Northern California coastal circulation study: Results of the pilot program: Executive summary
[PB90-261660] 09 p1369 N91-17523
Northern California coastal circulation study: Results of the pilot program
[PB90-261678] 09 p1369 N91-17524
BRAY, RICHARD S.
A proposed definition for a pitch attitude target for the microburst escape maneuver 03 p0303 N91-11687
BRAYER, R.
AGT 1500 powerpack improvement project (M1 TMEPS), volume 1
[AD-A234998] 22 p3684 N91-30511
AGT 1500 powerpack improvement project (M1 TMEPS), volume 2
[AD-A234999] 22 p3684 N91-30512
BRAZHNIK, V. I.
Experimental assessment of effect of head position on center of gravity of human body in ejections seats
10 p1562 N91-18590
BREAKWELL, J.
Gradiometry coexperiments to the gravity probe B and step missions
[NASA-CR-187704] 05 p0681 N91-13788
BRECHIGNAC, FRANCOIS
Life sciences in ESA TRP activity
11 p1744 N91-19589

Towards bioregenerative life support systems
11 p1755 N91-19655

BRECKENRIDGE, F. R.
Progress in ultrasonic measurements research in 1990: Transient sources for acoustic emission work
[AD-A234965] 18 p3056 N91-26882

BRECKENRIDGE, JOHN L.
Data base structure to support the production of the digital bathymetric data base
[AD-A227915] 08 p1241 N91-16841

BRECKENRIDGE, R. P.
The role of quality assurance in the monitoring of terrestrial ecosystems
[DE90-010986] 08 p1174 N91-16461

BRECKENRIDGE, ROGER A.
Technology for the Future: In-Space Technology Experiments Program, part 1
[NASA-CP-10073-PT-1] 19 p3109 N91-27177
Technology for the Future: In-Space Technology Experiments Program, part 2
[NASA-CP-10073-PT-2] 19 p3109 N91-27178

BRECKENRIDGE, WILLIAM C.
Feedback controlled optics with wavefront compensation
[NASA-CASE-NPO-18194-1-CU]
24 p4103 N91-32924

BRECKNER, HARVEY H., III
Effect of porcelain surface pretreatments on composite resin-porcelain shear bond strength
[AD-A239359] 23 p3808 N91-31241

BREDBENNER, WILLIAM
Reusability Library Framework (RLF)
[AD-A229308] 22 p3724 N91-30725

BREDVIK, GORDON D.
Procedures for minimizing the effects of high solar activity on satellite tracking and ephemeris generation
09 p1289 N91-17084

BREED, CAROL
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594

BREED, JOHN A.
The strategic bomber and low-intensity conflict
[AD-A229938] 12 p1827 N91-20040

BREEDEN, T.
Intense field non-resonant multiphoton absorption of diatomic molecules
[DE91-006920] 11 p1793 N91-19835

BREEDING, TIFFANY
Shuttle Orbiter medical system equipment/supplies evaluation 24 p4080 N91-32793

BREEDON, LORRAINE MARIA
X ray emission from low-mass binary systems
08 p1243 N91-16853

BREEMAN, J. H.
Phase 2 flight simulator mathematical model and data-package, based on flight test and simulation techniques 03 p0315 N91-11763

BREGADZE, J. I.
Intercomparison of standards of absorbed dose between the USSR and the UK
[NPL-RSA(EXT)-17] 24 p4094 N91-32874

BREGMAN, J. D.
The 2.5 to 5.0 micrometer spectral of Io: Evidence for H2S and H2O frozen in SO2 10 p1623 N91-18955

BREGMAN, JESSE D.
Airborne observations of the infrared emission bands
06 p0890 N91-14919
Spectral structure near the 11.3 micron emission feature 06 p0892 N91-14926
The nature of cometary dust as determined from infrared observations 06 p0906 N91-15003

BREGMAN, JOEL N.
A survey of the properties of early-type galaxies
05 p0735 N91-14109
ISM stripping from cluster galaxies and inhomogeneities in cooling flows 05 p0749 N91-14172

BREIDENTHAL, ROBERT E.
Turbulent mixing in exponential transverse jets
[AD-A229435] 22 p3671 N91-30441

BREISACHER, KEVIN J.
Analysis of 5 KHz combustion instabilities in 40K methane/LOX combustion chambers
[NASA-TM-101368] 01 p0020 N91-10117
Nonlinear combustion instability model in two- to three-dimensions
[NASA-TM-102381] 23 p3803 N91-31208

BREITHAMPT, DON R.
Understanding composite explosive energetics. Part 1: The role of metallic additives
[DE90-010692] 10 p1505 N91-18286

BREITHAUPT, D. R.
Understanding composite explosive energetics
[DE91-015770] 23 p3821 N91-31316

BREITHAUPT, R. D.
Uses of Fabry-Perot velocimeters in studies of high explosives detonation
[DE91-000813] 04 p0511 N91-12841
Performance evaluation of insensitive explosives
[DE91-015767] 23 p3821 N91-31315

BREITLING, THOMAS
Calculation of transonic, friction between affected channels and profile flows with passive influence
[ETN-90-98192] 04 p0472 N91-12645

BREITMAN, D. S.
Cold start development of modern small gas turbine engines at Pratt and Whitney Aircraft of Canada Ltd.
23 p3793 N91-31156

BREITTMAYER, J. P.
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619

BREIZMAN, B. N.
Wave-particle power transfer in a steady-state driven system
[DE90-010031] 08 p1225 N91-16748
Excitation of nonlinear wake field in a plasma for particle acceleration
[DE91-017386] 24 p4106 N91-32945

BRENER, NATHAN E.
Theoretical studies of highly energetic CBES materials
[AD-A231340] 13 p2058 N91-21329

BRENNAN, A. M.
UJNR Tsunami Workshop Proceedings
[PB91-193656] 24 p4071 N91-32747

BRENNAN, D. H.
Aircrew sunglasses 17 p2825 N91-25606

BRENNAN, J. J.
Interfacial studies of refractory glass-ceramic matrix/advanced SiC fiber reinforced composites
[AD-A236212] 19 p3120 N91-27235

BRENNAN, JOHN
Interfacial studies of whisker and coated fiber reinforced ceramic matrix composites
[AD-A226020] 04 p0497 N91-12761

BRENNAN, MATTHEW
The recovery of natural gas condensates using membrane technology 09 p1307 N91-17169

BRENNAN, P. R.
Development of low cost propulsion requirements
16 p2570 N91-24242

BRENNAN, PATRICK J.
Long Duration Exposure Facility (LDEF) low-temperature Heat Pipe Experiment Package (HEPP)
16 p2720 N91-25065

BRENNAN, T. M.
Electric-field dependent electroreflectance and photocurrent spectroscopy in InGaAs/InAlAs strained-layer superlattices
[DE90-015698] 02 p0277 N91-11559
Optically-triggered GaAs thyristor switch s: Integrated structures for environmental hardening
[DE91-001355] 06 p0824 N91-14553
Characterization of semiconductor surface-emitting laser wafers
[DE91-001336] 06 p0832 N91-14598
Monolithically integrated GaAs thyristor-transistor as a hardened optically-triggered switch
[DE91-000040] 07 p0999 N91-15486
Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510

BRENNAN, W. KEVIN
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949

BRENNEIS, ALFRED
Calculation of nonstationary two and three dimensional flows around a carrying wing using an implicit relaxation process, in order to solve the Euler equations
[MBB/FE122/S/PUB/394] 04 p0470 N91-12635

BRENNER, A.
Reactive characterization as a probe of the nature of catalytic sites
[DE91-014536] 20 p3312 N91-28333

BRENNER, ALFRED
The electric power feeding on signal/electric power supply circuits, as a process for the simulation of external radio-frequency interferences
[MBB/FE324/S/PUB/378] 03 p0361 N91-12023

BRENNER, D. S.
Empirical proton-neutron interaction energies and nuclear structure
[DE90-017632] 02 p0268 N91-11500

BRENNER, D. W.
Complex route to chaos in velocity driven atoms
[AD-A230051] 12 p1976 N91-20870

BRENNER, M. J.
Development of an integrated aeroservoelastic analysis program and correlation with test data
[NASA-TP-3120] 18 p2921 N91-26113

BRENNING, N.
Dynamic trapping of electrons in space plasmas
[TRITA-EPP-89-07] 02 p0272 N91-11528
Laboratory experiments on the magnetic field and neutral density limits on CIV interaction
[TRITA-EPP-90-01] 02 p0272 N91-11530
Dynamic trapping of electrons in the Porcupine ionospheric ion beam experiment
[TRITA-EPP-90-06] 22 p3757 N91-30942
The collective gyration of a heavy ion cloud in a magnetized plasma
[NASA-CR-187823] 22 p3757 N91-30943
An extension of the Boltzmann relation to collisionless magnetized plasmas
[TRITA-EPP-90-08] 22 p3757 N91-30944

BRENOT, D.
Transmission of sound inside an axisymmetric structure
[ESA-TT-1218] 22 p3751 N91-30908

BRENOT, JEAN-MARC
A procedural expert system for spacecraft command and control 15 p2453 N91-23591

BRENT, R. P.
Improved techniques for lower bounds for odd perfect numbers
[CWI-NM-R8921] 02 p0260 N91-11448

BRENT, T. J.
Preparation of YBa2Cu3O(x) superconductor via ternary precursors
[DE91-011121] 17 p2873 N91-25890

BRENTNER, KENNETH STEVEN
The sound of moving bodies
[NASA-TM-103342] 13 p2147 N91-21827

BRESCIANINI, C.
Preliminary calibration of a generic scramjet combustor
[NASA-CR-187539] 13 p2025 N91-21139

BRESCIANINI, C. P.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651

BRESE, NATHANIEL
The structure of Ta3N5 at 16K by time-of-flight neutron diffraction
[AD-A236596] 20 p3423 N91-28987

BRESLAUER, DANY
An optimal 0(log log n) time parallel string matching algorithm
[ITN-90-85019] 16 p2666 N91-24750

BRESLAV, I. S.
Effect of excess respiratory resistance on physical performance and cardiorespiratory function
18 p3025 N91-26699

BRESNICK, TERRY A.
Examining the effect of information order on expert judgment
[AD-A239708] 23 p3901 N91-31774

BRESSLER, STEVEN L.
Empirical network model of human higher cognitive brain functions
[AD-A227193] 06 p0855 N91-14718

BRESTOVISKY, ALICIA
Unconventional mechanisms of conductivity in I2 and in H2O/CH3CN solutions
[ITN-90-85050] 07 p0973 N91-15344

BRETHERTON, C. S.
Simulations and observations of cloudtop processes
01 p0084 N91-10496

BRETTMAN, K. L.
Robustness of a multiple-use reservoir to seasonal runoff shifts associated with climate change
[DE91-004809] 07 p1027 N91-15639

BRETZLAFF, R. S.
Microphase-separation interpretation of the covariation of several polyurethane dielectric properties
[AD-A230221] 12 p1873 N91-20295

BREUEL, THOMAS M.
An efficient correspondence based algorithm for 2D and 3D model based recognition
[AD-A231406] 13 p2137 N91-21767
Indexing for visual recognition from a large model base
[AD-A229320] 22 p3740 N91-30833

BREUER, HEINZ-PETER
Classical and quantum mechanical aspects of the nonlinear dynamics of periodically driven systems
[BONN-IR-90-14] 03 p0426 N91-12384

BREUNIG, T. M.
Nondestructive imaging of materials microstructure using x ray tomographic microscopy
[DE91-008505] 13 p2099 N91-21554

BREUS, T. K.
Turbulent processes of mass-loading of new ions on Venus and Mars and the problems of numerical models of the interaction of solar wind with these planets. 1: Characteristics of the flow of solar wind around the planets 18 p2932 N91-26174
BREUZET, M.
Conceptual design of strapdown seekers 07 p1043 N91-15720
BREUZET, MICHEL
Bulk acoustic wave resonators made of amorphous materials
[ESA-TT-1201] 03 p0415 N91-12321
BREWE, D. E.
Extension of transonic flow computational concepts in the analysis of cavitated bearings
[NASA-TM-103214] 08 p1145 N91-16304
BREWE, DAVID E.
The effect of coatings and liners on heat transfer in a dry shaft-bush tribosystem
[NASA-TM-102513] 04 p0523 N91-12913
Two reference time scales for studying the dynamic cavitation of liquid films
[NASA-TM-103673] 11 p1701 N91-19369
A system-approach to the elastohydrodynamic lubrication point-contact problem
[NASA-TM-104342] 15 p2426 N91-23439
BREWER, EDWIN B.
Aeroassist flight experiment aerodynamics and aerothermodynamics 02 p0155 N91-10900
BREWER, J. H.
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506
BREWER, L. R.
The mutual coherence of simultaneously injection-locked laser diode arrays
[DE91-007337] 10 p1530 N91-18425
BREWER, TERRY
Development of miniature temperature sensors
[AD-A232964] 16 p2630 N91-24560
BREWER, WILLIAM V.
End-effector-joint conjugates for robotic assembly of large truss structures in space: A second generation 19 p3274 N91-28109
BREWSTER, M. Q.
Radiation effects on flow characteristics in combustion chambers 09 p1299 N91-17132
The effect of propellant optical properties on composite solid propellant combustion
[AD-A231631] 14 p2253 N91-22463
BREZNITZ, SHLOMO
Enhancing performance under stress by information about its expected duration
[AD-A225889] 04 p0554 N91-13071
BREZOWSKI, C. F.
The effect of charge mixture ratio and particle size on igniter plume heat transfer characteristics
[DE90-010633] 08 p1121 N91-16160
BRIASSOULIS, DEMETRES
Evaluation of K-Span as a Rapidly Erectable Lightweight Mobilization Structure (RELMS)
[AD-A231699] 14 p2254 N91-22469
BRIATICO, D.
ESSOPE: Expert system for spacecraft operations planning and execution 14 p2218 N91-22258
BRICARD, PIERRE
MicroChannel Plate detectors (MCP)
[CNES-CT/DRT/TIT/OE-88/037-T] 01 p0038 N91-10227
BRICAUT, J. N.
A survey of finite element model updating methods 07 p0956 N91-15259
BRICCARELLO, M.
Tethered variable gravity laboratory study: Low gravity process identification report
[NASA-CR-185613] 22 p3625 N91-30168
BRICE, D. K.
Molecular dynamics simulations of bulk displacement threshold energies in Si
[DE91-011957] 20 p3400 N91-28846
BRICE, JEAN-MICHEL
Specific aspects of advanced components for airborne applications 07 p0940 N91-15155
BRICKENKAMP, CARROLL S.
Report of the 75th National Conference on Weights and Measurements
[PB91-112763] 14 p2322 N91-22823
BRICKETT, PAUL A.
Empirical network model of human higher cognitive brain functions
[AD-A227193] 06 p0855 N91-14718
BRICKEY, JOSEPH L.
Fractal geometry segmentation of high resolution polarimetric synthetic aperture radar data
[AD-A230428] 12 p1883 N91-20353
BRICKNER, R. G.
Empirical results of a hybrid Monte Carlo method for the solution of Poisson's equation
[DE91-016240] 24 p4092 N91-32863
BRICKNER, RALPH G.
A Monte Carlo boundary propagation method for the solution of Poisson's equation
[DE90-015060] 02 p0262 N91-11466
BRIDEWELL, ALEX
Air traffic control and airspeed systems 2010 air traffic control operational concept
[AD-A229003] 10 p1468 N91-18097
Department of Defense air traffic control and airspace systems interface with the national airspace system
[AD-A229088] 10 p1468 N91-18098
BRIDGES, JAMES EDWARD
Application of coherent structure and vortex sound theories to jet noise 22 p3750 N91-30902
BRIDGES, JAMES F.
Overview of RF systems for the advanced photon source
[DE91-006395] 10 p1592 N91-18780
BRIDGES, THOMAS
Troubleshooting Assessment and Enhancement (TAE) program: Design, development, and administration, volume 1
[AD-A236411] 19 p3228 N91-27847
BRIDGES, THOMAS J.
The effect of symmetry on the hydrodynamic stability of and bifurcation from planar shear flows
[AD-A232916] 16 p2624 N91-24531
BRIDGES, WENDELL J.
Apparatus for guiding a missile
[AD-D014866] 18 p2927 N91-26147
BRIEGLEB, WOLFGANG
Cellular functions of Paramecium under different gravity conditions 11 p1751 N91-19631
Does gravity play a role in the morphological development and function of the gravity sensory organ of vertebrates. DLR contribution to the D-2 project graviperception and neuronal plasticity, its technical realization and experimental execution 11 p1752 N91-19635
Gravity perception by non-specialized structures 11 p1752 N91-19636
Responses of Physarum polycephalum to varying light levels during fast clinostat rotation: A scientific preparation of an ESA biorack experiment during the IML-1 mission 11 p1759 N91-19676
Gravitaxis in Physarum polycephalum 11 p1759 N91-19678
BRIENZO, RICHARD K.
Effect of wind and temperature gradients on received acoustic energy 08 p1217 N91-16697
BRIERE, DOMINIQUE
The electrical flight control system of A320 Airbus: A fault tolerant system
[REPT-911-111-103] 15 p2383 N91-23192
BRIERE, M. A.
Displacement threshold energy in GaAs determined by electrical and optical investigations 24 p3997 N91-32337
Total dose effects in MOS systems: Influence of the initial hydrogen distribution 24 p3997 N91-32338
BRIERE, PIERRE
Microwave and millimeter wave components: Performances, perspectives, and applications to avionics 07 p0941 N91-15156
BRIET, M.
Calibration of ASIC library for radiation tolerant space applications methodology and experiment 24 p3996 N91-32334
BRIET, R.
Step voltage analysis for the catenoid lightning protection system 24 p4050 N91-32623
BRIGGS, C. K.
California energy flow in 1989
[DE91-010012] 16 p2652 N91-24678
BRIGGS, L. L.
A first-principles generic methodology for representing the knowledge base of a process diagnostic expert system
[DE90-017693] 15 p2441 N91-23520
BRIGGS, R.
Molecular and mass spectroscopic analysis of isotopically labeled organic residues 06 p0898 N91-14961
BRIGGS, R. A.
Mechanisms of ilmenite reduction and their impact on the design of effective reactor systems 17 p2900 N91-26021
BRIGHT, F. V.
Determination of solvation kinetics in supercritical fluids
[DE91-016096] 23 p3810 N91-31253
BRIGHT, MICHELLE M.
The NASA Lewis integrated propulsion and flight control simulator
[NASA-TM-105147] 19 p3105 N91-27157
BRIHAYE, C.
The development of new radionuclide generator systems for nuclear medicine applications
[DE91-010381] 16 p2687 N91-24876
BRILEY, MICHAEL MARSHALL, JR.
Carbon and nitrogen abundance variations among Galactic globular cluster stars 17 p2890 N91-25976
BRILL, KEITH F.
GEMPAK5 user's guide, version 5.0
[NASA-TM-4260] 13 p2119 N91-21661
GEMPAK5. Part 1: GEMPAK5 programmer's guide, version 5.0
[NASA-TM-4261-PT-1] 13 p2119 N91-21662
GEMPAK5. Part 2: GEMPLT programmer's guide, version 5.0
[NASA-TM-4261-PT-2] 13 p2119 N91-21663
BRILL, THOMAS B.
Characterization of the thermal degradation of selected energetic materials and mixtures by Rapid-Scan Fourier Transform Infrared (RSFTIR) spectroscopy
[AD-A226421] 04 p0512 N91-12844
BRILLHART, RALPH D.
Detailed modal testing of a solid rocket motor using a portable test system 11 p1660 N91-19144
BRIMHALL, J. L.
Metastable phase formation in Be-Nb intermetallic compounds
[DE91-005617] 10 p1500 N91-18255
BRIMHALL, JOHN L.
Strength and toughness of single-phase and dual-phase high-temperature intermetallics
[DE90-017192] 01 p0028 N91-10166
BRINDLEY, PAMELA K.
Furnace for tensile/fatigue testing
[NASA-CASE-LEW-14848-1] 19 p3109 N91-27175
BRINDLEY, W. J.
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] 17 p2763 N91-25298
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-2] 24 p3979 N91-32229
BRINDLEY, WILLIAM J.
Thermal barrier coating evaluation needs
[NASA-TM-103708] 07 p0982 N91-15390
Oxidation resistant coatings for titanium alloys and titanium alloy matrix composites
[NASA-CASE-LEW-15155-1] 18 p2966 N91-26375
BRINK, DANIEL C.
An assessment of the problems surrounding the data acquisition process, and possible improvements
[AD-A229787] 12 p1998 N91-20998
BRINK, NORMAN O.
Effect of lightning strike on bromine intercalated graphite fiber/epoxy composites
[NASA-TM-104507] 24 p3970 N91-32177
BRINKER, C. J.
Dip coating of sol-gels
[DE91-007571] 13 p2154 N91-21872
Aerogel composites for radioluminescent light/power sources
[DE91-012012] 20 p3323 N91-28395
BRINKER, C. JEFFREY
In-situ pore structure analysis during aging and drying of gels
[DE91-000044] 02 p0195 N91-11089
BRINKER, D. J.
Recent progress in InP solar cell research
[NASA-TM-104509] 19 p3156 N91-27447
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion 22 p3631 N91-30206
Effect of dislocations on properties of heteroepitaxial InP solar cells 22 p3632 N91-30209
BRINKER, DAVID J.
Preliminary results from the advanced photovoltaic experiment flight test
[NASA-TM-103269] 02 p0189 N91-11058
The effect of the low Earth orbit environment on space solar cells
[NASA-TM-103735] 11 p1663 N91-19165
Tandem concentrator solar cells with 30 percent (AMO) power conversion efficiency 11 p1667 N91-19189
Thermal annealing of GaAs concentrator solar cells 11 p1668 N91-19195
Effects of proton irradiation on the performance of InP/GaAs solar cells 11 p1670 N91-19205
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates 11 p1671 N91-19209
Heteroepitaxial InP solar cells on Si and GaAs substrates
[NASA-TM-103696] 12 p1890 N91-20392

Advanced photovoltaic experiment, S0014: Preliminary flight results and post-flight findings
16 p2720 N91-25061
The effects of lunar dust accumulation on the performance of photovoltaic arrays
22 p3637 N91-30238

BRINKLEY, B. R.
X ray imaging microscope for cancer research
14 p2356 N91-23030

BRINKLEY, JAMES W.
Impact on women: A retrospective look at impact acceleration testing at the Harry G. Armstrong Aerospace Medical Research Laboratory 02 p0247 N91-11378

BRINKLEY, KAY L.
Materials Division research and technology accomplishments for FY 89 and plans for FY 90
[NASA-TM-102649] 02 p0192 N91-11072

BRINKLEY, P.
Optical shared memory system demonstration model
[AD-A226431] 05 p0651 N91-13612

BRINKLEY, TIMOTHY J.
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 3: Technical overview
[AD-A230340] 12 p1882 N91-20349
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 6: Overview of accomplishments
[AD-A230341] 12 p1883 N91-20350

BRINKMAN, C. R.
Low heat rejection diesel ceramic coupon tests
[DE91-000737] 07 p0984 N91-15401
Creep and creep-rupture behavior of Alloy 718
[DE91-007706] 15 p2401 N91-23298
Low heat rejection diesel ceramic coupon tests
[DE91-006274] 15 p2405 N91-23318
Tensile creep behavior and cyclic fatigue/creep interaction of hot-isostatically pressed Si3N4
[DE91-007182] 22 p3654 N91-30340
Tensile and cyclic fatigue properties of SiC whisker-reinforced Al2O3
[DE91-015916] 24 p3970 N91-32179

BRINKMAN, DOUGLAS G.
Wave-mean flow interaction in the storm-time thermosphere using a two-dimensional model
[AD-A227978] 07 p1032 N91-15662

BRINKMAN, DOUGLAS GEORGE
Wave-mean flow interaction in the storm-time thermosphere using a two-dimensional model
02 p0237 N91-11321

BRINKMAN, JAN ALBERT
The analysis of fault diagnosis tasks: Do verbal reports speak for themselves
[ETN-91-99180] 14 p2273 N91-22575

BRINKMAN, M. J.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798

BRINKMANN, P. W.
Product assurance requirements for environmental test facilities 07 p0951 N91-15223

BRINKMANN, W.
The x ray emission of SS433
[MPE-PREPRINT-189] 08 p1244 N91-16856
Thermal instabilities in cooling flows: The evolution of nearly spherical perturbations
[MPE-PREPRINT-176] 11 p1700 N91-19365

BRINKS, ELIAS
The violent interstellar medium in Messier 31
05 p0750 N91-14178

BRINKSMA, E.
Specification styles in distributed systems design and verification
[MEMO-INF-90-06] 03 p0405 N91-12256

BRINKSMA, ED
Refining interfaces of communicating systems
[MEMO-INF-91-19] 23 p3855 N91-31493

BRINKSMEIER, E.
Influence of materials structure and production method of Al2O3 ceramic on the x-ray stress measurement
05 p0638 N91-13540

BRINLEE, GAYL A.
Detonation duct gas generator demonstration program
[NASA-CR-187137] 19 p3106 N91-27163

BRINSON, HAL F.
A nonlinear viscoelastic approach to durability predictions for polymer based composite structures
[NASA-CR-187653] 05 p0641 N91-13554

BRINSON, LYNDA CATHERINE
Time-temperature response of multiphase viscoelastic solids through numerical analysis
08 p1162 N91-16401

BRINZA, DAVID E.
VUV-induced degradation of FEP Teflon aboard LDEF
16 p2715 N91-25030

BRISKE, MICHAEL W.
Error probabilities of frequency hopped MFSK with self-normalization combining in a fading channel with partial-band interference
[AD-A232467] 15 p2415 N91-23376

BRISSON, J. R.
Micro-radiography using an electron linac source and RAM memory chip detectors
[AD-A229658] 12 p1953 N91-20742

BRISTOW, JULIAN PAUL GREGORY
Integrated optical components for optical fibre sensors
02 p0270 N91-11519

BRISTOWE, P. D.
Ground boundaries
[DE91-004027] 06 p0883 N91-14880
Diffraction effects from (111) twist boundaries in gold
[DE91-005849] 09 p1414 N91-17782
Grain boundaries
[DE91-007932] 13 p2159 N91-21905

BRITCHER, COLIN P.
Aerospace Applications of Magnetic Suspension Technology, part 1
[NASA-CP-10066-PT-1] 13 p2035 N91-21188
Stability considerations for magnetic suspension systems using electromagnets mounted in a planar array
13 p2037 N91-21202
Aerospace Applications of Magnetic Suspension Technology, part 2
[NASA-CP-10066-PT-2] 13 p2037 N91-21203

BRITCLIFFE, M. J.
Efficiency calibration of the DSS 13 34-meter diameter beam waveguide antenna at 8.45 and 32 GHz
24 p3986 N91-32271

BRITOCRUZ, MARIA LUCIA
Characterization of antropic action in the Mearim (MA) middle-low valley through LANDSAT/TM imagery
[INPE-5075-PRE/1594] 13 p2111 N91-21620

BRITT, CHARLES L.
Airborne Doppler radar detection of low altitude windshear 03 p0303 N91-11689
Radar simulation program upgrade and algorithm development 16 p2553 N91-24153
Airborne radar simulation studies of the Denver July 11, 1988 microburst 16 p2554 N91-24155

BRITT, D. T.
The spectral relationships between NEA and the meteorites: An overview using principal components analysis 17 p2904 N91-26037
The composition of Phobos: Meteorite analogs based on KRFM and VSK spectral data from the Phobos 2 spacecraft 17 p2909 N91-26061

BRITT, DANIEL L.
Sharing intelligence: Decision-making interactions between users and software in MAESTRO
14 p2312 N91-22772

BRITTEN, J.
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525

BRITTEN, J. A.
A high temperature, plasma-assisted chemical vapor deposition system
[DE91-000260] 04 p0506 N91-12809
A numerical study of silane combustion
[DE90-006002] 08 p1107 N91-16080

BRITTON, A. J.
Design of advanced blading for a high-speed HP compressor using an S1-S2 flow calculation system
[RAE-TM-P-1196] 22 p3621 N91-30144

BRITTON, C. L., JR.
Radiation effects on JFETs (Junction Field-Effect Transistors), MOSFETs, and dipolar transistors, as related to SSC circuit design
[DE91-001486] 05 p0652 N91-13618
Monolithic front end electronics for silicon calorimeters
[DE91-012063] 20 p3338 N91-28484

BRITTON, RANDALL K.
A review of ice accretion data from a model rotor icing test and comparison with theory
[NASA-TM-103712] 05 p0617 N91-13421
Results of a sub-scale model rotor icing test
[NASA-TM-103709] 06 p0777 N91-14309
Ongoing development of a computer jobstream to predict helicopter main rotor performance in icing conditions
[NASA-CR-187076] 11 p1642 N91-19056
Model rotor icing tests in the NASA Lewis icing research tunnel
[NASA-TM-104351] 15 p2382 N91-23184

BRNDON, S. L.
The SNL, Livermore, Hopkinson bar apparatus for compressive materials testing at high strain-rates
[DE91-013132] 20 p3360 N91-28612

BROADBENT, ALISON
The thermal and nonthermal radio emission from the galaxy 17 p2919 N91-26109

BROADFOOT, A. L.
The AIS: A spectrograph/imager ensemble for space flight
[AD-A227009] 06 p0799 N91-14413
Planetary instrument definition and development program: 'Miniature Monochromatic Imager'
[NASA-CR-186550] 21 p3466 N91-29219

BROADHEAD, M. K.
The effects of sound speed on the shape of the ocean impulse response
[AD-A236567] 19 p3205 N91-27718

BROADHURST, THOMAS JAMES
A faint galaxy redshift survey and implications for cosmology 20 p3442 N91-29100

BROADWELL, JAMES E.
Combustion in turbulent jets and buoyant flames, phase 1
[PB90-269655] 09 p1309 N91-17182
Chemical reactions in turbulent mixing flows
[AD-A232610] 15 p2428 N91-23450

BROCHER, THOMAS M.
Feasibility study of the seismic reflection method in Amargosa Desert, Nye County, Nevada
[DE91-001646] 06 p0847 N91-14676

BROCIOUS, W. F.
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373

BROCK, B. C.
Performance of a polarization isolation enhancement method in the presence of errors
[DE91-013571] 20 p3336 N91-28473
Radar-cross-section measurement errors caused by test object interaction with low-dielectric-constant supports
[DE91-015340] 23 p3855 N91-31490

BROCK, BISHOP
Report on the formal specification and partial verification of the VIPER microprocessor
[NASA-CR-187540] 19 p3218 N91-27786

BROCK, BISHOP C.
Hardware verification at Computational Logic, Inc.
09 p1378 N91-17571

BROCK, CHARLES ANDREW
Microphysical, chemical and meteorological aspects of aerosol hazes in the Arctic 17 p2813 N91-25551

BROCK, D.
Synthesis of diamond films by microwave generated pulsed plasmas
[AD-A237228] 21 p3486 N91-29341

BROCK, DAVID L.
Line kinematics for whole-arm manipulation
[AD-A234422] 18 p2994 N91-26535

BROCK, J.
Nonlinear optics technology. Volume 1: Solid state laser technology, phase 3
[AD-A233533] 16 p2690 N91-24891
Nonlinear optics technology. Volume 2: Phase conjugated optical communication link, phase 3
[AD-A233534] 17 p2863 N91-25835

BROCKENBROUGH, JOHN ROGER
Analytical and numerical studies of fracture and fatigue in ceramic materials 24 p4030 N91-32516

BROCKHAUS, R.
Comparison of a mathematical one-point model and a multi-point model of aircraft motion in moving air
02 p0167 N91-10969

BROCKMAN, M. H.
A carrier-arraying demonstration at Goldstone for receiving Pioneer 11 signals 24 p3987 N91-32273

BROCKMAN, PHILIP
Development of flashlamp-pumped Q-switched Ho:Tm:Cr:YAG lasers for mid-infrared LIDAR application
19 p3276 N91-28120

BROCKMEYER, JERRY W.
Fiber-reinforced ceramic composites for Earth-to-orbit rocket engine turbines
[NASA-CR-185264] 08 p1119 N91-16150

BR[illegible]DER, BRUCE
Quickest detection procedures and transient signal detection
[AD-A230068] 12 p1972 N91-20851

BRODERSEN, A. J.
Research on intelligent fault detection and repair advisory systems
[AD-A235267] 18 p2997 N91-26551

BRODIE, JEAN P.
The design and construction of an Automated Multi-Object Spectroscopy system (AMOS)
[DE90-011497] 08 p1109 N91-16088

BRODKEY, ROBERT S.
A full field, 3-D velocimeter for microgravity crystallization experiments
[NASA-CR-188147] 14 p2253 N91-22465

BRODKIN, J. S.
Characterization of ion-implanted aluminum and iron by spectroscopic ellipsometry
[DE91-008371] 11 p1685 N91-19283

BRODKIN, JUDY
Ellipsometric study of metal samples
16 p2717 N91-25041
BRODSKY, MARA
Microalloyed steel preforms
[AD-A234039] 18 p2953 N91-26296
BRODSKY, S. J.
Heavy-quark physics in quantum chromodynamics
[DE91-012113] 20 p3397 N91-28828
Light-cone quantization of quantum chromodynamics
[DE91-013991] 20 p3402 N91-28856
BRODY, ADAM R.
Manual Control Aspects of Orbital Flight
[NASA-CP-10056] 12 p1846 N91-20147
Manual control aspects of orbital flight
12 p1846 N91-20148
Recovery from an anomalous thruster input during a simulated docking maneuver 12 p1948 N91-20714
BRODY, LYNN
Gallium as a unique anti-resorptive agent in bone: Preclinical studies on its mechanisms of action
[DE90-010650] 08 p1190 N91-16542
BROEMME, ANNA DOROTHEA DAGMAR
Physico-chemical investigations on Co-Mn-oxide spinels
[ETN-91-98476] 08 p1238 N91-16825
BROER, H. W.
Quasi-periodic bifurcations, applications
[TW-8911] 02 p0261 N91-11459
BROER, HENK
Bifurcations of parametrically forced oscillators
[W-9007] 23 p3919 N91-31892
BROERSMA, H. J.
Long cycles, degree sums, and neighborhood unions
[MEMO-851] 01 p0115 N91-10676
Generating all 3-connected 4-regular planar graphs from the octahedron graph
[MEMO-854] 01 p0115 N91-10678
A closure concept based on degree-sums of independent triples
[MEMO-864] 04 p0575 N91-13197
A note on K(sub 4)-closures in Hamiltonian graph theory
[MEMO-903] 14 p2319 N91-22806
A note on 'the matching polynomial of a polygraph'
[MEMO-910] 23 p3921 N91-31905
BROESIUS, J. Y.
Technical abstracts: Mechanical engineering, 1990
[DE91-016502] 23 p3881 N91-31658
BROGAN, FRANK
The computational structural mechanics testbed structural-element processor ES5: STAGS shell element
[NASA-CR-4358] 14 p2277 N91-22596
The computational structural mechanics testbed structural-element processor ES6: STAGS beam element
[NASA-CR-4359] 14 p2278 N91-22597
BROIDO, DAVID A.
Theory of the electronic and optical properties of semiconductor heterostructures
[AD-A231438] 13 p2163 N91-21929
BROM, G.
Measurement of air entrainment by a free jet using laser velocimetry and Raman scattering
[ISL-R-109/89] 01 p0003 N91-10017
BROM, H. B.
Low temperature properties of boron carbides
[DE91-008172] 11 p1677 N91-19243
BROMAGE, G. E.
Study of coronal and transition region structure in the contact binary 44i Boo through rotational modulation of the far-UV spectra 09 p1439 N91-17928
Ultraviolet continuum in solar and dMe star flares
09 p1440 N91-17940
BROMEIS, B.
Does gravity play a role in the morphological development and function of the gravity sensory organ of vertebrates. DLR contribution to the D-2 project graviperception and neuronal plasticity, its technical realization and experimental execution
11 p1752 N91-19635
BROMSTEAD, JAMES
Silicon device performance measurements to support temperature range enhancement
[NASA-CR-187904] 10 p1517 N91-18352
BROMWICH, DAVID H.
A review of precipitation-related aspects of West Antarctic meteorology 18 p3001 N91-26574
BRON, C.
A solution for the network database problem in an imperative language 23 p3915 N91-31864
BRON, COENRAAD
Smoothsort revisted
[CS-9009] 14 p2309 N91-22758
A note on improving utilization of disk space in a general purpose file system
[CS-9010] 14 p2341 N91-22945
BRONK, B. V.
Progress in the detection of single molecules in levitated droplets
[DE91-000612] 05 p0635 N91-13517
Ultrasensitive molecular fluorescence spectroscopy in levitated microdroplets
[DE91-000621] 08 p1110 N91-16095
BRONSARD, LIA
On the slowness of phase boundary motion in one space dimension
[AD-A231286] 13 p2083 N91-21480
BRONSON, M. J.
Analysis of production solutions by polarography
[DE91-016479] 23 p3811 N91-31257
BROOK, E.
Engine icing criticality assessment
23 p3794 N91-31161
BROOK, J. R.
Estimation of seasonal and annual acidic deposition through aggregation of three-day episodic periods
[PB90-252628] 02 p0233 N91-11303
BROOK, MARX
Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-1-CU]
07 p1032 N91-15661
Electrification in winter storms and the analysis of thunderstorm overflight 24 p4059 N91-32678
Lightning to the upper atmosphere: A vertical light pulse from the top of a thunderstorm as seen by a payload bay TV camera of the space shuttle
24 p4067 N91-32720
BROOKE, G. H.
Parabolic approximations for seismo-acoustic waveguide propagation
[DREP-89-20] 22 p3750 N91-30905
BROOKE, T. Y.
Detection of the 3.4 micron emission feature in comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko (1989r) and an observational summary
12 p2005 N91-21032
Limit on the CH4/CO ratio in Comet Levy (1990c) and comparisons with other comets
17 p2897 N91-26013
BROOKE, TIM Y.
The 3.4 micron emission in comets
06 p0906 N91-15006
BROOKER, M. J.
The special requirements of a VSTOL aircraft
20 p3283 N91-28155
BROOKHART, MAURICE
Chemical activation of methane
[PB90-270455] 09 p1307 N91-17172
BROOKS, C. J.
The human factors relating to escape and survival from helicopters ditching in water
[AGARD-AG-305(F)] 14 p2190 N91-22099
Canadian aircrew fresh water survival 1952-1987
[DCIEM-88-RR-51] 22 p3615 N91-30112
BROOKS, CUYLER W., JR.
The NASA Langley laminar-flow-control experiment on a swept, supercritical airfoil: Suction coefficient analysis
[NASA-TM-4267] 16 p2544 N91-24098
BROOKS, E. D., III
Split-join and message passing programming models on the BBN TC2000
[DE91-008067] 20 p3388 N91-28774
The PCP/PFP programming models on the BBN TC2000
[DE91-011537] 20 p3390 N91-28781
BROOKS, EUGENE D., III
Gauss elimination: A case study on parallel machines
[DE91-006259] 10 p1576 N91-18674
BROOKS, FREDERICK P., JR.
The 1992 - 1997 renewal proposal interactive graphics for molecular studies
[AD-A236598] 20 p3396 N91-28823
BROOKS, HAROLD EDWARD
Low-level curvature shear and supercell thunderstorm behavior 20 p3375 N91-28701
BROOKS, J.
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784
BROOKS, J. N.
Modeling and analysis of surface roughness effects on sputtering, reflection, and sputtered particle transport
[DE91-004429] 05 p0722 N91-14028
BROOKS, LARRY
LDEF electronic systems: Successes, failures, and lessons 16 p2724 N91-25085
BROOKS, N.
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
BROOKS, PETER
Preventing driver error and motorcycle accident causation: An empirical investigation
[CRANFIELD-AERO-9106] 22 p3721 N91-30711
BROOKS, RODNEY A.
The behavior language, user's guide
[AD-A225808] 04 p0562 N91-13119
Piezoelectric micromotors for microrobots
[AD-A234423] 18 p2978 N91-26446
BROOKS, STEVE M.
S-76 rotorcraft high intensity radiated fields. Test plan
[SCIE-FAA-001-91] 19 p3154 N91-27438
BROOKSHIRE, T. L.
NTIS bibliographic database user's guide for final issue tape format and IA-edit internal tape format (revised)
[PB91-149500-REV] 16 p2698 N91-24945
BROOME, BARBARA
A logical framework for distributed data
[AD-A230037] 12 p1955 N91-20755
BROOME, PAUL
A logical framework for distributed data
[AD-A230037] 12 p1955 N91-20755
BROPHY, JAMES J.
Conductivity fluctuations in fast ionic conductors
[AD-A227379] 06 p0823 N91-14549
BROPHY, THOMAS GEORGE
Dynamical modeling of collisional transport processes in planetary rings: Narrow rings, multi-component rings, and satellite perturbations 03 p0435 N91-12438
BROSCH, N.
Matter in cosmic voids 15 p2498 N91-23838
BROSEY, W. D.
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330
BROTHERHOOD, P.
Experimental techniques in helicopter aerodynamics flight research 10 p1461 N91-18058
BROTHERS, CHARLES P., JR.
Evaluation of an interdigitated gate electrode field-effect transistor for detecting organophosphorus compounds
[AD-A230161] 12 p1891 N91-20400
BROTHERS, J. W.
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785
BROTHERS, P. R.
Burst annealing of high temperature GaAs solar cells
11 p1668 N91-19196
BROUDE, S.
Optical characterization and patterning of nonlinear optical polymers with photocrosslinking groups
[AD-A235861] 19 p3140 N91-27349
BROUILLET, NATHALIE
Molecules in an infrared cirrus cloud
06 p0900 N91-14977
BROUSSEAU, NICOLE
Definition of the concept of an interferometric spectrum analyzer for the detection of frequency hopping radios
[AD-A231031] 13 p2072 N91-21413
BROUSSINOS, PETER
Multi-mode random response analysis procedure
[AD-A230457] 12 p1914 N91-20527
BROUWER, RANDALL JAY
Parallel algorithms for placement and routing in VLSI design
[NASA-CR-187787] 07 p1051 N91-15770
BROUWERS, E. M.
Systematic paleontology of quaternary ostracode assemblages from the Gulf of Alaska. Part 1: Families cytherellidae, bairdidae, cytheridae, leptocytheridae, limnocytheridae, eucytheridae, Krithidae, Cushmanideidae
[PB91-138602] 17 p2810 N91-25530
BROW, R. K.
Interactions at glass-ceramic to metal interfaces
[DE91-006830] 10 p1495 N91-18231
Reactive metal brazing of aluminum nitride
[DE91-010867] 17 p2759 N91-25277
Interfacial debonding in stainless steel/glass-ceramic seals
[DE91-011326] 17 p2763 N91-25295
BROWELL, EDWARD V.
Tropospheric ozone and aerosols measured by airborne lidar during the 1988 Arctic boundary layer experiment
17 p2794 N91-25455
Airborne lidar measurements of ozone during the 1989 airborne Arctic stratospheric expedition
17 p2794 N91-25456
Airborne water vapor DIAL system and measurements of water and aerosol profiles 17 p2796 N91-25467

Lidar measurements of polar stratospheric clouds during the 1989 airborne Arctic stratospheric expedition
17 p2797 N91-25470

BROWER, DAVID
Manufacturing processes
20 p3298 N91-28244

BROWN-WENSLEY, K. A.
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407

BROWN, A. M.
Advanced thermoplastic resins, phase 2
[NASA-CR-187548] 24 p3979 N91-32231

BROWN, A. P.
ANL's development of conductive ceramic components for MCFC
[DE91-015557] 21 p3485 N91-29336

BROWN, ALAN C.
Real-time safety analysis for autonomous guided vehicles
[OUEL-1833/90] 01 p0006 N91-10037

BROWN, ALISON
Enhanced global positioning system delta-range processing
[PATENT-1-254-637] 23 p3787 N91-31115

BROWN, B. C.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958

BROWN, B. D.
Design of a triaxial residual stress measurement system using high-energy x ray diffraction
[DE90-016212] 01 p0056 N91-10331

BROWN, B. H.
Visualisation of fluid shifts within the body during a parabolic flight by measurements of electrical bio-impedance
11 p1761 N91-19688

BROWN, BRADLEY J.
Assurance of software quality
[AD-A235924] 19 p3225 N91-27829

BROWN, BRUCE B.
Hazards and safeguards of high pressure hydraulic fatigue testing
[AD-A226767] 06 p0816 N91-14509

BROWN, C. L.
Distributed System Modeling Environment (DSME)
[AD-A226698] 08 p1198 N91-16583

BROWN, C. R.
Thermal analyses for quality control of plastics, ceramics, and explosives
[DE91-002701] 06 p0836 N91-14622

BROWN, C. T.
Fundamental investigation of duct/ESP phenomena: Flow visualization
[DE91-010999] 22 p3677 N91-30471

BROWN, CHARLES H.
Supercomputing and the processing of acoustic transients by biological systems and machines
[AD-A235759] 19 p3212 N91-27754

BROWN, CHRISTOPHER L.
Moessbauer spectroscopy and scanning electron microscopy of the Murchison meteorite
19 p3273 N91-28103

BROWN, CHRISTOPHER M.
Projectively invariant representations using implicit algebraic curves
[OUEL-1829/90] 04 p0571 N91-13171
Northeast Artificial Intelligence Consortium (NAIC). Volume 13: Image understanding and intelligent parallel systems
[AD-A234897] 18 p3049 N91-26832
Image understanding and intelligent parallel systems
[AD-A236229] 19 p3232 N91-27871

BROWN, CHRISTOPHER WILLIAM
Two fault tolerant toggle-hook release
[NASA-CASE-MSC-21671-1] 24 p4026 N91-32498

BROWN, D.
Wind tunnel investigation and flight tests of tail buffet on the CF-18 aircraft
06 p0780 N91-14325
Effects of UV-B and global climate change on Rice Research Plan
[PB91-109983] 09 p1361 N91-17478
Operations with the special purpose dextrous manipulator on Space Station Freedom
12 p1938 N91-20659
Design and cost of the first commercial stretched-membrane heliostat
[DE91-016870] 23 p3891 N91-31715

BROWN, D. A.
Application of artificial neural networks to composite ply micromechanics
[NASA-TM-104365] 16 p2589 N91-24345

BROWN, D. C.
Facet development for a faceted stretched-membrane dish by Solar Kinetics, Inc.
[DE91-016866] 23 p3890 N91-31713

BROWN, D. L.
Thermodynamic behavior of high-Tc oxide systems via EMF and related measurements
[DE91-006590] 10 p1607 N91-18866
Layer tracking asymptotics and domain decomposition
[DE91-008593] 13 p2081 N91-21462
Thermodynamic behavior of high-T(sub c) oxide systems via EMF and related measurements
[DE91-010589] 16 p2695 N91-24924

BROWN, D. R.
Thermal energy storage for power generation applications
[DE90-016539] 01 p0065 N91-10388
Potential impacts of global climate change on solar thermal power systems
[DE91-011239] 17 p2808 N91-25526
Electric rate structures for thermal energy storage evaluation
[DE91-013168] 21 p3536 N91-29644
Site-specific investigations on aquifer thermal energy storage for space and process cooling
[DE91-017534] 24 p4040 N91-32576

BROWN, D. S.
Preliminary testing, evaluation and sensitivity analysis for the Terrestrial Ecosystem Exposure Assessment Model (TEEAM)
[PB91-161711] 18 p3006 N91-26602

BROWN, D. W.
Interagency telemetry arraying for Voyager-Neptune encounter
03 p0355 N91-11982
Development of a current collection loss management system for SDI homopolar power supplies
[DE91-012779] 20 p3367 N91-28652

BROWN, DAVID B.
QUEST/Ada (Query Utility Environment for Software Testing of Ada): The development of a prgram analysis environment for Ada, task 1, phase 2
[NASA-CR-186939] 04 p0556 N91-13082
QUEST/Ada (query utility environment for software testing of Ada: The development of a program analysis environment for Ada, task 1, phase 3
[NASA-CR-187983] 11 p1775 N91-19735

BROWN, DAVID R.
Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB]
13 p2048 N91-21270

BROWN, EDWARD N.
Uncertainty analysis of a radome flush orifice air motion system for the measurement of aircraft incident angles
[PB91-196176] 24 p3960 N91-32133

BROWN, EDWARD T.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32
09 p1288 N91-17081

BROWN, FRANK M.
A prolog system for converting VHDL-based models to Generalized Extraction System (GES) rules
[AD-A238545] 21 p3553 N91-29741

BROWN, FRED A.
Evaluation of uniaxial and triaxial shock isolation techniques for a piezoresistive accelerometer
[DE91-000773] 04 p0527 N91-12922

BROWN, G. E.
X ray absorption fine structure of systems in the anharmonic limit
[DE91-016070] 24 p4097 N91-32892

BROWN, G. L.
Proceedings of the 33rd Royal Aeronautical Society Lawrence Hargrave Memorial Lecture on Bridging the Technology Gap
[AD-A227747] 07 p0935 N91-15123
Dopant effects on sintering behavior in ceramic matrix composites
[DE91-009774] 14 p2252 N91-22459

BROWN, G. S.
A balloon-borne aerosol spectrometer for high altitude low aerosol concentration measurements
[DE91-002563] 06 p0844 N91-14661
A balloon-borne integrating nephelometer
[DE91-001037] 06 p0849 N91-14687

BROWN, GARY
Advanced models for clutter
[AD-A232039] 16 p2678 N91-24821

BROWN, GEORGE E., JR.
National Aeronautics and Space Administration Multiyear Authorization Act of 1991
18 p3083 N91-27046
National Aeronautics and Space Administration Multiyear Authorization Act of 1991
[H-REPT-102-41] 19 p3263 N91-28047

BROWN, GERALD V.
Development of a vibration isolation prototype system for microgravity space experiments
[NASA-TM-103664] 11 p1693 N91-19324
Magnetic bearings with zero bias
13 p2035 N91-21194

BROWN, H. B., JR.
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949

BROWN, H. BENJAMIN, JR.
A simple 5-DOF walking robot for space station application
12 p1936 N91-20653

BROWN, HAROLD K.
Timing margin measurement using a laser technique
[AD-A226821] 08 p1153 N91-16353

BROWN, I. G.
Broad-beam, high current, metal ion implantation facility
[DE91-009329] 13 p2052 N91-21291
Novel metal ion surface modification technique
[DE91-010228] 16 p2602 N91-24422
Study of the effect of reactive element addition by implanting metal ions in a pre-formed oxide layer
[DE91-011916] 18 p3072 N91-26974
Plasma immersion surface modification with metal ion plasma
[DE91-014233] 20 p3422 N91-28979

BROWN, J. D.
A laser Doppler velocimeter approach for near-wall three-dimensional turbulence measurements
[NASA-TM-102841] 05 p0658 N91-13653

BROWN, J. E.
APFIM characterization of the spinodal decomposition in duplex stainless steels
[DE91-014256] 20 p3319 N91-28371

BROWN, J. F.
Evaluation of data reduction and composing of the NOAA global vegetation index product: A case study
[AD-A227397] 06 p0840 N91-14641

BROWN, JAMES R.
Cryogenic upper stage propulsion: RL10 and derivative engines
20 p3292 N91-28202

BROWN, JAY C.
Piezoelectric sandwich polymer transducer
[AD-D014650] 11 p1696 N91-19341

BROWN, KAREN L.
The 1990 JANNAF Propulsion Meeting, volume 2
[CPIA-PUBL-550-VOL-2] 16 p2568 N91-24233
The 1990 JANNAF Propulsion Meeting, volume 1
[CPIA-PUBL-550-VOL-1] 16 p2575 N91-24273

BROWN, KENNETH G.
Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB]
13 p2048 N91-21270

BROWN, LORETTA M.
Source header list. Volume 1: A through K
[AD-A231000] 13 p2169 N91-21971
Source header list. Volume 2: L through Z
[AD-A231001] 13 p2169 N91-21972

BROWN, M. D.
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699

BROWN, M. JOHN
Thermal control surfaces experiment (S0069) initial materials evaluation
16 p2716 N91-25035

BROWN, MARCUS
Navigation in large information spaces represented as hypertext: A review of the literature
10 p1627 N91-18972

BROWN, MARK E.
Interference cancellation in RF signals using adaptive array techniques
[AD-A230587] 12 p1887 N91-20373

BROWN, N.
Degenerate Higgs and Z boson at LEP200
[RAL-90-059] 10 p1593 N91-18787
Jet cross sections at leading double logarithm in e+e- annihilation
[RAL-90-060] 10 p1593 N91-18788

BROWN, P. T.
Some recent applications of numerical methods to geotechnical analysis
[PB90-201229] 01 p0112 N91-10655

BROWN, R. A.
A strategy for recovery: Report of the HST Strategy Panel
[NASA-CR-187826] 10 p1615 N91-18911
NOx emission constraints on high-temperature processes
[PB91-136424] 16 p2654 N91-24682

BROWN, R. B.
Snow/rain collector sampler
[PB91-167601] 19 p3204 N91-27709

BROWN, R. C.
An on-line real-time system for fatigue crack growth monitoring
[DE91-007931] 11 p1722 N91-19483
Boron combustion model development with kinetic sensitivity analysis and measurement of key chemical rate parameters
[AD-A235309] 18 p2951 N91-26283

BROWN, R. D.
Gas engine durability improvement, volume 1
[PB91-136341] 17 p2782 N91-25394
BROWN, R. H.
Evidence for ammonium-bearing minerals in Ceres
11 p1821 N91-20004
Triton: A hot potato 11 p1821 N91-20005
Triton's global heat budget
[NASA-CR-188178] 14 p2354 N91-23018
BROWN, R. L.
Collaboration technology and space science
[NASA-CR-188861] 24 p4089 N91-32846
BROWN, RICHARD A.
Combustion experimentation handbook
[PB91-101923] 09 p1308 N91-17175
BROWN, RICHARD K.
Managing emerging technology: Case studies in document imaging systems
[AD-A227688] 08 p1241 N91-16839
BROWN, ROBERT A.
Progress in extra-solar planet detection
14 p2347 N91-22980
Planetary astronomy 24 p4120 N91-33027
Policy opportunities 24 p4120 N91-33029
BROWN, ROBERT HAMILTON
Infrared astronomy 24 p4119 N91-33019
Planetary astronomy 24 p4120 N91-33027
BROWN, ROBERT L.
Workshop on NASA workstation technology
[NASA-CR-188866] 24 p4081 N91-32800
BROWN, ROBERT M.
A preliminary ocean ARM (Atmospheric Radiation Measurements) guide for climatic evaluations
[DE91-001120] 05 p0685 N91-13811
BROWN, RON
Evaluation of potential damage to unconventional structures by sonic booms
[AD-A225029] 03 p0381 N91-12125
BROWN, RONALD E.
Antimatter gravity experiment
[DE91-000177] 02 p0283 N91-11590
BROWN, RUSSELL D.
An experimental demonstration of high-resolution Doppler processing
[AD-A228813] 08 p1129 N91-16208
BROWN, S.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
Report on the photogrammetric determination of the shape of a 10m diameter microwave antenna
[NPL-MOM-103] 24 p3983 N91-32248
BROWN, S. A.
Low-density, high-strength intermetallic matrix composites by XD (trademark) synthesis
[NASA-TM-103724] 11 p1675 N91-19233
Evaluation of the microstructure of Al-Cu-Li-Ag-Mg Weldalite (tm) alloys, part 4
[NASA-CR-4368] 16 p2599 N91-24404
Effect of a prior stretch on the aging response of an Al-Cu-Li-Ag-Mg-Zr alloy 16 p2600 N91-24407
Microstructural evolution during aging of an Al-Cu-Li-Ag-Mg-Zr alloy 16 p2600 N91-24408
BROWN, S. K.
Applications of neural networks to process control and modeling
[DE91-007389] 15 p2489 N91-23784
BROWN, S. R.
Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626
BROWN, TODD R.
A wind tunnel smoke generator
[NAE-LTR-LA-312] 21 p3461 N91-29195
BROWN, W. L.
Synthesis of H2 in dirty ice mantles by fast ion energy loss: New experimental results increase the relevance of this mechanism 06 p0898 N91-14962
BROWN, W. S.
Study of the CCCCS pressure field and its relation to circulation
[PB91-192617] 22 p3712 N91-30661
BROWN, WILLIAM CLAYTON
Probabilistic model for laser light propagation through a random water surface 22 p3682 N91-30501
BROWNE, J. C.
Strategic defense requirements for progressive applications
[DE91-009045] 13 p2145 N91-21816
Discrimination options in the near term
[DE91-009000] 13 p2146 N91-21818
BROWNELL, J. H.
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Computational simulations of plasma flow switches and imploding loads
[DE91-014768] 21 p3509 N91-29480
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955
BROWNER, RICHARD F.
Fundamental studies with a monodisperse aerosol-based liquid chromatography/mass spectrometry interface (MAGIC-LC/MS)
[DE90-010667] 08 p1108 N91-16083
Fundamental studies with a monodisperse aerosol-based Liquid Chromatography/Mass Spectrometry interface (MAGIC-LC/MS)
[DE91-004875] 10 p1496 N91-18233
BROWNING, R.
Reflection mask technology for soft x ray projection lithography
[DE91-012561] 20 p3405 N91-28877
BROWNING, S. R.
Analysis of the phoneme recognition performance of the ARM continuous speech recognition system
[RSRE-MEMO-4463] 22 p3664 N91-30401
BROWNLEE, D.
Exobiology in Earth orbit: The results of science workshops held at NASA, Ames Research Center
[NASA-SP-500] 06 p0856 N91-14725
BROWNLEE, DON E.
Preliminary results from the chemistry of micrometeoroid experiment (AO 187-1) 16 p2711 N91-25005
LDEF impact craters formed by carbon-rich impactors
16 p2712 N91-25008
BROWNLOW, MICHAEL
Analogue computation using VLSI neural network devices
[OUEL-1835/90] 06 p0864 N91-14773
BROYLE, JAMES W.
AEGIS status-display formats: Tradeoff studies
[AD-A236969] 19 p3215 N91-27771
BRUBAKER, KAYE L.
Atmospheric water vapor transport: Estimation of continental precipitation recycling and parameterization of a simple climate model
[NASA-CR-188647] 19 p3201 N91-27695
BRUBAKER, THOMAS
A fast algorithm for control and estimation using a polynomial state-space structure
14 p2226 N91-22312
BRUBAKK, ALF O.
Vascular gas bubbles or decompression sickness: What is the proper endpoint for evaluating decompression procedures 11 p1744 N91-19590
BRUCE, D. E.
High resolution spectroscopy of the 11.3 micron emission band 06 p0890 N91-14917
BRUCE, G. M.
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
BRUCE, W. E., JR.
National Transonic Facility status
16 p2550 N91-24133
BRUECK, S. R.
Optoelectronic Materials Center
[AD-A237663] 21 p3581 N91-29922
BRUECKNER, R.
Interfacial convection (TEXUS 1)
23 p3823 N91-31327
Interfacial convection (TEXUS 2)
23 p3823 N91-31328
Diffusion-induced interfacial convection (TEXUS 3)
23 p3824 N91-31329
Thermally induced interfacial convection (TEXUS 4)
23 p3824 N91-31330
Diffusion-induced interfacial convection (TEXUS 8)
23 p3824 N91-31331
Diffusion-induced interfacial convection (TEXUS 11)
23 p3824 N91-31332
BRUEL, C.
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191
BRUEMMER, RENATE
Astronaut training 14 p2332 N91-22885
BRUEMMER, S. M.
Deformation effects on the development of grain boundary chronium depletion (sensitization) in type 316 austenitic stainless steels
[DE90-016130] 02 p0195 N91-11092
Metastable phase formation in Be-Nb intermetallic compounds
[DE91-005617] 10 p1500 N91-18255
Temperature effects on the strength and toughness of Be12Nb
[DE91-010838] 16 p2602 N91-24419
Modeling irradiation-induced grain boundary segregation in stainless steels
[DE91-010157] 17 p2759 N91-25272
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-014862] 21 p3483 N91-29319
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-016949] 23 p3816 N91-31290
Irradiation-induced chromium depletion and its influence on integranular stress corrosion cracking of stainless steels
[DE91-017418] 24 p3976 N91-32212
BRUEMMER, STEPHEN M.
Strength and toughness of single-phase and dual-phase high-temperature intermetallics
[DE90-017192] 01 p0028 N91-10166
BRUESKE, STEPHEN L.
Forecasting atmospheric particulate sulfur concentrations using national weather service synoptic charts
[AD-A231634] 15 p2458 N91-23622
BRUGE, G.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842
BRUGEL, E. W.
The ultraviolet spectrum of HH 24A and its relation to optical spectra
[NASA-CR-188649] 19 p3264 N91-28051
BRUGEL, EDWARD W.
Preliminary interpretation of the Mg II variability of L2 Puppis 09 p1433 N91-17894
BRUGGMANN, G.
Berne solar observations: Solar data for January - June 1990
[REPT-57] 03 p0449 N91-12507
BRUGUIER, G.
Space radiation effects on power MOSFET: Threshold-voltage shift with dose rate
24 p4001 N91-32363
Laser heated calcium sulfate TLD plates: Application to radiation mapping 24 p4001 N91-32364
BRUHWEILER, F.
Hot interstellar gas and ionization of embedded clouds
05 p0746 N91-14161
BRUHWEILER, FREDERICK C.
A search for Beta Pictoris analogs
09 p1433 N91-17891
The very high rotators in the late-B and early-A stars: Shell stars with Si IV and C IV features the case of HD 119921 09 p1435 N91-17905
BRUIJS, WILLEM ELISABETH MARIA
Subcycling in transient finite element analysis
[ISBN-90-9003684-9] 11 p1784 N91-19790
BRUIN, H.
Some algorithms for the approximation of invariant tori
[W-9008] 10 p1574 N91-18662
BRUINSMA, PIET
Interpolation problems, extensions of symmetric operators and reproducing kernel spaces, 2
[W-9005] 10 p1585 N91-18738
BRULE, JAMES F.
Northeast Artificial Intelligence Consortium (NAIC). Volume 1: Executive summary
[AD-A234880] 18 p3045 N91-26815
BRUMBAUGH, RANDAL W.
A NASA/RAE cooperation in the development of a real-time knowledge-based autopilot
[NASA-TM-104234] 24 p4090 N91-32850
From an automated flight-test management system to a flight-test engineer's workstation
[NASA-TM-104242] 24 p4090 N91-32851
BRUMLEY, E. A.
Standardization of motion sickness induced by left-right and up-down reversing prisms 11 p1748 N91-19611
BRUMMEL, CHRISTOPHER L.
Evidence of vibrational mode-coupling in 2-fluorethanol via high resolution infrared spectroscopy in a molecular beam
[AD-A236132] 20 p3396 N91-28821
High resolution infrared spectroscopy of 2-fluorethanol in a molecular beam
[AD-A236149] 20 p3396 N91-28822
BRUNAIR, R. M.
Parametric study in weld mismatch of longitudinally welded SSME HPFTP inlet
[NASA-TM-103534] 15 p2437 N91-23502
BRUNDAGE, W. D.
Interagency telemetry arraying for Voyager-Neptune encounter 03 p0355 N91-11982

BRUNE, GERHARD
Simulation of distance-dependent functions in visual systems for training simulators using the z-buffer technique
[MBB-UA-1190-90-PUB] 23 p3798 N91-31186
BRUNEAU, CHARLES-HENRI
Three dimensional Euler equation solving on parallel machines
[ETN-91-99913] 23 p3869 N91-31583
BRUNER, ANNE M.
Active vibration absorber for CSI evolutionary model: Design and experimental results
[NASA-TM-104048] 13 p2104 N91-21578
BRUNER, J.
Technical Abstracts: Mechanical engineering
[DE90-014797] 01 p0135 N91-10802
BRUNET, JEAN-PIERRE
Measurements of proton upset induced in CMOS devices: Synthesis of CEA studies 24 p4000 N91-32356
Characterization of 256 Kbits SRAMs under californium 252 and protons irradiations 24 p4000 N91-32359
BRUNGART, T. A.
Large flat plate turbulent boundary layer evaluation
[AD-A225316] 03 p0366 N91-12051
A fluorescence technique for measurement of slot injected fluid concentration profiles in a turbulent boundary layer
[AD-A226122] 04 p0522 N91-12908
BRUNKER, SHANE A.
Investigation at two wavelengths of a modulated He-Xe rare gas laser
[AD-A229852] 11 p1713 N91-19434
A laser ECM and ESM facility
[AD-A236021] 19 p3108 N91-27170
BRUNNER, A.
Antenna subarrays and GaAs T/R modules for X-SAR on EOS 07 p0993 N91-15451
BRUNNER, B.
Multisensory telerobotic concepts for space and underwater applications 15 p2452 N91-23584
BRUNNER, BRIGITTE
Error ellipsoids with particular reference to position errors of interplanetary trajectories
[ETN-91-98791] 10 p1484 N91-18179
BRUNNER, K.
Bump examinations of integrally strengthened carbon fiber reinforced plastic panels
[MBB/FE281/CFK/PUB/0013] 08 p1107 N91-16076
BRUNNER, O.
Transient vibration testing of satellites 07 p0955 N91-15252
BRUNO, R.
Graphics software for the HP825/9000 IFSI system
[IFSI-89-18] 06 p0858 N91-14735
BRUNO, RONALD C.
The data distribution satellite system
[NASA-CR-187172] 23 p3856 N91-31499
BRUNS, KEVIN D.
Missile Datcom: User's manual
[AD-A237817] 21 p3452 N91-29148
BRUNSON, G. S.
Intrinsic neutron source strengths in uranium solutions
[DE91-016091] 23 p3925 N91-31933
BRUNTY, JOSEPH ANTHONY
A transient response analysis of the Space Shuttle vehicle during liftoff 09 p1294 N91-17111
BRUNZIE, T. J.
The Parkes front-end controller and noise-adding radiometer 03 p0355 N91-11983
BRUSASCO, R. M.
A high temperature, plasma-assisted chemical vapor deposition system
[DE91-000260] 04 p0506 N91-12809
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525
BRUTTIG, STEPHEN P.
Cold-induced changes in arterial sensitivity
[AD-A239493] 23 p3900 N91-31767
BRYAN, KURT
Numerical recovery of certain discontinuous electrical conductivities
[NASA-CR-187543] 13 p2143 N91-21800
A uniqueness result concerning the identification of a collection of cracks from finitely many electrostatic boundary measurements
[NASA-CR-187583] 22 p3722 N91-30712
BRYAN, R. P.
Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377
BRYAN, STEVEN R.
Application of backpropagation neural networks to phonetic element classification
[DE91-006144] 10 p1513 N91-18330
BRYAN, THOMAS C.
Evaluation of telerobotic systems using an instrumented task board 12 p1937 N91-20658
Standard remote manipulator system docking target augmentation for automated docking
[NASA-CASE-MFS-28419-1] 19 p3113 N91-27200
BRYANSTON-CROSS, P. J.
The application of Particle Image Velocimetry (PIV) in a short duration transonic annular turbine cascade
[AD-A236639] 20 p3341 N91-28504
BRYANT, DAVID M. T.
Dielectric image-resonator multiplexer
[PATENT-1-252-835] 23 p3853 N91-31479
BRYANT, GEORGE G.
Fatigue resistant optical fibers
[AD-A237568] 21 p3581 N91-29921
BRYANT, SAMUEL R.
Realistic orbits about the Martian moons
[AD-A230473] 12 p1851 N91-20172
BRYCE, J. D.
Unsteady viscous flow in a high speed core compressor
[RAE-TM-P-1198] 22 p3678 N91-30480
BRYDON, G. M.
An evaluation programme for the capability approval of GaAs MMICs 24 p3992 N91-32303
Component field failure data base 24 p4003 N91-32380
BRYNESTAD, J.
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
BRYSON, C. C.
Eddy current inspection of graphite fiber components
[NASA-TM-103514] 01 p0049 N91-10294
BRYSON, CRAIG C.
Second Conference on NDE for Aerospace Requirements
[NASA-CP-3091] 10 p1486 N91-18189
BRYSON, J. W.
Influence of crack depth on the fracture toughness of reactor pressure vessel steel
[DE91-012537] 20 p3360 N91-28611
BRYSON, R. J.
Space chambers contamination diagnostics and analysis
[AD-A230248] 12 p1851 N91-20174
BRZEZINSKI, J.
Antivibration isolation (a practical guidebook)
[CETIM-108220] 05 p0679 N91-13775
BSCHORR, OSKAR
A gradient microphone for locating sound targets
[MBB-Z-0341-90-PUB] 11 p1792 N91-19829
BU, JICHUN
Systematic design of regular VLSI processor arrays
[ETN-91-98482] 08 p1136 N91-16250
BU, XIN YA
Polymeric routes to silicon carbide and silicon oxycarbide CMC
[NASA-TM-104372] 18 p2943 N91-26234
BUBBTRAM, M. T.
Design and test of a continuous duty pulsed ac generator
[DE91-014664] 21 p3504 N91-29445
BUBE, R. H.
Ion-assisted doping of 2-6 compounds during physical vapor deposition
[DE90-000358] 01 p0128 N91-10756
BUBENHEIM, DAVID
CELSS research and development program 05 p0692 N91-13850
BUBENHEIM, DAVID L.
Environmental modification of yield and food composition of cowpea and leaf lettuce 23 p3902 N91-31777
The crop growth research chamber: A ground-based facility for CELSS research 23 p3904 N91-31792
BUBLITZ, P.
Experimental investigations of buffet excitation forces on a low aspect ratio trapezoidal half wing in incompressible flow 06 p0781 N91-14329
BUBSEY, RAYMOND T.
Analysis of some compliance calibration data for chevron-notch bar and rod specimens
[NASA-TM-104367] 14 p2277 N91-22594
BUCARO, JOSEPH A.
Planar fiber-optic interferometer acoustic sensor
[AD-D014922] 22 p3754 N91-30929
BUCCA, P. J.
A compendium of environmental data collected during the Iceshelf-88 exercise
[AD-A223518] 02 p0242 N91-11346
BUCCHERI, A.
Eta/gamma TOF discrimination in NaI/Tl and for heavy ion experiments
[NOTA-INTERNA-956] 12 p1978 N91-20883
BUCHACKER, E.
Development of MIL-8785C into a handling qualities specification for a new European fighter aircraft 15 p2370 N91-23114
BUCHANAN, C. D.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836
BUCHANAN, H. R.
Modeling preparation costs for space missions by using major cost drivers 24 p3988 N91-32279
BUCHANAN, J. A.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
BUCHANAN, M. V.
Screening volatile organics by direct sampling ion trap and glow discharge mass spectrometry
[DE91-007708] 11 p1680 N91-19258
Applications and current limitations of matrix-assisted laser desorption Fourier transform mass spectrometry for biomolecules
[DE91-008877] 13 p2047 N91-21265
Rapid determination of drugs and semivolatile organics by direct thermal desorption ion trap mass spectrometry
[DE91-008885] 13 p2050 N91-21278
BUCHANAN, MICHELLE
Matrix-assisted laser desorption Fourier transform mass spectrometry for biological compounds
[DE91-000393] 04 p0529 N91-12935
BUCHANAN, MICHELLE V.
Determination of airborne organics by direct sampling mass spectrometry
[DE90-009422] 08 p1172 N91-16452
BUCHANAN, R. A.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002867] 06 p0808 N91-14461
Aqueous corrosion characteristics and corrosion-related cracking susceptibilities of Fe3Al-type iron aluminides
[DE91-013028] 20 p3316 N91-28358
BUCHENAUER, D.
Recent gaseous divertor experiments in DIII-D
[DE91-011139] 17 p2867 N91-25859
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
BUCHHEIT, R. G.
Stress corrosion cracking of Al-Li-Cu-Zr alloy 2090 in aqueous Cl(-) and mixed CO3(2-)/Cl(-) environments
[DE91-007064] 11 p1682 N91-19269
BUCHHEIT, R. G., JR.
The role of anodic dissolution in the stress corrosion cracking of Al-Li-Cu alloy 2090
[DE91-016403] 24 p3977 N91-32219
BUCHHOLTZ, BRENT
Mars manned fusion spaceship
[NASA-CR-188215] 15 p2390 N91-23232
BUCHMAN, DONALD
Intrepid: A mission to Pluto 08 p1101 N91-16047
BUCHMANN, L.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
BUCHOLZ, ROGER
Test report for photonic sensors used in electric field measurement of simulated electromagnetic pulses
[AD-A231597] 13 p2074 N91-21422
BUCHROITHNER, MANFRED F.
Geological applications of space SAR data 04 p0540 N91-12996
BUCHWALD, M.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
BUCK, ALLAN C.
Investigation of a bent wire chiral: Electromagnetic scattering
[AD-A226218] 04 p0515 N91-12867
BUCK, F.
Functional baseline specification for ATC data link service implementation in the host computer system
[DOT/FAA/CT-91/12] 18 p2976 N91-26433
BUCK, FRANK
Controller evaluation of initial data link en route air traffic control services: Mini study 3
[DOT/FAA/CT-91/11] 19 p3149 N91-27404
BUCK, M. E.
Processing experiments for development of high-efficiency silicon solar cells
[DE91-002698] 06 p0841 N91-14645
BUCK, O.
Deducing mechanical properties due to interfaces from their acoustical response
[DE90-016704] 02 p0221 N91-11234
Fatigue crack characterization by ultrasonic inspection
[DE90-017252] 02 p0226 N91-11264

Characterizing closure asperities by ultrasonic measurements
[DE90-016709] 04 p0535 N91-12967
Internal friction peaks due to interstitials in bcc alloys
[DE91-007411] 11 p1683 N91-19272
Ultrasonic characterization of fatigue crack closure
[DE91-015161] 23 p3886 N91-31688

BUCK, REINER
Carbon dioxide reforming of methane in a solar volume-TRIC receiver-reactor: The CAESAR (Catalytically Enhanced Solar Absorption Receiver) project
[DE91-002340] 05 p0683 N91-13800
Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish
[DE91-005054] 10 p1544 N91-18497

BUCK, WARREN W.
Kaon-nucleus scattering 19 p3270 N91-28086
Progress in proton transport code development: Microelectronic application 19 p3275 N91-28114

BUCKINGHAM, A. C.
Shockwave considerations for sub-grid closure modeling in turbulent large eddy simulations
[DE91-015142] 21 p3513 N91-29506

BUCKINGHAM, JANET P.
Field demonstration of aviation turbine fuel MIL-T-83133C, grade JP-8 (NATO code F-34) at Fort Bliss, TX
[AD-A233441] 16 p2611 N91-24458

BUCKINGHAM, RONALD
Study of space qualification specifications
[CTN-91-60201] 23 p3801 N91-31199

BUCKLEY, JOHN D.
Rapid induction bonding of composites, plastics, and metals 14 p2359 N91-23049
Method of preforming and assembling superconducting circuit elements
[NASA-CASE-LAR-14395-1-CU] 20 p3339 N91-28490

BUCKLEY, P. L.
The development of a liquid fueled gas generator for ducted rocket research 16 p2579 N91-24295

BUCKLEY, W. M.
The intelligent database: Using INGRES to manage the external analysis of your data
[DE91-010465] 15 p2524 N91-23986

BUCKLEY, WILLIAM H.
Analysis of wave characteristics in extreme seas
[AD-A234538] 18 p3017 N91-26660

BUCKMANN, P. S.
Orbital transfer vehicle oxygen turbopump technology. Volume 2: Nitrogen and ambient oxygen testing
[NASA-CR-185262] 07 p0966 N91-15307
Orbital transfer vehicle oxygen turbopump technology. Volume 1: Design, fabrication, and hydrostatic bearing testing
[NASA-CR-185175] 11 p1665 N91-19174

BUCKMASTER, JOHN
The structure and stability of three dimensional detonation waves
[AD-A224465] 02 p0208 N91-11164

BUCZKOWSKI, A.
EBIC (Electron Beam Induced Current) contrast of clean, decorated and deuterium passivated Si(Ge) epitaxial misfit dislocations
[DE91-006967] 13 p2160 N91-21912

BUDA, F.
Theory of structure and properties of hydrogenated amorphous silicon
[DE91-009353] 13 p2056 N91-21315

BUDAI, J. D.
Growth and transport properties of Y-Ba-Cu-O/Pr-Ba-Cu-O superlattices
[DE91-000721] 07 p1070 N91-15889
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788
Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015632] 23 p3931 N91-31969

BUDEN, D.
Power system requirements and selection for the space exploration initiative
[DE91-016707] 24 p3964 N91-32150

BUDEN, DAVID
Design reliability engineering
[DE91-001949] 05 p0673 N91-13744
SP-100 from ground demonstration to flight validation
[DE91-001869] 05 p0714 N91-13986
Unique features of space reactors
[DE91-001910] 05 p0714 N91-13987
Atoms for space
[DE91-006294] 09 p1286 N91-17072

BUDGE, KENT GRIMMETT
A non-LTE analysis of a sample of O stars selected from galactic OB associations 08 p1244 N91-16854

BUDGEN, DAVID
Introduction to software design
[AD-A236118] 19 p3227 N91-27840

BUDHANI, R.
Magnetically measured irreversibility temperatures in superconducting oxides and alloys
[DE91-016895] 24 p4110 N91-32972

BUDHANI, R. C.
Magnetic field induced broadening of the resistive transition in epitaxial films of YBa2Cu3O7 and Y2Ba4Cu8O16
[DE91-009825] 13 p2161 N91-21916

BUDHIRAJA, NAVIN
Derivation of sequential, real-time, process-control programs
[NASA-CR-185433] 19 p3218 N91-27785

BUDILOVICH, N.
RELICT 2 project: Scientific program and structure 13 p2174 N91-21998

BUDINGER, J. M.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405

BUDINGER, JAMES M.
Combinatorial FSK modulation for power-efficient high-rate communications
[NASA-TM-105188] 21 p3497 N91-29404

BUDLONG, A.
Measurement of electric field strength near higher powered personal transceivers
[PB91-107268] 09 p1326 N91-17280

BUDNICK, E. K.
Manual fire suppression methods on typical machinery space spray fires
[AD-A225311] 03 p0349 N91-11950

BUDNICK, J. I.
Flux dynamics in a single crystal of Bi2Sr2CaCu2O(x)
[DE91-013763] 20 p3431 N91-29036

BUDURKA, WILLIAM J.
International program summary 24 p3955 N91-32098

BUDZIEN, S. A.
IUE observations of comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko 12 p2003 N91-21024
IUE observations of comet Austin (1989c1) 12 p2003 N91-21025

BUECHER, ROGER W.
System for limiting snap load intensity
[AD-D014730] 12 p1906 N91-20488

BUECHLER, DENNIS
Global lightning studies 24 p4057 N91-32667

BUECHNER, J.
Energetic particles in the Earth's magnetotail or: Cluster and Regatta as a dispersiometer 01 p0072 N91-10434

BUECHNER, KLAUS
Silicon ceramics with a dash of boron
[AD-A236410] 19 p3142 N91-27363

BUECKER, H.
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF 16 p2725 N91-25096

BUEHLER, CHRISTIAN
Regulation of a direct drive robot axle, taking as an example a six axle industrial robot
[ETN-91-98495] 07 p1010 N91-15548

BUEHLER, M. G.
Test chips and ASIC qualification 24 p3995 N91-32327

BUEHLER, MARTIN G.
Asymmetric soft-error resistant memory
[NASA-CASE-NPO-17394-1-CU] 23 p3907 N91-31810

BUEHRING, W. A.
Evaluating the environmental impacts of the energy system: The ENPEP (Energy and Power Evaluation Program) approach
[DE90-017862] 02 p0234 N91-11309

BUEKER, RICHARD
ATLS-stowage and deployment testing of medical supplies and pharmaceuticals 24 p4079 N91-32785

BUELL, JOHN
The Software Management Environment (SME) 01 p0105 N91-10609

BUELOW, STEVEN J.
Destruction of propellant components in supercritical water
[DE90-010600] 08 p1108 N91-16085

BUENOBUCCI, ELIANA FRANCO
Method of selection of TM/LANDSAT color composition for analysis of land use classes
[INPE-5119-TDL/421] 05 p0680 N91-13783

BUESKING, KENT W.
Structural development of micro-structurally toughened metal matrix composites
[AD-A226060] 04 p0497 N91-12762

BUFFUM, DANIEL H.
Wind tunnel wall effects in a linear oscillating cascade
[NASA-TM-103690] 11 p1650 N91-19098

BUFFUM, DANIEL HAVENS
Aerodynamics of a linear oscillating cascade 09 p1273 N91-16997

BUFTON, JACK L.
High-resolution measurements of surface topography with airborne laser altimetry and the global positioning system 17 p2795 N91-25462
The remotely piloted vehicle as an earth science research aircraft 17 p2799 N91-25484
Visible and near infrared observation on the Global Aerosol Backscatter Experiment (GLOBE) 17 p2799 N91-25486

BUGBEE, BRUCE
Exploring the limits of crop productivity: A model to evaluate progress 23 p3901 N91-31776

BUGEAT, L. P.
A survey of finite element model updating methods 07 p0956 N91-15259

BUGG, CHARLES E.
Hanging drop crystal growth apparatus
[NASA-CASE-MFS-26061-1] 08 p1236 N91-16815

BUGG, W. M.
Elementary particle interactions
[DE91-001220] 05 p0713 N91-13979

BUGGA, RATNAKUMAR V.
Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU] 06 p0821 N91-14536
Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU] 06 p0821 N91-14538
Metal chloride cathode for a battery
[NASA-CASE-NPO-17809-1-CU] 19 p3161 N91-27478

BUGLIA, JAMES J.
Satellite orbit considerations for a global change technology architecture trade study
[NASA-TM-104081] 17 p2815 N91-25557

BUGROV, S. A.
Review of primary medical results of year-long flight on Mir station 18 p2933 N91-26178
Survey of the principal results of medical research in the flight program of the second main expedition aboard the Mir orbiting complex 18 p3022 N91-26686

BUGROVA, A. I.
Near-wall conductivity 23 p3927 N91-31944

BUHL, PETER
A multichannel seismic investigation of variations in crustal structure in the western North Atlantic
[AD-A235245] 18 p3012 N91-26634

BUHL, R. A.
A multifunction ion-irradiation/surface modification ultrahigh vacuum chamber system
[DE91-016819] 23 p3799 N91-31190

BUHRMAN, ROBERT A.
Superconducting materials and devices
[AD-A228950] 09 p1412 N91-17774
Ultra-high frequency superconductive devices
[AD-A236795] 20 p3337 N91-28478

BUI, JAMES
Estimating fixed and variable costs of airframe manufacturers
[AD-A232661] 15 p2363 N91-23077

BUI, T. PAUL
The NASA-ER2 meteorological measurement system: Instrumentaion, calibration and intercomparison results 14 p2289 N91-22658
Calibration of the ER-2 meteorological measurement system 17 p2793 N91-25453
Applications of the ER-2 meteorological measurement system 17 p2794 N91-25457

BUICAN, ILEANA
International English
[DE90-016719] 02 p0284 N91-11601

BUIJS, A.
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836

BUIJSEN, F. A.
Computer graphics for fluid flow analysis in CAE
[NLR-TP-89029-U] 22 p3679 N91-30484

BUISSON, F.
An active telescope for the sub-millimetre PRONAOS balloon-borne project 13 p2179 N91-22038

BUISSON, J.
Measurements of proton upset induced in CMOS devices: Synthesis of CEA studies 24 p4000 N91-32356

BUISSON, JACQUES
Characterization of 256 Kbits SRAMs under californium 252 and protons irradiations 24 p4000 N91-32359

BUITEN, H. J.
Analysis of IRIS and VARAN-S image data, automated geometrical processing, and data extraction
[BCRS-89-37] 03 p0358 N91-12005
BUITEVELD, H.
An optical multichannel analyser based large volume reflectometer
[BCRS-90-37] 24 p4020 N91-32469
BUJA, LAWRENCE EDWARD
The evolution and time scales of the atmospheric response to tropical diabatic heating events
02 p0237 N91-11322
BUKHRES, OMRAN ABDUSSALAM
Performance evaluation for deadlock detection in distributed database systems 07 p1076 N91-15921
BUKIN, A. D.
Correlations of pseudo-random numbers of multiplicative sequence
[DE91-615076] 11 p1784 N91-19788
BUKSA, J. J.
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
BULA, R. J.
Technology for subsystems of space-based plant growth facilities 23 p3905 N91-31799
BULL, S. J.
The hardness and elastic modulus of TiN films as determined by ultra-low load indentation
[DE91-006336] 09 p1315 N91-17219
BULLARD, D.
Cold plasma processing of local planetary ores for oxygen and metallurgically important metals
16 p2593 N91-24369
Cold plasma processing of local planetary ores for oxygen and metallurgically important metals
17 p2751 N91-25225
BULLARD, RANDY
Integrated flight/propulsion control system design based on a decentralized, hierarchical approach
[NASA-TM-103678] 13 p2025 N91-21137
BULLER, J. F.
A radiation hardened SONOS/CMOS EEPROM family
[DE90-015993] 02 p0206 N91-11154
BULLOCK, C. K.
Laser obstacle and cable update sensor
07 p0943 N91-15169
BULLOCK, ELLEN PARKER
Span reduction effects on the flutter characteristics of arrow-wing supersonic transport configurations
[NASA-TP-3077] 13 p2023 N91-21127
BULLOCK, J. S., IV
Initial calorimetry experiments in the Physics Divsion, ORNL (Oak Ridge National Laboratory)
[DE90-010301] 08 p1226 N91-16756
BULLOCK, J. W.
Aircraft measurements of electrified clouds at Kennedy Space Center, part 3
[NASA-CR-186964] 04 p0548 N91-13039
Aircraft measurements of electrified clouds at Kennedy Space Center
[NASA-CR-186536] 06 p0848 N91-14680
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 1: 1988 flights
06 p0848 N91-14681
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 2: Case study: 4 November 1988 (88309) 06 p0848 N91-14682
BULLOCK, O.
Regional oxidant model user's guide. Part 1: The ROM preprocessors
[PB91-171926] 20 p3369 N91-28665
Regional oxidant model user's guide. Part 2: The ROM processor network
[PB91-171934] 20 p3369 N91-28666
BULLOCK, S. RAY
Medium power hydrogen arcjet performance
[NASA-TM-104533] 23 p3804 N91-31216
BULLOUGH, R.
A review of theoretical and experimental work on the structure of Ge(x)Si(1-x) strained layers and superlattices with extensive bibliography
[AERE-R-13657] 14 p2329 N91-22870
BULTMAN, N. K.
E-beam accelerator cavity development for the ground-based free electron laser
[DE91-013760] 20 p3352 N91-28563
BULZAN, DANIEL L.
Measurements and predictions of a liquid spray from an air-assist nozzle
[NASA-TM-103640] 05 p0623 N91-13455
BUMA, MARC
Model calculations for a pushbroom stereo camera: The case of the Mars 94 High Resolution Stereo Camera (HRSC)
[DLR-FB-90-57] 24 p4020 N91-32468
BUMBA, W.
Isokinetic force velocity and electromyographic characteristic of knee and elbow extensor and flexor muscles in the 0-g environment
11 p1743 N91-19584
BUMPAS, STANLEY E.
Use of dome (meniscus) lenses to eliminate birefringence and tensile stresses in spatial filters for the Nova laser
[DE91-002784] 05 p0667 N91-13707
BUNCH, T. E.
LDEF impact craters formed by carbon-rich impactors
16 p2712 N91-25008
BUNDICK, W. THOMAS
Development of an adaptive failure detection and identification system for detecting aircraft control element failures
[NASA-TP-3051] 17 p2737 N91-25151
BUNGAY, H. R.
Aerobic production of ethanol
[PB91-119172] 13 p2057 N91-21324
BUNGE, HANS JOACHIM
The influence of the texture of Al2O3 substrates on the fracture behavior under thermal loading
05 p0639 N91-13543
BUNING, P. G.
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
BUNKER, S. N.
Wear measurement of ceramic bearings in gas turbines
[AD-A227505] 08 p1159 N91-16382
Buried silicide interconnections with bonded wafers
[AD-A231884] 14 p2240 N91-22391
BUNKER, SUSAN S.
Numerical simulations of the mountain iron tracer data
[DE90-009749] 08 p1181 N91-16499
BUNNELL, L. R.
Simple stressed-skin composites using paper reinforcement
[DE91-005610] 10 p1494 N91-18226
BUNNEY, L. E.
Detection of targets in terrain clutter by using multispectral infrared image processing
[AD-A237436] 21 p3499 N91-29414
BUNT, ALBERT-JAN
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169
BUNT, L.
Cerebral-body perfusion model
[AD-A227851] 07 p1036 N91-15683
BUNTE, STEVEN W.
Temperature measurements of ET plasmas using atomic emission spectroscopy
[AD-A232498] 15 p2513 N91-23930
BUONANNO, GIACOMO
A new timed Petri net model for hardware representation
[REPT-90-064] 22 p3730 N91-30768
BUONANNO, M. A.
Corrosion of graphite aluminum metal matrix composites
[AD-A234322] 18 p2941 N91-26220
BURATTI, B. J.
CCD photometry of 2060 Chiron, 1991 January
17 p2892 N91-25987
BURATTI, P.
Protoflight approach to LAGEOS 2 environmental test campaign 07 p0950 N91-15213
BURBECK, CHRISTINA A.
Spatiotemporal characteristics of visual localization
[AD-A232734] 15 p2477 N91-23715
BURBIDGE, E. MARGARET
Detection of a z=0.0515, 0.0522 absorption system in the QSO S4 0248+430 due to an intervening galaxy
05 p0761 N91-14228
BURBIDGE, GEOFFREY
The microwave background: Its smoothness and frequency distribution as an astrophysical product
13 p2173 N91-21992
Policy opportunities 24 p4120 N91-33029
Status of the profession 24 p4121 N91-33031
BURCAT, ALEXANDER
Shock tube ignition of isomers of octane
[DE90-005991] 09 p1305 N91-17161
BURCH, I. A.
Effects of notch geometry and moisture on fracture strength of carbon/epoxy and carbon/bismaleimide laminates
[AD-A231892] 14 p2240 N91-22392
BURCHAM, F. W., JR.
A preliminary investigation of the use of throttles for emergency flight control
[NASA-TM-4320] 22 p3618 N91-30130
BURCHAM, FRANK W., JR.
Integrated flight-propulsion control concepts for supersonic transport airplanes
[NASA-TM-101728] 05 p0624 N91-13460
Controlling crippled aircraft-with throttles
[NASA-TM-104238] 21 p3460 N91-29191
A simulation evaluation of a four-engine jet transport using engine thrust modulation for flightpath control
[NASA-TM-4324] 21 p3461 N91-29194
BURCHELL, T. D.
Investigation into the effect of heat treatment on the thermal conductivity of 3-D carbon/carbon fiber composites
[DE91-010388] 18 p2944 N91-26240
The effects of neutron irradiation on the structure of carbon-carbon composites
[DE91-010135] 19 p3117 N91-27222
BURCHELL, TIMOTHY D.
Critical topics of plasma facing materials/plasma facing component data for the next step fusion devices
[DE91-005987] 09 p1406 N91-17740
BURCHETT, S. N.
Residual stresses in metal/ceramic brazes: Effect of creep on finite element analysis results
[DE91-011233] 18 p3000 N91-26570
BURD, H. J.
A novel isoparametric finite element displacement formulation for axisymmetric analysis of nearly incompressible materials
[OUEL-1872/91] 11 p1784 N91-19791
BURDICK, J.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296
BURDICK, L. J.
Resolution of the pP paradox at Novaya Zemlya
[AD-A235959] 19 p3236 N91-27892
BUREL, F.
Guidnace simulation model of antisea-skimmer utilization for weapon system definition
05 p0620 N91-13438
BURENIN, A. A.
Solution of one-dimensional problem in nonlinear theory of elasticity with structured shock wave
11 p1788 N91-19809
BURES, M.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886
BURESCH, I.
Residual stresses in Al2O3: Comparison between electromechanical measurements and finite element method calculations 05 p0639 N91-13545
BURGARDT, P.
Penetration in GTA welding
[DE90-008971] 02 p0217 N91-11213
BURGDOERFER, J.
Electronic excitations in fast ion-solid collisions
[DE91-000736] 07 p1071 N91-15890
BURGDOERFER, JOACHIM
Convoy electrons
[DE90-011381] 09 p1394 N91-17672
BURGDORF, KENNETH
Scientific and engineering research facilities at universities and colleges, 1990
[PB90-272006] 09 p1424 N91-17837
BURGE, P. L.
Fuselage shell and cavity response measurements on a DC-9 test section
[NASA-CR-187557] 23 p3924 N91-31926
BURGE, R.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
BURGER, A.
Purification, growth, and characterization of Zn(x)Cd(1-x)Se crystals 19 p3270 N91-28089
Optical diagnostics of mercuric iodide crystal growth
[DE91-017396] 24 p4112 N91-32983
BURGER, CHRISTIAN P.
On-line quantitative nondestructive evaluation and characterization of tough ceramics at operating temperatures (DURIP)
[AD-A224730] 03 p0344 N91-11924
BURGER, D. R.
Photovoltaic array space power plus diagnostics experiment
[NASA-CR-188672] 19 p3115 N91-27210
BURGER, E. H.
Hypergravity and bone mineralization
11 p1754 N91-19650
BURGER, M.
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929
BURGERS, GERRIT
A guide to the Nedwam wave model
[KNMI-WR-90-04] 15 p2471 N91-23688

BURGESS, C. A. R.
The application of aero gas turbine engine monitoring systems to military aircraft
[ETN-91-98852] 11 p1650 N91-19096
BURGESS, D. W.
DOPLIGHT 1987 project summary
[PB90-253584] 05 p0689 N91-13834
Optimisation of operational workload levels using neurophysiological and cognitive techniques
08 p1193 N91-16560
BURGESS, MALCOLM
Traffic Alert and Collision Avoidance System (TCAS): Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[NASA-TM-104956] 14 p2191 N91-22102
Traffic Alert and Collision Avoidance System (TCAS). Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[AD-A236109] 19 p3104 N91-27147
BURGESS, R. M.
Progress in GaAs/CuInSe2 tandem junction solar cells
11 p1667 N91-19190
GaAs (AlGaAs)/CuInSe2 tandem solar cells. Technology status and future directions
22 p3633 N91-30217
BURGETT, WILLIAM STANLEY
The calculation of correlation functions in the statistical theory of turbulent flows 02 p0210 N91-11176
BURGIN, ROBERT EDWARD
Improved syntactic disambiguation in the FASIT automatic indexing environment
11 p1813 N91-19956
BURGIO, CLAUDE
The Eutelsat 2 programme
[REPT-911-440-108] 15 p2389 N91-23223
BURGMAN, H. A.
Advanced study in solid transport: Rheological behavior of dense suspension
[DE91-009428] 18 p2982 N91-26467
BURIAN, KARL M.
Productivity and photosynthesis of selected crop plants under orbital light conditions: An approach to solar powered CELSS 11 p1756 N91-19662
BURK, STEPHEN D.
Investigation of boundary layer modification during GUFMEX
[AD-A236744] 19 p3206 N91-27719
BURKE, A. F.
Application of the GSFUDS to advanced batteries and vehicles
[DE91-006116] 10 p1518 N91-18358
Evaluation of pulse power devices in electric vehicle propulsion systems
[DE91-006117] 10 p1518 N91-18359
Simulation of electric vehicles with hybrid power systems
[DE91-006118] 10 p1518 N91-18360
BURKE, BERNARD F.
Interferometry 24 p4119 N91-33022
Policy opportunities 24 p4120 N91-33029
BURKE, E. W.
Energy generation by a shock crossing a perturbed interface
[DE91-015678] 21 p3517 N91-29530
BURKE, EDWARD A.
Dosimetry for microelectronics
[AD-A235601] 19 p3157 N91-27454
BURKE, EDWARD J.
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 1
[AD-A232289] 15 p2414 N91-23369
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 2
[AD-A232290] 15 p2414 N91-23370
Decentralized computing technology for fault-tolerant, survivable C3I systems. Volume 3: System/subsystem specification
[AD-A232291] 15 p2414 N91-23371
BURKE, EUGENE F.
An annotated bibliography of the aircrew selection literature
[AD-A230484] 12 p1931 N91-20627
BURKE, G. J.
Numerical modeling of HF skywave radiation from antennas in irregular terrain
[DE91-007115] 10 p1515 N91-18343
Low-frequency computational electromagnetics for antenna analysis
[DE91-007384] 10 p1516 N91-18345
Evaluation of modified log-periodic antennas for transmission of wide-band pulses
[DE91-008455] 12 p1889 N91-20387
Evaluation of modified log-periodic antennas for pulse transmission
[DE91-011775] 17 p2767 N91-25314
BURKE, J. D.
An ISU study of asteroid mining
17 p2907 N91-26054
BURKE, M. G.
Precipitation in Alloy 718: A combined AEM and APFIM investigation
[DE91-009918] 18 p2956 N91-26314
BURKE, MICHAEL J.
Meteorological instrumentation support for an adverse weather test facility
[AD-A236605] 20 p3375 N91-28696
BURKE, T.
Physics and applications of the lock-on effect
[DE91-014670] 21 p3504 N91-29446
BURKE, THOMAS G.
Evaluation of liposome-encapsulated Hemoglobin/LR16 formulation as a potential blood substitute
[AD-A233973] 18 p3028 N91-26714
BURKE, THOMAS J.
Coding manual for the US Army aviation epidemiology data register
[AD-A231885] 14 p2299 N91-22706
BURKE, W. R.
Space Applications of Advanced Structural Materials
[ESA-SP-303] 03 p0326 N91-11812
Feasibility of in-orbit testing of inflatable antennas with celestial sources
[ESA-STM-243] 10 p1514 N91-18333
Ground Data Systems for Spacecraft Control
[ESA-SP-308] 14 p2208 N91-22189
Benchmarking of compilers and processors for space embedded real-time systems
[ESA-STR-233] 22 p3723 N91-30722
The physics and instrumentation of passive atmospheric sounding: A review of the methods of remote sensing of temperature and moisture in the Earth's lower atmosphere
[ESA-STR-231] 24 p4044 N91-32597
BURKE, WILLIAM J.
Planning for coordinated space and ground-based ionospheric modification experiments
10 p1552 N91-18535
Ionospheric heating for radiation belt control
10 p1552 N91-18538
BURKEPILE, J. T.
A catalogue of mass ejections observed by the solar maximum mission coronagraph
[PB90-265166] 09 p1449 N91-17996
BURKERT, ANDREAS MICHAEL
Formation and development of elliptical and dwarf galaxies
[ETN-91-98492] 08 p1265 N91-16967
BURKERT, VOLKER
Polarization phenomena in electromagnetic interactions at intermediate energies
[DE91-005095] 07 p0995 N91-15459
BURKES, T. R.
A hybrid pulse forming technique
[DE90-016860] 02 p0207 N91-11156
BURKETT, M. W.
Stress fields generated by kinetic energy projectile interaction with ceramic targets
[DE91-013687] 20 p3362 N91-28625
BURKHARDT, EDWARD E.
Precise frequency calibration using television video carriers 17 p2853 N91-25772
BURKS, DAVID H.
Space physics missions handbook
[NASA-TM-104941] 14 p2205 N91-22183
BURLACSKOVA, N.
Neurological findings after 72 hours water immersion
11 p1745 N91-19597
BURLATON, J. P.
Continuous 24 hour ECG study, on ground and in flight, of 19 Mirage 2000 pilots stationed at the Dijon airbase (France). Comparison with similar recordings taken on other types of fighter aircraft or in operationally different conditions
[ETN-91-99973] 23 p3899 N91-31761
BURLATSCHKOWA, N.
Is physiological tremor (microvibration) influenced by microgravity 11 p1745 N91-19595
BURLESON, THOMAS H.
Guide to Canadian aerospace-related industries
[AD-A230151] 12 p1880 N91-20332
BURLEY, JAMES R., II
Parametric study of afterbody/nozzle drag on twin two-dimensional convergent-divergent nozzles at Mach numbers from 0.60 to 1.20
[NASA-TP-2640] 06 p0778 N91-14316
BURLEY, RICHARD R.
High alpha inlets 12 p1836 N91-20091
BURLUKA, O.
Limited current capabilities for cosmonaut rescue
18 p2933 N91-26179
BURMESTER, C. P.
In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783
Experimental and theoretical characterization of the YBa2Cu3O7 / YBa2Cu4O8 phase transformation
[DE90-015309] 14 p2330 N91-22871
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958
BURNARD, DAVID JAMES
Continuum radiative transfer in accretion-powered pulsars 06 p0915 N91-15043
BURNE, WILLIAM K.
A modulated high-power optical source specification
[AD-D014654] 11 p1798 N91-19869
BURNETT, J. W.
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
BURNETT, T. H.
Elementary particle physics: Experimental
[DE91-005574] 09 p1395 N91-17679
BURNHAM, ALAN K.
Energy and technology review, July-August, 1990
[DE91-000482] 04 p0611 N91-13397
Energy and Technology Review, March 1990
[DE90-008230] 08 p1269 N91-16985
BURNS, D. H.
Fourier transform infrared and Raman spectroscopic characterization of homogeneous solution concentration gradients near a container wall at different temperatures
[NASA-CR-188541] 17 p2756 N91-25254
BURNS, DONNA J.
An advanced screening model for complex terrain applications
[PB91-162693] 19 p3188 N91-27631
BURNS, F. C.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461
BURNS, FORREST
Charged particle activation studies on the surface of LDEF spacecraft 16 p2708 N91-24987
BURNS, J. E.
Intercomparison of standards of absorbed dose between the USSR and the UK
[NPL-RSA(EXT)-17] 24 p4094 N91-32874
BURNS, JOHN A.
Optimal control of lift/drag ratios on a rotating cylinder
[NASA-CR-187586] 19 p3163 N91-27490
BURNS, KAREN S.
An investigation of microstructural characteristics of contact-lens polymers
[NASA-TP-3034] 05 p0630 N91-13492
BURNS, R. G.
Evolution of ore deposits on terrestrial planets
17 p2910 N91-26067
BURNS, RICHARD P.
Evaluation of solid lubricants: The chemistry of sputtered MoSx films using combined thin film analysis techniques
[AD-A226134] 04 p0507 N91-12818
BURNS, THOMAS J.
A compact optical associative memory using dynamic holographic storage media and photorefractive gain and attenuation elements
[AD-A230661] 12 p1953 N91-20745
BURNSIDE, O. H.
An approximate methods approach to probabilistic structural analysis 16 p2585 N91-24328
BURNSIDE, W. D.
Modelling and performance analysis of four and eight element TCAS
[NASA-CR-187414] 05 p0618 N91-13428
A system for the real-time display of radar and video images of targets
[NASA-CR-188058] 13 p2069 N91-21394
Three dimensional scattering center imaging techniques
[NASA-CR-188012] 14 p2255 N91-22472
BURR, DEBORAH
Confidence bands for the median survival time as a function of the covariates in the Cox model
[AD-A237626] 21 p3568 N91-29835
BURR, R.
Sleep logs: Measurement of individual and operational efficiency
[AD-A239774] 23 p3900 N91-31770
BURR, R. E.
Sustaining health and performance in the desert: Environmental medicine guidance for operations in Southwest Asia
[AD-A229643] 12 p1929 N91-20616

BURR, RALPH G.
Effect of a passive cooling vest on tension/anxiety and fatigue in a high heat and high humidity naval environment
[AD-A234657] 18 p3035 N91-26755
BURRAHM, R. W.
Gas engine durability improvement, volume 1
[PB91-136341] 17 p2782 N91-25394
BURRELL, K. H.
High spatial and temporal resolution visible spectroscopy of the plasma edge in DIII-D
[DE91-002718] 05 p0721 N91-14023
Motional Stark effect polarimetry for the current profile diagnostic in D3-D
[DE90-012071] 08 p1229 N91-16773
Spectroscopic study of edge poloidal rotation and radial electric fields in the DIII-D tokamak
[DE91-002706] 09 p1401 N91-17710
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888
BURRIS, JOHN E.
Science, medicine and animals
[ISBN-0-309-04439-1] 13 p2125 N91-21697
BURRIS, R.
Laboratory simulation of high-altitude disruptive effects 10 p1553 N91-18542
BURROUGHES, JEREMY HENLY
Field effect transistors
[EP-PATENT-0-298-628-A2] 09 p1325 N91-17278
BURROUGHS, C. B.
A theoretical analysis of airborne sound transfer from resiliently mounted machine to its foundation
[AD-A226487] 04 p0580 N91-13230
The wavenumber-frequency filtering characteristics of compliant layers
[AD-A234768] 18 p2999 N91-26561
Acoustic radiation from fluid-loaded, ribbed cylindrical shells excited by different types of concentrated mechanical drives
[AD-A235324] 18 p3057 N91-26887
BURROUGHS, M.
Digital beamforming and pulse compression in an adaptive array radar system
[AD-A232713] 15 p2415 N91-23377
BURROWS, ADAM
Axions and SN 1987A: Axion trapping
[NASA-CR-186467] 05 p0713 N91-13976
BURROWS, B. J. C.
A new approach to equipment testing 24 p4053 N91-32639
Lightning protection design and testing of an all composite wet wing for the Egrett 24 p4053 N91-32642
The new Section 23 of DO160C/ED14C lightning testing of externally mounted electrical equipment 24 p4066 N91-32716
BURROWS, JOHN P.
Retrieval and molecule sensitivity studies for the global ozone monitoring experiment and the scanning imaging absorption spectrometer for atmospheric chartography 23 p3893 N91-31724
Scanning imaging absorption spectrometer for atmospheric chartography 23 p3893 N91-31725
BURROWS, K.
Test on opto couplers in the linear application considering temperature, radiation and Vce effects 24 p3993 N91-32314
BURSILL, L. A.
Ferroelectric and ferroelastic domain structures in piezoelectric ceramics
[DE91-618676] 16 p2607 N91-24449
Fractal analysis of crystalline surfaces at atomic resolution
[DE91-617803] 16 p2696 N91-24927
BURSTEIN, D.
Recent IUE observations of early-type galaxies 09 p1446 N91-17976
BURSTEN, B. E.
Molecular orbital studies of the bonding in heavy element organometallics
[DE91-010915] 18 p3060 N91-26905
BURSTEN, BRUCE E.
Molecular orbital studies of the bonding in heavy element organometallics
[DE90-009732] 08 p1219 N91-16711
BURSZTYN, DIZZA
Quality by design using statistically planned experiments
[ITN-91-85119] 18 p2997 N91-26553
BURTON, D. E.
Conservation of energy, momentum, and angular momentum in Lagrangian staggered-grid hydrodynamics
[DE91-008059] 11 p1703 N91-19381
Simulation of single mode Richtmyer-Meshkov instability using the adaptive free Lagrange method
[DE91-017657] 24 p4017 N91-32457
A two-dimensional dynamic mix model in free Lagrange hydrodynamics
[DE91-017661] 24 p4019 N91-32467
BURTON, G. E.
Ion engine development at the Royal Aircraft Establishment, Farnborough
[RAE-TR-71102] 19 p3113 N91-27202
BURTON, MICHAEL
What sort of standard candle is Orion for studying molecular hydrogen line emission in galaxies 05 p0751 N91-14184
BURTON, MICHAEL G.
Infrared images of reflection nebulae and Orion's bar: Fluorescent molecular hydrogen and the 3.3 micron feature 06 p0890 N91-14918
BURTON, R. L.
Heating of a liquid/vapor mixture by a pulsed electric discharge
[AD-A230272] 12 p1982 N91-20907
High pressure Mach 10 to 20 electrothermal hypersonic wind tunnel 16 p2578 N91-24288
BURTON, STANLEY K.
Rocket boosted target
[PATENT-1-254-289] 23 p3802 N91-31207
BURZYNSKI, RYSZARD
Chemical processing of novel multifunctional materials for sensor protection against laser threats
[AD-A237716] 22 p3683 N91-30505
BUS, SCHELTE J.
Chiron: Evidence for historic cometary activity 17 p2892 N91-25988
BUSAROW, KERRY LYNN
Tunable far infrared laser spectroscopy of Van der Waals molecules in a planar supersonic jet expansion
[DE91-014319] 22 p3753 N91-30919
BUSBY, MICHAEL R.
Solving the BM Camelopardalis puzzle 19 p3273 N91-28104
BUSCA, GIOVANNI
The classical microwave frequency standards 17 p2850 N91-25757
On the line Q degradation in hydrogen masers 17 p2859 N91-25806
BUSCH, B.
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
BUSCH, D. E.
Self-lubricating boric acid films for tribological applications
[DE90-007805] 01 p0029 N91-10171
BUSCH, G.
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
BUSCH, J. D.
Structural and electrical properties of titanium-nickel films deposited onto silicon substrates
[AD-A236445] 19 p3159 N91-27465
BUSER, JON FRANKLIN
Representing object oriented specifications and designs with extended data flow notations 01 p0107 N91-10617
BUSH, B. W.
Spacetime nonlocality and retardation in relativistic heavy-ion collisions
[DE91-011392] 17 p2861 N91-25824
BUSH, CHARLES E.
Circular limiter H-mode plasmas in the Tokamak Fusion Test Reactor (TFTR)
[DE91-005850] 09 p1406 N91-17739
BUSH, D. M.
Exploratory battery technology development and testing report for 1989
[DE91-006753] 11 p1698 N91-19352
BUSH, DONALD M.
Terrestrial nickel/hydrogen battery evaluation
[DE90-014863] 02 p0206 N91-11151
BUSH, HAROLD G.
Mechanical end joint system for connecting structural column elements
[NASA-CASE-LAR-14465-1] 06 p0835 N91-14614
Process for the manufacture of seamless metal-clad fiber-reinforced organic matrix composite structures
[NASA-CASE-LAR-13562-2] 17 p2747 N91-25199
BUSH, J. MICHAEL
Study of orifice fabrication technologies for the liquid droplet radiator
[NASA-CR-187114] 14 p2236 N91-22372
BUSHMAN, J. B.
ALLY: An operator's associate for satellite ground control systems 12 p1946 N91-20706
BUSHNELL, DENNIS M.
Polymer/riblet combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] 05 p0641 N91-13558
BUSHNELL, MARK
Current velocity and hydrographic observations in the southwestern North Atlantic Ocean: Subtropical Atlantic Climate Studies (STACS), 1989
[PB91-115535] 13 p2123 N91-21685
BUSHNELL, P.
Measurement of unsteady blade surface pressure on a single rotation large scale advanced prop-fan with angular and wake inflow at Mach numbers from 0.02 to 0.70
[NASA-CR-182123] 01 p0011 N91-10065
BUSHOUSE, HOWARD A.
A multiwavelength survey of interacting galaxies 08 p1253 N91-16898
Star formation in infrared bright and infrared faint starburst interacting galaxies 08 p1253 N91-16901
IUE observations of interacting starburst galaxies 09 p1446 N91-17978
BUSON, L. M.
Recent IUE observations of early-type galaxies 09 p1446 N91-17976
BUSS, R. J.
Optical diagnostics for low-temperature plasmas
[DE91-007896] 11 p1804 N91-19907
BUSS, RICHARD H., JR.
IRAS observations of the ISM in the gamma CAS reflection nebula 05 p0742 N91-14140
The origin of micrograins 06 p0905 N91-15000
Circumstellar grain extinction properties of recently discovered post AGB stars 06 p0911 N91-15028
BUSS, RICHARD J.
Laser studies of the interaction of SiO with the surface of a thin film
[DE91-004562] 06 p0806 N91-14450
BUSSEY, DIRK T.
RADC cathode life test facility
[AD-A234309] 18 p2978 N91-26444
BUSSI, PHILIPPE
An induction time approach to surface induced crystallization in polyethylene/poly (e-caprolactone) melt
[AD-A235102] 18 p3070 N91-26964
Surface induced crystallization in fiber reinforced semicrystalline thermoplastics composites
[AD-A236591] 19 p3120 N91-27238
BUSSOLETTI, E.
Laboratory spectra of amorphous and crystalline olivine: An application to comet Halley IR spectrum
[DE91-002307] 05 p0768 N91-14264
Raman properties of various carbonaceous materials and their astrophysical implications 06 p0893 N91-14933
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
Infrared spectra of crystalline and glassy silicates and application to interstellar dust 06 p0904 N91-14994
Experimental evidence for amorphous carbon grains in comets 06 p0907 N91-15008
IR emission from circumstellar envelopes of C-rich stars 06 p0909 N91-15019
BUST, GARY STEVEN
Magnetic field generation in astrophysics 02 p0289 N91-11623
BUSTAMANTE, C.
Circular Intensity Differential Scattering (CIDS) measurements in the soft x ray region of the spectrum (approximately 16 eV to 500 eV)
[DE91-016429] 24 p4101 N91-32915
BUSTIN, ROBERTA
Availability of hydrogen for lunar base activities
[NASA-CR-187367] 02 p0293 N91-11644
Kinetics of hydrogen release from lunar soil
[NASA-CR-187363] 05 p0766 N91-14256
Volatiles in interplanetary dust particles
[NASA-CR-188731] 22 p3775 N91-31055
BUTA, RONALD
The ringed X-galaxy NGC 7020 08 p1250 N91-16885
BUTCHER, C. A.
A high availability control system architecture 14 p2208 N91-22191
BUTCHER, ROBERT L.
Results of the users' requirements survey 06 p0828 N91-14575
BUTEL, A.
Plasma torches at blast furnace: Four years of industrial experience in France
[REPT-911-430-124] 18 p2692 N91-24901

BUTER, J. E.
Results of post firing examinations of igniter nozzles of the Vulcain engine 03 p0332 N91-11854
BUTLER, BRYAN
A Byzantine resilient processor with an encoded fault-tolerant shared memory 04 p0485 N91-12695
BUTLER, C. M.
Electromagnetic penetration through narrow slots in conducting surfaces and coupling to structures on the shadow side
[DE91-007155] 11 p1694 N91-19331
BUTLER, CAROLYN F.
Tropospheric ozone and aerosols measured by airborne lidar during the 1988 Arctic boundary layer experiment 17 p2794 N91-25455
BUTLER, CHALMERS M.
Analysis and design of antenna structures: Diakoptic theory and the moment method
[AD-A230838] 13 p2076 N91-21438
BUTLER, DAVID H.
Aerobrake assembly with minimum Space Station accommodation
[NASA-TM-102778] 13 p2034 N91-21183
BUTLER, DOUGLAS M.
The high speed buffer board: A SAIL EIA-485 communications accelerator card for the vector measuring current meter
[AD-A227181] 08 p1125 N91-16185
BUTLER, FRANCES A.
Benchmarking text understanding systems to human performance: An exploration
[AD-A233306] 16 p2664 N91-24741
Natural language sourcebook
[AD-A233005] 16 p2668 N91-24765
Artificial intelligence measurement system, overview and lessons learned
[AD-A233253] 16 p2676 N91-24810
Perspectives on technology assessment
[AD-A232918] 16 p2700 N91-24953
Proceedings of the Conference on Technology Assessment: Estimating the Future
[AD-A233528] 16 p2700 N91-24954
BUTLER, G. F.
An Ada framework for the integration of KBS and control system simulations 17 p2733 N91-25134
BUTLER, GEOFF
A NASA/RAE cooperation in the development of a real-time knowledge-based autopilot
[NASA-TM-104234] 24 p4090 N91-32650
BUTLER, J. N.
UNIX (tm) in high energy physics: What we can learn from the initial experiences at Fermilab
[DE91-011976] 18 p3062 N91-26914
BUTLER, JOHN M.
Chemical synthesis study of deuterated epoxy resins
[AD-A234666] 18 p2963 N91-26355
BUTLER, K. A.
Basic studies of baroclinic flows 24 p4056 N91-32662
BUTLER, KAREN
Theoretical and experimental studies of baroclinic processes 08 p1184 N91-16512
BUTLER, KAREN A.
GEOSIM: A numerical model for geophysical fluid flow simulation
[NASA-TM-103528] 13 p2079 N91-21450
BUTLER, P. C.
Exploratory battery technology development report for FY90
[DE91-012131] 20 p3338 N91-28485
BUTLER, P. L.
Manipulation hardware for microgravity research
[NASA-TM-103423] 06 p0814 N91-14498
A distributed data acquisition software scheme for the laboratory telerobotic manipulator
[NASA-CR-187841] 07 p1011 N91-15551
Custom electronic subsystems for the laboratory telerobotic manipulator
[NASA-CR-187730] 07 p1011 N91-15554
NASA Laboratory telerobotic manipulator control system architecture
[NASA-CR-187751] 08 p1159 N91-16385
DEMO 89: The initial experiment with the HERMIES-3 robot
[DE90-017765] 11 p1716 N91-19447
BUTLER, R.
Automated reasoning contributes to mathematics and logic
[DE91-014005] 20 p3387 N91-28765
BUTLER, RALPH
A tutorial on the construction of high-performance resolution/paramodulation systems
[DE91-001096] 05 p0707 N91-13942
BUTLER, RICKY W.
NASA Formal Methods Workshop, 1990
[NASA-CP-10052] 09 p1376 N91-17559
Design for validation, based on formal methods 09 p1376 N91-17564
High level design proof of a reliable computing platform 09 p1377 N91-17567
BUTLER, T. A.
Vibration and shock response of the BEAR (Beam Experiment Aboard a Rocket) payload during launch
[DE91-007863] 12 p1915 N91-20534
BUTLER, THOMAS A.
A linear accelerator in the space: The beam experiment aboard rocket
[DE91-002347] 05 p0715 N91-13988
BUTLER, THOMAS G.
Modeling of connections between substructures 12 p1911 N91-20510
Modeling a ball screw/ball nut in substructuring 12 p1911 N91-20511
Modeling an electric motor in 1-D 12 p1912 N91-20513
BUTLER, WALTER E., JR.
Field demonstration of aviation turbine fuel MIL-T-83133C, grade JP-8 (NATO code F-34) at Fort Bliss, TX
[AD-A233441] 16 p2611 N91-24458
BUTMAN, STANLEY A.
Deep space propagation experiments at Ka-band 03 p0351 N91-11962
BUTNER, HAROLD M.
The compact far infrared emission from the young stellar object IRAS 16293-2422 06 p0894 N91-14940
BUTNER, HAROLD MARTIN
Dense cores and young stellar objects 08 p1266 N91-16969
BUTNER, S.
Supercritical fluids cleaning
[DE91-013374] 20 p3333 N91-28456
BUTTERFIELD, A. J.
Advanced-technology space station study: Summary of systems and pacing technologies
[NASA-CR-181795] 03 p0319 N91-11785
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068
BUTTERFIELD, ANSEL J.
Single launch lunar habitat derived from an NSTS external tank
[NASA-TM-4212] 05 p0765 N91-14251
Benefits from synergies and advanced technologies for an advanced-technology space station
[NASA-TP-3067] 12 p1852 N91-20177
BUTTERFIELD, C. P.
Spanwise aerodynamic loads on a rotating wind turbine blade
[DE91-002101] 05 p0615 N91-13414
BUTTERFIELD, K. B.
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
Intrinsic neutron source strengths in uranium solutions
[DE91-016091] 23 p3925 N91-31933
BUTTON, ROBERT M.
Development and testing of a source subsystem for the supporting development PMAD DC test bed
[NASA-TM-104510] 18 p2938 N91-26202
BUTTRAM, M. T.
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
High power light activated semiconductor switches with sub-nanosecond rise time
[DE91-009250] 15 p2515 N91-23939
BUTTRILL, CAREY S.
Hot-bench simulation of the active flexible wing wind-tunnel model
[NASA-TM-102758] 13 p2026 N91-21144
Development, simulation validation, and wind tunnel testing of a digital controller system for flutter suppression 14 p2230 N91-22336
BUTTRY, DANIEL A.
Environmental effects on redox potentials of viologen groups embedded in electroactive self-assembled monolayers
[AD-A235676] 19 p3124 N91-27257
EQCM studies of film growth, redox cycling, and charge trapping of n-doped and p-doped poly(thiophene)
[AD-A235603] 19 p3157 N91-27455
Ionic interactions in electroactive self-assembled monolayers of ferrocene species
[AD-A235677] 19 p3241 N91-27927
BUUS, J.
Coherent fiber optic links
[AD-A233465] 16 p2689 N91-24889
BUXTON, S. D.
GEOPLOT: User guide and programmer's guide
[IOS-279] 24 p4071 N91-32745
BUYDENS, L.
Thickness variations during MOVPE growth on patterned substrates
[AD-A229685] 12 p1990 N91-20951
BUYS, L.
Computer dialogue techniques for satellite operations 14 p2222 N91-22285
BUZASI, DEREK LASZLO
A study of active regions on RS CVn stars 05 p0732 N91-14092
BUZULINA, V. P.
Functional testing during yearlong antiorthostatic hypokinesia 19 p3208 N91-27732
BUZUN, J. A.
Emissions and cost estimates for globally significant anthropogenic combustion sources of NOx, N2O, CH4, CO, and CO2
[PB90-216433] 03 p0387 N91-12157
BUZZARD, RAYMOND KARL
A prolog implementation of pattern search to optimize software quality assurance
[AD-A225435] 04 p0561 N91-13110
BYADZHIYEVA-MIKHAYLOVA, A.
Structural changes in vestibular receptors in rats after flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27729
BYARD, KEVIN
Coded aperture imaging with a HURA coded aperture and a discrete pixel detector 20 p3441 N91-29093
BYCHKOV, V. P.
Feeding the Salyut-7 crews 22 p3714 N91-30671
Feeding the Salyut-7 crews 22 p3716 N91-30685
BYER, R. L.
Joint services electronics program
[AD-A227576] 08 p1134 N91-16237
SUNLITE program. Sub-Hertz relative frequency stabilization of two diode laser pumped Nd:YAG lasers locked to a Fabry-Perot interferometer
[NASA-CR-184957] 18 p2992 N91-26520
BYER, ROBERT L.
Cladding for transverse-pumped solid-state laser
[NASA-CASE-NPO-17355-1-CU] 09 p1340 N91-17360
Solid-state lasers for coherent communication and remote sensing
[NASA-CR-187686] 09 p1344 N91-17382
BYERLY, RADFORD, JR.
Research in geosciences policy
[NASA-CR-188038] 14 p2282 N91-22619
BYERS, DAVE
Futuristic systems: Solar and nuclear electric propulsion 20 p3294 N91-28215
BYERS, DAVID C.
Enhancing space transportation: The NASA program to develop electric propulsion
[NASA-TM-4244] 11 p1666 N91-19181
BYERS, J. A.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
BYERS, RICHARD H.
Skin friction and heat transfer predictions for hypersonic turbulent flow over an ogive-cylinder
[AD-A230496] 12 p1896 N91-20427
BYMAN, D.
Multispectral imagery support for ocean venture 90
[AD-A227119] 06 p0851 N91-14697
BYOUN, J. S.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
BYRD, D. A.
Interferometric results from Boeing grazing incidence ring resonator FEL
[DE91-016305] 24 p4023 N91-32484
BYRD, GENE G.
A simulation survey of galaxy interactions 08 p1259 N91-16936
M51's spiral structure 08 p1260 N91-16938
The spiral-compact galaxy pair AM 2208-251: Computer simulations versus observations 08 p1260 N91-16939
BYRD, R. H.
A theoretical and experimental study of the symmetric rank one update
[AD-A233965] 18 p3039 N91-26777
BYRD, R. J.
Operationally Efficient Propulsion System Study (OEPPS) 20 p3292 N91-28198
BYRDSONG, THOMAS A.
Close-range photogrammetric measurement of static deflections for an aeroelastic supercritical wing
[NASA-TM-4194] 05 p0613 N91-13400

BYRNE, CATHERINE A.
Studies of polymers for shock absorption applications
[AD-A237925] 21 p3489 N91-29358
Structure property relationship of aliphatic polyurethane elastomers prepared from CHDI
[AD-A239397] 23 p3820 N91-31311
BYRNE, R.
Raybot: A practical implementation of a hierarchical control system for telerobotic land vehicles
[DE90-017029] 15 p2438 N91-23507
BYRNE, R. H.
Military robotics technologies at Sandia National Laboratories
[DE91-016113] 24 p4091 N91-32858
BYRNE, W. P. J.
Biaxial strength tests on bioceramic materials
[NPL-DMM(A)-18] 12 p1876 N91-20314
BYRNES, JAMES S.
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
BYRNESTAD, J.
The structure and chemistry of grain boundaries in ceramic superconductors
[DE91-010138] 19 p3136 N91-27325
BYSTROV, V. V.
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988)
11 p1742 N91-19577
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
BYSTROVA, N. V.
Dust clouds in Orion and the interstellar neutral hydrogen distribution 06 p0894 N91-14941
BYUN, KUK WHAN
Robust control synthesis for uncertain dynamical systems 09 p1345 N91-17393

C

CABANEL, D.
New developments in composites for space applications 03 p0331 N91-11850
New developments in composites for space applications
[REPT-911-430-104] 15 p2394 N91-23250
CABANEL, R.
High temperature superconducting thin films for microelectronics: Preparation and properties
05 p0722 N91-14033
CABELA, EDGAR
Research and development trends of environmental control techniques
[OEFZS-4569] 22 p3704 N91-30614
CABEZA, I.
Thermal distortion measurement on antenna-reflectors by real-time holographic interferometry in ambient pressure 07 p0958 N91-15269
CABINESS, HAROLD
The computational structural mechanics testbed structural-element processor ES7: Revised ANS shell elements
[NASA-CR-4360] 14 p2278 N91-22598
CABLE, M. D.
Fast Pb-glass neutron-to-light converter for ICF (Inertial Confinement Fusion) target burn history measurements
[DE91-002670] 05 p0720 N91-14021
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
CABLE, S.
On the origin of cosmological magnetic fields
[DE90-017617] 02 p0291 N91-11634
CABO, A. J.
An elementary proof of the Ambartzumian-Pleijel identity
[REPT-90-59] 08 p1210 N91-16657
CABON, PH.
Study of pilot vigilance during long range flight
08 p1194 N91-16561
CABRERA, BLAS
Particle astrophysics 24 p4120 N91-33024
CABREZA, JOAN
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
CABRIT, B.
Laser Fourier densitometry and laser induced photochemical anemometry in supersonic flow
[AAAF-NT-89-09] 23 p3785 N91-31103
Development of an infrared Laser Fourier Densitometer (LFD) and first wind tunnel tests
[PMI-2335] 23 p3799 N91-31189
CACACE, F.
Efficient retrieval of class extensions in object-oriented databases
[REPT-91-019] 22 p3767 N91-31001
Concurrency in deductive object-oriented databases
[REPT-91-020] 22 p3767 N91-31002
CACACE, FILIPPO
A survey of parallel execution strategies for transitive closure and logic programs
[MEMO-923] 22 p3739 N91-30831
Parallel hierarchical evaluation of transitive closure queries
[MEMO-924] 22 p3740 N91-30832
CACCAVALE, F.
Defect diffusion in ion implanted glasses
[DE91-016119] 23 p3819 N91-31302
CADDY, MICHAEL J.
Computer program for estimating performance of air-breathing aircraft engines
[NASA-TM-4254] 14 p2191 N91-22103
CADIEUX, J. R.
Evaluation of a Photo-Electron Rejecting Alpha Liquid Scintillation (PERALS) spectrometer for the measurement of alpha-emitting radionuclides
[DE91-005652] 11 p1707 N91-19399
CADITZ, DAVID MERRILL
Evolution of the quasar distribution, cosmology, and the accretion disk model of AGN 14 p2343 N91-22955
CADMUS, R. R.
Chromospheric variation and phase relation in M giants 09 p1437 N91-17918
CADOGAN, J. B.
Effects of wind shear and turbulence on wind turbine power curves
[DE91-004072] 06 p0841 N91-14648
CADWELL, K. L.
Microstructural change and its influence on stress-strain behavior of two superplastic materials
[DE91-017431] 24 p4111 N91-32980
CAFFEE, M. W.
The new LLNL AMS spectrometer
[DE90-010868] 08 p1108 N91-16084
CAFFEE, MARC W.
Reduction of multielement mass spectra
[DE91-001767] 07 p0976 N91-15354
CAFFERTY, MAUREEN M.
Semi-custom integrated circuit amplifier and level discriminator for nuclear and space instruments
[DE91-001951] 05 p0652 N91-13620
CAFFEY, T. W. H.
Measurement of electromagnetic fields over a small electrolytic tank
[DE91-007500] 11 p1695 N91-19334
Borehole radar for geothermal applications
[DE91-010478] 16 p2619 N91-24497
CAGAN, JONATHAN
Innovative design of mechanical structures from first principles 16 p2634 N91-24580
CAGLAYAN, A. K.
An expert system approach to global fault detection and isolation design
[AD-A238494] 21 p3564 N91-29808
CAGLAYAN, ALPER K.
Software reliability experiments data analysis and investigation
[NASA-CR-187492] 09 p1386 N91-17626
CAGLIOTI, VINCENZO
Realization of a randomized algorithm for the exact perfect matching problem, with a new constructive procedure
[REPT-90-056] 15 p2484 N91-23751
Stabilization of workload distribution in soft real-time distributed systems
[REPT-91-024] 22 p3737 N91-30817
CAHALAN, ROBERT F.
Cloud spatial structure during the FIRE MS IFO
01 p0084 N91-10500
CAHAN, B.
Investigation of phenomena related to D2O electrolysis at a palladium cathode
[AD-A236409] 19 p3126 N91-27272
CAHAN, BORIS D.
I-BIEM calculations of the frequency dispersion and AC current distribution at disk and ring-disk electrodes
24 p4037 N91-32559
CAHAY, M.
Studying quantum phase-based electronic devices
[AD-A226809] 06 p0822 N91-14541
CAHILL, DAVID G.
Atomic-scale charge transport at the Si(001) surface
[AD-A236970] 19 p3160 N91-27474
CAHILL, P. A.
Anomalous dispersion as a phase-matching technique for second harmonic generation
[DE90-015696] 01 p0029 N91-10172
Dynamic high-pressure studies of an electrothermal capillary
[DE91-000966] 05 p0651 N91-13617
Design considerations for multi component molecular-polymeric nonlinear optical materials
[DE91-006778] 11 p1799 N91-19872
CAHIR, JOHN J.
Analysis of significant weather on meso-alpha scales using conventional and remotely-sensed data: Further studies
[AD-A227588] 07 p1030 N91-15652
CAHUZAC, GEORGES
Examination of the removal of a high module wire placed on a deformable mandrel
[REPT-911-430-116] 16 p2589 N91-24348
CAI, A.
Gabor zone plate apertures for imaging with the mercuric iodide gamma ray camera
[DE90-011193] 08 p1148 N91-16321
CAI, MING
Basic dynamics of low frequency variability and the storm tracks 02 p0240 N91-11339
CAI, WEI
Uniform high order spectral methods for one and two dimensional Euler equations
[NASA-CR-187535] 13 p2080 N91-21456
CAI, XIAOBIN
Design and implementation of real-time computer coordinated force actuating system with multi-input/output
[AD-A233114] 16 p2669 N91-24788
CAI, Y.
A theory for fluidelastic instability of tube-support-plate inactive modes
[DE91-009676] 15 p2444 N91-23538
A theory for fluidelastic instability of tube-support-plate inactive modes
[DE91-006001] 15 p2445 N91-23542
CAI, YUN JIA
Structure and properties of high symmetry composites
[AD-A226479] 04 p0499 N91-12769
CAI, Z.
Template synthesis of conducting polymers: Enhanced conductivity, enhanced supermolecular order, interesting microstructures
[AD-A229931] 12 p1872 N91-20287
CAI, ZHI-XIONG
Theory of the critical current density in YBa2Cu3O7 ceramics
[DE91-009443] 15 p2515 N91-23940
CAI, ZHIHUA
Electrochemical investigations or electronically conductive polymers. Part 6: Mechanism of the redox reactions for the electronically conductive form of polypyrrole
[AD-A225306] 03 p0345 N91-11932
CAIAFA, CAESAR A.
Model rocketry hazard study
[DOT/FAA/CT-TN90/28] 13 p2043 N91-21238
CAILLAS, C.
Thermal imaging for robotic applications in outdoor scenes
[NASA-CR-187748] 07 p1022 N91-15612
CAIN, BRUCE L.
Welding arc plasma physics 10 p1627 N91-18973
CAIN, JOSEPH C.
Numerical solution of the geoelectrodynamic problem
[NASA-CR-186941] 05 p0686 N91-13818
CAIN, M.
Pressure vessel burst test program
[AD-A237845] 21 p3532 N91-29624
CAIN, T. M.
Pitot measurements in the exhaust of a cluster of four small scale supersonic nozzles
[OUEL-1862/90] 11 p1644 N91-19070
Pitot surveys of two moderately under-expanded jets
15 p2380 N91-23172
CAIRD, J. A.
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
CAIRELLI, JAMES E.
Update on results of SPRE testing at NASA Lewis
[NASA-TM-104425] 19 p3114 N91-27208
CAIRNS, I. H.
Whistlers in Neptune's magnetosphere: Evidence of atmospheric lightning
[NASA-CR-187324] 02 p0293 N91-11642
Plasma waves associated with the space shuttle
06 p0918 N91-15064
CAIRNS, IVER H.
Large scale motions of Neptune's bow shock: Evidence for control of the shock position by the rotation phase of Neptune's magnetic field
[NASA-CR-188059] 14 p2343 N91-22954

CAIRNS, JOHN, JR.
Adaptation and resistance of ecosystems to stress
[AD-A234576] 18 p3007 N91-26603
CAIRNS, MARY M.
DAR(3)E-1 evaluation: Assessment of weather forecasts made using the DAR(3)E-1 workstation
[PB91-181701] 21 p3544 N91-29693
CAKIR, S.
Theory for modeling the equatorial evening ionosphere and the origin of the shear in the horizontal plasma flow
[MPE-PREPRINT-185] 08 p1180 N91-16495
Computer simulations of medium wavelength irregularities in the equatorial ionosphere resulting from artificially produced density enhancements
[MPE-PREPRINT-186] 08 p1180 N91-16496
CALABRESE, P. G.
Deduction and inference using conditional logic and probability
[AD-A237285] 21 p3567 N91-29834
CALAME, J.
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
CALAMITO, DOMINIC P.
Tailorable advanced blanket insulation using aluminoborosilicate and alumina batting
[NASA-CR-177527] 16 p2608 N91-24452
CALARCO, J. R.
Electromagnetic studies of nuclear structure and reactions
[DE91-006820] 10 p1592 N91-18782
CALAWAY, W. F.
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
Sputtering of molecules from ZnS, CdS, and FeS2
[DE91-010279] 17 p2870 N91-25878
CALCO, FRANK S.
Quick action clamp
[NASA-CASE-LEW-14887-1] 19 p3176 N91-27561
CALCOTE, H. F.
Computer modeling of soot formation comparing free radical and ionic mechanisms
[AD-A235007] 18 p2949 N91-26273
CALCOTE, ROY K.
User interface to an ICAI system that teaches discrete math
[AD-A232693] 15 p2492 N91-23799
CALDASBARBOSA, OSWALDO
Geometric correction of SPOT imagery with the use of a digital elevation model
[INPE-5014-TDL/401] 02 p0256 N91-11423
CALDERWOOD, ROBERTA
Investigations of naturalistic decision making and the recognition-primed decision model
[AD-A226006] 04 p0602 N91-13351
CALDWELL, C. D.
Electron correlation explored through electron spectrometry using synchrotron radiation
[DE91-009917] 14 p2326 N91-22850
CALDWELL, DAVID
Particle astrophysics 24 p4120 N91-33024
CALDWELL, G.
Workshop on the Online Documentation in the Supercomputing Environment, Working Paper Conference
[PB91-164772] 19 p3217 N91-27779
CALDWELL, J. A., JR.
A comparison of computerized measurement of helicopter pilot performance with atropine sulfate during actual and simulated flight 08 p1193 N91-16558
CALDWELL, JAMES L.
High level design proof of a reliable computing platform 09 p1377 N91-17567
A HOL theory for voting 09 p1378 N91-17575
CALDWELL, JOHN A., JR.
Development of a ruggedized hand-held computer for performance testing in operational settings
[AD-A229421] 22 p3722 N91-30716
CALEDONIA, G. E.
Laboratory investigation of visible shuttle glow mechanisms 12 p1951 N91-20734
CALFEE, M. T.
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330
CALFO, R. M.
Design and test of a continuous duty pulsed ac generator
[DE91-014664] 21 p3504 N91-29445
CALHOUN, GLORIA L.
Localization performance with synthesized directional audio
[AD-A230316] 12 p1975 N91-20864
CALIANNO, CARL
Stabilized square parachute
[AD-D014946] 21 p3452 N91-29149
CALISE, ANTHONY J.
Optimal guidance law development for an advanced launch system
[NASA-CR-187652] 07 p1047 N91-15749
CALISSE, P.
The OASI observatory in Antarctica 13 p2179 N91-22036
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation 13 p2179 N91-22040
CALISTE, JEAN-PIERRE
Progress of the Laboratoire National d'Essais in the field of materials data bank 12 p1996 N91-20984
CALKOEN, C. J.
Wave data assimilation in a 3rd generation. Wave prediction model for the North Sea: An optimal control approach
[BCRS-89-22] 02 p0242 N91-11348
Comparison of TOSCANE-2 data and Donelan-Pierson model
[BCRS-90-18] 14 p2290 N91-22667
CALLAHAN, A. P.
The development of new radionuclide generator systems for nuclear medicine applications
[DE91-010381] 16 p2687 N91-24876
CALLAHAN, JOHN R.
A software-system visualization tool
[AD-A227145] 06 p0861 N91-14757
CALLAWAY, JOSEPH
Theoretical studies of highly energetic CBES materials
[AD-A231340] 13 p2058 N91-21329
CALLCOTT, T. A.
Desorption of Al, Au, Ag using surface plasmon excitation
[DE91-013726] 20 p3339 N91-28493
Desorption of large organic molecules by laser-induced plasmon excitation
[DE91-013415] 20 p3401 N91-28852
CALLE, LUZ
Electrochemical impedance spectroscopy of metal alloys in the space transportation system launch environment 11 p1824 N91-20025
CALLEN, J. D.
Models of plasma confinement and heating in tokamaks
[DE90-016671] 01 p0126 N91-10741
The evolution of resistive ballooning modes in the banana-plateau collisionality regime
[DE90-016672] 02 p0272 N91-11525
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
Hybrid fluid/kinetic descriptions of tokamak plasmas 20 p3407 N91-28888
Fluid/kinetic hybrid moment description of plasmas via a Chapman-Enskog-like approach
[DE91-013346] 20 p3417 N91-28949
Fluidlike studies of the presheath and sheath regions of a plasma
[DE91-013345] 20 p3418 N91-28953
Generalized gyroviscous force and its effect on the momentum balance equation
[DE91-013344] 20 p3435 N91-29061
CALLIS, R.
DIII-D results and plans
[DE91-001548] 06 p0877 N91-14847
CALLOWAY, RAYMOND S.
Advanced sensors and instrumentation 09 p1281 N91-17041
CALLOWAY, T. M.
Comparison of synthetic aperture radar autofocus techniques: Phase gradient vs subaperture
[DE91-014696] 21 p3497 N91-29406
CALOGERAS, JAMES E.
Solar dynamic power for Earth orbital and lunar applications
[NASA-TM-104511] 19 p3116 N91-27214
CALOINI, ANDREA
Hypertext development using a model-based approach
[REPT-90-074] 23 p3936 N91-31995
CALOMINO, ANTHONY M.
Fully articulated four-point-bend loading fixture
[NASA-CASE-LEW-14776-1] 13 p2096 N91-21540
CALVAO, M. O.
Geodesics in Goedel-type space-times
[DE90-634419] 03 p0389 N91-12168
CALVEL, P.
Space radiation effects on power MOSFET: Threshold-voltage shift with dose rate 24 p4001 N91-32363
CALVERT, L. D.
The new metals and alloys compilation, a powerful materials analysis tool
[DE91-016199] 24 p3976 N91-32208
CALVERT, ROBERT D.
The Cable and Wireless approach to network synchronization 17 p2856 N91-25790
CALVERT, W. J.
Design of advanced blading for a high-speed HP compressor using an S1-S2 flow calculation system
[RAE-TM-P-1196] 22 p3621 N91-30144
Application of S1BYL2 to the AGARD WG18 compressor test cases
[RAE-TM-P-1204] 22 p3621 N91-30147
CALVIN, M. D.
Analytical calculation of neutral transport and its effect on ions
[DE91-015908] 21 p3577 N91-29896
CALVIN, W. M.
Evidence for ammonium-bearing minerals in Ceres 11 p1821 N91-20004
CALVO, M.
The design of the ground segment to provide optimum service at minimum cost 14 p2208 N91-22192
CAMACHO, J. F.
An x band backward-wave oscillator experiment
[DE90-015119] 01 p0037 N91-10219
CAMAIONI, D. M
A theoretical and experimental study of unimolecular and biomolecular radical hydrogen transfer reactions
[DE91-012607] 21 p3473 N91-29261
CAMARANETO, GILBERTO
Georelational data model: A conceptual vision of a geographical information system
[INPE-4612-PRE/1335] 05 p0730 N91-14078
CAMARDA, CHARLES J.
Development of advanced modal methods for calculating transient thermal and structural response 22 p3693 N91-30559
CAMASSA, ROBERTO
Stability of some stationary solutions for the forced KdV equation
[DE90-016506] 01 p0113 N91-10662
CAMBANIS, STAMATIS
Bootstrapping the sample mean for data with infinite variance
[AD-A225870] 04 p0576 N91-13206
Sampling designs for estimating integrals of stochastic processes using quadratic mean derivatives
[AD-A225961] 04 p0577 N91-13207
Characterizations of one-sided fractional Levy motions
[AD-A225990] 04 p0577 N91-13209
Research in stochastic processes
[AD-A234650] 18 p3053 N91-26860
CAMBIER, JEAN-LUC
Analytical and experimental investigations of the oblique detonation wave engine concept 15 p2379 N91-23169
CAMBRIDGE, VIVIEN
Predictive sensor method and apparatus
[NASA-CASE-SSC-00006-1] 05 p0664 N91-13691
CAMBRIDGE, VIVIEN J.
Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-1] 15 p2522 N91-23976
CAMCI, C.
A new facility to study three dimensional viscous flow and rotor-stator interaction in turbines 16 p2587 N91-24336
CAMEL, D.
Semi-confined Bridgman growth of Ga-doped Ge (MASER 2) 23 p3836 N91-31391
CAMELIO, FRANCIS JAMES
Variation of wall shear stress and Reynolds stress over a flat plate downstream of a boundary layer manipulator
[AD-A226875] 06 p0826 N91-14565
CAMERINI, U.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
CAMERON, A.
Basic mechanisms of diesel lubrication correlation of bench and engine tests
[AD-A237685] 21 p3527 N91-29596
CAMERON, A. G. W.
Effects of a giant impact on Uranus 11 p1822 N91-20012
CAMERON, ALASTAIR G. W.
Computing and data processing 24 p4120 N91-33028
CAMERON, C. P.
The feasibility of testing NASA's SCAD concentrator on Earth
[DE91-016055] 23 p3889 N91-31702

CAMERON, CARIG P.
Reaction processing of ceramic particulate and whisker composites
[AD-A234951] 18 p2941 N91-26225
CAMERON, D.
Basic mechanisms of diesel lubrication correlation of bench and engine tests
[AD-A237685] 21 p3527 N91-29596
CAMERON, DON
Touchstone project Mach port: Milestone event Q4
[AD-A224057] 02 p0264 N91-11481
CAMERON, EUGENE N.
Helium resources of Mare Tranquillitatis
17 p2905 N91-26043
CAMERON, JAMES F.
Photogenerated amines and diamines: Novel curing systems for thin film coatings
[AD-A235568] 19 p3117 N91-27219
Photogeneration of reactive amine functionalities within polymers: Synthesis of photoprecursor copolymers and their use in photocuring
[AD-A235847] 19 p3139 N91-27343
The photogeneration of organic bases from o-nitrobenzyl derived carbamates
[AD-A235848] 19 p3139 N91-27344
Solid state quantum yield determination of a novel base photogenerator
[AD-A235686] 19 p3168 N91-27514
CAMERON, JONATHAN M.
Planning and executing motions for multibody systems in free-fall 22 p3688 N91-30530
CAMERON, M.
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
05 p0739 N91-14125
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
High resolution imaging for Brackett gamma and H2 1-0 S(1) emission in the Seyfert galaxy NGC 1068
[MPE-PREPRINT-192] 15 p2368 N91-23104
The molecular interstellar medium and the near-infrared continuum of the barred liner NGC 6764
[MPE-PREPRINT-193] 15 p2532 N91-24029
CAMERON, MURRAY
UV observations of Herbig-Haro objects associated with bipolar molecular outflows: HH 7, HH 11 and HH 29
[IFSI-90-9] 01 p0139 N91-10819
CAMERON, RICHARD J.
Dielectric image-resonator multiplexer
[PATENT-1-252-835] 23 p3853 N91-31479
CAMERON, ROBERT
OSSE data flow and analysis
[AD-A236224] 19 p3168 N91-27515
CAMIRE, C.
A study of electrolytes for lithium batteries
[INRS-NRG-326-RF] 22 p3669 N91-30428
CAMP, JORDAN B.
Antimatter gravity experiment
[DE91-000177] 02 p0283 N91-11590
CAMP, PAUL J.
The line of gravitation: On the quantization conditions in curved spacetime and uncertainty-driven inflation
20 p3444 N91-29115
CAMP, W. J.
An interdisciplinary approach to massively parallel computation
[DE91-012652] 20 p3389 N91-28775
CAMPA, ALESSANDRO
Fast sound propagation in binary fluid mixtures
01 p0039 N91-10233
CAMPAGNAC, MARIE HELENE
Structures and mechanical properties of near-beta titanium alloys Ti-10V-2Fe-3Al and Ti-10V-3Cu-3Al
[ESA-TT-1200] 22 p3651 N91-30319
CAMPARO, J. C.
Effects of neutron fluence on the operating characteristics of diode lasers used in atomic frequency standards
[AD-A226763] 08 p1153 N91-16352
CAMPBELL, A. A.
Biomimetic thin film deposition
[DE91-012485] 20 p3425 N91-28999
CAMPBELL, A. K.
Recruitment, retention, and utilization of federal scientists and engineers
[PB91-179366] 19 p3260 N91-28028
CAMPBELL, A. M.
Processing of mixed oxide superconductors
[AD-A229845] 12 p1990 N91-20954
CAMPBELL, A. W.
The deflagration-to-detonation transition in granular HMX
[DE91-014591] 20 p3331 N91-28448
CAMPBELL, B. A.
Heavy rain effects on airplane performance
03 p0302 N91-11686
CAMPBELL, C. S.
Mechanics/heat-transfer relation for particulate materials
[DE91-008356] 15 p2423 N91-23424
CAMPBELL, D. J.
Sawteeth and their stabilization in JET
[DE91-005459] 13 p2156 N91-21882
CAMPBELL, D. K.
Identification and determination of solitary wave structures in nonlinear wave propagation
[DE91-004866] 10 p1525 N91-18400
Competing electron-electron/electron-phonon interactions and polyacetylene
[DE91-011389] 19 p3240 N91-27921
CAMPBELL, D. L.
Global warming mitigation potential of three tree plantation scenarios
[PB91-159608] 17 p2809 N91-25528
Human factors engineering design guidelines for the software user interface
[DE91-016061] 23 p3906 N91-31802
CAMPBELL, DAVID K.
Chaos and order in non-integrable model field theories
[DE91-002313] 05 p0729 N91-14070
CAMPBELL, E. M.
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility
[DE91-001685] 05 p0665 N91-13698
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
CAMPBELL, G. H.
HRM investigation of the structure of the sigma 5(310)/zone axes (001) symmetric tilt grain boundary in Nb
[DE91-008571] 12 p1992 N91-20964
CAMPBELL, G. L.
A real-time digital control, data acquisition and analysis system for the DIII-D multipulse Thomson scattering diagnostic
[DE91-002720] 05 p0721 N91-14025
CAMPBELL, H. J.
Evaluation of flammability properties of glass-reinforced plastics for marine use
[DREA-CR-88-411] 22 p3654 N91-30336
CAMPBELL, J.
Damage assessment and possible damage mechanisms to 1-meter diameter Nova turning mirrors
[DE90-016473] 01 p0047 N91-10278
Special requirements in the design of a sensor test and integration laboratory 11 p1659 N91-19141
CAMPBELL, J. H.
A high temperature, plasma-assisted chemical vapor deposition system
[DE91-000260] 04 p0506 N91-12809
Damage resistant optics for a mega-joule solid-state laser
[DE91-006246] 09 p1343 N91-17376
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
Optical characterization of damage resistant kilolayer rugate filters
[DE91-006245] 09 p1408 N91-17747
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525
Platinum solubility in phosphate laser glass
[DE91-015123] 20 p3353 N91-28571
Thermal-mechanical and physical-chemical properties of phosphate laser glasses
[DE91-016604] 24 p3979 N91-32227
Spectroscopic properties of Nd3+ dopant ions in phosphate laser glass
[DE91-017665] 24 p4112 N91-32985
CAMPBELL, K. D.
Direct conversion of methane to C2's
[DE91-005730] 11 p1678 N91-19251
Direct conversion of methane to C2's and liquid fuels
[DE91-005729] 11 p1690 N91-19313
Direct conversion of methane to C2's and liquid fuels
[DE91-007545] 11 p1691 N91-19318
CAMPBELL, KENNETH D.
Direct conversion of methane to C2's and liquid fuels
[DE91-005872] 09 p1320 N91-17249
Direct conversion of methane to C2's and liquid fuels
[DE91-005868] 10 p1506 N91-18290
CAMPBELL, L. A.
TRACE trajectory analysis and orbit determination program. Volume 13: Square root information filtering and smoothing
[AD-A234957] 18 p2933 N91-26183
CAMPBELL, M. F.
The compact far infrared emission from the young stellar object IRAS 16293-2422 06 p0894 N91-14940
CAMPBELL, PATRICK ROSS
Light trapping and reflection control in a crystalline silicon solar cell 09 p1354 N91-17440
CAMPBELL, RICHARD L.
Applications of a transonic wing design method
02 p0153 N91-10890
Olympus receiver evaluation and phase noise measurements 03 p0351 N91-11960
A method for the design of transonic flexible wings
[NASA-TP-3045] 06 p0780 N91-14323
CAMPBELL, ROY K.
Monte Carlo simulation of particle acceleration at astrophysical shocks 17 p2877 N91-25917
CAMPBELL, SCOTT R.
Thermal compensating mount
[NASA-CASE-LAR-14207-1] 06 p0831 N91-14590
CAMPBELL, STEPHEN L.
A numerical and analytic analysis of nonlinear implicit differential equations arising in control and circuit problems
[AD-A232940] 16 p2678 N91-24822
CAMPBELL, STEVE
Orlando experiment 16 p2556 N91-24177
CAMPBELL, THOMAS G.
Science requirements for a global change technology architecture trade study
[NASA-TM-104082] 17 p2815 N91-25558
CAMPBELL, W. K.
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785
CAMPBELL, WILLIAM A., JR.
Outgassing data for selecting spacecraft materials, revision 2
[NASA-RP-1124-REV-2] 06 p0804 N91-14437
CAMPINS, H.
Preliminary analysis of surface characteristics of Comet Tempel 2 17 p2750 N91-25220
Data base on physical observations of near-Earth asteroids and establishment of a network to coordinate observations of newly discovered near-Earth asteroids
17 p2755 N91-25246
CAMPINS, HUMBERTO
A spectral difference between silicates in Comet Halley and interstellar silicates 06 p0906 N91-15002
The 10 micron spectral structure in comets
06 p0906 N91-15004
The dust coma of Comet Austin (1989c1)
17 p2893 N91-25989
Short-period comets 17 p2908 N91-26057
CAMPIONE, M.
Contractile protein changes induced by hindlimb suspension in rat skeletal muscle
11 p1754 N91-19646
CAMPONESCHI, EUGENE THOMAS, JR.
Compression response of thick-section composite materials 17 p2745 N91-25190
CAMPUZANO, J. C.
Photoemission measurement of Fermi surface, band dispersion, and quasiparticle lifetime in YBa2Cu3O6.9
[DE91-015194] 21 p3593 N91-29989
CAMUS, PAUL
How to fly windshear 02 p0168 N91-10974
CANACCI, V.
Simulation of brush insert for leading-edge-passage convective heat transfer
[NASA-TM-103801] 15 p2421 N91-23409
CANALS, A.
NAIADE: A prototype application in Ada of the CCSDS recommendations concerning 'SFDU'
14 p2215 N91-22240
CANAVAN, G. H.
Interaction of strategic defenses with crisis stability
[DE91-008480] 12 p1974 N91-20858
Interaction of strategic defenses with crisis stability
[DE91-009004] 12 p1974 N91-20859
Notes on space, satellites, and survivability
[DE91-009229] 13 p2041 N91-21226
Requirements for progressive strategic defenses
[DE91-008997] 13 p2145 N91-21812
Near-term boost-phase defense sensitivities
[DE91-008999] 13 p2145 N91-21813
Interaction of strategic defenses with crisis stability
[DE91-009002] 13 p2145 N91-21814
Strategic defense requirements for progressive applications
[DE91-009045] 13 p2145 N91-21816

Threat modernization in the near term
[DE91-009228] 13 p2145 N91-21817
Discrimination options in the near term
[DE91-009000] 13 p2146 N91-21818
Background issues for defensive interceptors
[DE91-009219] 13 p2146 N91-21819
SBI allocation between heavy and singlet missiles
[DE91-009859] 14 p2321 N91-22822
Distributed radar sensors for aircraft detection
[DE91-009845] 15 p2411 N91-23350
Distributed space platforms for remote sensing
[DE91-011047] 17 p2740 N91-25166
Two sensors for distributed satellite platforms
[DE91-011051] 17 p2741 N91-25169
Boost-phase kill versus midcourse discrimination: The grand inquisitor's solution
[DE91-011744] 18 p3055 N91-26871
Defending the defenders: Brilliant pebble defense against pop-up neutral particle beam suppression attacks
[DE91-012521] 20 p3394 N91-28809
Interceptor combinations for theater defense
[DE91-012990] 20 p3394 N91-28810
On satellite constellation selection
[DE91-014562] 21 p3570 N91-29851

CANDIDI, M.
Ion dynamics in the plasma mantle
[IFSI-89-20] 02 p0276 N91-11550

CANDLER, GRAHAM
The computation of thermo-chemical nonequilibrium hypersonic flows 02 p0154 N91-10898

CANFIELD, P. C.
Doping and pressure study of U3Sb4Pt3
[DE91-013669] 20 p3431 N91-29033
Effects of doping on hybridization gapped materials
[DE91-014611] 21 p3508 N91-29477
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds
[DE91-016239] 24 p4095 N91-32878
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959

CANFIELD, RICHARD C.
Solar astronomy 24 p4120 N91-33026

CANFIELD, T.
The advanced software development and commercialization project
[DE91-015756] 21 p3562 N91-29797

CANFIELD, T. R.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719

CANIZARES, CLAUDE
Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017
High energy from space 24 p4119 N91-33023

CANN, DAVID
SISAL versus FORTRAN: A comparison using the Livermore loops
[DE90-010872] 02 p0254 N91-11414

CANN, DAVID C.
SISAL 1.2: High-performance applicative computing
[DE90-011461] 07 p1053 N91-15780
Vectorization of an applicative language: Current results and future directions
[DE91-005069] 07 p1054 N91-15789
POSC: A Partitioning and Optimizing SISAL Compiler
[DE90-010679] 08 p1197 N91-16577

CANN, S. G.
Biochip technology development
[AD-A230564] 12 p1967 N91-20823

CANNATA, RICHARD W.
Thermal ion upwelling in the high-altitude ionosphere
[AD-A232372] 15 p2464 N91-23657

CANNATA, RICHARD WALTER
Thermal ion upwelling in the high-latitude ionosphere 22 p3706 N91-30625

CANNELL, D. S.
Bifurcations and patterns in non-linear dissipative systems
[DE91-017402] 24 p4112 N91-32984

CANNIZZARO, FRANK E.
A multiblock multigrid three-dimensional Euler equation solver
[NASA-TM-103424] 13 p2142 N91-21795

CANNON, M. R.
Fuselage shell and cavity response measurements on a DC-9 test section
[NASA-CR-187557] 23 p3924 N91-31926

CANNON, PAUL S.
Oblique heating of the auroral ionosphere by LF/MF transmitters 10 p1550 N91-18524
Optimum antenna spacing for diversity in meteor burst communications systems 22 p3659 N91-30367

CANNON, ROBERT H., JR.
Control of free-flying space robot manipulator systems
[NASA-CR-188026] 13 p2094 N91-21527

CANNON, T.
Photovoltaic advanced research and development project: Solar radiation research
[DE91-002119] 10 p1540 N91-18479
Teaching engineers to be technical leaders
[DE91-016117] 24 p4115 N91-33002

CANRIGHT, DAVID R.
Acoustic interactions in arrays of spherical elastic shells
[AD-A226091] 04 p0579 N91-13227

CANT, R. S.
Modelling of flamelet surface-to-volume ratio in turbulent premixed combustion
[DE90-006312] 08 p1107 N91-16081

CANTALOUBE, M.
Influence of configuration effects on multiple burst simulation testing 24 p4051 N91-32631

CANTER, L. W.
Literature review: Computer aided assessment techniques for nonpoint source discharges
[AD-A236347] 19 p3187 N91-27622

CANTERNA, R.
High spatial-resolution IRAS images of M51 05 p0756 N91-14207

CANTO, J.
VLA observations of ammonia in Herbig-Haro 1-2 10 p1622 N91-18949

CANTOR, A. J.
Turnable blue-green LIDAR transmitter demonstration: Injection laser technology
[AD-A228425] 09 p1340 N91-17362

CANTOR, R. A.
The potential role of nuclear power in controlling CO2 emissions
[DE91-006665] 10 p1545 N91-18502

CANTRELL, C. A.
Temperature dependent infrared cross sections for CFC-11, CFC-12, CFC-13, CFC-14, CFC-22, CFC-113, CFC-114 and CFC-115
[PB91-164780] 19 p3201 N91-27693

CANTRELL, C. D.
Theoretical studies of squeezed-state generation in propagating laser beams
[AD-A227816] 07 p1008 N91-15534

CANTRELL, J. S.
Comparison of hydrogen diffusion in Ti2PdH(x) to the behavior for Ti2CuH(x) and Zr2PdH(x)
[DE91-002711] 08 p1235 N91-16808

CANTRELL, JOHN H.
The transfer of technology to measure skin burn depth in humans 15 p2541 N91-24076
An ultrasonic technique to measure the depth of burn wounds in humans
[NASA-TM-104116] 19 p3239 N91-27910

CANTRELL, JOHN H., JR.
Method and apparatus for characterizing reflected ultrasonic pulses
[NASA-CASE-LAR-13966-1] 19 p3239 N91-27914

CANTWELL, BRIAN J.
Direct numerical simulations of a plane compressible wake: Stability, vorticity dynamics, and topology
[NASA-CR-187737] 07 p0936 N91-15129

CANUTI, P.
Applications of MultiFrequency (MF) SAR images in hydrology 07 p0991 N91-15439

CANZIAN, BLAISE
Molecular gas and star formation in the centers of Virgo spirals 05 p0758 N91-14216

CANZIAN, BLAISE JOSEPH
Molecular gas and star formation in the central regions of Virgo spiral galaxies 08 p1266 N91-16970

CAO, JICHANG
Analytical aerodynamic model of a high alpha research vehicle wind-tunnel model
[NASA-CR-187469] 05 p0614 N91-13404

CAO, SHENGQUAN
Thermoionic converter for space Reactor
[AD-A225299] 03 p0417 N91-12334

CAO, WEI-DI
Effects of electric current and field on the behavior of metallic materials 02 p0196 N91-11095

CAPACCIONI, F.
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390

CAPELLE, G.
Uniform field laser illuminator for remote sensing
[DE91-010823] 17 p2781 N91-25391

CAPELLI, CARLO
Pedalling in space to simulate gravity: The twin-bike system 11 p1743 N91-19583

CAPITANIO, C.
Structural materials for space mirrors 03 p0327 N91-11818
Structural materials for space mirrors
[REPT-911-430-128] 15 p2395 N91-23261

CAPIZZI, P.
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551

CAPLAN, A. I.
Bone formation: The rules for fabricating a composite ceramic
[DE91-005178] 10 p1505 N91-18281
The avian eggshell as a model of biomineralization
[DE91-012608] 20 p3323 N91-28400

CAPLAN, EDDIE
Validation environment for AIPS/ALS: Implementation and results
[NASA-CR-4340] 05 p0705 N91-13930

CAPLAN, JAMES
Reddening and extinction towards H II regions 06 p0886 N91-14898

CAPONE, FRANCIS J.
Static internal performance of an axisymmetric nozzle with multiaxis thrust-vectoring capability
[NASA-TM-4237] 07 p0935 N91-15125
Aeropropulsive characteristics of canted twin pitch-vectoring nozzles at Mach 0.20 to 1.20
[NASA-TP-3060] 14 p2185 N91-22069

CAPONI, M.
Nonlinear optics technology. Volume 2: Phase conjugated optical communication link, phase 3
[AD-A233534] 17 p2863 N91-25835

CAPORASO, G. J.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
Degradation of brightness by resonant particle effects
[DE91-015181] 21 p3525 N91-29578

CAPPELLARI, JAMES O., JR.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32 09 p1288 N91-17081

CAPPELLI, M. A.
An investigation of diamond synthesis in an oxygen-acetylene diffusion flame
[AD-A227224] 06 p0881 N91-14870
Diamond synthesis in a 50 kW inductively coupled atmospheric pressure plasma torch
[AD-A227563] 07 p0985 N91-15405

CAPPELLI, MARK A.
On the development of in-situ Raman analysis of plasma deposited diamond
[AD-A227453] 08 p1119 N91-16147
First order Raman spectrum of diamond at high temperatures
[AD-A230625] 12 p1876 N91-20309

CAPPIELLO, M. W.
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210

CAPPS, G. J.
Laser-induced fluorescence of phosphors for remote cryogenic thermometry
[DE91-001733] 05 p0662 N91-13681
Dynamic high-temperature-phosphor thermometry
[DE91-005632] 10 p1526 N91-18405

CAPPS, KIMBERLY D.
The SPAN cookbook: A practical guide to accessing SPAN
[NASA-TM-105054] 22 p3726 N91-30740

CAPRETTE, D. S.
Crustal Dynamics Project data analysis, 1990
[NASA-TM-100765] 06 p0847 N91-14679

CAPRIA, M. T.
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389

CAPRILE, BRUNO
Extensions of a theory of networks and learning: Outliers and negative examples
[AD-A234425] 18 p3045 N91-26810
CAPRON, WILLIAM R.
A description and evaluation of TIMER: A time-based terminal flow-control concept 02 p0175 N91-10996
CAPUTO, MICHAEL
Portable dynamic fundus instrument
[NASA-CASE-MSC-21675-1] 05 p0694 N91-13865
CAR, R.
Theory of structure and properties of hydrogenated amorphous silicon
[DE91-009353] 13 p2056 N91-21315
CARADONNA, F. X.
The application of CFD to rotary wing flow problems 10 p1460 N91-18054
CARAM, RUBENS
Influence of convection on microstructure
[NASA-CR-186996] 04 p0503 N91-12795
Directional solidification of Pb-Sn eutectics with vibration
[NASA-CR-187942] 12 p1868 N91-20264
Directional solidification of Pb-Sn eutectic with vibration 14 p2245 N91-22421
CARAMANA, E. J.
Droplet shattering, vaporization, and recondensation in cloud clearing with long pulse infrared chemical lasers
[DE90-010584] 08 p1152 N91-16343
CARANGELO, MARTIN
Novel on-line characterization method for suspended particles
[PB90-257478] 09 p1332 N91-17315
CARANTI, GIORGIO M.
Charge transfer during individual collisions in ice growing by riming 24 p4068 N91-32727
CARASSO, A. S.
Space marching difference schemes in the nonlinear inverse heat conduction problem
[PB91-144360] 17 p2773 N91-25350
CARASSO, M.
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649
CARBONI, JEANNE D.
Overview of NASP nozzle research 12 p1836 N91-20093
CARCAGNO, R.
Studies of cold protection diodes
[DE91-008203] 11 p1797 N91-19863
CARD, VICTOR
Certification procedures and requirements 18 p2928 N91-26154
Trends in certification procedures and design analysis 18 p2929 N91-26158
CARDABA, A. BARRIO
Nonlinear analysis of composite shear webs with holes and correlation with tests 16 p2645 N91-24642
CARDARELLI, R.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585
CARDELLI, JASON A.
The relationship between IR, optical, and UV extinction 06 p0887 N91-14899
CARDEN, HUEY D.
Free vibrations of thin-walled semicircular graphite-epoxy composite frames
[NASA-TP-3010] 05 p0674 N91-13750
Failure behavior of generic metallic and composite aircraft structural components under crash loads
[NASA-RP-1239] 05 p0675 N91-13751
CARDEN, JAMES R.
Rotationally actuated prosthetic helping hand
[NASA-CASE-MFS-28426-1] 24 p4080 N91-32795
CARDONA, A. H.
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981
CARDONI, G.
The TIR project: A balloon telescope for the measurement of CBR anisotropies 13 p2180 N91-22041
CARDONI, M.
A high throughput, multiband photometer for the TIR project 13 p2180 N91-22042
CARDOSO, ANTONIO H.
Steady gradually accelerating flow in a smooth open channel 12 p1897 N91-20434
CARDOSO, HUMBERTO PONTES
SCD 02 thermal design 11 p1657 N91-19129
SCD1 thermal design and test result analysis 11 p1657 N91-19130
CARDOSO, JANETTE
About Petri nets with fuzzy markings
[LAAS-90354] 08 p1212 N91-16670
CARDOSO, PAULO EDUARDO
Satellite control system nucleus for the Brazilian complete space mission 14 p2210 N91-22203
CARDOSOCRUZ, MARCOS ANTONIO
Telecommand software for the Brazilian complete space mission 14 p2209 N91-22196
CARDOSOGONNCALVES, S. LUCIANA SEDA
Telemetry processing and displaying software for the Brazilian complete space mission 14 p2209 N91-22198
CAREL, OLIVIER
Contribution of the satellite techniques to the surveillance of air traffic 02 p0177 N91-11005
CARETTE, P.
PROTHE: A software as a help for the studies in industrial thermal engineering
[ETN-90-97582] 01 p0109 N91-10634
CAREY, G. F.
Parallel supercomputing: Advanced methods, algorithms, and software for large-scale problems
[DE91-011430] 17 p2839 N91-25691
CAREY, GRAHAM F.
In situ vitrification: Numerical studies of coupled heat transfer and viscous flow processes
[DE91-001888] 07 p1002 N91-15501
CARHART, H. W.
Manual fire suppression methods on typical machinery space spray fires
[AD-A225311] 03 p0349 N91-11950
CARHART, HOMER W.
Chemical reduction of intermodulation interference caused by metal-oxide-metal junctions aboard ship
[AD-A239530] 23 p3812 N91-31265
CARICO, DAVID P.
Temperature distribution of dust in luminous IRAS galaxies 06 p0901 N91-14982
CARICO, DAVID PAUL
Properties of infrared-luminous galaxies, or, how I spent seven summer vacations 20 p3442 N91-29098
CARIGNAN, CLAUDE
H I studies of the sculptor group galaxies 08 p1249 N91-16876
H I and mass distribution of GR8 08 p1250 N91-16884
CARIGNAN, CRAIG R.
Constrained trajectory optimization for kinematically redundant arms
[NASA-CR-183477] 18 p2993 N91-26527
CARIGNAN, PIERRE J.
Asbestos-free insulant for rocket motors
[PATENT-1-263-227] 23 p3802 N91-31206
CARILLI, C. L.
Radio line and continuum observations of quasar-galaxy pairs and the origin of low reshift quasar absorption line systems 08 p1258 N91-16925
CARILLI, CHRIS
Multiband observations of Cygnus A: A study of pressure balance in the core of a powerful radio galaxy 05 p0745 N91-14151
Radio continuum observations of the quasar-galaxy pair 3C 232-NGC 3067 05 p0760 N91-14226
CARIM, A. H.
Characterization of chemically prepared PZT thin films
[DE90-010831] 08 p1232 N91-16789
CARINI, MICHAEL THOMAS
The time scales of the optical variability of blazars 16 p2701 N91-24957
CARISTI, JAMES
Multiplexing readout channels in proportional counters
[NASA-TM-103552] 23 p3873 N91-31606
CARLBERG, T.
Floating zone crystal growth of Ga-doped germanium (TEXTUS 10) ESA 23 p3835 N91-31387
Floating-zone experiments with germanium crystals (TEXUS 12) ESA 23 p3835 N91-31388
Floating zone growth of germanium crystals (TEXUS 14b) ESA 23 p3835 N91-31389
Semi-confined Bridgman growth of Ga-doped Ge (MASER 2) 23 p3836 N91-31390
Solidification of alloys (TEXUS 1) 23 p3837 N91-31400
Solidification of alloys (TEXUS 2) 23 p3838 N91-31401
Solidification of immiscible alloys: ZnBi (TEXUS 2) 23 p3840 N91-31415
Soldering in microgravity (TEXUS 5) 23 p3849 N91-31462
CARLE, STEVEN F.
Feasibility study of the seismic reflection method in Amargosa Desert, Nye County, Nevada
[DE91-001646] 06 p0847 N91-14676
CARLETON, ANDREW M.
A review of precipitation-related aspects of West Antarctic meteorology 18 p3001 N91-26574
CARLETON, F. B.
Laser initiated ignition of liquid propellant
[AD-A233777] 18 p2968 N91-26388
CARLEY, JAMES
Paste extrudable explosives: Their history and their current status
[DE90-009438] 08 p1121 N91-16159
CARLIER, P.
Second generation supersonic transport aircraft: Low speed aerodynamics
[AAAF-NT-89-02] 23 p3790 N91-31137
CARLILE, D.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157
CARLIN, BRADLEY P.
Hierarchical Bayesian analysis of change point problems
[AD-A228179] 08 p1211 N91-16666
CARLIN, C. M.
Effect of excess oxydianiline on the properties of polyimide
[AD-A237467] 21 p3488 N91-29351
CARLIN, D. B.
Linear laser diode arrays for improvement in optical disk recording
[NASA-CR-182098] 09 p1337 N91-17342
Improving the reliability and modal stability of high power 870 nm AlGaAs CSP laser diodes for applications to free space communication systems
[NASA-CR-4345] 10 p1528 N91-18413
CARLIN, DIANA M.
The effect of jet fuel exposure on advanced aerospace composites 2: Mechanical properties
[AD-A227529] 09 p1302 N91-17144
CARLIN, JAYNE
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
CARLIN, M. J.
Least-squares learning and approximation of posterior probabilities on classification problems by neural network models
[AD-A237140] 21 p3567 N91-29833
CARLIN, ROBERT A.
Feedback control formulations for a complex flexible structure utilizing reaction mass actuators
[AD-A233636] 16 p2676 N91-24814
CARLING, R. W.
Liquid propellant injector/combustor tests 16 p2580 N91-24298
CARLISLE, ALAN R.
Flight set 360L007 (STS-33R) case and seals, volume 2
[NASA-CR-184184] 22 p3641 N91-30262
CARLON, HUGH R.
Sampling and analysis of organophosphorus compounds on a thermoelectric cold plate using Fourier transform infrared emission spectroscopy
[AD-A225964] 04 p0501 N91-12782
CARLSMITH, D.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
CARLSON, A. L.
Visible spectroscopy diagnostics of light-ion beams
[DE91-017450] 24 p4100 N91-32908
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
CARLSON, C. W.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010
CARLSON, GRANT S.
MAMS: High resolution atmospheric moisture/surface properties 24 p4057 N91-32664
CARLSON, HERBERT C.
Planning for coordinated space and ground-based ionospheric modification experiments 10 p1552 N91-18535
CARLSON, HERBERT C., JR.
High power HF modification: Geophysics 10 p1546 N91-18508
CARLSON, J.
Light hypernuclei and hyperon-nucleon interaction
[DE91-004863] 09 p1395 N91-17674
CARLSON, K. D.
De Haas-van Alphen and Fermi surface studies of organic superconductors (ET)2X
[DE91-015137] 21 p3593 N91-29987
CARLSON, K. DOUGLAS
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582

CARLSON, LELAND A.
An initial investigation into methods of computing transonic aerodynamic sensitivity coefficients
[NASA-CR-188192] 16 p2545 N91-24099
Nonequilibrium radiation and chemistry models for aerocapture vehicle flowfields, volume 1
[NASA-CR-188196] 16 p2545 N91-24100
Nonequilibrium radiation and chemistry models for aerocapture vehicle flowfields, volume 2
[NASA-CR-188198] 16 p2545 N91-24101
Nonequilibrium radiation and chemistry models for aerocapture vehicle flowfields, volume 3
[NASA-CR-188195] 16 p2545 N91-24102
An initial investigation into methods of computing transonic aerodynamic sensitivity coefficients
[NASA-CR-188644] 19 p3100 N91-27130
Nonequilibrium radiation and chemistry models for aerocapture vehicle flowfields
[NASA-CR-188646] 19 p3111 N91-27191
CARLSON, MARTHENA
Understanding the adoption of Ada: Results of an industry survey
[AD-A226725] 08 p1198 N91-16585
CARLSON, MEADE W.
A two-dimensional photochemical model of the troposphere
[AD-A231163] 14 p2285 N91-22636
CARLSON, N.
Moving finite elements: A continuously adaptive method for computational fluid dynamics
[DE91-013391] 20 p3343 N91-28513
CARLSON, NANCY M.
Ultrasound generation through a fiber optic delivery system using pulsed laser energy
[DE91-001914] 05 p0711 N91-13970
Sensing of metal-transfer mode for process control of GMAW (Gas Metal Arc Welding)
[DE90-010946] 08 p1158 N91-16377
The dynamics of droplet formation and detachment in gas metal arc welding
[DE91-006130] 10 p1531 N91-18437
A model-based approach to intelligent control of gas metal arc welding
[DE91-006170] 10 p1532 N91-18439
CARLSON, O. N.
Internal friction peaks due to interstitials in bcc alloys
[DE91-007411] 11 p1683 N91-19272
CARLSON, R.
Time-resolved emittance measurements of an excimer-laser-driven metal photocathode
[DE91-013066] 20 p3351 N91-28558
CARLSON, R. L.
REX: A 5-MV pulsed-power source for driving high-brightness electron beam diodes
[DE91-014604] 21 p3503 N91-29443
CARLSON, S.
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
CARLSON, T. N.
Remote determination of soil moisture and evapotranspiration from thermal infrared measurements: Detection of a drying threshold
[PB91-195818] 21 p3535 N91-29641
CARLSON, TOBY N.
Remote measurement of soil moisture over vegetation using infrared temperature measurements
[NASA-CR-187382] 07 p1023 N91-15614
CARLSTEIN, EDWARD
Bootstrapping the sample mean for data with infinite variance
[AD-A225870] 04 p0576 N91-13206
CARLSTEN, B. E.
High-current relativistic klystron amplifier development for microsecond pulse lengths
[DE91-011409] 17 p2771 N91-25332
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
CARLSTROM, J. E.
CS J = 2 yields 1 emission toward the central region of M82 05 p0740 N91-14128
Dense gas and HII regions in the starburst galaxy NGC 253 05 p0759 N91-14220
CARLSTROM, T. N.
A multi-laser system for a fast sampling Thomson scattering diagnostic
[DE91-002708] 05 p0667 N91-13705
A silicon avalanche photodiode detector circuit for Nd:YAG laser scattering
[DE91-002709] 05 p0667 N91-13706
A compact, low cost, 7 channel polychromator for Thomson scattering measurements
[DE91-002719] 05 p0721 N91-14024
A real-time digital control, data acquisition and analysis system for the DIII-D multipulse Thomson scattering diagnostic
[DE91-002720] 05 p0721 N91-14025
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888
CARLTON, R. F.
Nuclear structure studies via neutron interactions
[DE91-012165] 20 p3398 N91-28831
CARMAN, H. S., JR.
Negative ion formation by Rydberg electron transfer: Isotope-dependent rate constants
[DE91-012058] 18 p3061 N91-26909
CARMAN, JOHN G.
Cloning crops in a CELSS via tissue culture: Prospects and problems 23 p3903 N91-31783
CARMEL, Y.
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
Experimental and theoretical studies of high power plasma filled backward wave oscillators
[AD-A231782] 14 p2259 N91-22500
CARMICHAEL, A.
Gravitational wave research 23 p3894 N91-31732
CARMICHAEL, C. A.
Microstructure and mechanical properties of Ni3Al-based alloys reinforced with particulates
[DE91-005515] 09 p1316 N91-17222
CARMIGNIANI, VINCENT
Study of pilot vigilance during long range flight 08 p1194 N91-16561
CARN, NATHALIE
Knowledge based framework for man-system interaction in space control centres 14 p2216 N91-22249
CARNAHAN, CHALON L.
Coupled transport processes in semipermeable media. Part 2: Numerical method and results
[DE91-004140] 05 p0729 N91-14073
Coupled transport processes in semipermeable media. Part 1: Analytical solutions of the linearized governing equations
[DE91-004138] 06 p0884 N91-14887
CARNALL, W. T.
Vibronic interaction and crystal structure distortion in Cm4(+):CeF4
[DE91-006093] 09 p1415 N91-17787
CARNE, T. G.
Damping measurements using operational data
[DE91-002781] 06 p0841 N91-14646
Force reconstruction using the inverse of the mode-shape matrix
[DE91-016407] 23 p3886 N91-31689
CARNEGIE, ANDREW
A design testbed for distributed V/UHF networks with mobile terminals 22 p3661 N91-30382
CARNELL, D. G.
NIST calibration procedure for vertically polarized monopole antennas 30 kHz to 300 MHz
[PB91-185124] 21 p3501 N91-29432
CARNES, B. A.
Protection by WR-2721 and WR-151327 against late effects of gamma rays and neutrons
[DE90-017792] 02 p0243 N91-11352
CARNES, JAMES R.
Intelligent monitoring and diagnosis systems for the Space Station Freedom ECLSS 12 p1942 N91-20683
CARNEY, BRUCE W.
Optical/IR from ground 24 p4119 N91-33020
CARNEY, DAVID J.
Report on the Software Technology for Adaptable, Reliable Systems (STARS) Conference on Frameworks Convergence
[AD-A239691] 23 p3915 N91-31862
CARNEY, L. L.
Contributions of polymers to bentonite and saponite fluids
[DE91-009855] 16 p2607 N91-24450
CARNEY, ROBERT S.
Proceedings of a workshop on Northern Gulf of Mexico Environmental Studies Planning
[PB90-259805] 09 p1359 N91-17471
CARNOCHAN, DAVID J.
The detection of a broad interstellar extinction feature near 1700 A 06 p0887 N91-14900
CARO, A.
The stability of irradiation-induced defects in Ni3Al
[DE91-005514] 10 p1605 N91-18856
CARO, J. A.
The stability of irradiation-induced defects in NiAl
[DE90-017744] 02 p0197 N91-11103
CAROFF, L. J.
SOFIA: A Stratospheric Observatory for Infrared Astronomy
[NASA-TM-103840] 24 p4121 N91-33033
CAROLI, JOSEPH A.
A survey of reliability, maintainability, supportability, and testability software tools
[AD-A236148] 20 p3383 N91-28745
CAROLLO, SALVATORE L.
Optically linked EHF antenna array
[AD-A226101] 04 p0515 N91-12865
CARON-POPOWICH, RSUE
Electron microscopy and electrochemistry of nickel oxide films for electrochromic devices produced by different techniques
[DE90-011596] 08 p1118 N91-16142
CARONE, TIMOTHY EDWARD
Long slit CCD observations of active and normal galaxies 07 p1081 N91-15950
CARPENTER, ANITA S.
Low-g payload placement constraints for space station 03 p0432 N91-12422
CARPENTER, D. A.
Analysis of aluminum oxide ceramic
[DE90-016517] 01 p0029 N91-10175
Fast, high-resolution x ray microfluorescence imaging
[DE91-010658] 17 p2757 N91-25261
CARPENTER, D. L.
Testing for lightning as a source of radio bursts observed on the nightside of Venus
[NASA-CR-187364] 02 p0293 N91-11645
CARPENTER, DAVID
Recommended carbon dioxide and relative humidity levels for maintaining acceptable indoor air quality
[AD-A230026] 13 p2129 N91-21717
CARPENTER, DEAN E.
Environmental monitoring and assessment program: Ecological indicators
[PB91-141796] 16 p2654 N91-24683
CARPENTER, DONALD L.
A satellite-ground study of the dynamics of the bulge region of the Earth's magnetosphere 10 p1627 N91-18974
CARPENTER, ELISABETH J.
An application of multiattribute decision analysis to the Space Station Freedom program. Case study: Automation and robotics technology evaluation
[NASA-CR-187432] 05 p0627 N91-13476
CARPENTER, J. M.
Cold moderators for pulsed neutron sources
[DE91-010594] 15 p2503 N91-23866
CARPENTER, J. R.
Simulation and analyses of the aeroassist flight experiment attitude update method
[NASA-TM-102174] 15 p2387 N91-23210
CARPENTER, K. G.
On the disappearance of O I in some high-luminosity cool stars 09 p1436 N91-17911
CARPENTER, K. H.
Development of a numerical computer code and circuit element models for simulation of firing systems
[DE91-007162] 11 p1776 N91-19739
A differential equation approach to minor loops in the Jiles-Atherton hysteresis model
[DE91-011448] 17 p2860 N91-25814
CARPENTER, M. H.
The direct simulation of high-speed mixing-layers without and with chemical heat release 13 p2017 N91-21095
CARPENTER, MARK H.
Modeling of high speed chemically reacting flow-fields 02 p0149 N91-10870
CARPENTER, ROY B., JR.
Advances in lightning protection that satisfies contemporary standards 24 p4069 N91-32731
CARPENTER, S. H.
Changes with material properties of acoustic emission produced during single point machining
[DE91-011913] 20 p3332 N91-28452
Origin of acoustic emission produced during single point machining
[DE91-011915] 20 p3332 N91-28453

CARPENTER, THOMAS W.
Design and evaluation of thrust vectored nozzles using a multicomponent thrust stand
[NASA-CR-180474] 02 p0187 N91-11050
CARPENTER, WARREN A.
Optical testing cryogenic thermal vacuum facility
11 p1658 N91-19137
CARPER, DOUGLAS M.
Large deformation behavicr of long shallow cylindrical composite panels
[NASA-CR-4355] 13 p2100 N91-21557
CARPINO, MARC
Analysis of foil bearings for high speed operation in cryogenic applications 20 p3297 N91-28231
CARR, E.
Icing test programmes and techniques
23 p3795 N91-31171
CARR, G. L.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
CARR, HILARY J.
Electrostatic transducers for airborne ultrasonics
22 p3620 N91-30138
CARR, JOHN
A near infrared spectroscopic study of the interstellar gas in the starburst core of M82
05 p0759 N91-14221
CARR, JON R.
Apparatus for guiding a missile
[AD-D014866] 18 p2927 N91-26147
CARR, M.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
CARR, STEPHEN H.
PBT, PBO-based hybrid polymers with nonlinear optical properties or high electrical conductivity
[AD-A226646] 05 p0640 N91-13552
CARR, T. D.
A catalog of high resolution Jovian decametric radio noise burst spectra, volume 1 18 p3083 N91-27047
CARRARA, VALDEMIR
Real time assisted tracking for low Earth orbit satellites
[INPE-5157-PRE/1636] 13 p2031 N91-21170
Attitude control simulation of the data collecting satellite: SCD2
[INPE-5159-PRE/1638] 13 p2040 N91-21218
CARRAWAY, DEBRA L.
Convective response of a wall-mounted hot-film sensor in a shock tube 12 p1900 N91-20451
CARRE, D. J.
The use of sclid ceramic and ceramic hard-coated components to prolong the performance of perfluoropolyalkylether lubricants
[AD-A229296] 22 p3652 N91-30327
CARRE, FRANCOISE
Knowledge based framework for man-system interaction in space control centres 14 p2216 N91-22249
CARREIRO, L. R.
Airbreathing booster performance optimization using a microcomputer 16 p2568 N91-24235
CARRENO, VICTOR A.
Analog-digital simulation of transient-induced logic errors and upset susceptibility of an advanced control system
[NASA-TM-4241] 03 p0408 N91-12279
A case study for the real-time experimental evaluation of the VIPER microprocessor
[NASA-TM-104098] 23 p3861 N91-31531
CARRERAS, B. A.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
Plasma turbulence calculations on the Intel iPSC/860 (RX) hypercube
[DE91-004773] 07 p1070 N91-15884
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856
Effect of the aspect ratio on the stability limits of TJ-II-like stellarators
[DE91-011364] 17 p2868 N91-25867
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
CARRIER, ALAIN CHARLES
Modeling and shape control of a segmented-mirror telescope 10 p1615 N91-18910
CARRIER, G. F.
Basic research on flame radiation
[PB91-182980] 19 p3128 N91-27282
Initiation and modification of reaction by energy addition: Kinetic and transport phenomena
[AD-A229591] 22 p3646 N91-30293
CARRIER, W. DAVID, III
Oxygen production processes on the Moon: An overview 17 p2903 N91-26034
CARRIERE, A.
Numerical simulation of electromagnetic acceleration by induction. Part 1: Thin loops
[ISL-R-102/89-PT-1] 01 p0035 N91-10205
CARRINGTON, WILLIAM A.
Method of growing diamond film on substrates
[AD-D014632] 06 p0811 N91-14479
CARRO, M.
Habitability: CAMELOT 4 10 p1479 N91-18150
CARROLL, BONNIE C.
Data policy and availability supporting global change research, development, and decision-making: An information perspective
[NASA-TM-105137] 22 p3698 N91-30592
CARROLL, DAVID P.
Predicting the performance of airborne antennas in the microwave regime
[AD-A230501] 12 p1885 N91-20363
CARROLL, EILEEN A.
Structure and properties of high symmetry composites
[AD-A226479] 04 p0499 N91-12769
CARROLL, JOHN D.
Evaluation of telerobotic systems using an instrumented task board 12 p1937 N91-20658
CARROLL, M. A.
The atmospheric effects of stratospheric aircraft: A current consensus
[NASA-RP-1251] 08 p1175 N91-16467
CARROLL, ROBERT L.
Digital redesign of the control system for the Robotics Research Corporation model K-1607 robot
17 p2881 N91-25930
CARROLL, STANLEY N.
Low-g payload placement constraints for space station 03 p0432 N91-12422
CARRUTH, M. R., JR.
Characterization of a 5-eV neutral atomic oxygen beam facility 12 p1952 N91-20736
CARRUTH, RALPH
Findings of the Joint Workshop on Evaluation of Impacts of Space Station Freedom Ground Configurations
12 p1950 N91-20728
Findings of the Joint Workshop on Evaluation of Impacts of Space Station Freedom Ground Configurations
[NASA-TM-103717] 14 p2236 N91-22370
CARRUTHERS, DAVID J.
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165
CARRUTHERS, GEORGE R.
UV-optical from space 24 p4119 N91-33021
CARRUTHERS, P.
Dynamical behavior of excited hadronic matter
[DE91-013024] 20 p3400 N91-28845
CARSON, GEORGE T., JR.
Static internal performance of an axisymmetric nozzle with multiaxis thrust-vectoring capability
[NASA-TM-4237] 07 p0935 N91-15125
Aeropropulsive characteristics of canted twin pitch-vectoring nozzles at Mach 0.20 to 1.20
[NASA-TP-3060] 14 p2185 N91-22069
CARSON, J. A.
SSC dipole magnet measurement and alignment using laser technology
[DE90-014881] 01 p0047 N91-10281
CARSON, N.
Proposal pressure in the 1980s: An indicator of stress on the Federal Research System
[PB90-253147] 02 p0283 N91-11593
CARSON, R. F.
Optically-triggered GaAs thyristor switch s: Integrated structures for environmental hardening
[DE91-001355] 06 p0824 N91-14553
Monolithically integrated GaAs thyristor-transistor as a hardened optically-triggered switch
[DE91-000040] 07 p0999 N91-15486
Optically-triggered hardened thyristors for firing set circuits
[DE91-000041] 07 p0999 N91-15487
CARSON, SCOTT
A distributed user information system
[AD-A225362] 03 p0428 N91-12396
CARSTENS, DEAN H. W.
An apparatus for studies of hydrogen isotope exchange over metals using laser-Raman spectroscopy
[DE90-018038] 02 p0194 N91-11085
CARSTENS, VOLKER
The calculation of unsteady compressible flow about oscillating airfoil profiles using the Euler upwind method
02 p0159 N91-10921
CARSWELL, R. F.
Are quasars different 09 p1431 N91-17878
CARTER, C. B.
Fundamental studies of electronic packaging materials and structures: Surface and interfaces
[AD-A232336] 15 p2420 N91-23403
CARTER, CAMPBELL D.
Quenching-independent measurement of species concentrations in flames by laser-induced fluorescence
[DE91-000795] 04 p0502 N91-12787
CARTER, DANIEL
Protein purification in multicompartment electrolyzers for crystal growth of r-DNA products in microgravity
11 p1757 N91-19665
CARTER, DANIEL C.
X ray sensitive area detection device
[NASA-CASE-MFS-28232-1] 06 p0874 N91-14835
Hanging drop crystal growth apparatus
[NASA-CASE-MFS-26061-1] 08 p1236 N91-16815
Protein crystal growth tray assembly
[NASA-CASE-MFS-28507-1] 15 p2514 N91-23933
Three-dimensional structure of human serum albumin
15 p2538 N91-24057
Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] 17 p2780 N91-25388
CARTER, G. M.
Wideband heterodyne spatial tracking for optical space communications
[AD-A233722] 18 p2973 N91-26410
CARTER, J. G.
Negative ion formation with electron impact to simulants
[AD-A237478] 21 p3575 N91-29881
Effective ionization coefficients, electron drift velocities, and limiting breakdown fields for gas mixtures of possible interest to particle detectors
[DE91-015921] 23 p3862 N91-31532
CARTER, J. P.
Some recent applications of numerical methods to geotechnical analysis
[PB90-201229] 01 p0112 N91-10655
CARTER, JERRY
Analysis of high frequency seismic data
[AD-A235579] 19 p3200 N91-27687
CARTER, JOYCE G.
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702
CARTER, L. L.
Parametric design calculations using Green's function to determine unique source
[DE91-014683] 21 p3572 N91-29861
CARTER, M. D.
Fast-wave current drive modelling for large non-circular tokamaks
[DE91-000562] 04 p0584 N91-13261
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
CARTER, MICHAEL
The design of a scalable, fixed-time computer benchmark
[DE91-007118] 10 p1566 N91-18609
CARTER, N. L.
Mechanical properties and modeling of seal-forming lithologies
[DE91-010741] 17 p2784 N91-25404
CARTER, THOMAS E.
Optimal trajectories based on linear equations
09 p1293 N91-17105
CARTER, W. B.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
CARTLEDGE, ALAN
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697
CARTLEDGE, ROBERT M.
Medical management of combat laser eye injuries
17 p2827 N91-25619
CARTON, CHARLES
Conference on Space Technology: Satellite Application Development
[REPT-911-440-103] 15 p2388 N91-23219
Remote sensing performances
[REPT-911-440-101] 15 p2457 N91-23615
CARTWRIGHT, D. E.
Oceanic tide maps and spherical harmonic coefficients from Geosat altimetry
[NASA-TM-104544] 22 p3708 N91-30639
CARTWRIGHT, DAVID C.
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282

CARUSI, A.
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0809 N91-13389
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390

CARUSO, MICHAEL J.
Altimeter processing tools for analyzing mesoscale ocean features
[AD-A231904] 14 p2292 N91-22677

CARUSO, STEVEN C.
Aerodynamic design of Pegasus (trademark): Concept to flight with CFD 06 p0773 N91-14285

CARUTHERS, C. M.
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719
CTD writing and editing standards
[DE91-010327] 16 p2618 N91-24496

CARVALHO, C. L.
Superconducting films made by spin-coating of acetate solutions
[DE91-011119] 17 p2872 N91-25888

CARVALHO, M. HELENA
Short crack behaviour in Al-Li alloy 2090 02 p0222 N91-11243

CARVER, PATRICIA T.
Novel chemical and optical diagnostic techniques
[AD-A235587] 19 p3124 N91-27256

CARYOTAKIS, G.
High gradient electron guns
[DE91-000056] 06 p0790 N91-14369

CARYTON, L.
Geographic information systems, 1990
[PB91-108423] 09 p1422 N91-17828

CASALE, ELENA
Protein purification in multicompartment electrolyzers for crystal growth of r-DNA products in microgravity 11 p1757 N91-19665
Three-dimensional structure of human serum albumin 15 p2538 N91-24057

CASALNUOVO, S. A.
The development of a rugged accelerometer
[DE91-007731] 11 p1708 N91-19407

CASANOVA, EDGAR J.
Gamma ray collimator
[NASA-CASE-SSC-00013-1] 24 p4029 N91-32515

CASASENT, DAVID
Optical neural nets for scene analysis
[AD-A229794] 12 p1981 N91-20900
Optical neural nets for scene analysis
[AD-A235955] 19 p3245 N91-27948
Multitarget tracking using optical processing
[AD-A237107] 21 p3581 N91-29918
Multitarget tracking using optical processing
[AD-A239656] 23 p3928 N91-31953

CASDAGLI, M.
Nonlinear modeling of chaotic time series: Theory and applications
[DE91-013076] 20 p3435 N91-29055

CASDAGLI, MARTIN
Application of nonlinear time series models to driven systems
[DE91-005949] 10 p1586 N91-18743

CASE, A. M.
Navigation, guidance, and trajectory optimization for hypersonic vehicles 15 p2376 N91-23150

CASE, C. M.
A knowledge-based approach to configuration layout, justification, and documentation 12 p1943 N91-20690

CASE, JAMES
Probing the interstellar medium of external galaxies using quasar absortion lines: The 3C 232/NGC 3067 system 05 p0760 N91-14227

CASE, JOHN M., JR.
Software metrics useful tools or wasted measurements
[AD-A229951] 12 p1879 N91-20328

CASE, K.
Cellular automata and parallel processing for practical fluid-dynamics problems
[AD-A229234] 09 p1388 N91-17635

CASE, W. E.
Scanning system for measuring uniformity of laser detector response and laser beam dimensions
[PB90-257619] 02 p0216 N91-11207

CASERTA, ANTHONY L.
Avioptic plug-in interconnection
[PATENT-1-254-415] 23 p3927 N91-31946

CASEY, CHARLES P.
Organometallic chemistry of bimetallic compounds
[DE90-017601] 01 p0020 N91-10121

CASEY, R.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651

CASEY, SEAN
Peering beyond IRAS: The 100 to 350 micron dust emission from galaxies 05 p0743 N91-14141

CASHWELL, J. W.
TRANSNET: A means of accessing hazardous materials transportation models and databases
[DE91-009980] 16 p2699 N91-24949

CASILLAS, NORBERTO
Correlation of electron-transfer rates with the surface density of states of native and anodically grown oxide films on titanium
[AD-A230101] 12 p1987 N91-20934

CASNER, S.
Network communications research
[AD-A236542] 19 p3152 N91-27421

CASOLI, F.
CO observations of southern mergers 05 p0754 N91-14197
The molecular spiral arms of NGC 6946 05 p0761 N91-14231

CASOTTO, STEFANO
Nominal ocean tide models for TOPEX precise orbit determination 02 p0183 N91-11029

CASPAR, RAOUL
Role and interest of new technologies in data processing for space control centers 14 p2210 N91-22206

CASPER, JAY
An extension of essentially nonoscillatory shock-capturing schemes to multidimensional systems of conservation laws 17 p2774 N91-25355

CASPER, PAUL W.
The effect of the Earth's oblate spheroid shape on the accuracy of a time-of-arrival lightning ground strike locating system 24 p4064 N91-32706

CASPER, T. A.
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
Physics data base for the Beam Plasma Neutron Source (BPNS)
[DE91-002796] 06 p0876 N91-14842

CASPERSON, D. E.
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556

CASS, G. R.
Methods of analysis for complex organic aerosol mixtures from urban emission sources of particulate carbon
[DE91-001722] 05 p0686 N91-13814

CASS, R. D.
Design of experiments to quantify communication satellite system performance
[PB91-129635] 13 p2069 N91-21395

CASS, TODD A.
Feature matching for object localization in the presence of uncertainty
[AD-A231405] 13 p2137 N91-21766

CASSADY, JOSEPH
Arcjet endurance test program
[AD-A235232] 18 p2937 N91-26198

CASSATELLA, ANGELO
The ultraviolet spectrum of FG Sge 09 p1438 N91-17925
Nova LMC 1990 no. 2: The first extragalactic recurrent nova 09 p1441 N91-17944
The 1987 outburst of the recurrent nova V394 Coronae Austrinae 09 p1442 N91-17947
Narrow circumstellar emission lines in SN 1987A 09 p1443 N91-17953

CASSATT, WAYNE A.
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532

CASSELL, KEITH
Reusability Library Framework (RLF)
[AD-A229308] 22 p3724 N91-30725

CASSELL, P.
Fiber Optic Tactical Local Network (FOTLAN) 15 p2540 N91-24072

CASSEM, BRIAN
Model 320-2: A compact advanced UAV turbojet 16 p2578 N91-24292

CASSIDAY, BRIAN K.
Multidisciplinary modeling and design of a space structure
[AD-A230626] 12 p1856 N91-20198

CASSIDAY, GEORGE
Particle astrophysics 24 p4120 N91-33024

CASSIDY, P. E.
Ultraviolet stability of polymers containing the hexafluoroisopropylidene group
[AD-A236255] 19 p3142 N91-27362

CASSIDY, PATRICK E.
Trifluoromethyl-substituted polymers
[NASA-CR-186955] 01 p0029 N91-10170
Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] 19 p3117 N91-27220

CASSINELLI, J. P.
Dust in regions of massive star formation 06 p0899 N91-14972

CASSTEVENS, MARTIN K.
Chemical processing of novel multifunctional materials for sensor protection against laser threats
[AD-A237716] 22 p3683 N91-30505

CASTAGNA, ANDRE
Static strain and vibration characteristics of a metal semimonocoque helicopter tail cone of moderate size
[NASA-CR-187576] 23 p3885 N91-31679

CASTAIN, R.
Effects of processing parameters on the laser deposition of high temperature superconducting thin films
[DE91-005937] 09 p1343 N91-17374

CASTAING, J.
Creep and diffusion in nonstoichiometric oxides
[DE91-013766] 20 p3329 N91-28435

CASTAN, C.
RADAC model deformation measurement system: First results at the F1 wind tunnel
[AAAF-NT-89-03] 23 p3784 N91-31098

CASTANEDA, PEDRO P.
The overall response of composite materials undergoing large elastic deformations
[AD-A231637] 13 p2047 N91-21260

CASTEL, M.
Space radiation effects on power MOSFET: Threshold-voltage shift with dose rate 24 p4001 N91-32363

CASTELLANO, M. G.
Cryostat for the gravitational antenna ALTAIR
[IFSI-90-3] 05 p0651 N91-13616

CASTELLI, F.
The features at 130.55 and 130.95 nm in B type stars 09 p1434 N91-17899

CASTELLI, M. G.
Analysis of thermomechanical fatigue of unidirectional titanium metal matrix composites
[NASA-TM-104105] 23 p3884 N91-31677

CASTEN, R. F.
Empirical proton-neutron interaction energies and nuclear structure
[DE90-017632] 02 p0268 N91-11500
Algebraic approaches to nuclear structure
[DE91-015214] 21 p3573 N91-29870

CASTILLO, S. P.
Experimental study of narrow slot, cavity-backed apertures with finite wall conductivity
[DE91-009039] 15 p2411 N91-23352

CASTILLO, V.
Beam current monitoring in the AGS booster and its transfer lines
[DE91-013328] 20 p3404 N91-28870

CASTLE, J. G.
Borehole Radar Evaluation Program: Antenna designs for optimal directionality
[DE91-014322] 20 p3336 N91-28475

CASTLE, P. M.
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478

CASTLEMAN, A. W., JR.
Studies of oxide anions
[AD-A236812] 19 p3243 N91-27935

CASTLEMAN, DEBORAH R.
Direct broadcast satellites: A competitive alternative to cable television?
[RAND-R-4047-MF/RL] 19 p3111 N91-27190

CASTLEMAN, WAYNE
Application of high-temperature superconductors to high-precision accelerometers 05 p0724 N91-14042

CASTOR, J. I.
Plasma spectroscopy simulations with the ALTAIR code
[DE91-011201] 17 p2867 N91-25862

CASTOR, JOHN I.
The origin and development of instabilities in radiatively-driven stellar winds
[DE91-005430] 09 p1427 N91-17857
The 2-D axisymmetric line transport
[DE91-005226] 10 p1617 N91-18915

CASTRO-RODRIGUEZ, FRANCISCO
International standardization of future air navigation systems Automatic Dependent Surveillance (ADS) ICAO ADS Panel activities 24 p3955 N91-32096
CASTRO, DANIEL E.
Threshold for fatigue crack propagation at simulated operating loads
[ESA-TT-1187] 15 p2447 N91-23553
CASTRUCCI, FILIPPO
Vertebral column length changes during simulated microgravity 11 p1747 N91-19604
CATALA, C.
Pre-main sequence stars 09 p1429 N91-17863
CATALANO, A.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480
CATALANO, L. A.
Two dimensional optimization of smoothing properties of multistage schemes applied to hyperbolic equations
[VKI-TN-173] 15 p2493 N91-23807
CATALANO, S.
The chromospheric Lyman-alpha core emission of Altair 09 p1436 N91-17913
CATALTEPE, TAYFUN
A study of strong stability of distributed systems
[NASA-CR-187421] 06 p0862 N91-14766
CATANI, J.-P.
Satellite qualification tests for electrostatic discharges 07 p0960 N91-15284
CATCHPOLE, B. G.
Design and preliminary development of an engine for small unmanned air vehicles
[ARL-PROP-R-184] 10 p1472 N91-18110
CATES, G. D.
The physics of laser polarized muonic atoms
[DE91-008045] 11 p1794 N91-19845
CATES, M. R.
Laser-induced fluorescence of phosphors for remote cryogenic thermometry
[DE91-001733] 05 p0662 N91-13681
Evaluation of thermographic phosphor technology for aerodynamic model testing
[DE91-005631] 10 p1461 N91-18060
Dynamic high-temperature-phosphor thermometry
[DE91-005632] 10 p1526 N91-18405
CATFORD, J. R.
Research into a mission management aid 04 p0484 N91-12693
CATIPOVIC, JOSKO A.
VOICE: A spectrogram computer display package
[AD-A225214] 03 p0406 N91-12262
CATLIN, J. D.
Coordination and synchronization of loran-C and GPS to universal coordinated time
[AD-A233221] 17 p2734 N91-25141
CATNEY, M. G.
IUE, optical and radio observations of high velocity gas components in the nearby interstellar medium 09 p1443 N91-17955
CATON, P. D.
Immiscible alloy system Al-Pb (TEXUS 7) 23 p3842 N91-31422
CATRYSSE, J.
Grounding, shielding, and bonding 19 p3148 N91-27395
Design principles of effective EMC 19 p3148 N91-27399
CATS, G.
Impact of SASS wind data on analyses and forecasts of a fine mesh limited area model
[BCRS-89-38] 01 p0093 N91-10544
CATTELL, CYNTHIA A.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
CATTIN, E.
Infrared thermography for the qualitative aerodynamic study of a slender body
[ISL-R-122/89] 13 p2018 N91-21104
Comparison study of the aerodynamic coefficients measured on models with circular or squared section and large elongation in supersonic flow
[ISL-R-125/89] 13 p2019 N91-21106
CATTO, P. J.
Fundamental studies of fusion plasmas
[DE91-015656] 21 p3589 N91-29964
CATTON, I.
Heat pipe dynamic behavior
[NASA-CR-187422] 05 p0656 N91-13645
CATURA, RICHARD C.
High energy from space 24 p4119 N91-33023
CAUBLE, R.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903
CAUGHMAN, J. B. O., II
An assessment of the lifetime of Faraday shield elements
[DE91-012228] 20 p3334 N91-28463
CAULEY, M. A.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405
CAULEY, MICHAEL A.
GaAs monolithic RF modules for SARSAT distress beacons
[NASA-TM-104338] 13 p2034 N91-21184
CAULFIELD, J.
Signal processing development
[AD-A226593] 05 p0725 N91-14052
CAUOCS, MICHAEL R.
Objective use of satellite altimetry and IR in simulations of western boundary current dynamics
[AD-A231628] 13 p2125 N91-21695
CAUSEY, R. A.
Comparison of the thermal stability of the codeposited carbon/hydrogen layer to that of the saturated implant layer in graphite
[DE90-012148] 08 p1118 N91-16144
CAUSEY, ROBERT L.
Artificial intelligence project
[AD-A230793] 12 p1967 N91-20827
CAUX, EMANUEL
The 3.3 micron emission feature: Map of the galactic disk, 10 deg less than 1 less than 35 deg, - 6 deg less than b less than 6 deg 06 p0892 N91-14928
The origin of the galactic emission in IRAS data 06 p0900 N91-14974
CAVACCINI, G.
Detection of impact damage in composites by holographic interferometry 03 p0329 N91-11834
CAVAGE, WILLIAM, JR.
Structural tests of aircraft window assembly equipped with smoke evacuation valve
[DOT/FAA/CT-TN89/44] 01 p0009 N91-10051
CAVALIERE, FEDERICO
Future mission control center: An operative scenario 14 p2210 N91-22208
CAVALLO, A.
Parameter space design of robust flight control systems 07 p1042 N91-15718
CAVANAGH, PETER R.
Biomedical perspectives on locomotion in null gravity 01 p0100 N91-10583
CAVANAUGH, DAVID B.
Optical fiber-to-channel waveguide coupler
[AD-D014598] 07 p0984 N91-15399
CAVANAUGH, JOHN F.
High-resolution measurements of surface topography with airborne laser altimetry and the global positioning system 17 p2795 N91-25462
Visible and near infrared observation on the Global Aerosol Backscatter Experiment (GLOBE) 17 p2799 N91-25486
CAVANNA, F.
The UA1 uranium/warm liquid calorimeter: Calibration, study of the energy response and of compensation
[NOTA-INTERNA-950] 12 p1901 N91-20459
CAVASIN, DANIEL
Ion beam modification of surface for improved high temperature performance
[AD-A228067] 08 p1134 N91-16243
CAVAZOS, ODILON V., JR.
A flow visualization study of LEX generated vortices on a scale model of a F/A-18 fighter aircraft at high angles of attack
[AD-A236534] 19 p3102 N91-27138
CAVE, F.
Programmable logic controller applied for test facility control at ESTEC 07 p0960 N91-15282
CAVE, N. G.
Characterization of interphases between PMDA/4-BDAF polyimides and silver and graphite substrates using x ray photoelectron spectroscopy
[AD-A235567] 19 p3138 N91-27337
CAVEDON, A.
Influence of adhesive polymerization conditions on the durability of adhesive joints
[DCR/I-03357-90] 23 p3819 N91-31305
CAVENY, LEONARD H.
SDIO electric propulsion requirements 16 p2575 N91-24269
CAVES, ROBERT
A review of UK aviation policy
[TT-9107] 22 p3609 N91-30076
CAVICCHI, B. T.
Progress toward the development of dual junction GaAs/Ge solar cells 11 p1666 N91-19184
Radiation hardness of Ga0.5In0.5 P/GaAs tandem solar cells 22 p3638 N91-30243
CAVICCHI, ELIZABETH
Nonlinear optical spectroscopy of polymers
[AD-A226515] 04 p0509 N91-12830
Nonlinear optics and organic materials
[AD-A226953] 06 p0873 N91-14831
CAYAN, D. R.
Large-scale ocean atmospheric variability associated with hydrological extremes in Western North America
[PB91-159400] 17 p2812 N91-25540
CAYAN, DANIEL RICHARD
Variability of latent and sensible heat fluxes over the oceans 08 p1188 N91-16531
CAYARD, MICHAEL SCOTT
Fracture toughness characterization of polymers 23 p3818 N91-31296
CAYLESS, RICHARD ARTHUR
Surface treatment of metals
[EP-PATENT-0-367-504-A2] 06 p0807 N91-14453
CAYSON, STEPHEN C.
Analysis of the flutter characteristics of the advanced kinetic energy missile (ADKEM) control surface
[AD-A232377] 15 p2383 N91-23193
CAYTON, T. E.
The 1983 tail-era data series. Volume 3: Geosynchronous particle measurements
[NASA-TM-105038] 22 p3774 N91-31045
Solar particle events during the rising phase of solar cycle 22
[DE91-016042] 24 p4124 N91-33049
CAZALA-HOURCADE, E.
Choice of a differential method for attitude restitution with dynamic imbalance
[CNES-NT-126] 23 p3801 N91-31202
CAZIER, F. W., JR.
Structural dynamic and aeroelastic considerations for hypersonic vehicles
[NASA-TM-104110] 19 p3101 N91-27133
CAZZANIGA, L. A.
Toward a block-copolymer-emulsified, tough blend of isotactic polystyrene and polybutadiene: HIiPS
[AD-A231934] 14 p2249 N91-22443
CEBECI, TUNCER
Prediction of ice shapes and their effect on airfoil performance
[NASA-TM-103701] 11 p1640 N91-19047
CEBULA, R. P.
Ten years of solar change as monitored by SBUV and SBUV/2 03 p0448 N91-12503
A status report on the analysis of the NOAA-9 SBUV/2 sweep mode solar irradiance data 11 p1731 N91-19518
CECCARELLI, C.
Design of a He4 cooling system for a cryostat working at 1K
[IFSI-89-17] 06 p0815 N91-14502
CECCHI-PESTELLINI, C.
Production and transfer of UV photons in non-homogeneous spherical clouds 06 p0899 N91-14966
CECCHI, GIOVANNA
Remote sensing of the sea at IROE/CNR 15 p2455 N91-23604
CECCIO, STEVEN LOUIS
Observations of the dynamics and acoustics of travelling bubble cavitation
[AD-A225375] 03 p0366 N91-12052
CECCONI, V.
Performances of an emulator farm for the data processing of high energy physics experiments
[ETN-91-98880] 12 p1979 N91-20889
CECIL, F. E.
Colorado School of Mines fusion gamma ray diagnostic project
[DE91-009259] 13 p2157 N91-21889
CECIL, G. N.
Large scale excitation of the ISM in NGC 1068 05 p0745 N91-14150
CECIL, GERALD
Imaging spectrophotometry of the nuclear outflow of NGC 1068 05 p0744 N91-14149
The Hawaii Imaging Fabry-Perot Interferometer (HIFI) 05 p0763 N91-14240
CEDERWALL, R. T.
Sensitivity of numerical dispersion modeling to explosive source parameters
[DE91-009476] 15 p2460 N91-23631
CEGLIO, N. M.
Reflection mask technology for soft x ray projection lithography
[DE91-012561] 20 p3405 N91-28877
Distortion free projection lithography
[DE91-016570] 24 p4101 N91-32916
Wafer cost analysis for a soft x ray projection lithography system
[DE91-016605] 24 p4102 N91-32918

CELESTE, J.
X ray Tomographic Microscopy (XTM)
[DE91-011930] 20 p3357 N91-28599
CELESTINA, MARK L.
Average-passage flow model development
16 p2587 N91-24338
CELI, O.
Evaluation of the damages caused by lightning current flowing through bearings 24 p4051 N91-32632
CELIK, I.
Aerodynamic drag characterization and deposition studies of irregular particles. Part 3: Analysis of flow and temperature field inside the Combustion Deposition Entrained Reactor (CDER)
[DE90-000466] 08 p1137 N91-16259
CELLIER, F.
Modeling, simulation, and control of an extraterrestrial oxygen production plant 16 p2597 N91-24389
CELMINS, AIVARS
Feasibility of cosmic-ray muon intensity measurements for tunnel detection
[AD-A223355] 05 p0768 N91-14266
CELMINS, ILMARS
Prediction and comparison with measurements of the aerodynamic characteristics of flare-stabilized XM910 prototypes
[AD-A208099] 01 p0001 N91-10005
The effect of sabot wheelbase and position on the launch dynamics of fin-stabilized kinetic energy ammunition
[AD-A234945] 18 p2922 N91-26118
CELSODECARVALHO, VITOR
Contributions of remote sensing to forest resources management: State of the art and perspectives
[INPE-5248-PRE/1679] 22 p3696 N91-30579
CEN, RENYUE
Hydrodynamic simulations of cosmology
23 p3939 N91-32013
CENCI, A.
Time and frequency comparisons in Europe by means of ECS 5 geostationary satellite
17 p2851 N91-25764
CENTER, CHRISTOPHER J.
NY-NEX Rayleigh wave signal and noise analysis at a seismic array
[AD-A230137] 12 p1922 N91-20577
CEPHAS, KIA
Water solubility of bis(2-ethylhexyl) hydrogen phosphite
[AD-A234561] 18 p2947 N91-26259
CERESOLA, NICOLA
Numerical simulation of viscous turbulent flows past aerospace configurations
[ETN-91-99779] 22 p3614 N91-30103
CEREZO, ERNESTO
Hydrologic and meteorological operations in the 162-174 and 406.1-420 MHz bands
[PB90-207820] 01 p0033 N91-10199
CERI, STEFANO
Distributed transitive closure computations: The disconnected set approach
[MEMO-INF-89-12] 03 p0405 N91-12254
A survey of parallel execution strategies for transitive closure and logic programs
[MEMO-923] 22 p3739 N91-30831
CERI, STEPHANO
Parallel hierarchical evaluation of transitive closure queries
[MEMO-924] 22 p3740 N91-30832
CERIMELE, CHRISTOPHER J.
Assured crew return vehicle
[NASA-CASE-MSC-21536-1] 05 p0629 N91-13483
CERNANSKY, NICHOLAS P.
Kinetic modeling of ethene oxidation at low and intermediate temperatures
[DE90-005998] 09 p1305 N91-17163
CERNOSEK, R. W.
Travelling wave Faraday effect fiber current sensors
[DE90-015701] 07 p1004 N91-15514
CERNUSAK, IVAN
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3
[NASA-TM-103391] 08 p1221 N91-16728
CERNY, RONALD L.
The synthesis of monometallated and unsymmetrically substituted binuclear phthalocyanines and a pentanuclear phthalocyanine by solution and polymer support methods
[AD-A225363] 03 p0345 N91-11934
CERRADA, CARLOS
A 3D-object reconstruction system integrating range-image processing and rapid prototyping
[AD-A233577] 16 p2671 N91-24783
CERRONE, P.
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390
CERRONI, P.
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389
CERUTI, M. G.
On-line magnetic tape Library Inventory Tracking And Reporting (LITAR) system
[AD-A234934] 18 p3077 N91-27004
CERVAY, RUSSELL R.
Post-overload fatigue crack recovery in powder metal aluminum-lithium AL-905XL forging
[AD-A232550] 15 p2403 N91-23307
CERVEIRACORDEIRO, JOAO PEDRO
Representation and manipulation of graphic images utilizing quaternary trees
[INPE-5069-TDL/408] 03 p0400 N91-12221
CEZAIRLIYAN, A.
A dynamic technique for measuring surface tension at high temperatures in microgravity environment
13 p2061 N91-21347
A high-speed spatial (linear) scanning pyrometer: A tool for diagnostics, temperature mapping, and property determinations at high temperatures
13 p2064 N91-21361
CHA, HUNGSE
Current density calculation using rectilinear region splitting algorithm for very large scale integration metal migration analysis
[AD-A224750] 03 p0359 N91-12008
CHA, SOYOUNG S.
Interferometric tomography of high-speed aerodynamic flows
[AD-A229319] 22 p3609 N91-30078
CHA, Y. S.
Effect of size and geometry on levitation force measurements between permanent magnets and high-temperature superconductors
[DE91-012472] 20 p3427 N91-29008
CHABALOWSKI, CARY F.
Ab initio study of the electric dipole transition moment for the electronic X to C transition in acetylene: Theoretical predictions of the absorption and magnetic circular dichroism intensities
[AD-A231227] 13 p2077 N91-21442
Theoretical study of the radiative lifetime for the spin-forbidden transition a3 (sigma u +) to X1 (sigma g +) in He2
[AD-A230956] 13 p2151 N91-21854
Quantum chemical studies of candidate high energy density material compounds
[AD-A232393] 15 p2408 N91-23335
CHABANNE, F.
FIABAI: A knowledge based system for the evaluation of the reliability-availability of complex computer architectures 14 p2220 N91-22272
CHABANNES, PATRICE L.
Characterization of 256 Kbits SRAMs under californium 252 and protons irradiations 24 p4000 N91-32359
CHABOCHE, J. L.
Composite materials damage. Transverse cracking and delamination
[ONERA-RT-6/7256-RY-080-R] 23 p3807 N91-31234
CHABOCHE, J.-L.
On the thermodynamics of stress rate in the evolution of back stress in viscoplasticity
[NASA-TM-103794] 11 p1721 N91-19476
CHABOT, KATHLEEN A.
Methods to determine the compatibility and degradation of organic materials
[AD-A237940] 21 p3468 N91-29234
CHACON, VINCE
Research flight-control system development for the F-18 high alpha research vehicle
[NASA-TM-104232] 14 p2196 N91-22131
CHADHA, A.
Evaluation of significant anthropogenic sources of radiatively important trace gases
[PB91-127753] 11 p1736 N91-19545
CHADHA, Y. R.
Guidelines for setting up data bases on medicinal plants
[PB91-137851] 17 p2884 N91-25944
CHADOV, V. I.
Changes in maximum allowable supersaturation coefficient in high-altitude decompression
01 p0096 N91-10560
CHAGANTY, NARASINGA R.
Large and moderate deviation limit theorems for arbitrary sequences of random variables with applications
[AD-A232334] 15 p2495 N91-23817
CHAGELISHVILI, G. D.
Amplification of Alfven waves in free shear flows
06 p0919 N91-15074
A model for one-sided extragalactic jets
06 p0922 N91-15097
CHAHINE, MOUSTAFA T.
Sensor requirements for Earth and planetary observations 06 p0793 N91-14380
CHAI, B. H. T.
Laser performance and optical properties of LiSrGaF6:Cr(3+)
[DE91-016555] 24 p4023 N91-32481
CHAI, J. C.
Step voltage analysis for the catenoid lightning protection system 24 p4050 N91-32623
CHAI, LI
Non-steady state cracking in unidirectional composites
09 p1304 N91-17155
CHAI, YOUNG SUCK
Interfacial crack initiation under biaxial loading
14 p2274 N91-22580
CHAIKEN, DAVID
The MIT Alewife machine: A large-scale distributed-memory multiprocessor
[AD-A237705] 21 p3560 N91-29784
CHAIKEN, DAVID LARS
Cache coherence protocols for large-scale multiprocessors
[AD-A228982] 09 p1388 N91-17634
CHAIKEN, JOSEPH
Design and construction of apparatus for optical switch evaluation
[AD-A234765] 18 p3064 N91-26927
CHAIKO, LEV I.
Review of the transmissions of the Soviet helicopters
[NASA-TM-103634] 07 p0939 N91-15146
CHAISSON, ERIC
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
CHAIT, A.
A numerical and experimental analysis of reactor performance and deposition rates for CVD on monofilaments
[NASA-TM-103631] 06 p0815 N91-14500
CHAIT, ARNON
Computational materials science. An example: Numerical modeling of chemical vapor deposition processing of advanced fibers 12 p1840 N91-20111
CHAKAVEH, S.
Radio and infra-red observations of Comet Austin 1989Cl 10 p1623 N91-18956
CHAKMAKJIAN, STEPHEN H.
Nonlinear optical systems interacting with amplitude-modulated optical fields
[AD-A228221] 08 p1224 N91-16742
CHAKOUMAKOS, B. C.
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
CHAKRABARTI, KISHALAYA
Method of laser discrimination using stimulated luminescence
[AD-D014897] 19 p3170 N91-27528
CHAKRABORTY, D.
ACTS propagation terminal prototype planning and design 03 p0353 N91-11970
CHAKRAVARTHY, SUKUMAR R.
A comparative study of Navier-Stokes codes for high-speed flows 02 p0149 N91-10869
Unstructured grid generation using the distance function 13 p2012 N91-21065
CHALLINOR, GRAEME
Australian experiments in Automatic Dependent Surveillance (ADS) including the Pacific Engineering Trials (PET) 24 p3955 N91-32101
CHALMERS, ALAN G.
Parallel processing for panel methods
[BU-414] 11 p1705 N91-19391
CHALON, G.
Wind lidar for tropical climatology
[CNES-CT/DRT/TIT/iO-88/126] 02 p0239 N91-11334
CHAMBER, F. W.
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
CHAMBERLAIN, O.
Automatic tracking of the intersection of a laser and electron beam
[DE91-007740] 10 p1531 N91-18434
CHAMBERLAIN, PETER G.
Mining and beneficiation: A review of possible lunar applications 17 p2900 N91-26022

CHAMBERLIN, ALAN
A graphical user-interface-driven waveform data acquisition and analysis system
[DE90-011948] 08 p1197 N91-16578
Near-infrared reflectance spectra-applications to problems in asteroid-meteorite relationships
17 p2895 N91-26002

CHAMBERLIN, E. P.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264

CHAMBERLIN, J. L.
Generic quality assurance/quality control guide for photovoltaic concentrator design, development and system installation
[DE90-017040] 02 p0231 N91-11290
PV concentrators today and tomorrow
[DE91-010577] 15 p2458 N91-23619

CHAMBERLIN, RHODES R.
High-efficiency large-area CdTe panels
[DE91-002117] 08 p1170 N91-16443

CHAMBERS, F. W.
Reduction of energy sweep of the ETA-2 beam
[DE91-013824] 20 p3352 N91-28568

CHAMBERS, FRANK W.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599

CHAMBERS, J. Q.
Non-destructive on-line monitoring of MIC (microbially influenced corrosion)
[DE90-017770] 10 p1499 N91-18251
Non-destructive monitoring of microbial biofilms at solid-liquid interfaces using on-line devices
[DE91-010777] 17 p2817 N91-25567

CHAMBERS, KATHLEEN C.
Integration of neurobiological and computational analyses of the neural network essentials for conditioned taste aversion
[AD-A235164] 18 p3033 N91-26744

CHAMBERS, KENNETH CARTER
High-redshift radio galaxies and the role of radio sources in galaxy formation 04 p0611 N91-13394

CHAMBERS, R. S.
Mechanical modeling of stress generation during cure of encapsulating resins
[DE91-011496] 20 p3322 N91-28393

CHAMBERS, RANDALL M.
Cognitive performance capabilities in the cockpit
16 p2543 N91-24090
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
Human factors cockpit: A system and human factors program to enhance safety and efficiency in single pilot IFR and terminal area operations
16 p2555 N91-24165

CHAMBERS, W. F.
Plotting and summary routines for TASK8
[DE91-010689] 16 p2671 N91-24786
Quantitative analysis procedures for Task 8
[DE91-009684] 18 p3043 N91-26798

CHAMIS, C. C.
HITCAN for actively cooled hot-composite thermostructural analysis
[NASA-TM-103750] 13 p2101 N91-21562
Reliability and risk assessment of structures
14 p2359 N91-23050
Probabilistic structural analysis methods for space transportation propulsion systems
20 p3298 N91-28238
Concurrent engineering 20 p3299 N91-28247
Interphase layer optimization for metal matrix composites with fabrication considerations
[NASA-TM-105166] 22 p3644 N91-30281
The effects of interply damping layers on the dynamic response of composite structures
[NASA-TM-104497] 22 p3644 N91-30282

CHAMIS, CHRISTOS C.
A methodology for evaluating the reliability and risk of structures under complex service environments
[NASA-TM-103244] 09 p1350 N91-17415
METCAN updates for high temperature composite behavior: Simulation/verification
[NASA-TM-103682] 11 p1674 N91-19229
Computational simulation of hot composites structures
[NASA-TM-103681] 11 p1675 N91-19230
Probabilistic micromechanics and macromechanics of polymer matrix composites
[NASA-TM-103669] 11 p1676 N91-19236
Concurrent micromechanical tailoring and fabrication process optimization for metal-matrix composites
[NASA-TM-103670] 11 p1676 N91-19237
Probabilistic simulation of uncertainties in thermal structures
[NASA-TM-103680] 11 p1720 N91-19472
Computational simulation of acoustic fatigue for hot composite structures
[NASA-TM-104379] 15 p2446 N91-23548
Simulation of probabilistic wind loads and building analysis
[NASA-TM-103744] 15 p2446 N91-23549
Probabilistic structural analysis: Introductory remarks
16 p2585 N91-24326
Probability approach for strength calculations
16 p2646 N91-24652
Microfracture in high temperature metal matrix crossply laminates
[NASA-TM-104381] 17 p2747 N91-25198
Probability of failure and risk assessment of propulsion structural components
[NASA-TM-102323] 17 p2790 N91-25436
Numerical propulsion system simulation: An interdisciplinary approach
[NASA-TM-105181] 21 p3466 N91-29221
Integrated mechanics for the passive damping of polymer-matrix composites and composite structures
[NASA-TM-104346] 24 p3971 N91-32181
Progressive fracture in composites subjected to hygrothermal environment
[NASA-TM-105230] 24 p3971 N91-32182
Computational simulation of high temperature metal matrix composite behavior
[NASA-TM-104378] 24 p4030 N91-32520

CHAMON, MARCO ANTONIO
Contribution to the study of coded modulation systems in concatenated codes
[INPE-5080-TDL/414] 03 p0355 N91-11987

CHAMPAGNE, VICTOR K., JR.
Failure analysis of a main rotor pitch horn bolt located on the AH-1 Cobra helicopter
[AD-A227679] 08 p1094 N91-16007

CHAMPIER, GEORGES
Physical metallurgy of aluminum powder alloys
03 p0341 N91-11911

CHAMPIGNY, P.
Anticipation of aerodynamic coefficients of missile air intakes 06 p0775 N91-14297
Supersonic-hypersonic inlet studies for aerospaceplane 15 p2378 N91-23160

CHAMPION, JAMES R.
The utility of high frequency ground wave in a distributed communication system 22 p3659 N91-30365

CHAMPNEY, JOELLE M.
Heat transfer predictions of hypersonic transitional flows
[AD-A230748] 12 p1829 N91-20054

CHAMUEL, JACQUES R.
Arctic acoustics ultrasonic modeling studies
[AD-A224165] 02 p0266 N91-11489

CHAN, A. W.
From chemisorption to mechanism on surfaces: An exploration of the pyrolysis of triisobutylaluminum in the chemical vapor deposition of aluminum thin films
[AD-A235879] 19 p3125 N91-27263

CHAN, C. K.
Design and application of gas-gap heat switches
[NASA-CR-187339] 01 p0038 N91-10222

CHAN, C. S.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747

CHAN, CHOU SIN
Analysis of long wave disturbances in the east over the southern equatorial Atlantic Ocean
[INPE-5222-TDL/437] 22 p3710 N91-30649

CHAN, GORDON C.
Improved NASTRAN plotting
12 p1911 N91-20507

CHAN, H. M.
Strength and toughness of tailored ceramic microstructures
[AD-A232911] 16 p2605 N91-24433
Strength and microstructure of ceramics
[AD-A235424] 18 p2966 N91-26374

CHAN, J. C.-L.
ONR tropical cyclone motion research initiative: Field experiment summary
[AD-A231152] 13 p2122 N91-21679

CHAN, JIN WAH
Magnetic field-induced fracture changes in metastable austenites at 4.2 K
[DE91-016263] 23 p3815 N91-31279
Metastable austenites in cryogenic high magnetic field environments
[DE91-016420] 23 p3816 N91-31288

CHAN, K. C. D.
Cumulative beam breakup of the ground-based free-electron laser
[DE90-016485] 01 p0047 N91-10279
Integrated Numerical Experiments (INEX) and the Free-Electron Laser Physical Process Code (FELPPC)
[DE90-011957] 08 p1152 N91-16348
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640

CHAN, K. ROLAND
The NASA-ER2 meteorological measurement system: Instrumentaion, calibration and intercomparison results
14 p2289 N91-22658
Calibration of the ER-2 meteorological measurement system 17 p2793 N91-25453
Applications of the ER-2 meteorological measurement system 17 p2794 N91-25457
High altitude aircraft direction using real-time scientific analysis of telemetered data 17 p2800 N91-25489

CHAN, KWAI S.
Study of high temperature failure mechanisms in ceramics
[AD-A230361] 12 p1874 N91-20298
Crack growth processes at elevated temperatures in advanced materials
[AD-A233574] 16 p2647 N91-24658

CHAN, LAI-HIM
Research in elementary particle physics
[DE90-017278] 01 p0120 N91-10708

CHAN, P.
Fractography applied to polymeric materials, part 5
[DREA-CR-88-441-PT-5] 22 p3654 N91-30337

CHAN, R.
Nonlinear optics technology. Volume 1: Solid state laser technology, phase 3
[AD-A233533] 16 p2690 N91-24891

CHAN, S. H.
Li-SF6 combustion in stored chemical energy propulsion systems
[AD-A224846] 03 p0337 N91-11888

CHAN, SAMUEL Y.
Aeroservoelastic stabilization techniques for hypersonic flight vehicles
[NASA-CR-187614] 22 p3623 N91-30156

CHAN, STEPHEN C.
Numerical analyses of aero-optical flows: An application of parallel algorithm on high-performance Personal Computer (PC) base multitransputer system
20 p3344 N91-28519

CHAN, TONY F.
Performance of a parallel code for the Euler equations on hypercube computers
[NASA-TM-102260] 02 p0249 N91-11384
Multilevel filtering elliptic preconditioners
[NASA-CR-188851] 24 p4089 N91-32845

CHAN, WILLIAM MACHADO
Instabilities of two-dimensional inviscid compressible vortices 02 p0211 N91-11181

CHAN, YAT C.
Optimization of hydrogen consumption in hydrogen masers
[AD-A227267] 08 p1154 N91-16355

CHANA, K. S.
Turbine nozzle guide vane exit area traversing in a short duration light piston test facility
[RAE-TM-P-1199] 22 p3621 N91-30145

CHANCE, KELLY V.
Tunable far infrared studies of molecular parameters in support of stratospheric measurements
[NASA-CR-188774] 23 p3893 N91-31723
Retrieval and molecule sensitivity studies for the global ozone monitoring experiment and the scanning imaging absorption spectrometer for atmospheric chartography
23 p3893 N91-31724
Scanning imaging absorption spectrometer for atmospheric chartography 23 p3893 N91-31725

CHANCHANI, R.
Thermal and electrostrictive expansion characteristics of MLC (multilayer ceramic) capacitors
[DE91-005962] 10 p1518 N91-18357

CHANDA, T.
Mechanical properties of spray atomized SiC particle reinforced aluminum-titanium alloys
[AD-A235231] 18 p2955 N91-26306

CHANDER, R.
Piezoelectrically forced vibrations of electroded doubly rotated quartz plates by state space method
01 p0054 N91-10318

CHANDLER-WILDE, SIMON N.
Long-distance sound propagation over discontinuous impedances 08 p1215 N91-16688

CHANDLER, E.
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557

CHANDLER, G.
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
CHANDLER, G. A.
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
CHANDLER, G. E.
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
CHANDLER, JOSEPH A.
Bio-reactor chamber
[NASA-CASE-MSC-20929-1] 06 p0852 N91-14703
CHANDLER, RICHARD
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
Crashworthiness experiments
16 p2554 N91-24161
CHANDLER, RICHARD F.
Occupant crash protection in military air transport
[AGARD-AG-306] 03 p0306 N91-11706
CHANDLER, W. S.
WINTER 1990 hydrographics data report: CTD station profiles, sections, nutrients, SAIL, January - February 1990
[DE91-008286] 13 p2123 N91-21686
CHANDLER, W. U.
Greenhouse gases: What is their role in climate change
[DE91-005447] 10 p1542 N91-18486
CHANDRA, S.
Ozone measurements from the NOAA-9 and the Nimbus-7 satellites: Implications of short and long term variabilities 11 p1732 N91-19527
A theory for fluidelastic instability of tube-support-plate inactive modes
[DE91-009676] 15 p2444 N91-23538
A theory for fluidelastic instability of tube-support-plate inactive modes
[DE91-006001] 15 p2445 N91-23542
CHANDRA, SURESH
Turbulence modeling for high speed compressible flows 04 p0593 N91-13310
CHANDRASEKARAN, B.
Generic tasks for knowledge-based problem solving: Extension and new directions
[AD-A234925] 18 p3054 N91-26865
CHANDRASEKHAR, H. R.
Photoreflectance studies of electronic transitions in quantum well structures under high pressure
[DE90-011583] 08 p1234 N91-16801
High pressure optical studies of semiconductors and heterostructures
[DE91-014382] 20 p3432 N91-29041
CHANDRASEKHAR, MEERA
Spectroscopic studies of GaAs/AlGaAs superlattices under hydrostatic and uniaxial pressures at 8 to 300 K
[AD-A225925] 04 p0588 N91-13286
Photoreflectance studies of electronic transitions in quantum well structures under high pressure
[DE90-011583] 08 p1234 N91-16801
CHANDRASEKHAR, NATARAJAN
A study of grain boundary structure in YBa2Cu3O(7-delta) 14 p2330 N91-22875
CHANDRASEKHAR, R.
Radiative interactions in chemically reacting supersonic internal flows
[NASA-CR-188067] 12 p1829 N91-20052
CHANDRASEKHARA, M. S.
Compressibility effects on dynamic stall of oscillating airfoils
[NASA-CR-187870] 09 p1272 N91-16993
CHANG-DIAZ, F. R.
Propulsion research on the hybrid plume rocket
[NASA-TM-103372] 09 p1301 N91-17140
CHANG, A. Y.
Simultaneous measurements of velocity, temperature, and pressure using rapid CW wavelength-modulation laser-induced fluorescence of OH
[NASA-CR-187795] 07 p1007 N91-15530
CHANG, B.
Ion yields from strong optical field ionization experiments using 100 femtosecond laser pulses
[DE91-011200] 17 p2781 N91-25389
Basic features of coherent radiation generated by relativistic charge bunches
[DE91-017656] 24 p4098 N91-32898
CHANG, C. T.
Modern CFD applications for the design of a reacting shear layer facility
[NASA-TM-104523] 19 p3107 N91-27164
CHANG, C. Y.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
CHANG, CHAU-LYAN
Solar rocket plume/mirror interactions
[NASA-CR-185300] 11 p1642 N91-19059
CHANG, CHE-WAY
Experimental method of analyzing stress intensity factors and singularity order in rocket motor geometry
17 p2743 N91-25177
CHANG, CHE-WEI
Large Angle Transient Dynamics (LATDYN) user's manual
[NASA-CR-4401] 23 p3886 N91-31685
A finite element approach for the dynamic analysis of joint-dominated structures
[NASA-CR-4402] 23 p3886 N91-31686
CHANG, CHERNG
Characterization of phenolic resins with thermogravimetry-mass spectrometry
[DE91-002710] 06 p0813 N91-14492
CHANG, CHI-YUNG
Pipeline synthetic aperture radar data compression utilizing systolic binary tree-searched architecture for vector quantization
[NASA-CASE-NPO-17941-1-CU] 05 p0648 N91-13595
CHANG, CHIA-LUNG
Nonlinear dynamical response of impulsively loaded structures using Ritz vector basis approach
07 p1014 N91-15568
CHANG, CHONG-HWAN
The structure and function of membrane protein photosynthetic reaction center
[DE90-017795] 02 p0243 N91-11353
CHANG, CIUTER
A tribological study of sliding contact interaction
15 p2434 N91-23488
CHANG, DAVID C.
An investigation of optically controlled, integrated millimeter wave receiving phased arrays
[AD-A239504] 23 p3863 N91-31538
CHANG, DING-I.
Time-constrained optimal impulsive orbit transfer
07 p0949 N91-15211
CHANG, DO R.
Microemulsion of molten salts
[AD-A233054] 16 p2598 N91-24398
CHANG, E. I.
Using genetic algorithms to select and create features for pattern classification
[AD-A235165] 18 p3042 N91-26792
CHANG, F.
Enhancement of forced convection heat transfer in tubes using staged tangential flow injection
[PB90-247594] 02 p0209 N91-11170
Assessment of corrosion resistant coatings for a depleted U-0.75 Ti alloy
[AD-A228237] 08 p1116 N91-16130
CHANG, FU-KUO
Effect of transversely low-velocity impact on graphite/epoxy laminated composites
[AD-A231964] 14 p2241 N91-22395
CHANG, FU-SUNG
Optimal control design by Volterra Series and its application to spacecraft maneuvers
02 p0186 N91-11044
CHANG, G. C.
Choice of velocity variables for complex flow computation 13 p2014 N91-21076
CHANG, GEORGE C.
Flight operations and air traffic management integration 24 p3958 N91-32122
CHANG, H. H.
The asymptotic posterior normality of the latent trait in an IRT model
[AD-A236646] 19 p3238 N91-27903
CHANG, H. L. M.
Epitaxial TiO2 and VO2 films prepared by MOCVD (Metal-Organic Chemical Vapor Deposition)
[DE90-017806] 02 p0281 N91-11578
Tilt grain boundaries in YBa2Cu3O(7-x) thin films
[DE91-006088] 09 p1414 N91-17786
Electron microscopy study of MOCVD-grown TiO2 thin films and TiO2/Al2O3 interfaces
[DE91-006544] 09 p1416 N91-17797
HREM study of heteroepitaxial interfaces in the TiO2/Al2O3 system
[DE91-012473] 18 p3074 N91-26986
CHANG, I-CHUNG
Transonic flow analysis for rotors. Part 3: Three-dimensional, quasi-steady, Euler calculation
[NASA-TP-2375] 01 p0002 N91-10007
Wake coupling to full potential rotor analysis code
[NASA-TM-102805] 01 p0003 N91-10013
CHANG, I-DEE
Simulation of blood flow through an artificial heart
15 p2537 N91-24056
CHANG, I-SHIH
An efficient, intelligent solution for viscous flows inside solid rocket motors 16 p2569 N91-24238
Slag and thermal environment of a spinning rocket motor
[AD-A238557] 21 p3467 N91-29227
CHANG, J.
Thermoluminescent dosimeter measurements and analysis for LDEF experiment M0006
16 p2709 N91-24990
CHANG, J. J. C.
Blackbody pumped CO2 lasers using Gaussian and waveguide cavities
[DE91-012494] 21 p3522 N91-29559
CHANG, KEH-MINN
Fatigue-resistant nickel-base superalloys
[PATENT-1-253-363] 23 p3813 N91-31268
Rapidly solidified nickel aluminide of improved stoichiometry and ductilization
[PATENT-1-257-987] 23 p3813 N91-31270
Method for imparting strength to intermetallic phases
[PATENT-1-255-929] 23 p3813 N91-31271
CHANG, KI JOON
Ellipsometric measurement of liquid film thickness
19 p3269 N91-28084
CHANG, KWAN J.
Sensitivity-based scaling for correlating structural response from different analytical models
[NASA-TM-104042] 14 p2274 N91-22578
CHANG, L. K.
Plastic analysis of a circular rod subjected to sinusoidal thermal cycling
[DE91-011845] 20 p3359 N91-28609
CHANG, LEON
Computations of three-dimensional steady and unsteady viscous incompressible flows 02 p0146 N91-10852
CHANG, LI W.
BaRT manual version 3.0
[AD-A234528] 18 p3040 N91-26784
CHANG, M. L. M.
X ray diffraction study of heteroepitaxy of MOCVD grown TiO2 and VO2 films on sapphire single crystals
[DE91-013764] 20 p3432 N91-29037
CHANG, M. S.
Data acquisition system for collecting biophysical and physiological data
[AD-A237654] 21 p3547 N91-29710
CHANG, MIN-YUNG
Active vibration control of composite structures
16 p2642 N91-24626
CHANG, P.
Protein-directed modulation of high-LET hyperthermic radiosensitization
[DE91-013783] 20 p3379 N91-28722
CHANG, P. T.
Two-terminal monolithic InP-based tandem solar cells with tunneling intercell ohmic connections
22 p3633 N91-30216
CHANG, P. Z.
Phenomenology of forces acting between magnets and superconductors
[DE90-017864] 02 p0265 N91-11487
CHANG, POHUA P.
The effect of code expanding optimizations on instruction cache design
[NASA-CR-188467] 16 p2672 N91-24789
CHANG, QUAN-MING
Design and analysis of multi-sensor sequential detection system
[AD-A238012] 21 p3519 N91-29543
CHANG, R. F.
A high-speed spatial (linear) scanning pyrometer: A tool for diagnostics, temperature mapping, and property determinations at high temperatures
13 p2064 N91-21361
CHANG, R. P.
Oxidation studies of fluorine containing diamond films
[AD-A232696] 15 p2407 N91-23328
Infrared and Raman spectra of C60 and C70 solid films at room temperature
[AD-A237880] 21 p3506 N91-29462
CHANG, R. P. H.
Plasma, photon, and beam synthesis of diamond films and multilayered structures
[DE91-007934] 11 p1809 N91-19938
CHANG, RICHARD K.
Nonlinear spectroscopy of multicomponent droplets and two- and three-dimensional measurements in flames
[AD-A238028] 21 p3476 N91-29277
High-intensity and high-energy laser interactions with single droplets
[AD-A238197] 21 p3524 N91-29575

CHANG, S. C.
Temperature dependence of proton electroreduction kinetics at gold(111) and (210) surfaces
[AD-A237460] 21 p3575 N91-29879
Comparisons between scanning tunneling microscopy and outer-sphere electron-transfer rates at Pt(111) surfaces coated with ordered iodine adlayers
[AD-A237507] 21 p3575 N91-29883
Atomic-resolution scanning tunneling microscopy and infrared spectroscopy as combined in-situ probes of electrochemical adlayer structure: Carbon monoxide on rhodium(111)
[AD-A237508] 21 p3575 N91-29884
The influence of potential on metal-adsorbate structure: Solvent-independent nature of infrared spectra for Pt(111)/CO
[AD-A237509] 21 p3596 N91-30004

CHANG, S. L.
Three-dimensional computer simulation of non-reacting jet-gas flow mixing in an MHD second stage combustor
[DE90-017831] 02 p0273 N91-11537
Effects of jet port arrangement on three-dimensional non-reacting jet-gas mixing in an MHD second stage combustor
[DE90-017858] 02 p0274 N91-11538
Copper contamination effects on hydrogen-air combustion under SCRAMJET (Supersonic Combustion Ramjet) testing conditions
[DE91-006545] 10 p1472 N91-18111
Two-dimensional non-reacting jet-gas mixing in an MHD (magnetohydrodynamic) second stage combustor
[DE91-006015] 11 p1679 N91-19252
Multi-dimensional computer simulation of MHD combustor hydrodynamics
[DE91-011851] 18 p3067 N91-26946
Simulation of combustion processes in an MHD second stage combustor
[DE91-014014] 20 p3420 N91-28968
Interactions of turbulent eddies and combustion in an MHD second stage combustor
[DE91-015722] 21 p3589 N91-29968

CHANG, SHIH-HUNG
On the application of ENO scheme with subcell resolution to conservation laws with stiff source terms
13 p2013 N91-21074

CHANG, SHOU REI
A study of the buckling and vibration behavior of an initially stressed thick plate by Galerkin's method
20 p3365 N91-28641

CHANG, SHU SING
Second Industry Workshop on Polymer Composite Processing
[PB91-132191] 16 p2604 N91-24427

CHANG, SHUJIE
Rapid Runway Repair (RRR) techniques: A systems analysis
[AD-A225238] 03 p0317 N91-11776

CHANG, SIN-CHUNG
A new numerical framework for solving conservation laws: The method of space-time conservation element and solution element
[NASA-TM-104495] 22 p3745 N91-30867

CHANG, T.
A tentative explanation of cosmological red shift
08 p1258 N91-16928

CHANG, T. Y. P.
Finite element implementation of state variable-based viscoplasticity models
[NASA-CR-187212] 24 p4031 N91-32523

CHANG, WEI-MIN
Limit analysis in plane strain: The lower bound approach 09 p1349 N91-17412

CHANG, WILLIAM S.
Research on materials and components for opto-electronics signal processing and computing
[AD-A230071] 12 p1980 N91-20895

CHANG, Y. W.
Sloshing response in a tank containing two liquids
[DE91-011844] 18 p2986 N91-26487

CHANG, YI-HUA
An asymptotic symmetry of the rapidly forced pendulum
[DE91-001868] 05 p0710 N91-13958

CHANG, YU-CHUNG
On the initiation and propagation of localized instabilities in long tubes under internal pressure and axial tension
10 p1534 N91-18447

CHANG, Z.
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
Hybrid fluid/kinetic descriptions of tokamak plasmas
20 p3407 N91-28888

CHANG, ZHE
Operator formalism of multi-pole Virasoro algebra on Riemann sphere
[DE90-627217] 01 p0113 N91-10657
The multi-pole Neveu-Schwarz algebra on Riemann supersphere
[DE91-617612] 22 p3743 N91-30858

CHANG, ZUOYANG
Unified plasma fluid/kinetic equations for tokamak microinstability and turbulence studies
[DE91-011010] 16 p2692 N91-24905
Generalized gyroviscous force and its effect on the momentum balance equation
[DE91-013344] 20 p3435 N91-29061

CHANGERY, MICHAEL J.
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 1: January
[AD-A227122] 08 p1176 N91-16476
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 2: February
[AD-A227123] 08 p1177 N91-16477
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 3: March
[AD-A227124] 08 p1177 N91-16478
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 4: April
[AD-A227125] 08 p1177 N91-16479
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 7: July
[AD-A227126] 08 p1177 N91-16480
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 10: October
[AD-A227127] 08 p1177 N91-16481
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 5: May
[AD-A232977] 16 p2659 N91-24711
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 6: June
[AD-A232978] 17 p2812 N91-25543
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 8: August
[AD-A232979] 17 p2812 N91-25544
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 9: September
[AD-A232980] 17 p2813 N91-25545
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 11: November
[AD-A232981] 17 p2813 N91-25546
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 12: December
[AD-A232982] 17 p2813 N91-25547

CHANISHVILI, R. G.
Amplification of Alfven waves in free shear flows
06 p0919 N91-15074

CHANTEUR, G.
Non-linear evolution of the Kelvin-Helmholtz instability: Constraints on multipoint measurements
01 p0071 N91-10430

CHANTIKUL, P.
Strength and microstructure of ceramics
[AD-A235424] 18 p2966 N91-26374

CHANTREL, J. M.
Aerodynamic computation post processing tools
[AAAF-NT-89-20] 24 p3949 N91-32073

CHANTRENNE, S.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903

CHAO, A. W.
Coherent beam-beam effects
[DE91-012512] 18 p3062 N91-26917

CHAO, GAO
An iterative method for obtaining the optimum lightning location on a spherical surface
24 p4065 N91-32709

CHAO, I. F.
Information capacity of the matched Gaussian channel with jamming. Part 2: Infinite-dimensional channels
[AD-A236847] 19 p3153 N91-27432

CHAO, K.
Space qualification test and evaluation of JHU/APL designed ASICs 24 p3994 N91-32315

CHAO, K. C.
Gas-liquid-liquid equilibria in mixtures of water, light gases, and hydrocarbons
[DE91-004168] 10 p1495 N91-18229

CHAO, LU-PING
Multiobjective optimization design strategies for articulating mechanisms and robotic manipulators fabricated from advanced polymeric fiber-reinforced composite materials 22 p3684 N91-30515

CHAO, TIEN-HSIN
Auto and hetero-associative memory using a 2-D optical logic gate
[NASA-CASE-NPO-17997-1-CU]
05 p0698 N91-13888
Optoelectronic associative memory
[NASA-CASE-NPO-18278-1-CU]
24 p4103 N91-32925

CHAO, YI
Seasonal and interannual variability in the tropical Pacific Ocean 16 p2658 N91-24708

CHAPIN, F. S., II
International Conference on Physiological Process Studies in the Arctic
[DE91-011199] 17 p2808 N91-25524

CHAPLINE, G. F.
Fission fragment rocket scientific feasibility assessment
[DE91-010076] 17 p2741 N91-25170

CHAPMAN, C.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002

CHAPMAN, C. R.
Data base on physical observations of near-Earth asteroids and establishment of a network to coordinate observations of newly discovered near-Earth asteroids
17 p2755 N91-25246

CHAPMAN, CLARK R.
Near-Earth asteroids: Observer alert network and database analysis 16 p2597 N91-24390

CHAPMAN, G. A.
A program of photometric measurements of solar irradiance fluctuations from ground-based observations
03 p0440 N91-12459

CHAPMAN, J. N.
Potential application of magnetohydrodynamic acceleration to hypersonic environmental testing
[AD-A225678] 04 p0585 N91-13263
An innovative demonstration of high power density in a compact MDH (magnetohydrodynamic) generator
[DE91-005526] 10 p1601 N91-18830

CHAPMAN, JOHN J.
Pressure transducer and system for cryogenic environments
[NASA-CASE-LAR-14579-1] 20 p3349 N91-28546

CHAPMAN, K.
A tunable x ray microprobe using synchrotron radiation
[DE90-011219] 08 p1148 N91-16322

CHAPMAN, L. D.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712

CHAPMAN, RICHARD A.
Classification of correlation signatures of spread spectrum signals using neural networks
[AD-A230663] 12 p1887 N91-20376

CHAPMAN, RICHARD N.
The synthesis of solar radiation data for sizing stand-alone photovoltaic systems
[DE90-012758] 06 p0842 N91-14652

CHAPMAN, S. P.
Preliminary analysis of WL experiment number 701: Space environment effects on operating fiber optic systems 16 p2723 N91-25081

CHAPPARD, D.
Bone adaptation to real and simulated microgravity
11 p1753 N91-19643

CHAPPELL, CHARLES R.
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-184044] 10 p1626 N91-18967

CHAPUIS, T.
Trends in latch-up sensitivity
24 p3998 N91-32345
CECIL: Collaboration between companies and research agencies in heavy ion test of spacecraft microelectronics
24 p3998 N91-32348
Measurements of proton upset induced in CMOS devices: Synthesis of CEA studies
24 p4000 N91-32356

CHAR, K.
Fabrication of sensitive high Tc bolometers
06 p0794 N91-14389
Fabrication of an infrared bolometer with a high Tc superconducting thermometer
[DE91-005210] 09 p1339 N91-17355

CHARAKHCHYAN, L. A.
Cosmic ray charged component variations at sea level
[DE91-615480] 11 p1823 N91-20021

CHARAKHCHYAN, T. N.
Cosmic ray charged component variations at sea level
[DE91-615480] 11 p1823 N91-20021

CHARALAMBIDIS, D.
High brightness electron beam production by laser induced various order multiphoton photoeffects of gold
[DE91-009150] 13 p2092 N91-21514

CHARATAN, ROBERT M.
Growth and reactivity of CuCl on Si(111)
[AD-A225034] 03 p0423 N91-12364
CHARATIS, G.
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
K-shell and L-shell plasma spectroscopy experiments
[DE91-000950] 04 p0586 N91-13269
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
CHARENTUS, SYLVIE
Modeling and control of a redundant robot manipulator composed of several Stewart platforms
[LAAS-90146] 05 p0671 N91-13728
CHARGEISHVILI, B. B.
A new model of spicule formation in the Sun chromosphere 06 p0916 N91-15051
CHARGIN, MLADEN
A finite element procedure for calculating fluid-structure interaction using MSC/NASTRAN
[NASA-TM-102857] 08 p1165 N91-16414
CHARIG, R. J.
SOS material improvement for post total dose, radiation induced leakage reduction 24 p3999 N91-32353
CHARITAT, GEORGES
Design and fabrication of high voltage planar devices
[LAAS-90306] 08 p1136 N91-16252
CHARLES, J. P.
Space radiation effects on power MOSFET: Threshold-voltage shift with dose rate
24 p4001 N91-32363
CHARLESON, R. J.
Measurements of the light-absorbing material inside cloud droplets and its effect on cloud albedo
01 p0091 N91-10528
CHARLESWORTH, ARTHUR
The nondeterministic divide
[NASA-CR-187780] 07 p1053 N91-15783
A characterization of associativity
[NASA-CR-187779] 07 p1053 N91-15784
CHARLIER, JEAN
Vacuum deposited optical coatings experiment (AO 138-4) 16 p2722 N91-25074
CHARLOT, L. A.
Metastable phase formation in Be-Nb intermetallic compounds
[DE91-005617] 10 p1500 N91-18255
Modeling irradiation-induced grain boundary segregation in stainless steels
[DE91-010157] 17 p2759 N91-25272
Irradiation-induced chromium depletion and its influence on integranular stress corrosion cracking of stainless steels
[DE91-017418] 24 p3976 N91-32212
CHARLTON, JANE C.
Pairs of galaxies in low density regions of a combined redshift catalog 08 p1245 N91-16860
CHARLTON, L. A.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
CHARPENTIER, P.
SIMOUN: New test methods for development work on the Hermes thermal protection systems
03 p0334 N91-11873
SIMOUN: A new test appliance for the development of Hermes thermal protections
[REPT-911-430-129] 15 p2387 N91-23209
CHARTAS, G.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960
CHARTOFF, RICHARD P.
Chemical synthesis study of deuterated epoxy resins
[AD-A234666] 18 p2963 N91-26355
CHARYULU, USHA
Isolation, cloning and expression of the genes for microbial polyurethane degradation
[AD-A232108] 15 p2473 N91-23699
CHASE, CLEMENT G.
Report of the panel on lithospheric structure and evolution, section 3 13 p2106 N91-21592
CHASE, G. G.
Superconducting wire fabrication
[AD-A228012] 07 p1075 N91-15915
CHASE, JOHN H., JR.
A naval aviation maintenance Organizational Activity Strategic Information System (OASIS)
[AD-A229905] 12 p1996 N91-20989
CHASE, L. L.
Investigation of neutral atom and ion emission during laser conditioning of multilayer HfO2-SiO2 coatings
[DE91-009749] 15 p2502 N91-23860
Laser induced damage in optical materials: 1989
[PB91-148478] 19 p3170 N91-27527
Laser ablation mechanisms and optical surface damage
[DE91-016928] 23 p3879 N91-31642
Laser performance and optical properties of LiSrGaF6:Cr(3+)
[DE91-016555] 24 p4023 N91-32481
CHASE, THEODORE L.
Presentation on a Space Acceleration Measurement System (SAMS) 03 p0431 N91-12417
CHASON, E.
Effect of step edge transition rates and anisotropy in simulations of epitaxial growth
[DE91-001251] 06 p0882 N91-14875
X ray reflectivity measurements of surface roughness using energy dispersive detection
[DE91-004819] 09 p1399 N91-17700
CHASSAY, ROGER P.
Low-g measurements by NASA
03 p0430 N91-12408
CHASTEK, GARY J.
Rationale for SQL Ada module description language SAMeDL
[AD-A235780] 19 p3222 N91-27810
The SQL Ada module description language SAMeDL
[AD-A235781] 19 p3222 N91-27811
CHATE, H.
Spatiotemporal intermittency
23 p3867 N91-31569
CHATELAIN, M. A.
Si3N4 emissivity and the unidentified infrared bands
06 p0893 N91-14935
CHATHAM, HOOD
Amorphous silicon solar cells prepared at high deposition rates
[DE90-000371] 04 p0543 N91-13012
CHATO, DAVID J.
LN2 spray droplet size measurement via ensemble diffraction technique
[NASA-TM-104443] 16 p2614 N91-24470
Ground testing on the nonvented fill method of orbital propellant transfer: Results of initial test series
[NASA-TM-104444] 16 p2627 N91-24547
Review and test of chilldown methods for space-based cryogenic tanks
[NASA-TM-104458] 17 p2774 N91-25351
Cryogenic transfer options for exploration missions
[NASA-TM-105197] 20 p3347 N91-28538
CHATTERJEE, A.
A finite element conjugate gradient FFT method for scattering 11 p1689 N91-19306
Use of edge-based finite elements for solving three dimensional scattering problems
[NASA-CR-188735] 22 p3744 N91-30860
CHATTERJEE, S. N.
Composite specimen design analysis. Volume 1: Analytical studies
[AD-A235990] 19 p3119 N91-27233
CHATTERJEE, TAPAN K.
A statistical study of merging galaxies: Theory and observations 08 p1258 N91-16931
A dynamical proximity analysis of interacting galaxy pairs 08 p1259 N91-16937
CHATTOPADHYAY, S.
Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558
CHATURVEDI, P. K.
Plasma instabilities in the high and low latitude E-region induced by high power radio waves
[AD-A226617] 04 p0586 N91-13271
Theory of large-scale HF heating processes in the unstructured and structured ionosphere
10 p1548 N91-18516
CHAU, D. S. C.
Heat transfer additives for absorption cooling system fluids
[PB91-182998] 19 p3166 N91-27505
CHAU, H. H.
Application of Fabry-Perot velocimetry to hypervelocity impact experiments
[DE90-015612] 01 p0015 N91-10096
CHAU, LAI KWAN
Monomolecular and thin polymer films: Fabrication, characterization, applications, and models of wetting
[DE90-016415] 01 p0029 N91-10174
CHAU, PAK SHING
A submicron resolution monolithic capacitive displacement sensor with digital output
[DE91-009765] 15 p2431 N91-23465
CHAUDHURI, J.
The effect of negative Poisson's ratio on the fracture behavior of composite laminates
[NIAR-90-30] 07 p0972 N91-15336
Modeling of thin Au/Ni multilayers
[NIAR-91-2] 07 p0983 N91-15394
Comparative study of phosphosilicate glass on (100) silicon by furnace and rapid isothermal annealing
[NIAR-90-26] 08 p1120 N91-16153
Study of precipitation and deformation characteristics of the aluminum-lithium alloy by x ray double crystal diffractometry
[NIAR-90-25] 09 p1312 N91-17200
Analysis of residual stress in plastic-media-blasted thin aluminum skin by x-ray double crystal diffractometry
10 p1454 N91-18016
Study of the aging and deformation characteristics of Al-Li alloys by x-ray analysis 10 p1455 N91-18018
The effect of special orientation on the fracture behavior of graphite/epoxy laminates
[NIAR-90-33] 14 p2241 N91-22401
A comparison of corrosion fatigue properties of 6013 bare, alclad 2024 bare aluminum alloy sheet materials
[NIAR-91-8] 14 p2247 N91-22430
X ray rocking curve analysis of aging and deformation characteristics in Al-Li alloys
[NIAR-91-5] 14 p2247 N91-22431
Impact characterization of graphite fiber reinforced thermoplastic laminates
[NIAR-91-16] 21 p3469 N91-29241
CHAUDHURI, SUJEET K.
Radome-lens EHF antenna development
[PATENT-1-262-571] 23 p3853 N91-31481
CHAUDHURI, SURAJIT
A mediator architecture for abstract data access
[AD-A227362] 06 p0857 N91-14730
CHAUHAN, D. S.
A magneto-sensitive skin for robots in space
[NASA-CR-188956] 24 p4029 N91-32512
CHAUMET, RALF
The calculation of the ultimate capacity of a one runway main system. A new arrangement on the basis of a radar data evaluation
[ETN-90-98189] 04 p0476 N91-12660
CHAUMONTET, GILLES
A feasibility study of a high-safety microcontroller
[ETN-91-99480] 22 p3670 N91-30437
CHAUTARD, J. C.
Reactive procedure based decision making for satellite control
[REPT-911-440-106] 15 p2389 N91-23221
CHAUTARD, JEAN CHRISTOPHE
SATEXPERT: An expert systems network for automatic spacecraft control 14 p2217 N91-22252
CHAUVET, G.
Simulation expert system for physiological mechanisms of the space motion sickness 11 p1745 N91-19596
CHAUZY, SERGE
The detection of the electric field vertical distribution underneath thundercloud: Principle and applications
24 p4055 N91-32653
CHAVANA, BERNARD
Breakdown methodology for flight critical applications into elementary components 04 p0485 N91-12698
CHAVEZ, E. L.
Toward a unified dynamic model for heavy ion reactions: Exclusive measurements of Br + Al and Ni + Mg at incident energies near 10 MeV/amu
[DE91-011374] 17 p2862 N91-25828
CHAVEZ, J. M.
United States Department of Energy solar receiver technology development
[DE91-012653] 20 p3367 N91-28651
CHAVEZ, J. R.
A refractive index gradient (RING) diagnostic for transient discharges or expansions of vapor or plasmas
[DE90-015840] 01 p0125 N91-10736
CHAWLA, KALPANA
Simulation of powered-lift flows
02 p0152 N91-10886
CHEADLE, WILLIAM G.
Software sizing, cost estimation and scheduling
01 p0106 N91-10612

CHEATWOOD, F. MCNEIL
An approximate viscous shock layer technique for calculating chemically reacting hypersonic flows about blunt-nosed bodies
[NASA-CR-187617] 24 p4014 N91-32441
CHEBOTAEV, P. Z.
Excitation of nonlinear wake field in a plasma for particle acceleration
[DE91-017386] 24 p4106 N91-32945
CHEBOTAREV, R. P.
Determination of the masses and densities of meteoroids from radar observations from one point
18 p2932 N91-26177
CHEBOTKO, I. S.
Laser alloying of steel using powder materials
19 p3131 N91-27299
CHEESEMAN, CURTIS P.
Moving Platform Simulator 3: An enhanced high-performance real-time graphics simulator with multiple resolution display and lighting
[AD-A226393] 04 p0487 N91-12710
CHEESEMAN, M. A.
Ionization potentials and reactivity of coinage metal clusters
[AD-A235573] 19 p3134 N91-27315
CHEESEMAN, PETER
Evolutionary tree reconstruction
[NASA-CR-188862] 24 p4084 N91-32816
CHELETTE, T. L.
A spatial disorientation predictor device to enhance pilot situational awareness regarding aircraft attitude
12 p1947 N91-20710
CHELIKOWSKY, J. R.
Theory of the electronic and structural properties of solid state oxides
[DE91-001192] 06 p0882 N91-14874
CHEN, A.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
CHEN, ALEXANDER Y. K.
Intelligent manipulation technique for multi-branch robotic systems
[NASA-CR-187651] 06 p0833 N91-14603
CHEN, B. H.
Orbital transfer vehicle oxygen turbopump technology. Volume 2: Nitrogen and ambient oxygen testing
[NASA-CR-185262] 07 p0966 N91-15307
CHEN, BOR-LIANG
High-temperature creep behavior of second-phase particle-strengthened tungsten-rhenium alloys
14 p2239 N91-22382
CHEN, BOR-LING
High-temperature alloys for high-power thermionic systems
[DE91-009292] 15 p2402 N91-23299
CHEN, BORLIANG
Investigation of two-dimensional cracks at an angle to an interface 23 p3883 N91-31667
CHEN, C.
Improved reference models for middle atmosphere ozone 19 p3189 N91-27634
CHEN, C. H.
Nonlinear optics and nonlinear dynamics
[DE90-015975] 01 p0121 N91-10716
Laser applications for high-T(sub c) superconductors
[DE90-017743] 02 p0216 N91-11209
In-situ monitoring of laser ablation of superconductors
[DE91-012057] 18 p2992 N91-26524
CHEN, C.-C.
Steady-state phase error for a phase-locked loop subjected to periodic Doppler inputs
10 p1511 N91-18314
CHEN, C.-X.
Dynamics of strong-coupling models for cuprate superconductors: Exact results on finite lattices
[DE90-011155] 08 p1233 N91-16796
CHEN, CHARLES C. T.
Model rocketry hazard study
[DOT/FAA/CT-TN90/28] 13 p2043 N91-21238
CHEN, CHI-SHAO
Equatorial entrainment zone simulations
[AD-A237234] 21 p3538 N91-29657
CHEN, CHIH-LYEU
Effects of the northeast monsoon on the equatorial westerlies over Indonesia
[AD-A232106] 15 p2469 N91-23681
CHEN, CHIH-TSAI
Geometrically nonlinear random vibrations of structures 09 p1351 N91-17423
CHEN, CHING S.
Three-dimensional viscous drag prediction for rotor blades 02 p0148 N91-10865
CHEN, CHUCK
Numerical simulation of oblique detonation and shock-deflagration waves with a laminar boundary layer
17 p2775 N91-25356
CHEN, D.
Bulging of fatigue cracks in a pressurized aircraft fuselage
[LR-647] 11 p1649 N91-19094
CHEN, D. W.
Analysis of stratocumulus cloud fields using LANDSAT imagery: Size distributions and spatial separations
01 p0085 N91-10504
CHEN, DAPANG
Visual pattern image coding 07 p1068 N91-15875
CHEN, E.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296
CHEN, ERIC J. H.
Materials Research Society Proceedings: Interfaces in Composites, volume 170
[AD-A229200] 09 p1413 N91-17777
CHEN, EUGENE Y. S.
Intelligent manipulation technique for multi-branch robotic systems
[NASA-CR-187651] 06 p0833 N91-14603
CHEN, F. C.
Performances of four magnetic heat-pump cycles
[DE90-015606] 02 p0212 N91-11185
Performance comparison of magnetic refrigeration cycles
[DE91-001520] 05 p0645 N91-13578
Loss analysis of the thermodynamic cycle of magnetic heat pumps
[DE91-007669] 11 p1812 N91-19950
CHEN, G.
Out-of-plane strengths of steel beams
[PB91-137471] 16 p2644 N91-24637
Stabilization and control problems in structural dynamics
[AD-A235189] 18 p3000 N91-26567
CHEN, G. L.
Performances of four magnetic heat-pump cycles
[DE90-015606] 02 p0212 N91-11185
Performance comparison of magnetic refrigeration cycles
[DE91-001520] 05 p0645 N91-13578
Loss analysis of the thermodynamic cycle of magnetic heat pumps
[DE91-007669] 11 p1812 N91-19950
CHEN, G.-S.
Analysis of elastically tailored viscoelastic damping member 01 p0054 N91-10319
CHEN, GUANRONG
Exact and explicit optimal solutions for trajectory planning and control of single-link flexible-joint manipulators 12 p1939 N91-20667
CHEN, GUI-QUIANG
Limit behaviors of approximate solutions to conservation laws
[DE90-010089] 08 p1208 N91-16646
CHEN, GUOTING
Nilpotent normal form via Carleman linearization (for systems of ordinary differential equations)
[RR-838-M] 15 p2494 N91-23809
CHEN, H. C.
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 1: Theory document
[NASA-CR-181924-VOL-1] 16 p2548 N91-24118
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 2: User guide
[NASA-CR-181924-VOL-2] 16 p2548 N91-24119
A general multiblock Euler code for propulsion integration. Volume 1: Theory document
[NASA-CR-187484-VOL-1] 16 p2548 N91-24120
A general multiblock Euler code for propulsion integration. Volume 2: User guide for BCON, pre-processor for grid generation and GMBE
[NASA-CR-187484-VOL-2] 16 p2548 N91-24121
A general multiblock Euler code for propulsion integration. Volume 3: User guide for the Euler code
[NASA-CR-187484-VOL-3] 16 p2548 N91-24122
CHEN, H. H.
Connectionist models for intelligent computation
[AD-A235514] 19 p3234 N91-27879
Solitons and chaos in laser-plasma interaction
20 p3409 N91-28898
CHEN, H. L.
Numerical simulation of a complicated transition-breakdown of vortical flows inside a circular pipe 08 p1140 N91-16273
Numerical study on cut-and-connect of three-dimensional vortex tubes
[ISAS-639] 19 p3162 N91-27482
CHEN, HAYDN
Multidisciplinary study of phase separation in a supersaturated Ni-Si alloy
[DE91-006586] 10 p1499 N91-18253
CHEN, HEH-CHYUN
Probabilistic structural mechanics research for parallel processing computers
[NASA-CR-187162] 20 p3365 N91-28644
CHEN, HERN-CHUNG
Target motion compensation in synthetic aperture radar 09 p1323 N91-17267
CHEN, HSINCHUN
An artificial intelligence approach to the design of online information retrieval systems 03 p0426 N91-12388
CHEN, HSUN
Prediction of ice shapes and their effect on airfoil performance
[NASA-TM-103701] 11 p1640 N91-19047
CHEN, HUO-WANG
Acoustic harmonic and transient response of fluid-loaded shells of revolution
16 p2623 N91-24522
CHEN, I-WEI
Multipurpose 2000 C furnace for physical testing in controlled atmosphere
[AD-A224851] 03 p0369 N91-12067
Mechanistic studies of pressure-assisted superplasticity of structural ceramics
[AD-A232034] 15 p2406 N91-23322
CHEN, ING-RAY
An AI-based architecture of self-stabilizing fault tolerant distributed process control programs and its analysis
14 p2312 N91-22768
CHEN, J.
Magnetic properties of the electron-doped superconductor Nd(2-x)Ce(x)CuO(4-delta)
[AD-A225050] 03 p0423 N91-12365
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828
A variational assimilation method for satellite and conventional data: Development of basic model for diagnosis of cyclone systems
[NASA-CR-188667] 19 p3202 N91-27701
CHEN, J. C.
Analysis of a thick dichroic plate with rectangular holes at arbitrary angles of incidence
10 p1510 N91-18310
DSS 13 phase 2 pedestal room microwave layout
24 p3987 N91-32272
CHEN, J. G.
Critical currents, magnetic relaxation, and microstructure in zone-melted YBa2Cu3O(x)
[DE91-006594] 09 p1418 N91-17807
Enhanced flux pinning by crystal defects in melt-textured YBa2CuO(x)
[DE91-011120] 17 p2873 N91-25889
Critical current and flux pinning by crystal defects in melt-textured YBa2Cu3O(x)
[DE91-011749] 17 p2874 N91-25895
Critical currents in melt-textured YBa2Cu3O(x)
[DE91-016523] 24 p4109 N91-32966
CHEN, J. I.
Synthesis and characterization of electroactive polymers based on pyrrole
[AD-A226324] 04 p0507 N91-12819
Far infrared dielectric properties of polypyrrole doped with the tosylate anion
[AD-A226326] 04 p0507 N91-12820
CHEN, J. L. S.
Advanced study in solid transport: Rheological behavior of dense suspension
[DE91-009428] 18 p2982 N91-26467
CHEN, JACQUELINE H.
Direct numerical simulations of a plane compressible wake: Stability, vorticity dynamics, and topology
[NASA-CR-187737] 07 p0936 N91-15129
CHEN, JAMES
Propulsion simulation for magnetically suspended wind tunnel models
[NASA-CR-182093] 02 p0182 N91-11027
CHEN, JIAHN-HORNG
A numerical study of flow past a cylindrical body
21 p3511 N91-29497
CHEN, JIASHENG
Long-term modulation of cosmic rays in interplanetary magnetic turbulence 07 p1082 N91-15952
CHEN, JUN-LON
A theoretical and experimental study of the interior ballistic processes of an electrothermal gun
20 p3289 N91-28185
CHEN, K. C.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
High-temperature ceramic superconductors
[AD-A234620] 18 p3068 N91-26953

Electromagnetic penetration of slot apertures with depth and losses
[DE91-016401] 23 p3856 N91-31500
CHEN, K. W.
Experimental research on high gradient acceleration by wakefields in an elliptic cavity at the UTA wake field test facility
[AD-A229503] 22 p3749 N91-30896
CHEN, KAI-YOU
Relativistic effects in millisecond pulsars and active galactic nuclei 05 p0764 N91-14247
CHEN, KUAN-LUEN
Elevated temperature crack growth in titanium aluminides
[AD-A227700] 08 p1115 N91-16125
CHEN, KUN-MU
Radar target discrimination and identification using extinction-pulses and single-mode extraction pulses
[AD-A232162] 15 p2414 N91-23368
CHEN, KUO-HUEY
A primitive variable, strongly implicit calculation procedure for two and three-dimensional unsteady viscous flows: Applications to compressible and incompressible flows including flows with free surfaces 17 p2775 N91-25360
CHEN, KWAN-YU
Atmospheric occultation of a solar flare in hard x rays 17 p2881 N91-25931
CHEN, L. Y.
Diamondlike carbon as a moisture barrier and antireflecting coating on optical materials 10 p1509 N91-18302
CHEN, L.-D.
Wick-type liquid-metal combustion
[AD-A236204] 19 p3126 N91-27271
CHEN, LONG-JENG
Analysis of shock propagation and shock-initiated reaction in granular energetic materials 20 p3331 N91-28446
CHEN, LUNG ALBERT
Knowledge-based retrieval of information as a process of evidential reasoning 15 p2522 N91-23978
CHEN, M.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903
CHEN, M. H.
A calculation of gain in Ne-like Ag soft x ray lasers
[DE91-009758] 14 p2270 N91-22559
CHEN, MARGARET WEIN-MEI
The polar wind and ionospheric outflow 15 p2463 N91-23645
CHEN, NAN
Diffusion in YBa2Cu3O7-(delta)
[DE91-010268] 14 p2337 N91-22920
CHEN, P.
Simulations on pair creation from beam-beam interaction in linear colliders
[DE91-012315] 20 p3398 N91-28834
CHEN, P. J.
Dissociative adsorption of PH3 on Si(111)-(7x7). A high resolution electron energy loss spectroscopy study
[AD-A225313] 03 p0339 N91-11900
The stepwise dissociation of NH3 on the Si(111)-(7x7) surface: Low temperature dissociative adsorption and thermal effects
[AD-A235009] 18 p2949 N91-26274
CHEN, PANG C.
Practical path planning among movable obstacles
[DE91-000034] 11 p1781 N91-19768
CHEN, PEI-YEN
Vibration suppression of flexible structures using colocated velocity feedback and nonlocal actuator control 03 p0377 N91-12108
CHEN, PETER
Supersonic pyrolysis jets for diamond film deposition
[AD-A236035] 19 p3140 N91-27354
CHEN, PI-FUAY
Automated extraction of airport runway patterns from radar imagery
[AD-A231809] 14 p2256 N91-22480
CHEN, PINYUEN
Truncated inverse sampling procedure for multinomial subset selection
[AD-A235769] 19 p3236 N91-27891
CHEN, PISIN
Plasma focusing and diagnosis of high energy particle beams
[DE91-002966] 07 p1068 N91-15876
CHEN, PO-SHOU
Hydrogen-induced fracture characteristics of single crystal nickel-based superalloy 17 p2758 N91-25268
CHEN, QUARK
Application of high-temperature superconductors to high-precision accelerometers 05 p0724 N91-14042
CHEN, R.
Interface-Phonon-Mediated magnetopolaronic effect on impurity transition energies in quantum wells
[AD-A232390] 16 p2694 N91-24913
Polaron ground state in a double heterostructure of polar crystals
[AD-A235037] 18 p3070 N91-26963
CHEN, RAY
An optically activated modulator and GaAs-GaAlAs compound semiconductor channel waveguide
[AD-A238642] 21 p3599 N91-30023
CHEN, S.
Practical identification of NARMAX models using radial basis functions
[RR-393] 07 p1060 N91-15829
Properties of neural networks with application to modelling nonlinear dynamical systems
[RR-418] 22 p3742 N91-30846
A recursive hybrid algorithm for non-linear system identification using radial basis function networks
[RR-422] 22 p3745 N91-30870
CHEN, S. R.
Texture and microstructure development in Al-2 percent Mg during high-temperature deformation
[DE91-007355] 11 p1722 N91-19480
CHEN, S. S.
Unsteady fluid forces and fluidelastic vibration of a group of circular cylinders
[DE90-013661] 02 p0213 N91-11190
Dynamic tube/support interaction in heat exchanger tubes
[DE91-006089] 13 p2104 N91-21582
A theory for fluidelastic instability of tube-support-plate inactive modes
[DE91-009676] 15 p2444 N91-23538
A theory for fluidelastic instability of tube-support-plate inactive modes
[DE91-006001] 15 p2445 N91-23542
CHEN, SHENG-CHANG
Synthesis and characterization of reduced ternary molybdenum oxides and soluble copper (III) alkoxide complexes
[DE91-012679] 20 p3426 N91-29001
CHEN, SHERRY CHOU
Spectral responses of soybean and cotton from Landsat/TM digital data
[INPE-5179-PRE/1648] 13 p2110 N91-21614
Evaluation of the accuracy of thematic mapping and measurement of an area mapped from satellite data
[INPE-5223-NTE/296] 22 p3697 N91-30583
CHEN, SHIH-EMN
The influence of stress on the dynamic response of elastic layers 03 p0380 N91-12122
CHEN, SHIYI
Simulation of pore scale porous media flow using lattice gas methods
[DE91-004829] 18 p2986 N91-26484
CHEN, SHUYI
A numerical study of the genesis of extratropical convective mesovortices 09 p1362 N91-17489
CHEN, SINN-WEN
Phase equilibria and solidification of Al-Li and Al-Li-Cu alloys 15 p2400 N91-23290
CHEN, SOW-HSIN
inverse problem in neutron reflection
[DE91-014457] 21 p3593 N91-29984
CHEN, T. F.
Flutter consideration of a crash-test aircraft
[DE91-015094] 21 p3460 N91-29192
CHEN, T. N.
Wear reduction systems liquid piston ring
[DE91-002036] 16 p2636 N91-24595
Variable speed gas engine-driven air compressor system. Phase 1: System analysis
[PB91-159533] 18 p2993 N91-26530
CHEN, T. S.
The impact of NOAA satellite soundings on the numerical analysis and forecast system of the People's Republic of China. Part 1: FGGE data. Part 2: December 1987 data
[AD-A227463] 09 p1366 N91-17506
CHEN, TUNGYANG
Selected problems in micromechanics of fibrous composites 17 p2745 N91-25188
CHEN, TZENGYUAN
Driving of axial acoustic fields by sidewall-stabilized diffusion flames 16 p2592 N91-24363
CHEN, W.
Neutron radiation damage studies on silicon detectors
[DE91-008441] 11 p1699 N91-19361
Purification, growth, and characterization of Zn(x)Cd(1-x)Se crystals 19 p3270 N91-28089
CHEN, W. H.
Critical currents, magnetic relaxation, and microstructure in zone-melted YBa2Cu3O(x)
[DE91-006594] 09 p1418 N91-17807
CHEN, W. S.
High efficiency CuInSe2 and CuInGaSe2 cells and materials research
[DE90-000362] 02 p0229 N91-11280
CHEN, WEI
Feasibility study, software design, layout and simulation of a two-dimensional fast Fourier transform machine for use in optical array interferometry
[NASA-CR-186922] 05 p0698 N91-13885
CHEN, WENPING
Near-infrared milliarcsecond observations by the lunar occultation technique 15 p2533 N91-24034
CHEN, WILLIAM Y.
The effect of code expanding optimizations on instruction cache design
[NASA-CR-188467] 16 p2672 N91-24789
CHEN, WON-ZON
Constrained optimization approach to feedback control of state-augmented systems 02 p0258 N91-11433
CHEN, Y.
Radiation damage in Al2O3 crystals implanted with 3.8 MeV Fe(2+)
[DE90-016038] 01 p0129 N91-10761
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-628758] 02 p0271 N91-11524
On the inverse scattering problem for the Helmholtz equation in one dimension
[AD-A233346] 16 p2679 N91-24828
CHEN, Y. C.
Development and evaluation of packet video schemes
[NASA-CR-187690] 07 p0990 N91-15433
CHEN, Y. G.
A transportable 50 kA dual mode lightning simulator 24 p4052 N91-32633
CHEN, Y. J.
Degradation of brightness by resonant particle effects
[DE91-015181] 21 p3525 N91-29578
CHEN, Y. M.
Studies on relaxation behavior of corona poled aromatic dipolar molecules in a polymer matrix
[AD-A226512] 04 p0509 N91-12827
Second harmonic properties of aromatic Schiff's bases functionalized in the side chains of polymethylmethacrylate
[AD-A235857] 19 p3139 N91-27346
Langmuir-Blodgett films of aromatic Schiff's bases functionalized in the side chains of polymethacrylate
[AD-A235858] 19 p3139 N91-27347
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A235962] 19 p3140 N91-27352
Photocross-linked second order nonlinear optical polymers
[AD-A235855] 20 p3321 N91-28385
CHEN, Y.-Y.
Second order modeling of boundary-free turbulent shear flows
[NASA-TM-104369] 14 p2264 N91-22524
CHEN, YAOFENG
Interface crack in nonhomogeneous bonded materials of finite thickness 17 p2788 N91-25425
CHEN, YEN-MING
Development of the wake behind a circular cylinder impulsively started into rotatory and rectilinear motion: Intermediate rotation rates
[NASA-CR-187512] 10 p1462 N91-18063
CHEN, YI-JUNG
Study of the influence of imperfections on the dynamic stability of tanks
[DE90-011094] 08 p1162 N91-16398
CHEN, YINCHAO
Compact representation of radiation patterns using spherical mode expansions
[DE91-000019] 02 p0204 N91-11141
CHEN, Z.
A structural constitutive algorithm based on continuum damage mechanics for softening with snapback
[DE90-015841] 05 p0679 N91-13773
CHENAULT, DAVID B.
Infrared material property measurements with polarimetry and spectropolarimetry
[AD-A224940] 03 p0337 N91-11890
Analysis of polarizing optical systems for digital optical computing with symmetric self electrooptic devices
[AD-A232768] 15 p2509 N91-23906
CHENAULT, V. MICHELLE
Characterization of blood drawn rapidly for use in blood volume expansion studies: An animal model for simulated weightlessness 14 p2204 N91-22175
CHENEVERT, DON J.
John C. Stennis Space Center roles and missions 20 p3300 N91-28259

CHENEVEY, MICHAEL J.
Nature and origin of secondary mineral coatings on volcanic rocks of the Black Mountain, Stonewall Mountain, and Kane Springs Wash volcanic centers, southern, Nevada
[NASA-CR-183493] 24 p4043 N91-32591

CHENEY, FRANK E.
Medical management of combat laser eye injuries
17 p2827 N91-25619

CHENEY, M.
Use of electrical impedance imaging in two-phase, gas-liquid flows
[DE91-015914] 21 p3517 N91-29531

CHENG, ANDREW F.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182

CHENG, BILL H.
An evaluation of the NEKTON program
[AD-A237888] 21 p3514 N91-29513

CHENG, C. C.
H-induced surface restructuring on Si(100): Formation of higher hydrides
[AD-A225499] 04 p0500 N91-12778
Effect of postdeposition annealing on structure and chemistry of the TiN film/steel substrate interfaces
[DE91-006657] 10 p1499 N91-18249
Research on silicon, carbon, and silicon carbide heterostructures
[AD-A231943] 14 p2249 N91-22444
Adsorption and decomposition of acetylene on Si(100)-(2x1)
[AD-A233808] 18 p2945 N91-26248
Atomic hydrogen driven halogen extraction from Si(100): Eley-Rideal surface kinetics
[AD-A239544] 23 p3812 N91-31266
Tribological behavior of silver films prepared on ceramic surfaces by ion-beam-assisted deposition
[DE91-017306] 24 p4027 N91-32505

CHENG, C. Z.
Three-dimensional particle simulation of trapped electron instabilities in tokamaks
20 p3408 N91-28891
Propagation of drift waves in toroidal plasma systems
20 p3416 N91-28939

CHENG, CHIEH-SAN
Astromag data system concept
[NASA-CR-186341] 15 p2387 N91-23211

CHENG, CHIH-HSIUNG
The effects of streamline curvature and swirl on turbulent flows in curved ducts
[NASA-CR-187759] 07 p1003 N91-15506

CHENG, DOREEN Y.
A survey of parallel programming tools
[NASA-CR-188680] 19 p3233 N91-27874

CHENG, E. S.
Early results from the Cosmic Background Explorer (COBE)
13 p2172 N91-21988

CHENG, E. T.
The evolution of US helium-cooled blankets
[DE91-017938] 24 p4107 N91-32952

CHENG, F.
Mapping the BLR: Line variability in Fairall-9
09 p1445 N91-17972

CHENG, F. H.
An estimation of temperatures of H I zone in BLR of Seyfert 1 galaxy I ZW1 09 p1443 N91-17959

CHENG, HAI-YUIN
The growth of zinc selenide single crystals by physical vapor transport in microgravity
[NASA-CR-180428] 01 p0127 N91-10755

CHENG, HSIEN K.
Hypersonic viscous flow
[AD-A226072] 04 p0471 N91-12638

CHENG, JUNG-WEI
Explicit models for proportional damping in Timoshenko beams 20 p3365 N91-28642

CHENG, K.-P.
Hot interstellar gas and ionization of embedded clouds
05 p0746 N91-14161

CHENG, KWANG-PING
Ionization in the local interstellar and intergalactic media 05 p0765 N91-14249
A search for Beta Pictoris analogs
09 p1433 N91-17891

CHENG, LAP Y.
Counter-current flow limited CHF in thin rectangular channels
[DE91-004755] 09 p1337 N91-17345

CHENG, LI-JEN
Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU]
05 p0716 N91-13998

CHENG, PETER Y.
Aeroservoelastic stabilization techniques for hypersonic flight vehicles
[NASA-CR-187614] 22 p3623 N91-30156

CHENG, RAYMOND S.
SCATSPHERE2: A computation for the plane-wave scattering from a submerged, elastic, spherical, evacuated or fluid-filled, thin shell
[AD-A228867] 08 p1219 N91-16709
Finite element solution of transient fluid-structure interaction problems 12 p1912 N91-20517

CHENG, ROBERT K.
Statistical errors in the fractal analysis of flame boundaries
[DE91-001795] 06 p0804 N91-14439
The application of the turbulent burning speed concept to laboratory flames
[DE91-001789] 06 p0806 N91-14449

CHENG, S.
The rate (time)-dependent mechanical behavior of modified 9Cr-1Mo steel. Part 1: Experiments at 538 C
[DE91-011097] 20 p3360 N91-28615

CHENG, T. S.
Laser Raman diagnostics in subsonic and supersonic turbulent jet diffusion flames
[NASA-CR-188172] 14 p2244 N91-22411

CHENG, UNJENG
Topology-selective jamming of fully-connected, code-division random-access networks
22 p3660 N91-30373

CHENG, XIANG SHENG
Design and implementation of an image understanding system: DADS
[ETN-91-98926] 11 p1781 N91-19773

CHENG, YI-WEN
Data-reduction and analysis procedures used in NIST's thermomechanical processing research
[PB91-132282] 15 p2441 N91-23523

CHENGBIN, YU
Brief introduction to noncontact type large-dimension three-coordinate measurement system
[AD-A233436] 16 p2613 N91-24468

CHENIN, PATRICK
Searching algorithms for the real roots of a Bezier function
[RR-834-I-AND-M] 15 p2484 N91-23755

CHENOWETH, DONALD R.
Compressible flow of a multiphase fluid between two vessels. Part 1: Ideal carrier gas
[DE91-000490] 04 p0523 N91-12911

CHEON, TAKSU
Eigenvalue statistics of distorted random matrices
[DE90-513782] 04 p0576 N91-13203

CHEONG, S. W.
Thermal desorption studies of isotopically-labeled oxygen-induced superconductivity in La2CuO(4+delta)
[DE91-004898] 08 p1236 N91-16812

CHEONG, S.-W.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854

CHEONG, S-W.
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959

CHEPLICK, J. M.
Preliminary testing, evaluation and sensitivity analysis for the Terrestrial Ecosystem Exposure Assessment Model (TEEAM)
[PB91-161711] 18 p3006 N91-26602

CHEPPONIS, MICHAEL
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949

CHERCHNEFF, ISABELLE
Infrared fluorescence from PAHs in the laboratory
06 p0893 N91-14934

CHERKASOVA, LUDMILA
A fully abstract model for concurrent nondeterministic processes based on posets with non-actions
[CWI-CS-R9031] 10 p1582 N91-18711

CHERMAHINI, R. G.
On the variation in crack-opening stresses at different locations in a three-dimensional body
[NASA-CR-187722] 05 p0678 N91-13768

CHERN, MING Y.
Synthesis, structure, and properties of anti-perovskite nitrides Ca3MN, M=P, As, Sb, Bi, Ge, Sn, and Pb
[AD-A236589] 19 p3126 N91-27273

CHERN, YI-TZONG
Forced vibration analysis of plates and shallow shells
02 p0221 N91-11237

CHERNENKOV, YU. P.
Diffuse x ray scattering YBa2Cu3O(6.95) monocrystal
[DE91-615182] 11 p1810 N91-19943

CHERNIN, ARTHUR D.
Dynamics and configurations of galaxy triplets
08 p1261 N91-16946
Triplets of galaxies: Their dynamics, evolution, and the origin of chaos in them 08 p1262 N91-16948

CHERNIN, D.
Quantum extension of Child-Langmuir law
[AD-A232407] 15 p2505 N91-23878

CHERNISS, S. C.
NASA/Ames Research Center DC-8 data system
17 p2794 N91-25458

CHERNOFF, D. F.
MHD shocks in the ISM 05 p0751 N91-14183

CHERNOFF, HERMAN
Asymptotic distribution of the likelihood ratio test that a mixture of two binomials is a single binomial
[AD-A236714] 19 p3236 N91-27896
Research in regression, information retrieval, inversion of noisy transforms, and stochastic control
[AD-A239490] 23 p3937 N91-32001

CHERNOV, A. A.
Calculation of the pointing accuracy of spacecraft equipment using autonomous measurements of the angular position of the object of investigation
18 p2930 N91-26167

CHERNOV, E. N.
Experimental modelling of lightning interaction phenomena with a free potential conducting objects
24 p4068 N91-32729

CHERRETT, M. A.
Temperature error compensation applied to pressure measurements taken with miniature semiconductor pressure transducers in a high-speed research compressor
[RAE-TM-P-1192] 12 p1830 N91-20056
Unsteady viscous flow in a high speed core compressor
[RAE-TM-P-1198] 22 p3678 N91-30480

CHERRY, JOHN
Connectivity alternatives for remote users of the Maintenance Processor Subsystem (MPS)
[DOT/FAA/CT-90/16] 05 p0700 N91-13900

CHERVENAK, ANN L.
Performance measurements of the first RAID prototype
[NASA-CR-187958] 11 p1773 N91-19718

CHESNER, C. A.
Planetary materials and resource utilization: An interdisciplinary engineering design course at Michigan Technological University 14 p2205 N91-22180

CHESNUTT, J. C.
Research and development for improved toughness aluminides
[AD-A226627] 05 p0636 N91-13524

CHESSER, NANCY C.
Department of Defense methodology guidelines for High Power Microwave (HPM) susceptibility assessments
[DE90-015405] 02 p0205 N91-11147

CHESSON, CHARLES V., II
Effect of a passive cooling vest on tension/anxiety and fatigue in a high heat and high humidity naval environment
[AD-A234657] 18 p3035 N91-26755

CHESSUM, C.
Lightning protection design and testing of an all composite wet wing for the Egrett
24 p4053 N91-32642

CHESTON, THEODORE C.
Adaptive phase-shifter nulling techniques for large-aperture phased arrays
[AD-D014613] 07 p0990 N91-15432

CHETWYND, D. G.
A hydraulically driven microdisplacement unit
[ME-56] 08 p1160 N91-16392

CHEUNG, FAN-BILL
Liquid jet breakup and atomization in rocket chambers under dense spray conditions 20 p3296 N91-28227

CHEUNG, HERBERT C.
The 3-(bromoacetamido)-propylamine hydrochloride: A novel sulfhydryl reagent and its future potential in the configurational study of S1-myosin
19 p3269 N91-28083

CHEUNG, K.-M.
A high-speed distortionless predictive image-compression scheme 03 p0354 N91-11981
Compressed/reconstructed test images for CRAF/Cassini 10 p1511 N91-18316
Recent advances in coding theory for near error-free communications 15 p2540 N91-24068

Frame error rate of the NASA concatenated coding system 24 p3986 N91-32266

CHEUNG, SAMSON H.
Application of CFD to sonic boom near and mid flow-field prediction
[NASA-TM-102867] 01 p0003 N91-10015

CHEVALIER, ROGER A.
Theory and laboratory astrophysics 24 p4120 N91-33025

CHEVALIER, T.
Flow visualization and simulation
[AAAF-NT-89-18] 23 p3870 N91-31590

CHEVALLIER, J.
EVA servicing: The Hermes capability 15 p2450 N91-23575

CHEVALLIER, J. P.
Instrumentation under development for the ONERA F4 wind tunnel
[AAAF-NT-89-11] 23 p3798 N91-31187

CHEVERS, ED
Systems Engineering and Integration (SE and I) 09 p1279 N91-17032

CHEVERUD, JAMES
The 1988 anthropometric survey of US Army personnel: Correlation coefficients and regression equations. Part 1: Statistical techniques, landmark, and measurement definitions
[AD-A224986] 03 p0395 N91-12194
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 2: Simple and partial correlation tables-male
[AD-A224987] 04 p0551 N91-13055
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 3: Simple and partial correlation tables-female
[AD-A224988] 04 p0551 N91-13056
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 4: Bivariate regression tables
[AD-A224989] 04 p0551 N91-13057
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 5: Stepwise and standard multiple regression tables
[AD-A224990] 04 p0551 N91-13058

CHEVRETON, M.
New efforts in the search for extrasolar planets 10 p1620 N91-18932

CHEVRIER, PIERRE
Numerical simulation of the electric arc gas flow interaction in mean and high voltage circuit breakers
[ETN-91-99476] 22 p3670 N91-30435

CHEW, J. W.
Numerical solutions of rotating disc flows using a non-linear multigrid algorithm
[PNR-90679] 01 p0044 N91-10259

CHEW, JAMES S. B.
Solid rocket propulsion applications for advanced polymers 16 p2576 N91-24279

CHEW, LARRY PHYE KENG
Experimental investigation of free shear-layer optics 17 p2863 N91-25836

CHEW, MENG-SANG
Integration of mechanism and control for large-angle slew maneuvers of flexible structures
[NASA-CR-187876] 10 p1486 N91-18188
Ground-based testing of the dynamics of flexible space structures using band mechanisms
[NASA-CR-188154] 13 p2103 N91-21576
Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] 20 p3289 N91-28184
Noncircular rolling joints for vibrational reduction in slewing maneuvers
[NASA-CASE-LAR-14515-1-CU] 20 p3354 N91-28580

CHEW, N. G.
Progress in high Tc superconductors 05 p0722 N91-14031

CHEW, PAUL
Masking failures of multidimensional sensors (extended abstract)
[NASA-CR-188120] 14 p2308 N91-22752
Masking failures of multidimensional sensors
[AD-A235580] 19 p3219 N91-27790

CHHABILDAS, L. C.
Dynamic yield strength and spall strength measurements under quasi-isentropic loading
[DE90-016105] 04 p0537 N91-12977
Hypervelocity launch capabilities to over 10.4 km/s
[DE91-010859] 18 p2934 N91-26186
Sandia's new hypervelocity launcher (HVL)
[DE91-014335] 20 p3287 N91-28178
Launch capabilities to over 10 km/s
[DE91-014657] 21 p3463 N91-29203
The use of high velocity launchers for scientific and engineering studies
[DE91-015564] 21 p3464 N91-29208
Whipple bumper shield simulations
[NASA-TM-105089] 21 p3465 N91-29213
Dynamic behavior of fully dense molybdenum
[DE91-014902] 21 p3480 N91-29304

CHI, JEFFERY YAN-PING
The design of partitioned distributed database directories 17 p2885 N91-25946

CHI, JOSEPH
The transient performance of a two-phase fluid reservoir 17 p2881 N91-25932

CHI, MAGGIE M. Y.
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702

CHI, MICHELENE T.
The content of physics self-explanations
[AD-A229737] 12 p1974 N91-20860

CHI, TIEN
Particle deposition in granular media
[DE90-010810] 08 p1138 N91-16261

CHI, ZHIZANG
BUBBLES: An automated decision support system for final approach controllers 11 p1637 N91-19027

CHIANG, C. J.
The Concept-90 photovoltaic concentrator module
[DE91-010852] 17 p2805 N91-25509

CHIANG, CLEMENT J.
Reliability of photovoltaic concentrator modules
[DE90-012754] 06 p0842 N91-14651

CHIANG, DING-AN
Query processing for deductive databases with null values 15 p2522 N91-23979

CHIANG, HAU-JEI
An experimental investigation of the leading edge of diffusion flames 22 p3610 N91-30084

CHIANG, J. F.
Corrosion of graphite aluminum metal matrix composites
[AD-A234322] 18 p2941 N91-26220

CHIANG, LIU CHAN
Spot 1: Imagery in geologic mapping: A comparative study with several remote sensing products in the Curaca River Valley, Bahia
[INPE-5136-PRE/1624] 13 p2108 N91-21608

CHIANG, T. K.
Evaluating the performance of ceramic candle filters in a hot particulate-laden stream
[DE90-000483] 22 p3652 N91-30326

CHIANG, Y. M.
Measurements of grain boundary properties in nanocrystalline ceramics
[DE91-006662] 10 p1503 N91-18273
Determination of thermodynamic and kinetic properties of grain boundaries using high temperature calorimetry
[DE91-015571] 21 p3600 N91-30031

CHIAPPETTA, L.
Hydrogen-fueled scramjet investigation
[AD-A237569] 21 p3459 N91-29183

CHIARAMONTE, FRANCIS P.
Design strategies for the International Space University's variable gravity research facility 14 p2204 N91-22171
The International Space University's variable gravity research facility design
[NASA-TM-105224] 23 p3800 N91-31196

CHIARANTINI, L.
Applications of MultiFrequency (MF) SAR images in hydrology 07 p0991 N91-15439

CHIARELLO, R. P.
X ray diffraction study of heteroepitaxy of MOCVD grown TiO2 and VO2 films on sapphire single crystals
[DE91-013764] 20 p3432 N91-29037

CHIAROTTI, GUIDO L.
Theory of structure and properties of hydrogenated amorphous silicon
[DE91-009353] 13 p2056 N91-21315

CHIARULLI, DONALD M.
Coincident pulse techniques for hybrid electronic optical computer systems
[AD-A233195] 16 p2689 N91-24887

CHIBA, AKIRA
Digital data processing system for bipropellant apogee engine
[NAL-TM-599] 02 p0188 N91-11052

CHIBA, MASAKATSU
Experimental studies on a nonlinear hydroelastic vibration of circular cylindrical tanks
[LRT-WE-9-FB-10(1990)] 11 p1704 N91-19387

CHIBA, MASATOSHI
Development of solid-lubricated ball-screws for use in space 16 p2641 N91-24617

CHIBA, SATOSHI
Evaluation of neutron nuclear data for O-16
[DE90-008105] 17 p2861 N91-25822

CHICK, C. J.
Vibrationally resolved photoelectron spectra of Si3 and Si4
[AD-A225383] 03 p0339 N91-11901
Study of the low-lying electronic states of Si2 and Si2(-) using negative ion photodetachment techniques
[AD-A234336] 18 p2946 N91-26256

CHICK, L. A.
Advanced materials for high-temperature solid electrolyte applications
[DE90-016328] 01 p0024 N91-10143
Advanced materials and electrochemical processes in high-temperature solid electrolytes
[DE91-005181] 10 p1521 N91-18379
Ultra-fine powders using glycine-nitrate combustion synthesis
[DE91-012926] 20 p3325 N91-28412
Alternative materials for solid oxide fuel cells: Chromite interconnections
[DE91-014447] 20 p3369 N91-28664
Air-sintering mechanisms of chromites
[DE91-015527] 21 p3599 N91-30027

CHIDESTER, K. M.
Carbide fuels for nuclear thermal propulsion
[DE91-016032] 23 p3927 N91-31945

CHIEN, ANDREW ANDAI
Concurrent Aggregates (CA): A object-oriented language for fine-grained message-passing machines
[AD-A228712] 09 p1383 N91-17605

CHIEN, K.-F.
Ion-assisted doping of 2-6 compounds during physical vapor deposition
[DE90-000358] 01 p0128 N91-10756

CHIEN, LUNG-SIAEN
Parallel computational methods on structural mechanics analysis 03 p0378 N91-12111

CHIEN, T. H.
Implementation of the flow-modulated skew-upwind difference scheme in the COMMIX-1C code: A first assessment
[DE91-011168] 18 p2986 N91-26489

CHIH, PING PING
Temporal variations of cosmic rays in the heliosphere 05 p0768 N91-14267

CHIK, J.
Airflow model testing to determine the distribution of hot gas flow and O/F ratio across the space shuttle main engine main injector assembly 16 p2570 N91-24244

CHILCOTT, GARY A.
Space doctrine
[AD-A234971] 18 p3054 N91-26866

CHILD, JACK B.
Accessibility of near-Earth asteroids, 1990 17 p2915 N91-26092

CHILDERS, RICHARD
Circuit protection devices for transient suppression 24 p4069 N91-32732

CHILDRESS, C.
The cure of rigid polyurethane encapsulating foam
[DE91-016059] 21 p3492 N91-29379

CHILDRESS, C. E.
Quality control and nondestructive test procedures for welded products
[DE91-004530] 06 p0836 N91-14623

CHILDS, CYNTHIA L.
MARVEL: A knowledge-based productivity enhancement tool for real-time multi-mission and multi-subsystem spacecraft operations 14 p2217 N91-22256

CHILDS, DARA W.
Rotordynamic and leakage characteristics of a 4-stage brush seal
[AD-A235336] 18 p2995 N91-26541

CHILDS, JEFFREY D.
Cloud atlas for the FIRE Cirrus Intensive Field Observation (IFO) 01 p0082 N91-10487

CHILLERY, J. A.
Optimisation of operational workload levels using neurophysiological and cognitive techniques 08 p1193 N91-16560

CHIMA, RODRICK V.
Analysis of three-dimensional viscous flow in a supersonic throughflow fan 02 p0152 N91-10885
An unconditionally stable Runge-Kutta method for unsteady rotor-stator interaction 16 p2587 N91-24337

CHIN, B. A.
Dual ion implantation effects on fatigue properties of Fe-13Cr-15Ni alloys
[DE91-015930] 23 p3816 N91-31286

CHIN, BRYAN A.
The properties and weldability of low activation ferritic steels
[DE90-011872] 09 p1311 N91-17195

CHIN, G.
Limit on the CH4/CO ratio in Comet Levy (1990c) and comparisons with other comets
17 p2897 N91-26013
CHIN, GREGORY E.
Information visualization techniques in a multi-mission operations environment
14 p2221 N91-22277
Multi-misssion spacecraft planning and control process: Multi-mission sequence of events
14 p2221 N91-22280
CHIN, HUNG-NENG S.
Impact of the ice phase on a mesoscale convective system: Cloud ensemble features and cloud radiative properties
[DE91-015769] 23 p3896 N91-31749
CHIN, HUNG-NENG STEVE
Modeling study of tropical nonsquall and squall clusters
06 p0849 N91-14685
CHIN, R. C. Y.
Domain decomposition: An instrument of asymptotic-numerical methods
[DE90-016478] 01 p0113 N91-10661
Layer tracking asymptotics and domain decomposition
[DE91-008593] 13 p2081 N91-21462
CHIN, SUEI
Fourier functional analysis for unsteady aerodynamic modeling
[NASA-CR-187964] 10 p1462 N91-18064
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 1: Steady
[AD-A233482] 16 p2547 N91-24113
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 2: User manual for VORSTAB-2
[AD-A233483] 16 p2547 N91-24114
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 3: Unsteady
[AD-A233569] 16 p2547 N91-24115
CHIN, YONG HO
Coherent radiation in an undulator
[DE91-007744] 10 p1516 N91-18346
CHING, CHO ONG
Free wake analysis of hover performance using a new influence coefficient method
[NASA-CR-4309] 11 p1641 N91-19050
CHING, WAI-YIM
Theoretical studies on the electronic structure and properties of complex ceramic crystals and glasses
[DE91-000595] 04 p0506 N91-12810
Theoretical studies on the electronic structure and properties of complex ceramic crystals and glasses
[DE91-006814] 10 p1504 N91-18275
CHINI, R.
The 1.3 mm continuum emission from circumstellar envelopes
13 p2175 N91-22007
CHINITZ, W.
High pressure Mach 10 to 20 electrothermal hypersonic wind tunnel
16 p2578 N91-24288
CHINZEI, NOBUO
An experiment on supersonic turbulent mixing layers: Supersonic-subsonic two-stream layers
[NAL-TR-1066] 08 p1090 N91-15983
Autoignition and flameholding in a cylindrical scramjet combustor
[NAL-TR-1067] 08 p1111 N91-16102
Experiment on a rectangular cross section Scramjet combustor
[NAL-TR-1068] 12 p1842 N91-20127
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
CHIONCHIO, G.
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390
CHIOU, C. S.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
CHIOU, CHIEN-PING
Model-based ultrasonic flaw classification and sizing
14 p2273 N91-22572
CHIOU, JIN-CHERN
Constraint treatment techniques and parallel algorithms for multibody dynamic analysis
[NASA-CR-187668] 05 p0676 N91-13759
CHIOUS, C. N.
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
CHIPMAN, D. W.
CO2 measurements along the WOCE P-16 and 19 sections in the South Pacific Ocean: A joint LDGO/WHOI program
[DE91-015742] 21 p3547 N91-29708
CHIPMAN, LAURE J.
A graph theoretic approach to scene matching
[NASA-CR-187817] 23 p3927 N91-31947
CHIPMAN, RUSSELL A.
Infrared material property measurements with polarimetry and spectropolarimetry
[AD-A224940] 03 p0337 N91-11890
Analysis of polarizing optical systems for digital optical computing with symmetric self electrooptic devices
[AD-A232768] 15 p2509 N91-23906
CHIRICO, R. D.
Determination of ideal-gas enthalpies of formation for key compounds: The 1988 project results
[DE90-000247] 01 p0134 N91-10791
CHISHOLM, J. D.
Preliminary flight evaluation of an engine performance optimization algorithm
[NASA-TM-4328] 24 p3962 N91-32140
CHISHOLM, M. F.
Compositional imaging of semiconductor interfaces by Z-contrast Scanning Transmission Electron Microscope (STEM)
[DE90-017763] 02 p0280 N91-11576
High-resolution Z-contrast imaging of superlattices and heterostructures
[DE91-015329] 21 p3594 N91-29994
CHISHOLM, PAUL
Calculation by computer: Overview
[CS-9007] 10 p1574 N91-18661
CHITASHVILI, R. J.
Asymptotic theory of M-estimators in general statistical models. Part 1: On asymptotic behaviour of estimators under model disturbance
[CWI-BS-R9019-PT-1] 10 p1587 N91-18747
Asymptotic theory of M-estimators in general statistical models. Part 2: On asymptotic behaviour of estimators in the presence of nuisance parameters
[CWI-BS-R9020-PT-2] 10 p1587 N91-18748
CHITRE, SUSHEEL
Measurements and predictions of a liquid spray from an air-assist nozzle
[NASA-TM-103640] 05 p0623 N91-13455
CHITSOMBOOM, TAWIT
Application of CFD codes for the simulation of scramjet combustor flowfields
02 p0150 N91-10873
CHITTISTER, CLYDE
Software engineering activities at SEI (Software Engineering Institute)
14 p2303 N91-22726
CHITWOOD, JOHN
High data rate systems for the future
14 p2357 N91-23036
CHITWOOD, L. D.
Eddy-current inspection of shuttle heat exchanger tube welds
10 p1487 N91-18195
CHIU, ALEX
Army-NASA aircrew/aircraft integration program (A3I) software detailed design document, phase 3
[NASA-CR-177557] 11 p1771 N91-19714
CHIU, H. K.
The measurement of gamma heating in a fusion blanket test assembly
[DE90-011154] 08 p1227 N91-16766
CHIU, HUEI-HUANG
Liquid behavior at critical and supercritical conditions
09 p1299 N91-17131
CHIU, ING-TSAU
Numerical aerodynamic simulation of the space shuttle ascent environment
02 p0150 N91-10875
On computations of the integrated space shuttle flowfield using overset grids
14 p2187 N91-22076
CHIU, S. AMANDA
Composite flexible insulation for thermal protection of space vehicles
[NASA-TM-103836] 11 p1688 N91-19304
CHIU, S. C.
Influence of fast waves on the collective scattering of microwaves in fusion plasmas
[DE91-014759] 20 p3421 N91-28973
CHIU, Y. DANNY
Aerodynamic parameter studies and sensitivity analysis for rotor blades in axial flight
[NASA-CR-187524] 14 p2187 N91-22078
CHLEBEK, JUERGEN
Influence of radiation induced electrons on the structural transmission for the fabrication of integrated circuits by means of x ray lithography
[ETN-91-98794] 10 p1521 N91-18377
CHLEWICKI, GRZEGORZ
Interstellar circular polarization and the dielectric nature of dust grains
06 p0888 N91-14905
Dust emission from high latitude cirrus clouds
06 p0892 N91-14930
Properties of grains derived from IRAS observations of dust
06 p0905 N91-15001
CHLICK, G.
Review of EEG studies in non human primates exposed to microgravity
11 p1754 N91-19649
CHO, B. H.
Analysis and design of a high power, digitally-controlled spacecraft power system
[NASA-CR-186546] 02 p0188 N91-11053
Space platform power system hardware testbed
[NASA-CR-185839] 18 p2938 N91-26204
CHO, CHANG HO
H-infinity approach to manipulator control
15 p2436 N91-23495
CHO, D. L.
Characterization of plasma polymerized hydrocarbons using CP-MAS carbon-13 NMR
[AD-A236947] 19 p3143 N91-27369
CHO, G.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
CHO, GYUSEONG
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
CHO, H.-N.
Polymerization of functionalized norbornenes employing Mo(CH-t-Bu)(NAr)(O-t-Bu)2 as the initiator
[AD-A230034] 12 p1872 N91-20289
CHO, HYUN-NAM
Living ring-opening metathesis polymerization of 7-oxa-2,3-difunctionalized norbornenes and norbornadienes by Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (O-t-Bu)2 and Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (OCMe2CF3)2
[AD-A235235] 18 p2965 N91-26365
CHO, J. H.
In-situ x ray measurements of pit solutions during localized corrosion
[DE91-006916] 13 p2053 N91-21295
CHO, MYUNG K.
Scaling laws for light weight optics, studies of light weight mirrors mounting and dynamic mirror stress, and light weight mirror and mount designs
[NASA-CR-187368] 03 p0417 N91-12335
CHO, S. Y.
Boron combustion model development with kinetic sensitivity analysis and measurement of key chemical rate parameters
[AD-A235309] 18 p2951 N91-26283
CHOATE, L. M.
Solutions to current induced avalanche burnout
[DE90-013196] 15 p2417 N91-23386
CHOCOL, C.
Superpressure stratospheric vehicle
[DE91-000496] 04 p0479 N91-12670
CHODZKO, RICHARD A.
Degenerate four-wave mixing of CW HF laser beams in HF absorption cell
[AD-A230183] 12 p1903 N91-20468
CHOE, G. H.
Impact characterization of graphite fiber reinforced thermoplastic laminates
[NIAR-91-16] 21 p3469 N91-29241
CHOE, KANGYOUN
Reliability issues in structural control: Component placement and sensor failure detection
14 p2196 N91-22128
CHOE, YOONSIK
Modeling, estimation, and pattern analysis of random texture on 3-D surfaces
[AD-A231849] 14 p2306 N91-22743
CHOI, BENJAMIN BYOUNG-SOO
Wave gaits, follow-the-leader gaits and gait transitions of legged robots
15 p2437 N91-23503
CHOI, CHANG SUP
A three-dimensional assumed stress hybrid element formulation for finite strain viscoplastic deform ation
03 p0379 N91-12119
CHOI, D. I.
Effects of compressibility, diamagnetic drift, and thermal conduction on resistive ballooning modes in the second stability regime
[DE90-017618] 04 p0583 N91-13254
Ion temperature gradient turbulence and coherent structures
20 p3408 N91-28890
CHOI, DONG-HO
Computer simulation of a laser designator in the operational environment
[AD-A225411] 04 p0528 N91-12928

CHOI, E. H.
Plasma puff initiation of high Coulomb transfer switches
[NASA-CR-187024] 01 p0124 N91-10735
CHOI, G.
Analog-digital simulation of transient-induced logic errors and upset susceptibility of an advanced control system
[NASA-TM-4241] 03 p0408 N91-12279
CHOI, GENE
SKITTER foot design
[NASA-CR-184932] 03 p0319 N91-11782
CHOI, HYUNG YUN
Damage in graphite-epoxy laminated composites due to low-velocity impact 22 p3644 N91-30278
CHOI, HYUNG-YUN
Effect of transversely low-velocity impact on graphite/epoxy laminated composites
[AD-A231964] 14 p2241 N91-22395
CHOI, JACHOON
Advanced electromagnetic methods for aerospace vehicles
[NASA-CR-187721] 07 p0994 N91-15453
CHOI, MAN S.
Computer aided design models for millimeter-wave suspended substrate microstrip line
[AD-A227259] 06 p0823 N91-14547
CHOI, MYUNG HI
EXAFS study of sputtered Co/Al multilayers by electron detection: Structural difference due to deposition condition
[DE91-014787] 22 p3650 N91-30313
Electron-yield EXAFS studies of Tb/FeCo and Tb/Fe multilayers
[DE91-014786] 22 p3760 N91-30960
CHOI, SEOK HWAN
Modeling of time-dependent mechanical deformation behaviors of metals and alloys using viscoplasticity theory based on overstress 17 p2789 N91-25432
CHOI, SEUNG-BOK
Control of single-link flexible manipulators fabricated from advanced composite laminates and smart materials incorporating electro-rheological fluids 16 p2634 N91-24581
CHOI, SUNG R.
Comparison of dynamic fatigue behavior between SiC whisker-reinforced composite and monolithic silicon nitrides
[NASA-TM-103707] 11 p1686 N91-19293
Mechanical behavior and failure phenomenon of an in situ-toughened silicon nitride
[NASA-TM-103741] 15 p2404 N91-23311
CHOI, T.
A perception and manipulation system for collecting rock samples 12 p1939 N91-20669
CHOI, WOO KAP
Tracer transport in the stratosphere deduced from satellite data and a two-dimensional model 16 p2656 N91-24695
CHOI, YONG JE
Articulation of spatial robots 15 p2437 N91-23504
CHOI, YOUNG S.
Development of flashlamp-pumped Q-switched Ho:Tm:Cr:YAG lasers for mid-infrared LIDAR application 19 p3276 N91-28120
CHOI, YUNHO
Time-derivative preconditioning for viscous flows
[NASA-CR-187139] 16 p2624 N91-24528
CHOJNACKI, E.
High power, high frequency lasertron RF sources
[DE91-006007] 11 p1709 N91-19414
CHOKSHI, ARATI
Dust coagulation in ISM 06 p0899 N91-14968
Far infrared structure of spiral galaxies from the IRAS CPC images 06 p0902 N91-14988
CHOKSI, RATI
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702
CHOLEWA, M.
Scanning Transmission Ion Microscopy (STIM): A new technique for density mapping of microstructures
[DE91-011917] 20 p3396 N91-28825
CHOMET, SYLVIE
A study of alkaline element interferences in analytical inductively coupled plasmas
[ISAL-90-0069] 11 p1805 N91-19915
CHONG, C. M.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
CHONG, K. P.
Parallel computations and control of adaptive structures 13 p2131 N91-21732
CHONG, TECK HWA
Structured software design for an on-line laser-based particle size distribution instrument
[DE91-007234] 11 p1777 N91-19746
CHONG, Y. P.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
CHONGSAWANGVIROD, S.
A spectroscopic differential reflectometry study of (100), (110), (111), (311), and (511) silicon surfaces
[AD-A231022] 20 p3423 N91-28985
CHOO, YUNG K.
Implementation of control point form of algebraic grid-generation technique
[NASA-TM-103748] 11 p1642 N91-19054
Dynamics of local grid manipulations for internal flow problems 13 p2016 N91-21090
CHOPP, D. L.
Computing minimal surfaces via level set curvature flow
[DE91-014709] 20 p3386 N91-28759
CHOPPIN, G. R.
An elevated temperature titration calorimeter
[DE91-015765] 21 p3520 N91-29548
CHOPRA, INDERJIT
Applications of higher harmonic control to hingeless rotor systems
[NASA-TM-103846] 17 p2727 N91-25102
CHOPRA, O. K.
Thermal aging of cast stainless steels: Mechanisms and predictions
[DE90-010093] 08 p1113 N91-16115
CHOREY, C. M.
An experimental study of high Tc superconducting microstrip transmission lines at 35 GHz and the effect of film morphology
[NASA-TM-103633] 03 p0356 N91-11988
CHORNOBOY, E. S.
Initialization for improved IIR filter performance
[AD-A230061] 12 p1953 N91-20741
CHOTTINER, G. S.
Ex-situ and in-situ spectroscopic studies of the passive film on lithium in non-aqueous solvents
[DE91-010227] 17 p2757 N91-25258
CHOU, CHIH-LUN
Analysis of end-to-end performance of LAN systems
[AD-A226161] 04 p0568 N91-13150
CHOU, CHUEN-SHII
Boundary effects, grain-size reduction, and normal stress differences in rapid granular shear flows 09 p1350 N91-17413
CHOU, DI-MING
Nonequilibrium thermal/mechanical interaction of uniaxial specimen with environment at different temperatures 03 p0379 N91-12118
CHOU, M. S.
Initiation and modification of reaction by energy addition: Kinetic and transport phenomena
[AD-A229591] 22 p3646 N91-30293
CHOU, S. I.
Geometric characterization of eigenvalues of covariance matrix for two-source array processing
[AD-A236923] 19 p3237 N91-27899
CHOU, S.-H.
Basic studies of baroclinic flows 24 p4056 N91-32662
CHOU, SHAU-TAK RUDY
A study of rotor broadband noise mechanisms and helicopter tail rotor noise
[NASA-CR-177565] 13 p2147 N91-21829
CHOU, SHIH-HUNG
Theoretical and experimental studies of baroclinic processes 08 p1184 N91-16512
CHOU, SHUN-CHIN
The application of laser speckle interferometry to measure strain at elevated temperatures and various loading rates
[AD-A225583] 04 p0536 N91-12972
CHOU, T. C.
High temperature interactions of metallic matrices with ceramic reinforcements
[AD-A232967] 16 p2601 N91-24411
CHOU, T. S.
Photon stimulated desorption from aluminum and stainless steel
[DE91-017007] 24 p3976 N91-32211
CHOU, T. T.
High energy hadron-hadron collisions
[DE91-006387] 09 p1397 N91-17688
CHOU, V.
Electromagnetic ion/ion cyclotron instability
[DE91-004841] 11 p1797 N91-19860
CHOU, W.-T.
Empirical proton-neutron interaction energies and nuclear structure
[DE90-017632] 02 p0268 N91-11500
CHOU, Y. T.
Effect of boron addition on recrystallization and grain growth in Ni3Al polycrystals
[DE91-011966] 18 p3073 N91-26983
CHOUCHEN, SHERRY
Contribution of satellite data in the crop forecasting system
[INPE-5087-PRE/1595] 03 p0384 N91-12138
CHOUDHARI, MEELAN
Boundary layer receptivity mechanisms relevant to laminar flow control 02 p0212 N91-11182
A finite Reynolds number approach for the prediction of boundary layer receptivity in localized regions
[NASA-TM-102781] 11 p1643 N91-19061
CHOUDHURY, A.
Formation and annealing behavior of an amorphous layer induced by tin implantation into sapphire
[DE91-015929] 24 p4108 N91-32960
CHOUDHURY, A. M.
Results of agriclimatological studies using multiple satellite sensors like NOAA AVHRR; GMS IR; and LANDSAT MSS and TM
[DE91-618773] 20 p3375 N91-28698
CHOUDHURY, AJIT K.
Optimal control of systems with capacity: Related noises 14 p2226 N91-22310
CHOUEIRY, E.
Investigation of a large cryopump subjected to thermal cycling 07 p0952 N91-15231
Correlation of the Olympus thermal model using IR test data 07 p0953 N91-15240
CHOW, A. W.
Magnetic resonance imaging studies of process rheology
[AD-A225814] 04 p0510 N91-12836
CHOW, CHUEN-YEN
Theoretical studies of the kinematics, dynamics, stability, and control of unsteady/vortical flows
[AD-A235190] 18 p2984 N91-26477
CHOW, D. H.
InAs/Ga(1-x)In(x)Sb superlattices for infrared detector applications 06 p0798 N91-14407
CHOW, I.
Document format considerations for a document tracking and storage system
[DE91-013402] 20 p3438 N91-29079
CHOW, PAO-LIU
Analysis of the leading edge effects on the boundary layer transition
[NASA-CR-187361] 05 p0614 N91-13405
Active control of panel vibrations induced by boundary-layer flow
[NASA-CR-188733] 20 p3365 N91-28643
CHOW, TA-TUNG
A software package for unconstrained optimization using tensor methods
[AD-A233989] 18 p3040 N91-26778
CHOW, TZE-SHOW
Inherently safe nuclear-driven internal combustion engines
[DE91-016568] 24 p4027 N91-32503
CHOW, W.
Theory of semiconductor laser feedback instability
[DE91-008198] 13 p2091 N91-21512
CHOW, YUNG L.
Radome-lens EHF antenna development
[PATENT-1-262-571] 23 p3853 N91-31481
CHOWDHRY, RAJIV SINGH
Optimal rigid-body rotational maneuvers 09 p1276 N91-17015
CHOWDHURY, SHOWKAT JAHAN
Thermodynamically consistent rate-dependent models for turbulence 03 p0363 N91-12032
CHOY, F. K.
Modal analysis of multistage gear systems coupled with gearbox vibrations
[NASA-TM-103797] 15 p2439 N91-23513
Analytical and experimental study of vibrations in a gear transmission
[NASA-TM-104434] 17 p2782 N91-25395
CHOY, FRED K.
Effects of gear box vibration and mass imbalance on the dynamics of multi-stage gear transmissions
[NASA-TM-103695] 13 p2095 N91-21534
CHOYKE, W. J.
Research on silicon, carbon, and silicon carbide heterostructures
[AD-A231943] 14 p2249 N91-22444
Adsorption and thermal behavior of ethylene on Si(100)-(2x1)
[AD-A234098] 18 p2946 N91-26252
Atomic hydrogen driven halogen extraction from Si(100): Eley-Rideal surface kinetics
[AD-A239544] 23 p3812 N91-31266

CHRASKA, P.
Phase changes during plasma spray deposition
[IPPCZ-297] 06 p0875 N91-14837
CHRETIEN, J. L.
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988)
11 p1742 N91-19577
CHRIEN, R.
The Los Alamos megamp fiber z-pinch experiment
[DE91-004842] 08 p1229 N91-16777
CHRIEN, R. E.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
CHRIEN, ROBERT E.
Confinement and heating studies of field-reversed configurations
[DE91-001965] 05 p0718 N91-14008
CHRISS, RANDALL M.
Development of a laser-induced heat flux technique for measurement of convective heat transfer coefficients in a supersonic flowfield
[NASA-TM-103778] 11 p1643 N91-19063
A laser velocimeter investigation of the normal shock-wave boundary layer interaction
[NASA-TM-105201] 24 p4014 N91-32440
CHRIST, D.
Experimental aerodynamics for hot gas jet reaction control systems 06 p0775 N91-14300
CHRIST, H.
Diffusion-induced interfacial convection (TEXUS 8)
23 p3824 N91-31331
Diffusion-induced interfacial convection (TEXUS 11)
23 p3824 N91-31332
CHRIST, RICHARD A.
Plan, formulate, and discuss a NASTRAN finite element model of the AH-64A helicopter airframe
[NASA-CR-187446] 10 p1534 N91-18445
CHRIST, U.
Evolution of the IOI operations concept and of the related communications architecture between control facilities
14 p2210 N91-22209
CHRISTE, K. O.
Research in inorganic fluorine chemistry
[AD-A238348] 22 p3647 N91-30300
CHRISTEN, D.
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
CHRISTEN, D. K.
Growth and transport properties of Y-Ba-Cu-O/Pr-Ba-Cu-O superlattices
[DE91-000721] 07 p1070 N91-15889
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788
Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015632] 23 p3931 N91-31969
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
CHRISTENSEN, J. J.
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511
CHRISTENSEN, M.
IGES efficiency evaluation
[DE90-015192] 02 p0254 N91-11409
CHRISTENSEN, N. C.
Atomatic Feature (AFEAT) identification for Computer-Aided Process Planning (CAPP)
[DE91-016478] 23 p3909 N91-31819
CHRISTENSEN, NIELS JUEL
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
Influence on natriuresis of prolonged (12 h) water immersion on central hemodynamics and endocrine elements in humans 11 p1748 N91-19612
CHRISTENSEN, P. L.
Enhanced selectivity and detectability in absorption and fluorescence methods based on polarization modulation
[DE91-008926] 13 p2050 N91-21279
CHRISTENSEN, PHILIP R.
The distribution of particulate material on Mars
18 p3085 N91-27059
CHRISTENSEN, R. A.
Solar particle events during the rising phase of solar cycle 22
[DE91-016042] 24 p4124 N91-33049
CHRISTENSEN, RICHARD M.
Tensor transformations and failure criteria for the analysis of fiber composite materials
[AD-A232238] 15 p2396 N91-23265
A three-dimensional constitutive theory for fiber composite laminated media
[AD-A235541] 19 p3118 N91-27225
CHRISTHILF, DAVID M.
Design and test of three active flutter suppression controllers 14 p2230 N91-22334
CHRISTI, L.
Chemical analysis of metal and polymer surfaces on the front and rear LDEF 16 p2714 N91-25023
CHRISTIAN, HUGH
Global lightning studies 24 p4057 N91-32667
CHRISTIAN, J. E.
Thermal properties of polyisocyanurate foam board insulation blown with CFC-11 substitutes
[DE90-016047] 11 p1676 N91-19240
CHRISTIAN, STACEY W.
Computing with neural networks: A comparison of the multi-layer perceptron and the hierarchical pattern recognition network for classification problems
[AD-A231584] 13 p2137 N91-21768
CHRISTIAN, TOM F.
Structural risk assessment and aircraft fleet maintenance 01 p0054 N91-10321
CHRISTIAN, WILLIAM
Studies of phase-conjugate optical device concepts
[AD-A236075] 19 p3246 N91-27950
CHRISTIANSEN, ERIC L.
On protection of Freedom's solar dynamic radiator from the orbital debris environment. Part 2: Further testing and analyses
[NASA-TM-104514] 22 p3641 N91-30265
CHRISTIANSEN, W. H.
Blackbody pumped CO2 lasers using Gaussian and waveguide cavities
[DE91-012494] 21 p3522 N91-29559
CHRISTIANSEN, WALTER H.
Optical properties of plane shear layers under periodic disturbances
[AD-A236514] 19 p3246 N91-27952
CHRISTIANSON, KEITH A.
Interface-state measurements of GaAs Schottky barriers using admittance techniques: Relationship to barrier height instability
[AD-A225459] 03 p0361 N91-12022
CHRISTIANSON, ROLLIN C.
Variable orifice flow regulator
[NASA-CASE-MSC-21549-1] 19 p3166 N91-27504
CHRISTIE, MICHAEL S.
A comparison of optically measured and radar-derived horizontal neutral winds
[AD-A227690] 08 p1177 N91-16483
CHRISTIE, W. H.
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
CHRISTL, L.
Interactions of atomic oxygen with material surfaces in low Earth orbit: Preliminary results from experiment A0114 16 p2714 N91-25025
CHRISTMAN, LINDA A.
Life sciences on-line: A study in hypermedia application 13 p2165 N91-21943
CHRISTMAN, R. F.
Multispectral identification of potentially hazardous byproducts of ozonation and chlorination. Part 1: Studies of chromatographic and spectroscopic properties of MX
[PB91-161703] 18 p3006 N91-26601
CHRISTNER, H. G.
The improvement of the installation of the DLR research aircraft Falcon: Description and first results
14 p2289 N91-22657
CHRISTODOULOU, CHRISTOS
Mutual coupling between circular apertures on an infinite conducting ground plane and radiating into a finite width slab 04 p0593 N91-13311
CHRISTODOULOU, DIMITRIS MICHAEL
Using tilted-ring models and numerical hydrodynamics to study the structure, kinematics and dynamics of HI disks in galaxies 08 p1243 N91-16851
CHRISTOPHE, M.
C-rich micrometeorites on the early Earth and icy planetary bodies 10 p1622 N91-18947
CHRISTOPHER, CLYDE
A study of spatial data management and analysis systems 19 p3269 N91-28081
CHRISTOPHOROU, L. G.
Elementary particle interactions
[DE91-001220] 05 p0713 N91-13979
Electron-excited molecule interactions
[DE91-012227] 18 p3061 N91-26911
Negative ion formation with electron impact to simulants
[AD-A237478] 21 p3575 N91-29881
Effective ionization coefficients, electron drift velocities, and limiting breakdown fields for gas mixtures of possible interest to particle detectors
[DE91-015921] 23 p3862 N91-31532
CHRISTY, JOHN R.
Global-scale, intraseasonal fluctuations of diabatic forcing of the atmosphere 08 p1183 N91-16508
Global water cycle 24 p4056 N91-32661
Climate dynamics experiments using a GCM simulations 24 p4057 N91-32663
Global temperature variations
24 p4060 N91-32683
Monitoring, analyzing, and modeling global climate
24 p4061 N91-32689
CHRISTY, STEVEN R.
Examples of isallobaric forcing in surface frontal motion and surface frontogenesis over the Central United States
[AD-A227687] 08 p1186 N91-16521
CHROSTOWSKI, JON D.
Methods for evaluating the predictive accuracy of structural dynamic models
[NASA-CR-187649] 06 p0838 N91-14630
CHRZAS, J.
Modeling the performance of water and liquid gallium cooled x ray optical components: A comparison with experiment
[DE90-010460] 08 p1231 N91-16784
Coherent hard x ray focusing optics and applications
[DE91-017968] 24 p4103 N91-32928
CHU, BEN
Light scattering characterization of polymer additives and correlation of molecular properties of polymer fluids
[AD-A238547] 21 p3490 N91-29367
CHU, C. L.
Graded-bandgap AlGaAs solar cells for AlGaAs/Ge cascade cells 11 p1667 N91-19186
Recent advances in GaAs/Ge solar cells
22 p3632 N91-30211
Radiation resistance of Ge, Ge0.93Si0.07, GaAs and Al0.08Ga0.92 as solar cells 22 p3637 N91-30240
CHU, C. Y.
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE91-012471] 20 p3325 N91-28410
CHU, C.-Y.
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE90-011092] 08 p1118 N91-16141
CHU, CHEN-CHAU
Multi-sensor image interpretation using laser radar and thermal images
[AD-A238245] 21 p3524 N91-29576
CHU, D.
Inflight estimation of gyro noise
09 p1287 N91-17076
COBE attitude as seen from the FDF
09 p1287 N91-17078
Accuracy of the ERBS definitive attitude determination system in the presence of propagation noise
09 p1288 N91-17079
The accuracy of dynamic attitude propagation
09 p1289 N91-17086
Cryogenic mechanical behavior of Vintage 3 aluminum-copper-lithium alloy 2090-T81
[DE91-009776] 14 p2247 N91-22434
The cryogenic mechanical properties of Vintage 3 Al-Li-Zr alloy 2090-T81
[DE91-011897] 18 p2956 N91-26311
Tensile deformation of Al-Cu-Li-Zr alloy 2090-T8E41 at 298 and 77 K
[DE91-011885] 20 p3314 N91-28345
Metastable austenites in cryogenic high magnetic field environments
[DE91-016420] 23 p3816 N91-31288
CHU, JULIO
Effects of yaw angle and Reynolds number on rectangular-box cavities at subsonic and transonic speeds
[NASA-TP-3099] 19 p3099 N91-27124
CHU, M. S.
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
Dependence of the DIII-D beta limit on the current profile
[DE91-011140] 17 p2867 N91-25860
Effects of current profiles on MHD stability
[DE91-011742] 17 p2869 N91-25872
CHU, MAY-YING
Sintering stress and microstructure in ceramic powder compacts
[DE91-004415] 08 p1119 N91-16149

CHU, NHI-ANH
An implementation of the singular value decomposition on the connection machine CM-2
[AD-A234124] 18 p3043 N91-26802
CHU, PETER
InGaAs/InAlAs lattice-mismatched heterojunction insulated-gate field effect transistors grown on GaAs
09 p1412 N91-17773
CHU, SHIH-I
Atomic physics in strong fields
[DE91-015393] 21 p3574 N91-29872
CHU, SHIRLEY S.
Laser induced chemical vapor phase epitaxial growth of III-V semiconductor films
[AD-A236207] 19 p3254 N91-28001
CHU, SZU H.
Basic simple modeling of balloting motion of railgun projectiles
[AD-A237938] 21 p3463 N91-29205
An approximate analysis of balloting motion of railgun projectiles
[AD-A237942] 21 p3463 N91-29206
Basic simple modeling of in-bore motion of railgun projectiles
[AD-A238064] 21 p3463 N91-29207
CHU, TAK-KIN
Semiconductor heterojunction device with graded bandgap
[AD-D014583] 07 p1070 N91-15885
Design for electronic spectrally tunable infrared detector
[AD-D014877] 18 p3063 N91-26925
Long wavelength infrared detector with heterojunction
[AD-D014929] 22 p3680 N91-30490
CHU, TING L.
Laser induced chemical vapor phase epitaxial growth of III-V semiconductor films
[AD-A236207] 19 p3254 N91-28001
CHU, TZE YAO
Developing natural convection in a fluid layer with localized heating and large viscosity variation
[DE91-005240] 15 p2425 N91-23431
CHU, YUAN-CHAO
Structures of cyano-biphenyl liquid crystals
19 p3270 N91-28091
CHUA, KIAT
Vortex simulation of separated flows in two and three dimensions 09 p1334 N91-17326
CHUANG, C.
The relationship between aerosol and drop size distributions in the marine atmosphere
[DE91-006514] 11 p1737 N91-19553
CHUANG, CHUN-HUA
Addition polyimides with enhanced processability
[NASA-CASE-LEW-15043-1] 24 p3979 N91-32230
CHUANG, JUNG H.
Curvature computations on surfaces in N-space
[AD-A228000] 07 p1060 N91-15831
CHUANG, JUNG-HONG
Surface approximations in geometric modeling
[AD-A229330] 22 p3743 N91-30855
CHUANG, KUAN-WEN
Identification and analysis of cosmic gamma ray bursts from Pioneer Venus Orbiter 02 p0296 N91-11657
CHUANG, S. S. C.
The effect of chemical additives on the synthesis of ethanol
[DE91-006633] 10 p1497 N91-18238
The effect of chemical additives on the synthesis of ethanol
[DE91-016586] 24 p3973 N91-32192
CHUBACHI, KOETSU
An estimation of surface wind profile within the range of 200 km from a typhoon center using GMS images
16 p2650 N91-24666
CHUBB, DONALD L.
Reappraisal of solid selective emitters
[NASA-TM-103290] 03 p0324 N91-11801
Small particle selective emitter
[NASA-CASE-LEW-14731-1] 05 p0684 N91-13802
Liquid sheet radiator apparatus
[NASA-CASE-LEW-14295-1] 07 p0988 N91-15424
Design considerations for space radiators based on the liquid sheet (LSR) concept
[NASA-TM-105158] 19 p3115 N91-27213
CHUDACEK, JAROSLAV
A logical background of a method for the handling of incompatible pieces of knowledge
[REPT-90-13] 02 p0252 N91-11401
CHUDAMANI, S.
Visible and near infrared observation on the Global Aerosol Backscatter Experiment (GLOBE)
17 p2799 N91-25486
CHUDNOVSKY, DAVID V.
Applications of massive mathematical computations
[AD-A225812] 04 p0572 N91-13179
CHUGUY, YU. V.
Pattern recognition method
[AD-A225263] 03 p0406 N91-12263
CHUI, CHARLES K.
Mathematical methods and algorithms for real-time applications
[AD-A228889] 08 p1211 N91-16663
Optimal Hankel-norm approximation and rational function models using impulse response data
[AD-A231317] 13 p2149 N91-21839
Estimation of the time of arrival of underwater acoustic signals by spline functions. 1: An introduction
[AD-A229300] 22 p3749 N91-30900
CHULYA, ABHISAK
Mechanical behavior of fiber reinforced SiC/RBSN ceramic matrix composites: Theory and experiment
[NASA-TM-103688] 13 p2044 N91-21243
Structural design methodologies for ceramic-based material systems
[NASA-TM-103097] 14 p2252 N91-22460
CHUMBLEY, L. S.
Phase equilibria in the Bi-Sr-Ca-Cu-O system near the Bi2Sr2Ca1Cu2(y) superconductor at 865 C in oxygen
[DE91-008831] 12 p1993 N91-20969
CHUN, ANDREW K. T.
The 1990 tropical cyclones: Central North Pacific
[PB91-184564] 22 p3710 N91-30647
CHUN, C.-H.
Thermal Marangoni convection in a floating zone (TEXUS 3) 23 p3825 N91-31336
Oscillatory and turbulent flow regimes due to Marangoni convection (TEXUS 7) 23 p3825 N91-31337
CHUN, CARY C.
Application of influence diagrams in identifying Soviet satellite missions
[AD-A230752] 12 p1850 N91-20171
CHUN, H. M.
Control and structural optimization for maneuvering large spacecraft
[NASA-CR-187490] 17 p2741 N91-25168
CHUN, HON M.
Transform methods for precision continuum and control models of flexible space structures
14 p2228 N91-22325
CHUNDURU, KUNAR P.
Growth and characterization of crystals for IR detectors and second harmonic gereration devices
19 p3268 N91-28078
CHUNG, ALAN
Validation environment for AIPS/ALS: Implementation and results
[NASA-CR-4340] 05 p0705 N91-13930
CHUNG, B.-C.
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
Recent advancements in monolithic AlGaAs/GaAs solar cells for space applications 22 p3634 N91-30220
CHUNG, CARL A.
Laser test for spindle parallelism
[DE91-009716] 13 p2092 N91-21518
CHUNG, CHAN-HONG
Numerical simulation of rarefied gas flow through nozzles and over submerged bodies 09 p1334 N91-17327
CHUNG, CHING LUAN
A unified motion planning approach for redundant and nonredundant manipulators with actuator constraints
24 p4025 N91-32494
CHUNG, D. W.
Fabrication and characterization of high temperature superconducting thin films for sensors and electronics
05 p0724 N91-14041
CHUNG, H. M.
Evaluation of aging of cast stainless steel components
[DE91-014013] 20 p3317 N91-28361
Characteristics of autoclave and in-reactor nodular corrosion of Zircaloys
[DE91-013600] 21 p3479 N91-29294
CHUNG, HYOSANG
Comparison of NOAA-9 ERBE measurements with Cirrus IFO satellite and aircraft measurements
01 p0079 N91-10471
CHUNG, IN-SEUNG
Measurement of the velocity-coupled admittance in a solid propellant rocket motor 09 p1300 N91-17133
CHUNG, KOO-DON
Data transfer over multiplexed logical data links sharing a single physical circuit 15 p2482 N91-23734
CHUNG, M.
Progress toward the development of dual junction GaAs/Ge solar cells 11 p1666 N91-19184
CHUNG, M. A.
Phase equilibrium modeling for high temperature metallization on GaAs solar cells
11 p1668 N91-19192
CHUNG, PI-YU
Parallel solution of sparse linear systems on a vector multiprocessor computer
[AD-A225377] 04 p0572 N91-13176
CHUNG, SIU-LEUNG
Supercomputer optimizations for stochastic optimal control applications 14 p2226 N91-22313
CHUNG, SOON M.
Northeast Artificial Intelligence Consortium (NAIC). Volume 12: Computer architecture for very large knowledge bases
[AD-A234891] 18 p3047 N91-26826
CHUNG, T. J.
CFD code evaluation for internal flow modeling
[NASA-CR-187677] 06 p0825 N91-14557
CHUNG, Y.
Excited ionic and neutral fragments produced by dissociation of the N2(+)* H band
[NASA-CR-187987] 10 p1593 N91-18791
CHUNG, Y. S.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
CHUPP, EDWARD L.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
Solar astronomy 24 p4120 N91-33026
CHURCH, CURTIS K.
Is it possible to identify a trend in problem/failure data
10 p1627 N91-18975
CHURCH, E. L.
The specification of glancing incidence mirrors in terms of system performance
[DE91-007556] 11 p1799 N91-19873
The specification of glancing incidence mirrors in terms of system performance
[DE91-007564] 11 p1799 N91-19874
CHURCH, EUGENE L.
In search of the elusive true surface
[DE91-001110] 04 p0583 N91-13253
Scattering by anisotropic grains in beryllium mirrors
[DE91-001724] 06 p0873 N91-14826
CHURCH, K. D.
Long-term testing and evaluation of cathode components in a commercial aluminum cell, volume 1
[DE90-010896] 21 p3502 N91-29436
CHURCH, S. J.
Orbital transfer vehicle oxygen turbopump technology. Volume 2: Nitrogen and ambient oxygen testing
[NASA-CR-185262] 07 p0966 N91-15307
CHURCH, SARAH
Performance tests on Ge:Ga and Ge:Be detectors for the ISO long wavelength spectrometer
13 p2180 N91-22045
CHURCH, T. M.
Chemistry of atmospheric precipitation at Lewes, Delaware as part of the MAP3S network
[DE91-011148] 17 p2808 N91-25522
CHURCHILL, L.
Inversion of ultrasonic traces
[DREP-89-41] 22 p3750 N91-30904
CHURCHILL, MELVYN R.
Indium compounds which contain two different organic substituents. Crystal structure of (In(CH2CMe3)(CH2SiMe3)Cl)2, an interesting case of partial Ligand disorder in the solid state
[AD-A236730] 20 p3424 N91-28989
CHURCHILL, THOMAS
The 1988 anthropometric survey of US Army personnel: Methods and summary statistics
[AD-A225094] 03 p0395 N91-12196
CHURCHWELL, ED
Infrared emission from ultracompact H II regions
06 p0895 N91-14942
CHURNSIDE, J. H.
Aperture-averaging factor for optical propagation through the turbulent atmosphere
[PB91-129338] 11 p1799 N91-19875
Optical remote sensing
[PB91-169755] 19 p3184 N91-27609
Irradiance distributions on the human retina from a laser observed through the turbulent atmosphere
[PB91-196907] 22 p3718 N91-30691
CHURSIN, A. D.
Copper vapor as active medium for high-power oscillator-amplifier laser systems
11 p1787 N91-19806
CHURUN, VLADIMIR
Sea ice observations from the winter Weddell Gyre study, 1989
[AD-A236036] 19 p3205 N91-27717
CHUTJIAN, ARA
Surface modification using low energy ground state ion beams
[NASA-CASE-NPO-17498-1-CU]
06 p0871 N91-14813

CHUYKOVA, N. A.
The gravitational field on the physical surface of Venus 12 p1849 N91-20163
CHVYAKIN, V. A.
Pharmacological correction of functional condition of Army Air Force flyers in hot climate with asparkam 18 p3022 N91-26684
CHWIRKA, S.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
CHYBA, CHRISTOPHER
The pre- and post-accretion irradiation history of cometary ices 06 p0907 N91-15007
CHYBA, THOMAS HERMAN
Stochastic and chaotic effects in the ring laser 08 p1155 N91-16359
CHYLEK, PETR
Effect of aerosols on laser-induced breakdown
[AD-A234324] 18 p2989 N91-26502
CHYU, M. C.
Minimization of refrigeration power requirements for mechanical supports in cryogenic systems
[DE91-015720] 21 p3495 N91-29392
Intrinsic stability and recovery analysis for tape/film type superconductors
[DE91-015568] 23 p3931 N91-31967
CHYU, WEI J.
Navier-Stokes simulation of inlet flow fields-experimental verification 17 p2773 N91-25344
CIAPETTI, G.
Performances of an emulator farm for the data processing of high energy physics experiments
[ETN-91-98880] 12 p1979 N91-20889
CIARAVINO, VICTOR
Interaction of ionizing radiation, genetically active chemicals, and radiofrequency radiation in human and rodent cells
[AD-A234747] 18 p3021 N91-26677
CIARDULLO, ROBIN
Novae as distance indicators
[NASA-CR-186278] 02 p0286 N91-11605
CICCOLELLA, A.
EMC verification approach and facility on Columbus Attached Laboratory 07 p0960 N91-15285
CIESIELSKI, PAUL E.
Evidence for asymmetric inertial instability in the FIRE satellite dataset 01 p0075 N91-10454
Analysis of tethered balloon, ceilometer and class sounding data taken on San Nicolas Island during the FIRE project 01 p0083 N91-10492
CIESLA, THOMAS M.
The Centauri project: Manned interstellar travel 14 p2202 N91-22159
CIESLAK, M. J.
The solidification behavior of an alloy 625/718 variant
[DE91-009544] 15 p2401 N91-23294
CIESLAK, W. R.
Accelerated aging and discharge of lithium/thionyl-chloride D cells
[DE91-012649] 23 p3859 N91-31517
CIESLAK, WENDY R.
Development of a moderate rate lithium/thionyl-chloride D cell
[DE90-011909] 08 p1133 N91-16233
CIESZKIEWICZ, M. T.
Experimental thermal conductivity, thermal diffusivity, and specific heat values for mixtures of nitrogen, oxygen, and argon
[NASA-CR-188769] 22 p3648 N91-30305
CIFUENTES, L. A.
Oceanographic data report Number 7: Data from the Delaware Estuary SCENIC cruises, April 1986 - September 1988
[PB91-183582] 21 p3547 N91-29706
CIMMERMAN, B.
Mobility power flow analysis of an L-shaped plate structure subjected to distributed loading
[NASA-CR-187353] 01 p0057 N91-10334
CIMORELLI, ALAN J.
An advanced screening model for complex terrain applications
[PB91-162693] 19 p3188 N91-27631
CINLAR, ERHAN
A Markov renewal approach to an opportunistic replacement model in continuous time
[MEMO-844] 01 p0115 N91-10675
CINNELLA, PASQUALE
Flux-split algorithms for flows with non-equilibrium chemistry and thermodynamics 09 p1331 N91-17311
CIOFFI, L. V.
Aircraft control system design, synthesis, analysis, and simulation tools at Aermacchi 07 p1044 N91-15729
CIORANESCU, D.
Homogenization techniques and estimation of material parameters in distributed structures
[NASA-CR-187585] 19 p3235 N91-27887
CIPOLLA, R.
Visual navigation around curved obstacles
[OUEL-1861/90] 11 p1717 N91-19458
CIRILLO, R. R.
Evaluating the environmental impacts of the energy system: The ENPEP (Energy and Power Evaluation Program) approach
[DE90-017862] 02 p0234 N91-11309
CIRONE, R.
The role of photosensitive polyimides in the development of hybrid space hardware 24 p3994 N91-32321
CISNEROS, C.
Atomic data for fusion. Volume 1: Collisions of H, H2, He and Li atoms and ions with atoms and molecules
[DE91-000527] 04 p0581 N91-13238
CISNEROS, JOSEPH SAMUEL
A finite difference approximation method for flexible flight structures 09 p1277 N91-17017
CITURS, KEVIN D.
The handling qualities of the STOL and maneuver technology demonstrator from specification to flight test 15 p2371 N91-23117
CIUFOLINI, I.
Measuring the Lense-Thirring precession using a second Lageos satellite
[NASA-CR-186945] 05 p0626 N91-13470
CIUFOLINI, IGNAZIO
Measurement of the gravitomagnetic field using a pair of laser ranged satellites 06 p0845 N91-14670
CIULLA, M.
Blood pressure maturation curve in normotensive rats during growth in simulated microgravitational environment 11 p1753 N91-19644
CIURRA, MARIO JOSE C.
The antenna manager software for the Brazilian satellite: Implementation and study 14 p2211 N91-22214
CIVALE, L.
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
CIZEWSKI, J. A.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
CLAEYS, C.
Optimization of CMOS technology and design for deep cryogenic analog circuits 24 p3991 N91-32296
CLAFFY, GEORGE J.
ALS liquid hydrogen turbopump: Advanced Development Program
[NASA-CR-183730] 18 p2937 N91-26196
CLAFLIN, S. E.
Hybrid propulsion technology program: Phase 1, volume 4
[NASA-CR-183975] 01 p0019 N91-10114
CLAMMAE, SHANE S.
Timing margin measurement using a laser technique
[AD-A226821] 08 p1153 N91-16353
CLANCY, R. T.
Recent studies of the optical properties of dust and cloud particles in the Mars atmosphere and the interannual frequency of global dust storms 18 p3085 N91-27060
The effects of atmospheric dust on observations of Martian surface albedo 18 p3088 N91-27072
CLANCY, R. TODD
Planetary atmospheres: Microwave spectroscopic and space physics
[NASA-CR-188168] 14 p2353 N91-23013
CLANCY, TODD
Hubble Space Telescope observations of Mars 11 p1821 N91-20003
CLAPP, P. C.
Lightweight disk alloy development
[AD-A237064] 21 p3481 N91-29309
CLAPPER, JOHN P.
Acquiring generalizations to organize human databases
[AD-A230415] 12 p1997 N91-20995
CLARE, L. P.
Spread spectrum random access schemes
[AD-A230303] 12 p1882 N91-20345
CLARK, ARTHUR E.
Magnetostrictive linear motor
[AD-D014816] 16 p2620 N91-24505
Magnetostrictive angular positioning motor
[AD-D014858] 18 p2994 N91-26536
CLARK, B. J.
Near-field noise of a single-rotation propfan at an angle of attack
[NASA-TM-103645] 03 p0414 N91-12316
CLARK, BENTON C.
Survey of resource opportunities and critical evaluation of economic requirements 17 p2909 N91-26062
Physical and chemical properties of the Martian soil: Review of resources 17 p2913 N91-26084
CLARK, C. W.
Technical activities 1990, Electron and Optical Physics Div.
[PB91-194423] 21 p3571 N91-29858
Laser-atom interaction at high intensities
[AD-A238231] 21 p3576 N91-29887
CLARK, D. L.
Pulsed photothermal spectroscopy applied to lanthanide and actinide speciation
[DE91-007391] 12 p1867 N91-20258
CLARK, DENIS E.
The dynamics of droplet formation and detachment in gas metal arc welding
[DE91-006130] 10 p1531 N91-18437
CLARK, DOUGLAS J.
Oxygen production using solid-state zirconia electrolyte technology 15 p2538 N91-24059
CLARK, E. L.
Uncertainty estimates for derivatives and intercepts
[DE91-004503] 13 p2143 N91-21802
Benchmarking numerical predictions with force and moment measurements on slender, supercavitating bodies
[DE91-007066] 15 p2425 N91-23432
CLARK, F. O.
Dust emission from high latitude cirrus clouds 06 p0892 N91-14930
CLARK, G. A.
Gabor transforms and neural networks for automatic target recognition
[DE91-011919] 18 p3049 N91-26834
Texture segmentation by clustering of Gabor feature vectors
[DE91-008061] 19 p3235 N91-27885
CLARK, G. M.
High performance transparency design
[AD-A234456] 18 p2924 N91-26133
CLARK, GEORGE W.
Experimental and theoretical research in high energy astrophysics
[NASA-CR-188227] 07 p0947 N91-15190
High energy from space 24 p4119 N91-33023
Policy opportunities 24 p4120 N91-33029
CLARK, HERBERT H.
Analysis of routine communication in the air traffic control system
[NASA-CR-188116] 14 p2256 N91-22475
CLARK, IVAN O.
Effect of space exposure on pyroelectric infrared detectors 16 p2721 N91-25073
CLARK, JEFF
KBSA framework
[AD-A230621] 12 p1958 N91-20769
CLARK, JOEL
Touchstone project Mach port: Milestone event Q4
[AD-A224057] 02 p0264 N91-11481
CLARK, JOHN H. E.
Stratiform clouds and their interaction with atmospheric motion 08 p1182 N91-16506
Nonlinear feedbacks between stratocumulus and synoptic-scale systems 24 p4059 N91-32674
CLARK, JOHN S.
Nuclear rocket propulsion. NASA plans and progress, FY 1991
[NASA-TM-104455] 17 p2743 N91-25179
CLARK, KENNETH G.
Soil-resistant treatment for aircraft tactical paint schemes
[AD-A231424] 14 p2193 N91-22115
CLARK, L. SCOTT
Electronic software submittal/distribution 18 p3080 N91-27033
CLARK, LENWOOD G.
Technology for the Future: In-Space Technology Experiments Program, part 1
[NASA-CP-10073-PT-1] 19 p3109 N91-27177
Technology for the Future: In-Space Technology Experiments Program, part 2
[NASA-CP-10073-PT-2] 19 p3109 N91-27178
CLARK, M. AMANDA
Observations and theoretical studies of tides and normal modes in the lower thermosphere 20 p3372 N91-28681
CLARK, M. C.
A compact 200 kV pulse transformer system
[DE91-014669] 21 p3509 N91-29479
CLARK, MIKE
Brake lock mechanism for the two axis pointing system 16 p2640 N91-24608

CLARK, NANCY H.
Capattery double layer capacitor life performance
[DE91-006639] 11 p1697 N91-19344
CLARK, O. MELVILLE
Hardening communication ports for survival in electrical overstress environments 24 p4050 N91-32624
CLARK, PAMELA E.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
CLARK, PETER G.
Evaluation and validation guidebook, version 3.0
[AD-A236494] 19 p3230 N91-27853
CLARK, R. N.
Evidence for ammonium-bearing minerals in Ceres
11 p1821 N91-20004
CLARK, RALPH O.
FIESTA ROC: A new finite element analysis program for solar cell simulation 22 p3636 N91-30234
CLARK, RAYMOND K.
Decentralized real-time scheduling
[AD-A227856] 08 p1201 N91-16604
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 1
[AD-A232289] 15 p2414 N91-23369
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 2
[AD-A232290] 15 p2414 N91-23370
Decentralized computing technology for fault-tolerant, survivable C3I systems. Volume 3: System/subsystem specification
[AD-A232291] 15 p2414 N91-23371
CLARK, RODNEY L.
Application of advanced technologies to future military transports 10 p1466 N91-18083
CLARK, RONALD K.
Oxidation characteristics of Ti-25Al-10Nb-3V-1Mo intermetallic alloy
[NASA-TP-3044] 05 p0635 N91-13522
Surface effects on hydrogen permeation through Ti-14Al-21Nb alloy
[NASA-TP-3109] 12 p1868 N91-20266
CLARK, STEPHEN J.
Parameter estimation in complex linear structures
[PB91-151076] 17 p2786 N91-25418
CLARK, STEPHEN HOWLAND
FED-X: The NIST express translator
[PB90-269507] 09 p1371 N91-17536
CLARK, STEWART D. W.
Offshore technology R and D in space applications
13 p2030 N91-21162
CLARK, TERRY L.
Across North America Tracer Experiment (ANATEX): Model evaluation study
[PB90-261454] 09 p1359 N91-17469
Adaptation of the Advanced Statistical Trajectory Regional Air Pollution (ASTRAP) model to the EPA VAX computer: Modifications and testing
[PB91-127720] 13 p2113 N91-21631
CLARK, VERNESSA R.
Cultural parameters of stress
[AD-A232526] 15 p2476 N91-23713
CLARK, W. GILBERT
Electrical resistivity, magnetic susceptibility, and thermoelectric power of PtGa2
[AD-A225035] 03 p0359 N91-12009
CLARK, WILLIAM S.
Calculation of unsteady linearized Euler flows in cascades using harmonically deforming grids
[NASA-CR-188916] 24 p4014 N91-32442
CLARKE, A. D.
Measurements of the light-absorbing material inside cloud droplets and its effect on cloud albedo
01 p0091 N91-10528
CLARKE, ANDREW H.
Measurement of eye movements in space-related research environments 11 p1744 N91-19591
CLARKE, D. W.
Robustness effects of a prefilter in generalized predictive control
[OUEL-1799/89] 01 p0116 N91-10685
CLARKE, DAVID A.
Fabrication aspects of glass matrix composites for gas turbine applications
[PNR-90752] 01 p0012 N91-10073
Industrial applications and markets for ceramic matrix composites
[PNR-90753] 01 p0023 N91-10138
CLARKE, J.
Low frequency noise in resonant Josephson soliton oscillators
[DE91-011911] 18 p2961 N91-26464
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981
High-T(sub c) thin-film microelectronics
[DE91-012340] 20 p3425 N91-28997
Photolithographically patterened thin-film multilayer devices of YBa2Cu3O(7-x)
[DE91-012350] 20 p3425 N91-28998
Thin-film flux transformers of YBa2Cu3O(7-x)
[DE91-012363] 20 p3427 N91-29007
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
CLARKE, J. F.
Numerical computation of two-dimensional unsteady detonation waves in high energy solids
[CRANFIELD-AERO-9013] 12 p1899 N91-20443
CLARKE, JOHN R.
Computer-based techniques for collection of pulmonary function variables during rest and exercise
[AD-A236482] 19 p3212 N91-27755
CLARKE, NORMAN P.
Liquid water production from atmospheric sources
[AD-A235090] 18 p2972 N91-26406
CLARKE, R. N.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
CLARKE, ROBERT
EMU helmet mounted display
[NASA-CASE-MSC-21460-1] 05 p0697 N91-13879
Buffet induced structural/flight-control system interaction of the X-29A aircraft
[NASA-TM-101735] 15 p2373 N91-23133
CLARKE, THEODORE C.
Galileo: The Earth encounter
18 p3079 N91-27024
CLARKSEAN, RANDY
The spectral-compact finite difference technique for direct numerical simulation of turbulent flows
17 p2776 N91-25361
CLASPY, P. C.
Measurement techniques for cryogenic Ka-band microstrip antennas
[NASA-TM-105183] 22 p3668 N91-30426
CLATTERBUCK, CARROLL H.
An evaluation of two flat-black silicone paints for space application
[NASA-TM-100768] 06 p0813 N91-14494
CLAUS, R. O.
Ultra-low loss optical fiber characterization system development
[AD-A224843] 03 p0418 N91-12337
Research and development entitled smart structures for fossil energy applications
[DE91-002064] 20 p3405 N91-28875
CLAUSER, CHARLES E.
The 1988 anthropometric survey of US Army personnel: Methods and summary statistics
[AD-A225094] 03 p0395 N91-12196
CLAUSER, JOHN F.
Application of Fourier-Fresnel imaging to neutral-atom interferometry
[AD-A231154] 13 p2151 N91-21857
Neutral atom deBroglie-wave interferometry
[AD-A234624] 18 p3059 N91-26896
Neutral atom deBroglie-wave interferometry
[AD-A229368] 22 p3752 N91-30912
CLAUSER, M. J.
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919
CLAUSING, M. B.
Machine intelligence and threat identification systems
[AD-A227531] 07 p1055 N91-15794
CLAUSING, R. E.
Control of texture and defect structure for hot-filament-assisted CVD (Chemical Vapor Deposition) diamond Films
[DE91-008373] 11 p1689 N91-19310
Annealing effects on the microstructure of titanium electrical contacts on diamond films
[DE91-010150] 21 p3484 N91-29327
CLAUSING, ROBERT E.
Chemically vapor deposited diamond films
[DE91-000384] 02 p0201 N91-11125
CLAUSSEN, M.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
CLAUSSET, F.
The molecular spiral arms of NGC 6946
05 p0761 N91-14231
CLAVEL, J.
Multiwavelength monitoring of the Seyfert 1 galaxy NGC 4593 09 p1445 N91-17966
Mapping the BLR: Line variability in Fairall-9
09 p1445 N91-17972
CLAY, BILL
Civil tiltrotor missions and applications
[NASA-CR-177452] 05 p0617 N91-13424
CLAYTON, D. C.
Environment, Safety and Health Thesaurus/Dictionary
[DE91-013428] 24 p4117 N91-33012
CLAYTON, D. D.
Stochastic histories of dust grains in the interstellar medium 06 p0904 N91-14998
CLAYTON, ERIC
Proton induced x ray emission analysis
11 p1792 N91-19832
CLAYTON, GEOFFREY C.
The relationship between IR, optical, and UV extinction 06 p0887 N91-14899
CLAYTON, MICHAEL J.
Analysis of the ultraviolet emissions of nitric oxide from mid-latitude rocket observations
[AD-A237340] 21 p3541 N91-29673
CLAYTON, R. N.
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
CLEAK, JAMES GILBERT EDWIN
Validation of viscous, three-dimensional flow calculations in an axial turbine cascade
14 p2195 N91-22123
CLEAR, J.
Telescience: A scientist's dream or an operational nightmare 14 p2223 N91-22293
CLEARY, KEVIN ROBERT
Decision-making software for redundant manipulators
09 p1390 N91-17644
CLEAVER, CHRISTOPHER M.
Development of an unmanned air research vehicle for supermaneuverability studies
[AD-A227165] 06 p0783 N91-14342
CLEEREMANS, AXEL
Learning the structure of event sequences
[AD-A225722] 04 p0570 N91-13163
CLEGHORN, TIMOTHY F.
Autonomous proximity operations using machine vision for trajectory control and pose estimation
12 p1937 N91-20656
CLELAND, A. N.
Macroscopic quantum tunneling in Josephson tunnel junctions and Coulomb blockade in single small tunnel junctions
[DE91-016258] 23 p3932 N91-31974
CLEM, J. R.
Viscous flux motion in anisotropic type-2 superconductors in low fields
[DE91-006675] 10 p1608 N91-18871
The ac losses in type-2 superconductors
[DE91-015201] 21 p3510 N91-29485
CLEM, THOMAS D.
High-resolution measurements of surface topography with airborne laser altimetry and the global positioning system 17 p2795 N91-25462
CLEMEN, L.
Adsorption and thermal behavior of ethylene on Si(100)-(2x1)
[AD-A234098] 18 p2946 N91-26252
CLEMENCE, ROBERT D., JR.
A type calculus for mathematical programming modeling languages
[AD-A238160] 21 p3557 N91-29766
CLEMENT, ANNE E.
Method for making holograms with coherent radiation from a stabilized laser diode that has been actively cooled
[AD-D014673] 11 p1706 N91-19396
CLEMENT, G.
Telemanipulation system assisted by computer for under water applications 15 p2452 N91-23585
CLEMENT, J. M.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
CLEMENT, P.
A variational formula for branching random walk in random environment
[REPT-90-60] 10 p1587 N91-18749
CLEMENT, WARREN F.
Fully automatic guidance and control for rotorcraft nap-of-the-Earth flight following planned profiles. Volume 1: Real-time piloted simulation
[NASA-CR-177571-VOL-1] 13 p2027 N91-21149
Fully automatic guidance and control for rotorcraft nap-of-the-Earth flight following planned profiles. Volume 2: Mathematical model
[NASA-CR-177571-VOL-2] 13 p2027 N91-21150
CLEMENTS, A.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804

CLEMENTS, ROCHELLE E.
Aluminum metal combustion in water revealed by high speed microphotography
[DE90-017525] 02 p0193 N91-11082
Development of a high-tensile-strain plastic-bonded TATB explosive
[DE90-011463] 08 p1121 N91-16162
CLEMMONS, J. I., JR.
Laser transit anemometer measurements of a JANNAF nozzle base velocity flow field
[NASA-TM-102725] 03 p0368 N91-12063
CLENDINING, M.
Determination of spacecraft control system user requirements and effects on development methodologies 14 p2218 N91-22262
Safety in software for manned mission control: A classification methodology 14 p2219 N91-22269
Telescience: A scientist's dream or an operational nightmare 14 p2223 N91-22293
CLER, GERALD
Performance of an ice-in-tank diurnal ice storage cooling system at Fort Stewart, Georgia
[AD-A224739] 03 p0386 N91-12153
CLERE, J. M.
Problems posed by the adaptation of physiological protective equipment for female combat pilots 02 p0246 N91-11372
Detection of loss of consciousness in flight by Doppler method 08 p1193 N91-16555
CLESCERI, L. S.
Aerobic production of ethanol
[PB91-119172] 13 p2057 N91-21324
CLEVELAND, W. G.
Measurements of coefficients of discharge for concentric flange-tapped square-edged orifice meters in natural gas over the Reynolds number range 25,000 to 16,000,000
[PB90-219601] 01 p0039 N91-10231
CLEVENSON, S. A.
The development of interior noise and vibration criteria
[NASA-TM-102736] 01 p0119 N91-10702
CLEVER, W.
Aerodynamic preliminary analysis system 2. Part 1: Theory
[NASA-CR-182076] 15 p2364 N91-23080
CLIFF, S. E.
Euler and potential experiment/CFD correlations for a transport and two delta-wing configurations
[NASA-TM-102208] 01 p0003 N91-10014
CLIFF, SUSAN E.
An evaluation of three two-dimensional computational fluid dynamics codes including low Reynolds numbers and transonic Mach numbers
[NASA-TM-102840] 09 p1274 N91-17001
CLIFFSWALLOW, WILLOW
Derivation of exospheric temperature at high latitudes from incoherent-scatter radar data
[AD-A227721] 08 p1178 N91-16484
CLIFFTON, ETHAN W.
Wind tunnel study of an observatory dome with a circular aperture
[NASA-TM-102888] 06 p0912 N91-15040
CLIFT, W. M.
Characterization of iridium coated rhenium used in high-temperature, radiation-cooled rocket thrusters 16 p2574 N91-24267
CLIFTON, J. R.
Computational models developed for the corrosion of prestressing steel
[PB91-167304] 19 p3135 N91-27322
CLIFTON, R. J.
Fundamental studies in dynamic plasticity
[AD-A237114] 21 p3532 N91-29621
CLINE, C. F.
Dynamic yield strength of a palladium alloy metallic glass
[DE91-015111] 23 p3818 N91-31298
CLINE, DAVID B.
Particle astrophysics 24 p4120 N91-33024
Theory and laboratory astrophysics 24 p4120 N91-33025
CLINE, NEAL
Science network resources: Distributed systems 18 p3079 N91-27021
CLINE, STEVEN P.
Response of forest trees to sulfur, nitrogen, and associated pollutants
[PB90-270539] 09 p1360 N91-17473
CLINQUE, R. B.
A study of the influence of temperature gradients on densification of glass powder compacts
[DE91-012337] 20 p3323 N91-28399
CLINTHORNE, JAMES T.
Synthetic aperture radar imagery of airports and surrounding areas: Study of clutter at grazing angles and their polarimetric properties
[NASA-CR-4398] 24 p3952 N91-32088
CLINTON, C.
Solid rocket propulsion 20 p3293 N91-28206
CLINTON, RAYMOND
An evaluation of the interfacial bond properties between carbon phenolic and glass phenolic composites 19 p3276 N91-28123
CLIPPARD, R. L.
A PC based frequency domain LV processor
[DE91-009056] 20 p3348 N91-28541
CLIPSHAM, DAVID F.
Development of phenomenological fitting procedure for the fast microcomputer
[AD-A227168] 06 p0861 N91-14759
CLODFELTER, JILL
Characterization of blood drawn rapidly for use in blood volume expansion studies: An animal model for simulated weightlessness 14 p2204 N91-22175
CLOGSTON, A. M.
Molecular crystals and localized vibrational states
[DE90-010602] 08 p1231 N91-16786
CLOHERTY, J. K.
Ten years flying with soft contact lenses 17 p2826 N91-25612
CLOSE, F. E.
Elementary particle interactions
[DE91-001220] 05 p0713 N91-13979
Relativistic effects in gamma-gamma decays of P-wave positronium and qq(bar) systems
[RAL-90-061] 10 p1593 N91-18789
A unified formalism for gamma gamma to meson and psi to gammaX with possible tests for hybrid and gluonic hadrons
[RAL-91-039] 24 p4095 N91-32877
CLOSE, PAUL
Touchstone project DELTA numeric node: Milestone event Q4
[AD-A224060] 02 p0264 N91-11482
CLOSS, JAMES W.
NASA's climate data system primer, version 1.2
[NASA-TM-105063] 22 p3766 N91-30995
CLOTHIAUX, EUGENE E.
Synaptic plasticity in visual cortex: Comparison of theory with experiment
[AD-A236223] 19 p3209 N91-27738
CLOTHIER, CATHY C.
Cockpit resource management: Effects on behavioral interactions across airlines and aircraft types
[AD-A239467] 23 p3906 N91-31804
CLOUGH, R. L.
Polymer characterization using the time-resolved phosphorescence of singlet oxygen as a spectroscopic probe
[DE91-001269] 11 p1688 N91-19303
Polymer characterization using singlet oxygen phosphorescence as a spectroscopic probe
[DE91-011735] 18 p2967 N91-26382
CLOUGH, R. S.
The powerplant options for a future large aircraft 10 p1465 N91-18080
CLOUGH, RAY C.
Blade tip rubbing stress prediction
[NASA-CR-184100] 10 p1531 N91-18435
CLOUGH, S. A.
Path characterization algorithms for FASCODE
[AD-A231914] 14 p2307 N91-22749
Natural and anthropogenic climate change
[DE91-014734] 20 p3371 N91-28673
CLOUGH, S. B.
Computer simulation of substituted polyacatylenes
[AD-A226328] 04 p0508 N91-12821
Dynamics simulation of Langmuir-Blodgett films
[AD-A226327] 04 p0590 N91-13293
Molecular dynamics simulation of substituted polyacetylenes
[AD-A235853] 19 p3242 N91-27928
CLOUTIER, MARK A.
Using error detection and correction coding for a turbulent atmospheric optical communications link
[AD-A230540] 12 p1886 N91-20370
CLOUTIER, MIKE
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
CLOUTMAN, L. D.
SPH (Smoothed Particle Hydrodynamics) simulations of hypervelocity impacts
[DE91-007625] 10 p1526 N91-18403
CLOW, G. D.
Characteristics of the Martian atmosphere surface layer 14 p2348 N91-22988
Free convection in the Matian atmosphere 14 p2349 N91-22989
CLUKEY, STEVEN J.
A real time dynamic data acquisition and processing system for velocity, density, and total temperature fluctuation measurements
[NASA-CR-182069] 10 p1467 N91-18094
CLUZET, G.
In orbit performance of the TV-SAT/TDF-1 heat pipe system
[MBB-UO-0098-90-PUB] 03 p0364 N91-12039
CLYNE, R. J.
The Department of Energy's solar industrial program: New ideas for American industry
[DE91-002197] 21 p3536 N91-29649
COAKLEY, JAMES A., JR.
Reflectivities of uniform and broken marine stratiform clouds 01 p0085 N91-10501
Dependence of marine stratocumulus reflectivities on liquid water paths 01 p0090 N91-10524
Cloud properties as deduced from satellite observation
[NASA-CR-182851] 05 p0689 N91-13833
COAKLEY, JAMES E.
In situ measurements of ship tracks 01 p0086 N91-10507
COAKLEY, JUDITH F.
Scientific and engineering research facilities at universities and colleges, 1990
[PB90-272006] 09 p1424 N91-17837
COAKLEY, M.
Fabry-Perot observations of comet Austin 12 p2003 N91-21021
COAN, THOMAS EDWARD
The development and performance of the EXAM detec tor to search for extragalactic antimatter 03 p0434 N91-12433
COATS, C. J.
Wind field development for the EPA regional oxidant model
[PB91-191213] 22 p3710 N91-30648
COATS, D. E.
Boundary layer study. Phase 4: Experimental validation test plan
[AD-A231342] 13 p2083 N91-21481
Boundary layer study
[AD-A231343] 13 p2084 N91-21482
COATS, R. S.
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
A method for computing fields near the origin of a cylindrical coordinate system in time domain finite-difference electromagnetic simulations
[DE91-015431] 21 p3501 N91-29433
COBB, HELEN G.
An investigation into the use of hypermutation as an adaptive operator in genetic algorithms having continuous, time-dependent nonstationary environments
[AD-A229159] 09 p1386 N91-17622
User's guide for SAMUEL, version 1.3
[AD-A235611] 19 p3213 N91-27759
COBB, W. T.
Behavior of RuO2 in a glass melt
[DE91-013717] 20 p3328 N91-28432
COBB, WILLIAM E.
Thermally isolated deployable shield for spacecraft
[NASA-CASE-MFS-28524-1] 17 p2741 N91-25167
COBBLE, J.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941
COBBLE, J. A.
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556
COBLENTZ, A.
Study of pilot vigilance during long range flight 08 p1194 N91-16561
COBLEY, GEORGE A.
ADS communications: A cornerstone 24 p3956 N91-32105
COCCORESE, E.
Passive control of vertical instabilities in ITER
[DE90-706120] 03 p0419 N91-12345
COCHRAN, ANITA L.
Observations of CH in comets P/Brorsen-Metcalf and P/Halley 12 p2002 N91-21017
The near ultraviolet spectra of comets P/Brorsen-Metcalf and Austin 12 p2003 N91-21022
Planetary astronomy 24 p4120 N91-33027
Status of the profession 24 p4121 N91-33031
COCHRAN, H. D.
Monte Carlo simulation of supercritical solutions in the grand canonical ensemble
[DE91-009152] 15 p2502 N91-23859

COCHRAN, WILLIAM D.
Observations of CH in comets P/Brorsen-Metcalf and P/Halley 12 p2002 N91-21017
The near ultraviolet spectra of comets P/Brorsen-Metcalf and Austin 12 p2003 N91-21022
COCHRANE, J. C.
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
COCHRANE, J. C., JR.
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
COCKBURN, BERNARDO
The P1-RKDG method for two-dimensional Euler equations of gas dynamics
[NASA-CR-187542] 16 p2677 N91-24819
COCKBURN, JOHN J.
Pilot monitoring of display enhancements generated from a digital data base 04 p0482 N91-12685
COCKE, W. J.
Properties of the redshift 08 p1258 N91-16926
COCKRELL, C. R.
An analysis of the effects of secondary reflections on dual-frequency reflectometers
[NASA-TM-102709] 01 p0037 N91-10221
Modified Hilbert transform pair and Kramers-Kronig relations for complex permittivities
[NASA-TM-102682] 05 p0646 N91-13585
Transverse electric scattering widths for strips-Fourier transform technique
[NASA-TM-102729] 19 p3148 N91-27401
CODASTEFANO, P.
Development of a digital correlator to measure the semi-elastic scattering of light
[NOTA-INTERNA-955] 15 p2508 N91-23895
CODE, ARTHUR
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
CODY, JOSEPH C.
System for connecting fluid couplings
[NASA-CASE-MFS-26042-1-SB] 06 p0834 N91-14613
COE, CHARLES F.
An assessment of wind tunnel test data on flexible thermal protection materials and results of new fatigue tests of threads
[NASA-CR-177466] 05 p0712 N91-13972
Predictions of F-111 TACT aircraft buffet response 06 p0782 N91-14335
COE, H. H.
Maximum life spur gear design
[NASA-TM-104361] 15 p2439 N91-23514
COE, HAROLD H.
Spur-gear optimization using SPUROPT computer program
[NASA-TM-104394] 23 p3880 N91-31648
COE, J. A.
Close-range geophotogrammetric mapping of trench walls using multi-model stereo restitution software
[DE91-013105] 20 p3366 N91-28645
COEL, V.
VHF discharges in storm cells producing microbursts 24 p4049 N91-32620
COEN, P. G.
Application of multidisciplinary optimization methods to the design of a supersonic transport
[NASA-TM-104073] 15 p2374 N91-23135
COEN, PETER G.
Development of a computer technique for the prediction of transport aircraft flight profile sonic boom signatures
[NASA-CR-188117] 14 p2189 N91-22093
COENSGEN, F. H.
Physics data base for the Beam Plasma Neutron Source (BPNS)
[DE91-002796] 06 p0876 N91-14842
COFFEN, CHARLES D.
Prediction of XV-15 tilt rotor discrete frequency aeroacoustic noise with WOPWOP
[NASA-CR-187684] 06 p0869 N91-14803
COFFER, JOHN G.
Degenerate four-wave mixing of CW HF laser beams in HF absorption cell
[AD-A230183] 12 p1903 N91-20468
COFFEY, CLAYTON G.
Rocket boosted target
[PATENT-1-254-289] 23 p3802 N91-31207
COFFEY, D.
Quasi-two dimensional density of states and the isotope effect in the superconducting Cu oxides
[DE91-009969] 14 p2336 N91-22918
Investigation of a Hamiltonian with two sources of anisotropy: The Dzyaloshinskii-Moriya and single-size interactions
[DE91-011381] 18 p2952 N91-26292
The derivation of effective spin Hamiltonians and the origin of the magnetic field induced transition in orthormbic La2CuO4
[DE91-013743] 20 p3431 N91-29035
COFFEY, D. W.
Microstructure development during microwave annealing of dense silicon nitride
[DE91-012069] 18 p2944 N91-26242
COFFEY, DERMOT
Calculation of the static magnetism of metamagnetic La2CuO4
[DE90-016490] 01 p0130 N91-10770
COFFEY, H. E.
Solar-geophysical data number 548, April 1990. Part 1: (Prompt reports). Data for March, February 1990, and late data
[PB90-226028] 01 p0068 N91-10411
Solar-geophysical data number 548, April 1990. Part 2: (Comprehensive reports). Data for October 1989 and miscellaneous
[PB90-226036] 01 p0068 N91-10412
Solar-geophysical data number 546, February 1990. Part 1: (Prompt reports). Data for January 1990, December 1989, and late data
[PB90-195363] 01 p0140 N91-10823
Solar-geophysical data number 546, February 1990. Part 2: (Comprehensive reports). Data for August 1989 and miscellaneous
[PB90-195371] 01 p0140 N91-10824
Solar-geophysical data number 547, March 1990. Part 1: (Prompt reports). Data for February, January 1990, and late data
[PB90-208877] 01 p0140 N91-10825
Solar-geophysical data number 547, March 1990. Part 2: (Comprehensive reports). Data for September 1989 and miscellaneous
[PB90-208885] 01 p0140 N91-10826
Solar-geophysical data number 550, June 1990. Part 1: (Prompt reports). Data for May, April 1990 and late data
[PB90-258799] 05 p0767 N91-14260
Solar-geophysical data number 550, June 1990. Part 2: (Comprehensive reports). Data for December 1989 and miscellaneous
[PB90-258807] 05 p0767 N91-14261
Solar-geophysical data number 549, May 1990. Part 1: (Prompt reports). Data for April, March, 1990, and late data
[PB90-251224] 05 p0767 N91-14262
Solar-geophysical data number 549, May 1990. Part 2: (Comprehensive reports). Data for November 1989 and miscellaneous
[PB90-251232] 05 p0768 N91-14263
Solar-geophysical data Number 552, August 1990. Part 1: (Prompt Reports) data for July, June, 1990 and late data
[PB91-103705] 09 p1449 N91-17994
Solar-geophysical data Number 552, August 1990. Part 2: (Comprehensive Reports) data for February 1990 and miscellaneous
[PB91-103713] 09 p1449 N91-17995
Solar-geophysical data Number 554, October 1990. Part 2 (comprehensive reports): Data for April 1990 and miscellaneous. Explanation of data reports issued as Number 515 (supplement) July 1987
[PB91-124586] 11 p1823 N91-20017
Solar-geophysical data Number 554, October 1990. Part 1 (prompt reports): Data for September, August 1990, and late data. Explanation of data reports issued as Number 515 (supplement) July 1987
[PB91-124594] 11 p1823 N91-20018
Solar-geophysical data number 556, December 1990. Part 1: (Prompt reports). Data for November, October 1990, and late data
[PB91-152140] 18 p3090 N91-27083
Solar-geophysical data number 556, December 1990. Part 2: (Comprehensive reports). Data for June 1990 and miscellaneous
[PB91-152157] 18 p3090 N91-27084
Solar geophysical data number 551, July 1990. Part 1: (Prompt reports). Data for June, May 1990 and late data
[PB91-160713] 18 p3090 N91-27085
Solar-geophysical data number 551, July 1990. Part 2: (Comprehensive reports). Data for January 1990 and miscellaneous
[PB91-160721] 18 p3091 N91-27086
COFFEY, HELEN E.
Solar-geophysical data number 545, January 1990. Part 1 (Prompt reports). Data for December, November 1989 and late data
[PB90-182338] 01 p0140 N91-10822
Solar-geophysical data number 553, September 1990. Part 1: (Prompt reports). Data for August 1990, July 1990, and late data
[PB91-113019] 13 p2183 N91-22059
Solar-geophysical data number 555, November 1990. Part 1 (prompt reports): Data for October, September 1990, and late data
[PB91-136135] 14 p2287 N91-22645
Solar-geophysical data number 555, November 1990. Part 2 (comprehensive reports): Data for May 1990 and miscellaneous
[PB91-136143] 14 p2287 N91-22646
Solar-geophysical data number 558, August 1990. Part 2: (Comprehensive reports). Data for August 1990 and miscellaneous
[PB91-172262] 20 p3447 N91-29128
Solar-geophysical data number 558, February 1991. Part 1: (Prompt reports). Data for January 1991, December 1990, and late data
[PB91-172270] 20 p3447 N91-29129
Solar-geophysical data number 557, January 1991. Part 1: (Prompt reports). Data for December, November 1990 an late data
[PB91-169102] 20 p3447 N91-29130
Solar-geophysical data number 557, January 1991. Part 2: (Comprehensive reports). Data for July 1990 and miscellaneous
[PB91-169110] 20 p3447 N91-29131
Solar-geophysical data number 560, April 1991. Part 1: (Prompt reports). Data for March, February 1991, and late data
[PB91-193508] 24 p4124 N91-33047
Solar-geophysical data number 560, April 1991. Part 2: (Comprehensive reports). Data for October 1990 and miscellaneous
[PB91-193516] 24 p4124 N91-33048
COFFEY, RANDALL EVAN
The application of depot transfer/rendezvous in space-based cyclic orbit missions 10 p1483 N91-18174
COFFLAND, BRUCE
The high altitude aircraft program of NASA/Ames Research Center 17 p2799 N91-25483
COGGESHALL, STEPHEN V.
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282
COGOLI, AUGUSTO
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
Lymphocytes on sounding rockets 11 p1749 N91-19620
Reduced lymphocyte activation in space: Role of cell-substratum interactions 11 p1750 N91-19621
Increased mitogenic response in lymphocytes from chronically centrifuged mice 11 p1752 N91-19634
Biolab on Columbus: A facility for basic science and biotechnology 11 p1756 N91-19658
COGOLI, MARIANNE
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
Lymphocytes on sounding rockets 11 p1749 N91-19620
COHEN, ARTHUR
Heats of explosion at low pressures, 2
[AD-A231020] 13 p2058 N91-21328
COHEN, B. I.
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
Comprehensive numerical modelling of tokamaks
[DE91-006219] 09 p1408 N91-17746
Physics study of the application of an IFEL (Induction-Accelerator Free-Electron Laser) to CIT
[DE91-004993] 10 p1527 N91-18411
COHEN, CHARLES
Comparison of SSM/I measurements to numerically-simulated cloud and precipitation during ERICA 08 p1181 N91-16501
COHEN, DONALD S.
Differential equations and continuum mechanics
[AD-A237722] 21 p3565 N91-29820
COHEN, DOROTHEA
The role of the Remotely Augmented Vehicle (RAV) laboratory in flight research
[NASA-TM-104235] 22 p3618 N91-30128
COHEN, EDWARD
Statistically thinned arrays with quantized element weights
[AD-A227965] 08 p1127 N91-16196
COHEN, G.
Improved techniques for lower bounds for odd perfect numbers
[CWI-NM-R8921] 02 p0260 N91-11448
COHEN, G. C.
Formal proof of the AVM-1 microprocessor using the concept of generic interpreters
[NASA-CR-187491] 11 p1779 N91-19756
The formal verification of generic interpreters
[NASA-CR-4403] 24 p4090 N91-32853

COHEN, GERALD C.
The Integrated Airframe/Propulsion Control System Architecture program (IAPSA) 04 p0483 N91-12689
Advanced embedded processing: Present and future 09 p1376 N91-17562
Structured representation for requirements and specifications
[NASA-CR-187522] 18 p3043 N91-26797
Toward a formal verification of a floating-point coprocessor and its composition with a central processing unit
[NASA-CR-187547] 20 p3389 N91-28777
An example of requirements for Advanced Subsonic Civil Transport (ASCT) flight control system using structured techniques
[NASA-CR-187526] 24 p3960 N91-32132
COHEN, HARVEY D.
Further studies of 60 Hz exposure effects on human function
[DE91-000868] 04 p0552 N91-13062
COHEN, J. B.
Residual stress and diffraction elastic constants measurements with a personal computer
[AD-A225145] 03 p0381 N91-12128
Load sharing of the phases in 1080 steel during low cycle fatigue
[AD-A229735] 12 p1914 N91-20525
Materials can be stressed out too
[AD-A231351] 13 p2105 N91-21589
Defect clustering and related properties of oxides
[DE91-011072] 18 p2952 N91-26290
Determining stresses in composites
[AD-A238618] 21 p3471 N91-29249
COHEN, J. W.
On the attained waiting time
[CWI-BS-R9016] 10 p1589 N91-18758
On the random walk with zero drifts in the first quadrant of R2
[CWI-BS-R9022] 17 p2843 N91-25714
COHEN, JERRY
Software: Where we are and what is required in the future 14 p2304 N91-22729
COHEN, JONATHAN D.
On the control of automatic processes: A parallel distributed processing account of the Stroop effect
[AD-A225617] 07 p1054 N91-15790
COHEN, JOSEPH M.
Performance and cost projections for advanced wind turbines
[DE90-000370] 02 p0230 N91-11286
COHEN, L. H.
Investigations into a pulsed heterodyne CO2-laser rangefinder
[FEL-90-A087] 07 p1008 N91-15537
COHEN, LAWRENCE MARK
Emission and laser-induced fluorescence diagnostics of a supersonic jet of plasma-heated nitrogen 22 p3672 N91-30445
COHEN, LESLIE
The necessity for a DOD capability in superconducting electronics
[AD-A231553] 13 p2163 N91-21931
COHEN, M.
Airborne observations of the infrared emission bands 06 p0890 N91-14919
Spectral structure near the 11.3 micron emission feature 06 p0892 N91-14926
Soft x-ray laser gain prediction at high density for the nitrogen isoelectronic sequence
[DE91-007616] 11 p1710 N91-19416
Workshop on the Online Documentation in the Supercomputing Environment, Working Paper Conference
[PB91-164772] 19 p3217 N91-27779
COHEN, MARSHALL H.
Radio astronomy 24 p4119 N91-33018
COHEN, MARTIN
New version of NASA-Ames/Jamieson Science and Engineering point source infrared sky model
[AD-A231953] 14 p2342 N91-22950
COHEN, NORMAN
Data Management System (DMS) testbed user's manual development, volumes 1 and 2
[NASA-CR-187391] 04 p0558 N91-13093
COHEN, P. I.
Epitaxial iron films
[AD-A232419] 15 p2518 N91-23958
The growth of ultrathin epitaxial intermetallic films
[AD-A237798] 21 p3597 N91-30011
COHEN, PAUL R.
Northeast Artificial Intelligence Consortium (NAIC). Volume 5: Distributed planning for dynamic environments in the presence of time constraints
[AD-A234884] 18 p3046 N91-26819
Northeast Artificial Intelligence Consortium (NAIC). Volume 14: Knowledge base retrieval using plausible inference
[AD-A234893] 18 p3048 N91-26828
COHEN, PHILIP
Adaptive interfaces
[AD-A235773] 19 p3221 N91-27804
COHEN, R. B.
Time-resolved mass and energy analysis
[AD-A235938] 19 p3244 N91-27941
COHEN, R. E.
Gas solubility in glassy polymers: A correlation with excess enthalpy
[AD-A228202] 08 p1120 N91-16155
Toward a block-copolymer-emulsified, tough blend of isotactic polystyrene and polybutadiene: HIiPS
[AD-A231934] 14 p2249 N91-22443
Evaluation of domain spacing scaling laws for semicrystalline diblock copolymers
[AD-A231958] 14 p2249 N91-22445
Polybutadiene chain immobilization in B-core, star-branched SB block copolymers
[AD-A236767] 19 p3142 N91-27367
Morphology of bulk Nylon 6 subjected to plane strain compression
[AD-A237331] 21 p3532 N91-29622
Deconvolution of x ray diffraction data to elucidate plastic deformation mechanisms in the uniaxial extension of bulk Nylon-6
[AD-A237332] 21 p3532 N91-29623
COHEN, R. H.
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
Comprehensive numerical modelling of tokamaks
[DE91-006219] 09 p1408 N91-17746
Physics study of the application of an IFEL (Induction-Accelerator Free-Electron Laser) to CIT
[DE91-004993] 10 p1527 N91-18411
COHEN, R. M.
Research in the physical sciences with application to the free electron laser
[AD-A237884] 21 p3523 N91-29571
COHEN, ROBERT E.
Compatibilization of blends of crystallizable polybutadiene isomers by precipitation and by addition of amorphous diblock copolymer
[AD-A232071] 16 p2605 N91-24432
Control of morphology of crystallizable polymer mixtures via manipulation of the heterogeneous melt
[AD-A229395] 22 p3653 N91-30330
COHEN, ROSS D.
Detection of a z=0.0515, 0.0522 absorption system in the QSO S4 0248+430 due to an intervening galaxy 05 p0761 N91-14228
COHEN, S.
Chemistry of fluorine in the oxidation of silicon
[AD-A234959] 18 p2949 N91-26272
COHEN, SAMUEL H.
A computer program for measuring fibers with the ZEISS CSM 950 scanning electron microscope
[AD-A229952] 12 p1955 N91-20754
Analysis of ballistically caused damage in some test panel fibers
[AD-A236061] 19 p3175 N91-27552
COHEN, SHOLOM G.
Feature-Oriented Domain Analysis (FODA) feasibility study
[AD-A235785] 19 p3223 N91-27815
COHN, R. D.
Across North America Tracer Experiment (ANATEX): Model evaluation study
[PB90-261454] 09 p1359 N91-17469
COIC, Y. M.
Single event upset sensitivity of a SRAM: An overview from testing procedures to device hardening (theme 2) 24 p3998 N91-32346
COIRIER, WILLIAM J.
Numerical flux formulas for the Euler and Navier-Stokes equations. 2: Progress in flux-vector splitting
[NASA-TM-104353] 14 p2188 N91-22084
COJOCARU, ALICE
COOP: A Concurrent Object Oriented Programming language and environment
[ITN-91-95078] 07 p1050 N91-15764
COLAIANNI, M. L.
Dissociative adsorption of PH3 on Si(111)-(7x7). A high resolution electron energy loss spectroscopy study
[AD-A225313] 03 p0339 N91-11900
The stepwise dissociation of NH3 on the Si(111)-(7x7) surface: Low temperature dissociative adsorption and thermal effects
[AD-A235009] 18 p2949 N91-26274
COLANGELI, L.
Laboratory spectra of amorphous and crystalline olivine: An application to comet Halley IR spectrum
[DE91-002307] 05 p0768 N91-14264
COLANGELI, LUIGI
Raman properties of various carbonaceous materials and their astrophysical implications 06 p0893 N91-14933
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
Experimental evidence for amorphous carbon grains in comets 06 p0907 N91-15008
IR emission from circumstellar envelopes of C-rich stars 06 p0909 N91-15019
COLBECK, SAMUEL C.
Remote sensing of snow covers using the gamma ray technique
[AD-A238016] 21 p3534 N91-29639
COLBERG, AMADO
US oceanic air traffic control: Past, present, and future 24 p3958 N91-32118
COLBORN, B. L.
Characteristics of trapped proton anisotropy at Space Station Freedom altitudes
[NASA-CR-184061] 07 p1082 N91-15953
Scoping estimates of the LDEF satellite induced radioactivity
[NASA-CR-184074] 08 p1103 N91-16056
Radiation calculations and comparisons with data 16 p2709 N91-24991
LDEF geometry/mass model for radiation analyses 16 p2709 N91-24992
COLBY, FRANK P., JR.
Super-micro computer weather prediction model
[AD-A230063] 12 p1925 N91-20592
COLCHIN, R. J.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856
COLCLOUGH, M. S.
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981
High-T(sub c) thin-film microelectronics
[DE91-012340] 20 p3425 N91-28997
COLDWELL, CHARLES E., JR.
Analysis and modeling of early vision tasks for robot stereo vision 20 p3355 N91-28585
COLE, A. G.
Degradation of brightness by resonant particle effects
[DE91-015181] 21 p3525 N91-29578
COLE, ARTHUR N.
Analysis of knowledge-based expert systems as tools for construction design
[AD-A234473] 18 p2972 N91-26404
COLE, B. F.
Fabrication and measurement of high Tc superconducting microbolometers
[DE91-005234] 09 p1411 N91-17767
COLE, D. G.
Solar-Terrestrial Predictions. Proceedings of a Workshop. Volume 1: Working group reports, review papers and solar papers
[PB91-197079] 22 p3777 N91-31064
Solar-Terrestrial Predictions: Proceedings of a workshop. Volume 2: Geomagnetic and space environment papers and ionosphere papers
[PB91-197087] 22 p3777 N91-31065
COLE, EDWARD I., JR.
The use of light emission in failure analysis of CMOS ICs
[DE91-001234] 06 p0838 N91-14633
COLE, ERIC D.
Gallium arsenide processing for gate array logic 17 p2882 N91-25933
COLE, ERIC E.
Laser annealing of amorphous/poly: Silicon solar cell material flight experiment
[NASA-CR-187370] 03 p0386 N91-12151
COLE, G. H.
Application of the GSFUDS to advanced batteries and vehicles
[DE91-006116] 10 p1518 N91-18358
Simulation of electric vehicles with hybrid power systems
[DE91-006118] 10 p1518 N91-18360
COLE, GREGORY LAWRENCE
Models of plate kinematics along the western margin of the Americas: Cretaceous to present 04 p0545 N91-13026

COLE, J. J.
Supplemental throttleless otto-cycle natural gas engine experiments
[PB91-182576] 19 p3177 N91-27564
COLE, J. K.
The development of a ram air decelerator for the recovery of artillery shells
[DE91-007732] 11 p1643 N91-19064
Benchmarking numerical predictions with force and moment measurements on slender, supercavitating bodies
[DE91-007066] 15 p2425 N91-23432
COLE, JAMES B.
Image recovery by simulated annealing
[AD-A230655] 13 p2153 N91-21869
COLE, R. L.
Cylinder pressure analysis of a diesel engine using oxygen-enriched air and emulsified fuels
[DE90-017660] 03 p0373 N91-12090
Technical and economic evaluation of diesel engine with oxygen enrichment and water injection
[DE90-009723] 08 p1157 N91-16373
Simulation studies of diesel engine performance with oxygen enriched air and water emulsified fuels
[DE91-006053] 09 p1348 N91-17404
Oxygen-enriched diesel engine performance: A comparison of analytical and experimental results
[DE91-006491] 11 p1714 N91-19440
Effects of oxygen enrichment and fuel emulsification on diesel engine performance and emissions
[DE91-016520] 24 p4027 N91-32506
COLE, SAMUEL J.
B(+)(S-1) + H2 yeilds BH(+)(sigma-2) + H: A Woodward-Hoffman forbidden ion-molecule reaction
[AD-A235885] 19 p3242 N91-27929
COLE, STANLEY R.
Some buffet response characteristics of a twin-vertical-tail configuration
[NASA-TM-102749] 05 p0615 N91-13412
Dynamic response of a hammerhead launch vehicle wind-tunnel model
[NASA-TM-104050] 13 p2032 N91-21177
An overview of the active flexible wing program
14 p2229 N91-22332
COLELLA, P.
An efficient second-order projection method for viscous incompressible flow
[DE91-011533] 17 p2777 N91-25372
Conservative front-tracking for inviscid compressible flow
[DE91-011534] 17 p2778 N91-25377
COLEMAN, BOB
Analysis of air toxics emissions, exposures, cancer risks, and controllability in five urban areas. Volume 2: Controllability analysis and results
[PB90-259870] 09 p1359 N91-17468
COLEMAN, D. J.
Conversion of alkoxide solutions to oxides: Evaporation of products
[AD-A226927] 06 p0805 N91-14442
COLEMAN, DAVID M.
Evaluation procedure for reinforced concrete box culverts under airfield pavements
[AD-A227920] 08 p1099 N91-16031
COLEMAN, GARY NEIL
A numerical study of the stratified turbulent Ekman layer
15 p2423 N91-23421
COLEMAN, HUGH W.
Investigations of surface roughness effects on turbulent flow and heat transfer
[AD-A229979] 12 p1895 N91-20422
COLEMAN, JAMES J.
Broad area distributed gain, distributed index profile GaAlAs semiconductor laser diodes
[AD-A232332] 15 p2433 N91-23483
COLEMAN, L. W.
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
COLEMAN, M.
Pressure vessel burst test program
[AD-A237845] 21 p3532 N91-29624
COLEMAN, MARTIN E.
Panel summary of recommendations
07 p1078 N91-15931
COLEMAN, MONTE W.
Flow visualization in a particle laden jet flow
[AD-A226432] 04 p0523 N91-12914
COLEMAN, RODERICK M.
Computation of incompressible flow around the DARPA SUBOFF bodies
[AD-A226481] 05 p0657 N91-13646
COLEMAN, T. A.
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-008832] 12 p1902 N91-20464
COLEMAN, WINSON R.
A successful intervention program for high ability minority students
19 p3272 N91-28099
COLES, MICHAEL
Information extraction from visual displays and the event-related brain potential
[AD-A227063] 06 p0855 N91-14722
COLES, SUSAN
Personal information systems: The implications of job and individual differences for design
17 p2885 N91-25947
COLESTOCK, P.
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
COLETTA, A.
The design of the SAX scientific data archive for a quick look at the rotational control centre
14 p2223 N91-22295
COLGAN, SEAN W. J.
Far-infrared spectroscopy of NGC 6946, IC 342, and Arp 299
05 p0737 N91-14114
COLGATE, STIRLING A.
Gamma ray bursts from comet neutron star magnetosphere interaction, field twisting and E(sub parallel) formation
[DE91-002320] 05 p0769 N91-14270
The entropy in supernova explosions
[DE91-005876] 09 p1427 N91-17858
COLINA, L.
IC5063: A merger with a hidden luminous active nucleus
08 p1257 N91-16923
COLKET, CURRIE
Kernal facilities definition, Kernel version 3.0
[AD-A228027] 08 p1202 N91-16610
COLLARD, PHILIPPE E.
Parallel Ada benchmarks for the SVMS
[NASA-CR-182453] 05 p0704 N91-13929
COLLEN, KATHLEEN R.
Structural and electrical properties of titanium-nickel films deposited onto silicon substrates
[AD-A236445] 19 p3159 N91-27465
COLLERAINE, A.
DIII-D results and plans
[DE91-001548] 06 p0877 N91-14847
COLLERAINE, A. P.
Latest results from DIII-D and their implications for future devices
[DE91-008499] 12 p1983 N91-20913
COLLET, BILL
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
COLLETTE, T. W.
Multispectral identification of potentially hazardous byproducts of ozonation and chlorination. Part 1: Studies of chromatographic and spectroscopic properties of MX
[PB91-161703] 18 p3006 N91-26601
COLLICOTT, STEVEN H.
Laser speckle velocimetry with photorefractive recording and anamorphic optical processing
20 p3406 N91-28880
COLLIER-CAMERON, A.
Circumstellar magnetic activity, flares and mass ejections in young stars
10 p1619 N91-18930
COLLIER, C. G.
Report of the Consultancy Group on rain radar
[ESA-SP-1119] 04 p0548 N91-13042
COLLIER, F. S., JR.
Laminar-flow flight experiments
16 p2551 N91-24135
COLLIER, LISA D.
Space Station Freedom resource allocation accommodation of technology payload requirements
[NASA-TM-102766] 08 p1239 N91-16832
Technology for the Future: In-Space Technology Experiments Program, part 1
[NASA-CP-10073-PT-1] 19 p3109 N91-27177
Technology for the Future: In-Space Technology Experiments Program, part 2
[NASA-CP-10073-PT-2] 19 p3109 N91-27178
COLLIER, M. S.
CFD calibration and application to the design of flow tailoring devices for simulating forebody influences on fighter aircraft inlet flows
17 p2772 N91-25339
COLLIER, MARK D.
Research into software executives for space operations support
[NASA-CR-187013] 05 p0699 N91-13895
Continuation of research into software for space operations support, volume 1
[NASA-CR-187661] 09 p1376 N91-17557
Continuation of research into software for space operations support: Conversion of the display manager to X Windows/Motif, volume 2
[NASA-CR-187662] 09 p1376 N91-17558
COLLIER, RICHARD S.
Evaluating lightning hazards to building environments using explicit numerical solutions of Maxwell's equations
24 p4069 N91-32733
COLLIGON, J. S.
Ion Implantation Technology: Proceedings of the 8th International Conference on Ion Implantation Technology
[AD-A237955] 21 p3597 N91-30013
COLLIN, K. H.
Cold start investigation of an APU with annular combustor and fuel vaporizers
23 p3793 N91-31154
COLLIN, M. F.
The development of a specific image analysis technique for exploiting flow visualization negatives
[AAAF-NT-89-26] 23 p3871 N91-31593
COLLIN, MARIE-FRANCE
Automatic analysis of visualization negatives
[ETN-91-99971] 23 p3873 N91-31603
COLLINGS, E. W.
Ferromagnetic material in the superconductor and its effect on the magnetization sextupole and decapole in the SSC dipoles at injection
[DE91-011886] 20 p3424 N91-28993
COLLINS, AARON S.
Transportable telemetry workstation
17 p2878 N91-25918
COLLINS, BELINDA L.
Evaluation of exit signs in clear and smoke conditions
[PB90-269523] 09 p1275 N91-17006
COLLINS, C. B.
Proof of the feasibility of coherent and incoherent schemes for pumping a gamma ray laser
[AD-A230897] 13 p2092 N91-21520
COLLINS, C. D. N.
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin
19 p3192 N91-27650
COLLINS, CHARLES
Review of geography internship of convective wave project
[NASA-CR-187022] 05 p0687 N91-13819
Interannual variation of seasonal means and subseasonal variability of cloud streets off the east coast of North America 1984-1987
[NASA-CR-187021] 05 p0689 N91-13831
COLLINS, DEAN R.
Radar signal categorization using a neural network
13 p2140 N91-21782
COLLINS, DONALD J.
Bio-optical profile data report: Joint Global Ocean Flux Study, Hawaii Ocean Time-Series, HOT-3, R/V Moana Wave, 6-10 January 1989
[NASA-CR-187805] 08 p1189 N91-16534
COLLINS, EARL R., JR.
Energy efficient continuous flow ash lockhopper
[NASA-CASE-NPO-16985-1-CU]
07 p0988 N91-15423
COLLINS, EMMANUEL G., JR.
High performance, accelerometer-based control of the Mini-MAST structure at Langley Research Center
[NASA-CR-4377] 16 p2565 N91-24222
COLLINS, G.
Research on intelligent fault detection and repair advisory systems
[AD-A235267] 18 p2997 N91-26551
COLLINS, G. W.
Optical and thermal energy discharge from tritiated solid hydrogen
[DE91-011188] 17 p2757 N91-25263
Enhancing atom densities in solid hydrogen by isotopic substitution
[DE91-011189] 20 p3396 N91-28824
COLLINS, GEORGE C.
An overview of SAFENET and its implications for aerospace applications
[NASA-CR-188585] 17 p2831 N91-25640
COLLINS, J.
Theoretical studies in elementary particle physics
[DE91-009543] 13 p2150 N91-21851
COLLINS, JEFFERY D.
A finite element conjugate gradient FFT method for scattering
06 p0811 N91-14476
A finite element conjugate gradient FFT method for scattering
11 p1689 N91-19306
A finite element-boundary integral method for scattering and radiation by two- and three-dimensional structures
[NASA-CR-188071] 12 p1884 N91-20359
COLLINS, JEFFREY D.
A combined finite element-boundary element formulation for solution of axially symmetric bodies
[NASA-CR-187886] 09 p1324 N91-17268

COLLINS, JOHN
Theoretical studies in elementary particle physics
[DE91-006795] 10 p1592 N91-18781
COLLINS, MICHAEL PATRICK
Method for monitoring acoustic emissions
[EP-PATENT-0-317-322-A2] 07 p1062 N91-15841
COLLINS, R. T.
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
COLLINS, S.
Information processing in the outer retina
[RSRE-MEMO-4469] 22 p3718 N91-30694
COLLINS, S. A.
Scientific CCD technology at JPL
14 p2360 N91-23057
COLLINS, S. C.
An on-line real-time system for fatigue crack growth monitoring
[DE91-007931] 11 p1722 N91-19483
COLLINS, SANDRA R.
Thin crystalline InP on insulating substrates
[AD-A226386] 04 p0590 N91-13294
COLLINS, T.
Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484
COLLINS, THOMAS R.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 1, Task 1: Digital emulation technology laboratory
[AD-A225123] 04 p0474 N91-12649
COLLINS, TIM
Performance measurements of hybrid PIN diode arrays
[DE90-010308] 08 p1232 N91-16790
COLLINS, TIMOTHY J.
Comparative morphology of configurations with reduced part count derived from the octahedral-tetrahedral truss
[NASA-TM-102768] 11 p1664 N91-19168
COLLOFELLO, JAMES S.
Introduction to software verification and validation
[AD-A236117] 19 p3227 N91-27839
The software technical review process
[AD-A236139] 20 p3383 N91-28743
COLLOZZA, ANTHONY J.
Design, optimization, and analysis of a self-deploying PV tent array
[NASA-CR-187119] 19 p3185 N91-27613
COLOM, P.
Observations of parent molecules in comets P/Brorsen-Metcalf (1989o), Austin (1989c1) and Levy (1990c) at millimetre wavelengths: HCN, H2S, H2CO and CH3OH 10 p1621 N91-18944
Millimetre observations of comets P/Brorsen-Metcalf (1989o) and Austin (1989c1) with the IRAM 30-m radio telescope 12 p2004 N91-21029
COLOMBANT, D. G.
Quantum extension of Child-Langmuir law
[AD-A232407] 15 p2505 N91-23878
COLOMBO, GERALD V.
Regenerable biocide delivery unit
[NASA-CASE-MSC-21763-1] 17 p2817 N91-25570
COLORNI, ALBERTO
On the use of genetic algorithms to solve the time-table problem
[REPT-90-060] 15 p2484 N91-23752
Max-linear combinatorial optimization
[REPT-91-005] 22 p3731 N91-30770
COLOZZA, A.
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
COLOZZA, ANTHONY J.
SEI rover solar-electrochemical power system options
[NASA-TM-104402] 15 p2458 N91-23620
COLPITTS, T. S.
Graded-bandgap AlGaAs solar cells for AlGaAs/Ge cascade cells 11 p1667 N91-19186
COLQUHOUN, ALEXANDER
Millimeter-wave monolithic integrated receiver circuits
07 p0942 N91-15162
COLQUHOUN, DAVID M.
The QT interval in lightning injury with implications for the cessation of metabolism hypothesis
24 p4049 N91-32621
COLQUITT, WALTER
Creation of fully vectorized FORTRAN code for integrating the movement of dust grains in interplanetary environments
[NASA-CR-187263] 04 p0608 N91-13382
COLSON, R. O.
Oxygen and iron production by electrolytic smelting of lunar soil 16 p2594 N91-24371
COLSON, RUSSELL O.
Lunar oxygen and metal for use in near-Earth space: Magma electrolysis 17 p2755 N91-25248
Lunar resources: Toward living off the lunar land
17 p2755 N91-25249
Electrolysis of lunar soil to produce oxygen and metals 17 p2901 N91-26023
Magma Electrolysis: An update
17 p2901 N91-26024
A geochemical assessment of possible lunar ore formation 17 p2901 N91-26027
On prediction and discovery of lunar ores
17 p2902 N91-26028
COLSTON, B. W., JR.
Preliminary field demonstration of a fiber-optic TCE sensor
[DE91-008453] 13 p2089 N91-21498
COLTON, MARIE C.
Dependence of radar backscatter on the energetics of the air-sea interface
[AD-A237818] 21 p3543 N91-29685
COLTRIN, M. E.
Surface Chemkin (version 3.7): A FORTRAN package for analyzing heterogeneous chemical kinetics at a solid-surface-gas-phase interface
[DE91-010840] 18 p2951 N91-26285
COLUCCI, STEPHEN J.
The effect of latent heat release on synoptic-to-planetary scale wave interactions and implications for satellite observations: Observational study
08 p1185 N91-16515
COLUMBUS, RICHARD L.
Precision metering of microliter volumes of biological fluids in micro-gravity 24 p4080 N91-32792
COLVIN, J.
Experimental data from an oxygen plant for Mars
17 p2913 N91-26082
COLVIN, JAMES E.
Production and use of metals and oxygen for lunar propulsion
[NASA-TM-105195] 21 p3466 N91-29222
COLVIN, M. E.
An analog retina model for detecting moving objects against a moving background
[DE91-017428] 24 p4035 N91-32544
COLVIN, V. L.
A photoemission investigation of compound semiconductor monodisperse clusters
[DE91-006707] 11 p1806 N91-19921
COLWELL, JOSHUA EDWARDS
The origin and evolution of the Uranian dust rings
05 p0766 N91-14253
COMANDATORE, E.
EMC verification approach and facility on Columbus Attached Laboratory 07 p0960 N91-15285
COMBES, F.
CO observations of southern mergers
05 p0754 N91-14197
The molecular spiral arms of NGC 6946
05 p0761 N91-14231
COMBES, FRANCOISE
Dynamical friction in pairs of elliptical galaxies
08 p1259 N91-16933
COMBES, M.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175
COMBI, MICHAEL
An analysis of CCD images of the coma of Comet Halley
[NASA-CR-187725] 07 p1082 N91-15954
Distribution of gas in the inner comae of comets
[NASA-CR-187723] 07 p1082 N91-15955
The P/Halley: Spatial distribution and scale lengths for C2, CN, NH2, and H2O 17 p2893 N91-25992
COMBS, J.
Non-algorithmic issues in automated computational mechanics
[AD-A238322] 22 p3727 N91-30744
COMBS, S. K.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
Fueling of magnetically confined plasmas by single- and two-stage repeating pneumatic pellet injectors
[DE91-002635] 06 p0875 N91-14839
QUICKGUN: An algorithm for estimating the performance of two-stage light gas guns
[DE91-004973] 09 p1293 N91-17107
COMER, C.
Signal processing development
[AD-A226593] 05 p0725 N91-14052
COMER, GREGORY LEE
The thermodynamic stability of systems containing black holes 15 p2531 N91-24022
COMET, M.
Long duration hyperbaric confinement: Hydra 9
15 p2450 N91-23571
COMPANION, JOHN A.
Tissue simulating gel for medical research
[NASA-CASE-LAR-14036-1] 05 p0642 N91-13562
Lamina transducer coupler and method of making
[NASA-CASE-LAR-14361-1] 08 p1218 N91-16707
COMPERE, A. L.
High-alcohol microemulsion fuel performance in a diesel engine
[DE91-001617] 05 p0644 N91-13572
COMPTON, JIMMY
Mechanism test bed. Flexible body model report
[NASA-CR-184189] 22 p3624 N91-30161
COMPTON, R. N.
Negative ion formation by Rydberg electron transfer: Isotope-dependent rate constants
[DE91-012058] 18 p3061 N91-26909
Laser ejection of Ag(sup +) ions from a roughened silver surface: Role of the surface plasmon
[DE91-012945] 20 p3350 N91-28554
COMPTON, R. T.
Adaptive arrays in packet radio networks
[AD-A239636] 23 p3857 N91-31509
CONANT, J. W.
Magnetic structures of actinide materials by pulsed neutron diffraction
[DE91-000373] 08 p1109 N91-16093
CONCEICAO, J.
Ultraviolet photoelectron spectra of gallium arsenide clusters
[AD-A224927] 13 p2047 N91-21261
CONCUS, P.
On accurate determination of contact angle
[DE91-013849] 20 p3331 N91-28450
CONDE, ERIC
Microwelding of various metallic materials under ultravacuum (AO 138-10) 16 p2725 N91-25091
CONDIT, R.
Inherently safe nuclear-driven internal combustion engines
[DE91-016568] 24 p4027 N91-32503
CONDO, G. T.
Elementary particle interactions
[DE91-001220] 05 p0713 N91-13979
CONDON, GREGORY W.
Simulation of nap-of-Earth flight in helicopters
07 p1047 N91-15744
Simulation of nap-of-the-Earth flight in helicopters
[NASA-TM-102830] 13 p2024 N91-21131
CONEY, M. H.
Thermal fatigue cycling in turbine blades
[PNR-90682] 01 p0011 N91-10067
CONFLAND, B.
Evaluation of fatigue behaviour of SMC composites materials 12 p1861 N91-20226
CONG, NGUYEN HUU
Stability of collocation-based Runge-Kutta-Nystroem methods
[CWI-NM-R9016] 18 p3049 N91-26835
CONGER, SUE
Assessment and development of software engineering tools
[AD-A233471] 17 p2829 N91-25627
CONGO, RICHARD T.
Design and development of a space station hazardous material system for assessing chemical compatibility
07 p1079 N91-15839
CONGO, RICHARD THOMAS
Design and development of a space station hazardous materials information system for assessing chemical compatibility 09 p1297 N91-17120
CONKLIN, EDWARD K.
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
CONKLIN, J. C.
Thermal performance analysis for heat exchangers using nonazeotropic refrigerant mixtures
[DE90-016030] 02 p0212 N91-11186
Advantages of enthalpy-temperature diagrams for nonazeotropic refrigerant mixtures
[DE91-016774] 24 p4113 N91-32991
CONLEY, JOSEPH L.
A simulation evaluation of a four-engine jet transport using engine thrust modulation for flightpath control
[NASA-TM-4324] 21 p3461 N91-29194
CONLEY, JULIANNE M.
Verification of the proteus two-dimensional Navier-Stokes code for flat plate and pipe flows
[NASA-TM-105160] 22 p3675 N91-30462
CONLON, R. F. B.
An evaluation programme for the capability approval of GaAs MMICs 24 p3992 N91-32303

CONN, R.
New method for edge plasma control by RF ponderomotive force
[DE91-744823] 11 p1805 N91-19911
CONNELL, DON
Technology transfer methodology
20 p3298 N91-28239
CONNELL, JOHN W.
N-(3-ethynylphenyl)maleimide
[NASA-CASE-LAR-14188-2] 06 p0801 N91-14419
Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] 15 p2391 N91-23237
Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU] 23 p3819 N91-31307
CONNELL, L. W.
Nuclear thermal rockets: A systems study
[DE91-017066] 23 p3805 N91-31221
CONNER, HARRY B.
Troubleshooting Assessment and Enhancement (TAE) program: Theoretical, methodological, test, and evaluation issues
[AD-A236401] 19 p3228 N91-27846
Troubleshooting Assessment and Enhancement (TAE) program: Design, development, and administration, volume 1
[AD-A236411] 19 p3228 N91-27847
CONNER, J. R.
Surface structures and the orthorhombic transformation of thin film BaSi2 on silicon
[DE91-011372] 17 p2871 N91-25883
CONNER, KELLY J.
Rotordynamic and leakage characteristics of a 4-stage brush seal
[AD-A235336] 18 p2995 N91-26541
CONNER, SAM
Multiband observations of Cygnus A: A study of pressure balance in the core of a powerful radio galaxy
05 p0745 N91-14151
CONNOLLY, D. J.
Aerospace applications of high temperature superconductivity 15 p2541 N91-24080
CONNOLLY, DAN
A modulation quality factor for Low Probability of Intercept (LPI) communications systems
16 p2616 N91-24483
CONNOLLY, J. C.
Linear laser diode arrays for improvement in optical disk recording
[NASA-CR-182098] 09 p1337 N91-17342
Improving the reliability and modal stability of high power 870 nm AlGaAs CSP laser diodes for applications to free space communication systems
[NASA-CR-4345] 10 p1528 N91-18413
CONNOLLY, R. C.
A real-time longitudinal phase-space measurement technique for H(-) beams
[DE91-011412] 17 p2862 N91-25829
CONNOLY, EDWARD
An evaluation of the production processes and methods associated with Carello Cell at RISTS, Telford
[ETN-90-97578] 01 p0038 N91-10228
CONNOR, A.
Fracture behavior of warm forged and CVD tungsten
[DE91-009756] 14 p2247 N91-22433
CONNOR, CRAIG
The practical challenges of converting end-use data into information
[DE90-016538] 02 p0284 N91-11600
CONNOR, K. A.
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
CONNOR, W. C.
Automatic barometric updates from ground-based navigational aids
[AD-A230508] 12 p1832 N91-20069
CONNORS, MARY M.
Issues on combining human and non-human intelligence 12 p1949 N91-20721
CONRAD, HANS
Effects of electric fields and currents on microstructure, properties, and processing of metals and alloys
[AD-A228647] 09 p1312 N91-17201
CONRAD, K. T.
Sedimentation and tectonics in the northeastern and central Amadeus Basin, central Australia
19 p3193 N91-27653
CONRADI, MARK S.
Novel measurements of nuclear spin cross-relaxation in metal hydrides
[DE90-018042] 02 p0268 N91-11503
CONRADSON, S. D.
XAFS analysis in the anharmonic limit: Application to HI-Tc superconductors and ferrosilicates
[DE90-016720] 01 p0131 N91-10776
X ray absorption fine structure of systems in the anharmonic limit
[DE91-016070] 24 p4097 N91-32892
CONRY, SUSAN E.
Northeast Artificial Intelligence Consortium (NAIC). Volume 4: Distributed artificial intelligence for communications network management
[AD-A234883] 18 p3046 N91-26818
Northeast Artificial Intelligence Consortium (NAIC). Volume 5: Distributed planning for dynamic environments in the presence of time constraints
[AD-A234884] 18 p3046 N91-26819
CONSAGA, JOHN P.
Bonding agent for composite propellants
[AD-D014876] 18 p2969 N91-26392
CONSTANS, H.
Trends in latch-up sensitivity
24 p3998 N91-32345
CONSTANTINEAU, E. J.
Aerosol cloud generation experiments
[DE90-011051] 08 p1138 N91-16264
CONSTANTINOU, G.
Satellite/control centre interface organisation in the Eutelsat 2 satellite control system
14 p2211 N91-22213
CONSTERDINE, IAN
NRL tethered balloon measurements at San Nicolas Island during FIRE IFO 1987 01 p0086 N91-10509
CONTE, THOMAS M.
The effect of code expanding optimizations on instruction cache design
[NASA-CR-188467] 16 p2672 N91-24789
CONTER, T.
SCI3: A knowledge based system for on-board assistance with the interpretation of infra-red images
17 p2731 N91-25123
SEAN: A navigation aid expert system for combat aircraft 17 p2734 N91-25137
CONTET, J.
A high integrity flight data system
04 p0486 N91-12704
CONTI, P. S.
New results of the UV variability of the WR stars HD 50896 and HD 192163 09 p1435 N91-17907
CONTI, PETER S.
Optical/IR from ground 24 p4119 N91-33020
CONTOLATIS, T.
A 30 GHz monolithic receive module
[NASA-CR-187085] 15 p2410 N91-23346
CONTOLINI, R. J.
Design calculations for the microchannel heatsink
[DE91-008730] 14 p2265 N91-22534
CONTRERAS, JUANITA
Design and evaluation of thrust vectored nozzles using a multicomponent thrust stand
[NASA-CR-180474] 02 p0187 N91-11050
CONVERTINO, VICTOR A.
Considerations for an exercise prescription
01 p0100 N91-10585
CONWAY, DARREL JAMES
Numerical models of equilibrium between matter and black holes 20 p3442 N91-29101
CONWAY, TERRY L.
Smoking, exercise, and physical fitness
[AD-A234658] 18 p3028 N91-26717
CONWELL, D. S.
Superconcurrency: A form of distributed heterogeneous supercomputing
[AD-A236524] 19 p3230 N91-27854
COOK, BILL D.
Localized wave transport of pulsed beam energy
[DE91-005066] 10 p1590 N91-18769
COOK, D.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157
COOK, D. L.
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
Progress in light ion fusion
[DE91-012019] 20 p3397 N91-28826
COOK, D. M.
Implementation of the FAA research and development electromagnetic database
[DE91-010063] 15 p2468 N91-23674
Implementation of the FAA research and development electromagnetic database 24 p4066 N91-32715
COOK, DAVID W.
Explaining patterns in the ratification of global environmental treaties 14 p2282 N91-22620
COOK, E. G.
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482
COOK, GEORGE E.
ROBOSIM, a simulator for robotic systems
14 p2360 N91-23059
COOK, GRANT
Construction of large-scale simulation codes using ALPAL (A Livermore Physics Applications Language)
[DE91-002783] 06 p0858 N91-14740
COOK, GREGORY BROWN
Initial data for the two-body problem of general relativity 15 p2520 N91-23965
COOK, J.
Test results of the modified space shuttle main engine at the Marshall Space Flight Center technology test bed facility 16 p2570 N91-24243
COOK, J. F.
Recent ASME Code Section 11 developments for surface examination through coatings
[DE91-014069] 20 p3329 N91-28437
COOK, J. O.
The profile data strip: A new approach to the presentation of flight progress data
[RSRE-MEMO-4460] 22 p3617 N91-30123
COOK, J. V.
User-defined data types in the State Delta Verification System (SDVS)
[AD-A236077] 19 p3227 N91-27837
The language for DENOTE (Denotational Semantics Translation Environment)
[AD-A237144] 21 p3554 N91-29750
COOK, JEFFREY
Flexural fatigue behavior of ARALL (trademark) laminates
[AD-A233451] 16 p2590 N91-24353
COOK, K.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
COOK, K. D.
Capillary liquid chromatography using laser-based and mass spectrometric detection
[DE91-004887] 10 p1496 N91-18234
COOK, M. P.
Bolted stress relaxation testing of polymeric materials
[NPL-DMM(A)-12] 12 p1915 N91-20533
COOK, M. V.
Preliminary studies for aircraft parameter estimation using modified stepwise recognition
[CRANFIELD-AERO-8911] 12 p1830 N91-20057
Application of modified stepwise regression for the estimation of aircraft stability and control parameters
[CRANFIELD-AERO-9008] 12 p1830 N91-20058
Initial review of research into the application of modified stepwise regression for the estimation of aircraft stability and control procedures
[CRANFIELD-AERO-8903] 12 p1844 N91-20135
Measurement of the longitudinal static stability and the moments of inertia of a 1/12th scale model of a B.Ae Hawk
[CRANFIELD-AERO-9009] 12 p1844 N91-20136
COOK, P. J.
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
COOK, R.
The growth of short fatigue cracks in 2024 and 2090 aluminium alloys under variable amplitude loading
02 p0223 N91-11245
The United Kingdom contribution to the AGARD fatigue-rated fastener systems program
[RAE-TR-89046] 05 p0622 N91-13451
FRAG requirements for control of fatigue testing: Second issue
[AD-A211768] 22 p3695 N91-30569
COOK, R. A.
Frequency shifts in a rubidium frequency standard due to coupling to another standard
17 p2854 N91-25778
COOK, R. B.
Analysis of southeastern Canada lake-water chemistry data in relation to acidic deposition
[DE91-014957] 20 p3371 N91-28674
COOK, R. C.
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
COOK, RICHARD I.
Cognitive consequences of clumsy automation on high workload, high consequence human performance
12 p1947 N91-20711

COOK, ROBERT B.
Acidic deposition: Its nature and impacts
[DE91-001984] 06 p0843 N91-14658
COOK, ROBERT P.
Seventh IEEE Workshop on Real-Time Operating Systems and Software
[AD-A226320] 04 p0564 N91-13130
The StarLite project
[AD-A226722] 08 p1240 N91-16837
COOK, RONALD L.
Methane conversion by solid electrolyte membranes
[PB90-226341] 01 p0063 N91-10381
COOK, RUFUS L.
Electroacoustic transducer
[AD-D014721] 12 p1890 N91-20391
COOK, W. H.
A dynamic failure model for ductile materials
[AD-A233600] 16 p2601 N91-24414
COOK, WILLIAM D.
Small capacity, low cost (Ni-H2) design concept for commercial, military, and higher-volume aerospace applications 24 p4038 N91-32565
COOKE, D. W.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
COOKE, DAVID L.
Double layers in contactor plasmas
09 p1403 N91-17723
COOKE, GARTH
Integrated Maintenance Information System (IMIS) diagnostic module redesign
[AD-A231810] 14 p2341 N91-22942
COOKE, J. D.
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511
COOKE, N.
RAE Bedford's experience of using Direct Voice Input (DVI) in the cockpit
[RAE-TM-FM-43] 12 p1889 N91-20384
COOKE, WILLIAM J.
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
COOL, TERRILL A.
The detection of the formyl radical for studies of the flame zone chemistry of solid propellants
[AD-A233302] 16 p2611 N91-24457
COOLBAUGH, M. T.
Cluster production in free-jet expansions: Chlorobenzene seeded in ammonia
[AD-A224692] 03 p0337 N91-11887
Cluster beam analysis via photoionization
[AD-A234111] 18 p2946 N91-26253
Cationic polymerization within van der Waals clusters of the form (CH2=R)n where R=CH2, CF2 and CHCH3
[AD-A234233] 18 p2946 N91-26255
COOMBE, ROBERT D.
Physical chemistry of energetic nitrogen compounds
[AD-A229480] 22 p3646 N91-30292
COOMBS, A.
HRM investigation of the structure of the sigma 5(310)/zone axes (001) symmetric tilt grain boundary in Nb
[DE91-008571] 12 p1992 N91-20964
COOMBS, DAVID J.
Real-time vergence control for binocular robots
[AD-A228817] 08 p1160 N91-16387
COOMES, E. P.
GaAs solar cells for laser power beaming
22 p3635 N91-30229
COOMES, EDMUND P.
The PEGASUS drive: A nuclear electric propulsion system for the space exploration initiative
[DE91-004734] 07 p0966 N91-15304
Exploration mission enhancements possible with power beaming
[DE91-006718] 10 p1483 N91-18176
An integrated mission approach to the space exploration initiative will ensure success
[DE91-006721] 10 p1484 N91-18177
COON, P. A.
FTIR studies reveal that silicon-containing laser-induced desorption products are surface reaction intermediates
[AD-A226582] 04 p0503 N91-12793
Comparison of hydrogen desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234633] 18 p2947 N91-26262
Comparison of H2 desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234634] 18 p2947 N91-26263
Desorption product yields following Cl2 adsorption on Si(111)7x7: Coverage and temperature dependence
[AD-A234635] 18 p2947 N91-26264
Adsorption and decomposition of diethylsilane on silicon surfaces
[AD-A234639] 18 p2948 N91-26267
COON, S. R.
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
COOPER, A. W.
Sea test development of laser altimeter
[AD-A233824] 18 p2988 N91-26498
COOPER, BARBARA H.
Charge exchange in ion-surface scattering at hyperthermal (10-100 eV) and keV energies
[AD-A235233] 18 p3059 N91-26899
COOPER, BETH A.
Noise measurements from an ejector suppressor nozzle in the NASA Lewis 9- by 15-foot low speed wind tunnel
[NASA-TM-103628] 02 p0266 N91-11493
COOPER, DAVID G.
An ultraviolet optical isolator utilizing the KDP-isomorphs
[AD-D014860] 18 p3063 N91-26923
COOPER, DAVID M.
Technologies for aerobraking
[NASA-TM-102854] 15 p2386 N91-23207
COOPER, E. A.
High Tc oxide solid state reaction kinetics via complex impedance spectroscopy
[DE90-011178] 08 p1232 N91-16792
COOPER, G.
Simulation, design, and fabrication of thin-film resistive-gate GaAs charge coupled devices
[DE91-000419] 07 p1072 N91-15902
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
COOPER, JAMES
A Motion Activated Articulating Seat (MAAS): A dynamic concept for cockpit seat design in high performance aircraft
[AD-A231698] 16 p2664 N91-24738
COOPER, JAMES A., JR.
Investigation of a new concept in semiconductor microwave oscillators
[AD-A226785] 08 p1133 N91-16235
COOPER, JILL M.
The effect of atomic oxygen on polysiloxane-polyimide for spacecraft applications in low Earth orbit
12 p1951 N91-20735
Thermal emittance enhancement of graphite-copper composites for high temperature space based radiators
[NASA-TM-105178] 21 p3485 N91-29332
COOPER, JOHN
A narrow-bandwidth unstable resonator laser cavity
[AD-D014865] 18 p2989 N91-26505
COOPER, JOHN C.
Chemical reduction of intermodulation interference caused by metal-oxide-metal junctions aboard ship
[AD-A239530] 23 p3812 N91-31265
COOPER, JOHN F.
A critical review of charged particle astronomy at Saturn: The evidence for co-orbiting material in the inner satellite system
[NASA-CR-187348] 05 p0732 N91-14090
COOPER, KENNETH, JR.
Isothermal thermogravimetric data acquisition analysis system
[NASA-CR-187171] 22 p3727 N91-30743
COOPER, LARRY R.
Advanced study institute on the science and technology of nanostructured magnetic materials
[AD-A231764] 14 p2322 N91-22825
COOPER, LEON N.
Synaptic plasticity in visual cortex: Comparison of theory with experiment
[AD-A236223] 19 p3209 N91-27738
COOPER, LEONAR Y.
A model for predicting the generation rate and distribution of products of combustion in two-layer fire environments
[PB91-107151] 09 p1307 N91-17174
COOPER, LYNNE P.
User interface issues in supporting human-computer integrated scheduling 12 p1940 N91-20673
COOPER, M. F.
The 0-G experiments with advanced ceramic fabric wick structures
[DE91-015531] 21 p3492 N91-29377
COOPER, M. I.
F-111C flight data reduction and analysis procedures
[AD-A236025] 19 p3105 N91-27153
COOPER, MATTHEW F.
Construction and testing of ceramic fabric heat pipe with water working fluid
[NASA-TM-103332] 10 p1595 N91-18799
COOPER, MICHAEL J.
Experiences with the use of axisymmetric elements in cosmic NASTRAN for static analysis
12 p1912 N91-20516
COOPER, N. G.
Los Alamos Science, Number 19, 1990
[DE91-009371] 15 p2502 N91-23855
COOPER, PAUL A.
Space Station Freedom: Dynamic instrumentation for a large space structure
[NASA-TM-102711] 09 p1353 N91-17432
IMAT graphics manual
[NASA-TM-104080] 17 p2787 N91-25421
COOPER, R. K.
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
COOPER, RANDY
High-power converters for space applications
[NASA-CR-187116] 18 p2981 N91-26461
COOPER, ROBERT
ISIS and META projects
[NASA-CR-186413] 06 p0857 N91-14731
The ISIS project: Real experience with a fault tolerant programming system
[NASA-CR-187029] 06 p0857 N91-14732
Consistent detection of global predicates
[NASA-CR-188078] 12 p1960 N91-20783
Programming with process groups: Group and multicast semantics
[NASA-CR-187975] 14 p2303 N91-22722
COOPER, ROBERT A.
Space physics missions handbook
[NASA-TM-104941] 14 p2205 N91-22183
COOPER, S. D.
Measurements of exhaled breath using a new portable sampling method
[PB90-250135] 04 p0550 N91-13053
COOPER, T. A.
Literature review: Computer aided assessment techniques for nonpoint source discharges
[AD-A236347] 19 p3187 N91-27622
COOPER, THOMAS D.
Proceedings of the 1989 Structural Integrity Program Conference
[AD-A225541] 03 p0314 N91-11757
COOPER, TOMMY G.
Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-3] 06 p0853 N91-14709
COOPERSTEIN, J. M.
An energy recovery system for a quasi-optical gyrotron
[DE91-008317] 11 p1699 N91-19357
COOPRIDER, KAREN K.
X ray computed tomography of composites
[AD-A227227] 07 p0969 N91-15322
COORAY, VERNON
Correlation between some current parameters and optical radiation generated by 280 mm long laboratory sparks 24 p4055 N91-32655
Power and energy dissipation in subsequent return strokes as predicted by a new return stroke model
24 p4056 N91-32657
Horizontal fields generated by return strokes
24 p4056 N91-32658
COPE, M. T.
Influence of heat treatment on microstructure and properties of an advanced high temperature titanium alloy
[PNR-90689] 02 p0198 N91-11107
COPE, RANDALL D.
Collision detection system
[AD-D014645] 11 p1645 N91-19072
COPELAND, P. P.
Definition study into the requirements of a data modem for the SYSCOM network
[FEL-90-A116] 05 p0699 N91-13892
Eurocom (D/1) data class 3 clock regeneration implementation
[FEL-90-A224] 07 p0995 N91-15461
COPELAND, RANDOLPH L.
Computer simulation of radiation damage in gallium arsenide 19 p3274 N91-28112
COPENHAVER, RONALD
Advanced thermally stable jet fuels development program annual report. Volume 2: Compositional factors affecting thermal degradation of jet fuels
[AD-A229693] 12 p1878 N91-20323

COPENHAVER, RONALD M.
Thermal stability of jet fuel
[DE90-016801] 01 p0032 N91-10188
COPENHAVER, WILLIAM W.
Stage effects on stalling and recovery of a high-speed 10-stage axial-flow compressor
[AD-A225662] 03 p0314 N91-11758
COPLAND, LISA
Removal of NO and NO2 from contaminated atmospheres
[AD-A227260] 08 p1194 N91-16565
COPLIN, JOHN F.
Multi industry application of advanced materials
[PNR-90764] 01 p0023 N91-10139
Engineering design: A powerful influence on the business success on manufacturing industry
[PNR-90763] 01 p0033 N91-10197
COPLIN, K. A.
Photoinduced absorption and erasable optical information storage in polyanilines
[AD-A234108] 18 p3076 N91-27002
COPPEE, J.-L.
Simulation of physico-chemical properties during the cure of thermoset systems 03 p0330 N91-11841
COPPER, CHARLES
Design of cryogenic tanks for space vehicles shell structures analytical modeling 19 p3131 N91-27296
COPPER, M.
Nuclear medicine and imaging research: Quantitative studies in radiopharmaceutical science
[DE91-015447] 23 p3898 N91-31759
COPPERSTHWAITE, D.
Auto-ignition temperatures of binary mixtures of alkanes in a closed vessel: Comparisons between experimental measurements and numerical predictions
[DE90-007856] 08 p1108 N91-16082
COPPI, B.
Nonlinear phenomena and processes in high energy plasmas 20 p3406 N91-28882
COPPI, PAOLO SEVERO
Radiative processes in active galactic nuclei
20 p3448 N91-29137
COPPOLA, A.
Developmental tests for the CARINA reentry vehicle
07 p0951 N91-15220
COPPOLA, ANTHONY
A Rome Laboratory guide to basic training in TQM analysis techniques
[AD-A233855] 18 p3075 N91-26993
Measuring the quality of knowledge work
[AD-A235354] 18 p3075 N91-26994
COPPOLA, PAOLO
The SCOS man-machine interface project
14 p2222 N91-22283
COQUEL, F.
Development of a computation code for nonequilibrium gas axisymmetric hypersonic laminar flow
[ONERA-RS-14/3637-AY] 23 p3869 N91-31585
COQUET, P.
Wound helium pressurant tank development for 2nd stage of Ariane 4 launcher 03 p0331 N91-11853
CORADINI, A.
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390
CORBELLI, E.
Energy input and HI spin temperatures in low pressure regions 05 p0747 N91-14163
CORBETT, RICHARD EWING
Studies of laser-generated plasmas relevant to soft x-ray laser research 22 p3756 N91-30936
CORBETT, W. D., JR.
Glow discharge cleaning and vacuum deposition of copper on 6061-T6 aluminum
[DE91-009510] 16 p2601 N91-24415
CORBETT, W. T.
Single event upset hardening techniques
[DE91-002337] 05 p0653 N91-13625
CORBIERE, T.
Calibration of ASIC library for radiation tolerant space applications methodology and experiment
24 p3996 N91-32334
CORBIN, JAMES E.
Development of a handbook for configuration managers with applications for the program/system in full-scale development
[AD-A229617] 24 p4114 N91-32993
CORBIN, M. J.
An Ada framework for the integration of KBS and control system simulations 17 p2733 N91-25134
CORBIN, MALCOLM
A NASA/RAE cooperation in the development of a real-time knowledge-based autopilot
[NASA-TM-104234] 24 p4090 N91-32850
CORCORAN, M. D.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
CORDA, S.
Design techniques for dual mode ram-scramjet combustors 15 p2379 N91-23166
CORDADO, E. G.
Cosmic-ray intensity increase observed on September 29, 1989: The Chilean neutron monitor data (brief report)
[IFSI-90-4] 01 p0142 N91-10838
CORDARA, FRANCO
Time and frequency comparisons in Europe by means of ECS 5 geostationary satellite
17 p2851 N91-25764
CORDELL, BRUCE M.
The potential for crustal resources on Mars
17 p2910 N91-26068
CORDEN, RICHARD O.
Oxidation and wear resistant carbon-carbon composites
[AD-A238475] 22 p3644 N91-30279
CORDES, DAVID
National launch strategy vehicle data management system 10 p1628 N91-18976
CORDES, GAIL A.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
CORDON, JOSEPH G.
Surface x ray scattering measurements of the substrate induced spatial modulation of an incommensurate adsorbed monolayer
[AD-A232625] 15 p2518 N91-23959
CORDOVA, FRANCE A.
Policy opportunities 24 p4120 N91-33029
CORE, P. W.
TDF specification
[RSRE-91005] 22 p3729 N91-30756
COREY, CARA M.
Energy and Technology Review, March 1990
[DE90-008230] 08 p1269 N91-16985
COREY, KENNETH A.
Carbon dioxide and water exchange of a soybean stand grown in the biomass production chamber
11 p1824 N91-20026
COREY, R. B.
Technology for subsystems of space-based plant growth facilities 23 p3905 N91-31799
CORIELL, S. R.
Effect of gravity modulation on solutal convection during directional solidification
[PB90-265281] 09 p1312 N91-17202
CORKE, THOMAS C.
Coupled experimental and theoretical investigations of instability, chaos and turbulence in an axisymmetric jet flow
[AD-A225971] 04 p0522 N91-12906
CORKER, KEVIN
Fault recovery recommendation
02 p0164 N91-10952
Information management 02 p0166 N91-10961
CORKILL, R. W.
Ulysses spacecraft control and monitoring software
14 p2218 N91-22261
CORLETO, C. R.
Studies of mode 1 and mode 2 delamination using a J-integral analysis and in-situ observations of fracture in the SEM
[AD-A225789] 07 p0968 N91-15316
CORLEY, D. M.
Boussinesq algorithm for enclosed bouyant convection in two dimensions
[PB91-178848] 20 p3342 N91-28507
CORNELIO, ALOYSIUS
A structure-function modeling paradigm for engineering databases 09 p1420 N91-17818
CORNELISSEN, M. P. J.
A general simulation environment for guided weapon analysis
[NLR-TP-89084-U] 22 p3623 N91-30155
Application of the PROMISE package for simulation of discrete systems
[NLR-MP-88048-U] 22 p3733 N91-30788
CORNEY, D.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292
CORNILLEAU-WEHRLIN, N.
Multipoint study of small-scale structures at the magnetopause 01 p0071 N91-10432
CORNILSEN, B. C.
Raman spectral observation of a new phase observed in nickel electrodes cycled to failure
24 p4037 N91-32556
CORNILSEN, BAHNE C.
Fundamental research on porous glass desiccants
[PB90-260530] 09 p1318 N91-17236
CORNISH, PAULINE V.
International food patterns for space food
19 p3267 N91-28068
CORNMAN, LARRY
Integration of the TDWR and LLWAS wind shear detection system 16 p2556 N91-24178
CORNUBERT, R.
A Knudsen layer theory for lattice gases
[ETN-90-97583] 01 p0042 N91-10248
CORNUEJOLS, GERARD
Mathematical programming and logical inference
[AD-A232955] 16 p2668 N91-24764
CORNWELL, TIM
Interferometry 24 p4119 N91-33022
CORPORAN, E.
The development of a liquid fueled gas generator for ducted rocket research 16 p2579 N91-24295
CORRADI, C. A.
Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626
CORREIA, LUIS R. P.
Fully coupled unsteady mobile boundary flow model (FCMOBED) 12 p1898 N91-20436
CORREIA, MANNING J.
Investigation of otolith responses using ground based vestibular research facility
[NASA-CR-187877] 09 p1371 N91-17538
CORREIA, ZITA
Bridging the communication gap: The case of the Portuguese information system for industry
17 p2876 N91-25912
CORRELL, D. L.
Physics data base for the Beam Plasma Neutron Source (BPNS)
[DE91-002796] 06 p0876 N91-14842
CORRIGAN, E.
Some aspects of quantum groups and supergroups
[DE90-777884] 08 p1212 N91-16671
CORRIGAN, ROBERT D.
Removable hand hold
[NASA-CASE-LEW-15196-1] 18 p2995 N91-26543
CORSBERG, DANIEL R.
A proven knowledge-based approach to prioritizing process information 14 p2316 N91-22791
CORSETTI, THOMAS G.
Cloud forcing: A modeling perspective
[DE91-007215] 11 p1737 N91-19551
CORSIGLIA, VICTOR R.
Forces and pressures induced on circular plates by a single lifting jet in ground effect
[NASA-TM-102816] 14 p2187 N91-22077
Small-scale experiments in STOVL ground effects
[NASA-TM-102813] 14 p2189 N91-22091
Suckdown, fountain lift, and pressures induced on several tandem jet V/STOL configurations
[NASA-TM-102817] 16 p2546 N91-24108
CORT, B.
Magnetic structures of actinide materials by pulsed neutron diffraction
[DE91-000373] 08 p1109 N91-16093
CORT, BARBARA
Electronic, structural and transport properties of (almost) rare-earth-like actinide hydrides
[DE90-016491] 01 p0130 N91-10771
CORUZZI, P.
Simulated absence of gravity impairs arterial baroreceptor control of heart rate in man
11 p1746 N91-19599
CORVO, A.
Optical properties of a nuclear reactor pumped gas laser
[DE91-009226] 13 p2091 N91-21507
Diffraction patterns produced by periodic and turbulent flowing gases including applications of photorefractive temporal filtering
[DE91-012636] 20 p3350 N91-28553
CORWIN, W. R.
Effects of irradiation on crack-arrest toughness of two high-copper welds
[DE91-007189] 11 p1682 N91-19270
Comparisons of irradiation-induced shifts in fracture toughness, crack arrest toughness, and Charpy impact energy in high-copper welds
[DE91-008881] 20 p3315 N91-28349

CORY, DAVID G.
Nuclear magnetic resonance imaging with short gradient pulses
[AD-D014910] 19 p3178 N91-27573
COS, S.
Optimization of CMOS technology and design for deep cryogenic analog circuits 24 p3991 N91-32296
COSBY, B. J.
Comparison of MAGIC and Diatom paleolimnological model hindcasts of lakewater acidification in the Adirondack region of New York
[DE91-010125] 19 p3186 N91-27616
COSBY, PHILIP C.
Ionic solid hydrogen fuel: Production and properties of hydrogen ion and energetic neutral clusters
[AD-A227683] 08 p1123 N91-16172
COSGROVE, CLAIRE
Design of the primary and secondary Pre-TRMM and TRMM ground truth sites
[NASA-CR-188755] 22 p3696 N91-30577
COSGROVE, JOSEPH E.
Epitaxial growth of single crystal diamond on silicon
[AD-A237758] 21 p3596 N91-30007
COSGROVE, PATRICK A.
Thermal-distortion analysis of a spacecraft box truss in geostationary orbit
[NASA-TP-3054] 02 p0186 N91-11041
COSGROVE, S. J.
N reasons why production-rules are insufficient models for expert system knowledge representation schemes
[AD-A236015] 19 p3226 N91-27834
COSMOVICI, C. B.
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551
COSNER, R. R.
High-speed forebody-inlet code validation experience at MCAIR 17 p2773 N91-25348
COSS, J.
The NASA Microelectronics Space Radiation Effects Program (MSREP) at the Jet Propulsion Laboratory 24 p3996 N91-32331
COSS, JAMES R.
Total-dose radiation effects data for semiconductor devices (1989 supplement)
[NASA-CR-187431] 05 p0725 N91-14049
COST, J. R.
Elastic after-effect due to oxygen relaxation in YBa2Cu3O(7-delta) above Tc
[DE91-005874] 09 p1414 N91-17783
COST, THOMAS L.
Engine Data Interpretation System (EDIS)
[NASA-CR-188061] 12 p1858 N91-20205
COSTA, JOAQUIM E. R.
Restoration of solar radio images: Evaluation of poor conditions and resolution by regularization techniques
[INPE-4557-PRE/1298] 05 p0646 N91-13587
COSTA, MARIA ALBERTINA PIERS M.
The study of ozone behavior over Brazil 17 p2806 N91-25515
COSTANTINO, M. S.
The effects of HMX particle size and binder stiffness on the burning mechanism and regression rate of a series of fast burning propellants
[DE91-015785] 21 p3494 N91-29387
COSTELLO, DANIEL J., JR.
Error control techniques for satellite and space communications
[NASA-CR-187960] 14 p2255 N91-22471
COSTELLO, J. F.
Prediction of high level vibration test results by use of available inelastic analysis techniques
[DE91-009437] 20 p3359 N91-28606
COSTER, MATTHIJS J.
Addition chain heuristics
[CWI-CS-R8945] 03 p0407 N91-12273
Some algorithms on addition chains and their complexity
[CWI-CS-R9024] 10 p1573 N91-18651
COSTES, J.-J.
Coupled aerodynamic loads due to unsteady stall on a large aspect ratio wing oscillating at great amplitude 06 p0782 N91-14338
COSTESCU, A.
Dynamic toroid polarizability of atomic hydrogen
[DE91-617732] 16 p2684 N91-24859
COTE, MICHAEL
Monitoring CAP8 and SURAP networks (SRNTN-12)
[AD-A224992] 04 p0513 N91-12854
COTE, P. J.
Unusually high fracture toughness of ASTM A723 steel from a mixed martensite/bainite microstructure
[AD-A230315] 12 p1870 N91-20274
COTHERN, STEVEN
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684
COTTER, GLADYS A.
Data policy and availability supporting global change research, development, and decision-making: An information perspective
[NASA-TM-105137] 22 p3698 N91-30592
COTTIN, CLAUDIA
Three dimensional reconstruction of closed objects by piecewise cubic triangular Bezier patches
[MATHS-MEMO-885] 10 p1572 N91-18646
COTTLE, EUGENE T.
Damping of layered beams with mixed boundary conditions
[AD-A230665] 12 p1914 N91-20530
COTTLE, RICHARD W.
Pseudo-monotone complementarity problems in Hilbert space
[DE90-016310] 01 p0113 N91-10660
Two characterizations of sufficient matrices
[AD-A230319] 12 p1956 N91-20761
COTTMAN, BRUCE H.
EXODUS: Integrating intelligent systems for launch operations support 12 p1941 N91-20681
COTTON, W. R.
Mesoscale modeling of precipitation scavenging by a cold-frontal squall line
[DE91-015534] 21 p3545 N91-29695
COTTRELL, G. A.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886
COUCH, B. D.
Shock wave/boundary layer interaction control in a generic hypersonic inlet 16 p2578 N91-24290
COUCH, W.
The Berkeley/Anglo-Australian Observatory high-redshift supernova search
[DE91-012348] 18 p3084 N91-27051
COUCH, W. A.
Designing for explosive safety: The Explosive Components Facility at Sandia National Laboratories
[DE91-006432] 11 p1652 N91-19103
COULTER, K.
Measurement of time dependent fields in high gradient superconducting quadrupoles for the Tevatron
[DE91-004975] 10 p1594 N91-18794
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
COULTER, K. P.
Recent developments in laser-driven polarized sources
[DE91-006600] 10 p1529 N91-18419
COULURIS, G. J.
Automatic dependent surveillance benefit and cost analysis
[DOT/FAA/RD-90/34] 06 p0779 N91-14320
COULURIS, GEORGE J.
Automatic dependent surveillance benefit and cost analysis: Interim study results 24 p3959 N91-32123
COUNSELMAN, C. C.
Millimeter-accuracy satellite navigation
[AD-A237736] 21 p3455 N91-29163
Origins of GPS surveying
[AD-A239676] 23 p3788 N91-31121
COUPERUS, H.
The construction of a hierarchical morphological graph for data fusion
[IZF-1990-A-38] 22 p3625 N91-30166
COUPLAND, JEREMY MICHAEL
Particle image velocimetry: Data reduction using optical correlation 22 p3673 N91-30450
COUPRY, GABRIEL
Improved reduction of gust loads data for gust intensity 18 p2928 N91-26153
COUQUE, HERVE
Characterization of mechanical damage mechanisms in ceramic and polymeric matrix composite materials
[AD-A230220] 12 p1873 N91-20294
COURAGE, WILHELMUS MARIA GERARDUS
Constitutive models for composites based on numerical micromechanics
[ISBN-90-9003733-0] 11 p1678 N91-19248
COURQUET, JOEL
Numerical model of evolution in supercooled cloud of water droplets in a case of icing 23 p3795 N91-31169
COURTIN, JEAN-PIERRE
SATEXPERT: An expert systems network for automatic spacecraft control 14 p2217 N91-22252
COURTRIGHT, E. L.
Engineering property limitations of structural ceramics and ceramic composites above 1600 C
[DE91-009105] 13 p2055 N91-21311
COURVILLE, G. E.
Thermal properties of polyisocyanurate foam board insulation blown with CFC-11 substitutes
[DE90-016047] 11 p1676 N91-19240
COURVOISIER, T. J.-L.
PKS2152-69: A misdirected Blazar 09 p1444 N91-17960
COUSINS, T.
Micro-radiography using an electron linac source and RAM memory chip detectors
[AD-A229658] 12 p1953 N91-20742
An examination of radiation-induced bit-upset patterns in semiconductor memories
[AD-A229659] 12 p1990 N91-20950
COUSTEIX, J.
Calculation of turbulent compressible flows 24 p4015 N91-32445
COUTANCEAU, MADELAINE
The development of a specific image analysis technique for exploiting flow visualization negatives
[AAAF-NT-89-26] 23 p3871 N91-31593
Numerical simulation of three dimensional unsteady flow by multiprocessor solving of the Navier-Stokes equations
[ETN-91-99974] 23 p3871 N91-31594
Automatic analysis of visualization negatives
[ETN-91-99971] 23 p3873 N91-31603
COUTLEY, RAYMOND L.
Numerical studies of compressible flow over a double-delta wing at high angles of attack
[AD-A226931] 06 p0778 N91-14312
COUTTS, T. J.
InP/Ga0.47In0.53As monolithic, two-junction, three-terminal tandem solar cells 11 p1668 N91-19191
Recent advances in the ITO/InP solar cell 11 p1670 N91-19202
Fabrication and performance analysis of 4-sq cm indium tin oxide/InP photovoltaic solar cells 22 p3631 N91-30205
Monolithic InP/Ga0.47In0.53As tandem solar cells for space 22 p3633 N91-30219
High-efficiency heteroepitaxial InP solar cells 22 p3636 N91-30230
InP concentrator solar cells for space applications 22 p3636 N91-30231
COUTURE, GUY J. E.
Asbestos-free insulant for rocket motors
[PATENT-1-263-227] 23 p3802 N91-31206
COUVERT, P.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842
COUZY, W.
A-stable parallel block methods
[CWI-NM-R8918] 02 p0257 N91-11427
COVAL, P.
Qualification strategy for multi-chip packaging for space applications 24 p3993 N91-32312
COVELL, PETER F.
Laser transit anemometer measurements on a slender cone in the Langley unitary plan wind tunnel
[NASA-TM-102775] 07 p1005 N91-15521
COVENTRY, D. H.
Estimating lightning-generated NOx emissions for regional air pollution models
[PB91-131664] 11 p1736 N91-19546
COVENTRY, DALE H.
Adaptation of the Advanced Statistical Trajectory Regional Air Pollution (ASTRAP) model to the EPA VAX computer: Modifications and testing
[PB91-127720] 13 p2113 N91-21631
COVINGTON, BILLY C.
Optical and electrical properties of thin superconducting films
[NASA-CR-188668] 19 p3246 N91-27956
COVINGTON, TATIANA
The optimum shape for a rigid rotating shell enclosing an isotropic spherical planetary mass 17 p2914 N91-26087
COVINO, A. F., JR.
Frequency response calibration of recess-mounted pressure transducers
[NASA-TM-104031] 13 p2148 N91-21834
COWAN, C. E.
Multimedia Environmental Pollutant Assessment System (MEPAS) sensitivity analysis of computer codes
[DE90-010005] 08 p1171 N91-16445
COWAN, C. F. N.
Practical identification of NARMAX models using radial basis functions
[RR-393] 07 p1060 N91-15829
COWAN, J. J.
Nuclear and astronomical constraints on the site for r-process nucleosynthesis
[DE91-016561] 24 p4122 N91-33038

COWAN, JOHN
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
COWAN, W. D.
Measurement and analysis of the microwave surface resistance in a mixed phase Y-Ba-Cu-O superconductor [AD-A230047] 12 p1986 N91-20930
COWART, J. S.
Engine knock predictions using a fully-detailed and a reduced chemical kinetic mechanism [DE90-005992] 09 p1305 N91-17162
COWELL, W. R.
On the parallelization of an adaptive multigrid algorithm for a class of flow problems [DE91-010795] 19 p3232 N91-27867
COWIE, LENNOX L.
UV-optical from space 24 p4119 N91-33021
COWLES, B. A.
Fatigue and fracture of titanium aluminides [AD-A226737] 07 p0979 N91-15374
COWLES, BRAD
Materials sub-panel 20 p3299 N91-28245
COWLES, K. A.
Site comparison for optical visibility statistics in southern Arizona 03 p0354 N91-11979
COWLES, S.
Ozone and acid-precipitation on western coniferous forests [DE90-011014] 08 p1174 N91-16462
TREE: A model of the effects of acid precipitation and air pollutants on the growth of trees [DE91-014131] 20 p3371 N91-28672
COWLEY, S. J.
The effect of small streamwise velocity distortion on the boundary layer flow over a thin flat plate with application to boundary layer stability theory [NASA-TM-103668] 11 p1702 N91-19372
COWLEY, S. W.
Hydrogen sulfide decomposition into hydrogen and sulfur by quinone cycles [PB90-270463] 09 p1307 N91-17173
COWLING, E.
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States [PB91-100164] 09 p1358 N91-17464
COX, ALAN L.
Interprocessor invocation on a NUMA multiprocessor [AD-A228930] 09 p1387 N91-17631
COX, AMANDA
International food patterns for space food 19 p3267 N91-28068
COX, B.
Operations with the special purpose dextrous manipulator on Space Station Freedom 12 p1938 N91-20659
COX, B. N.
International Conference on Mechanical Fatigue of Advanced Materials [AD-A233545] 16 p2590 N91-24354
COX, BRIAN N.
The microscopic origins of toughness and impact resistance in metal-reinforced ceramics [AD-A228610] 09 p1318 N91-17235
COX, CARL M.
SP-100 design, safety, and testing [DE90-015374] 09 p1398 N91-17693
COX, CARY
Analysis of wideband beamformers designed with artificial neural networks [AD-A231668] 14 p2259 N91-22499
COX, D. F.
Influence of surface defects and local structure on oxygenate reaction pathways over metal oxide surfaces [DE91-016600] 23 p3816 N91-31289
COX, HENDRICUS LAMBERTUS HUBERTUS
Estimation of macro velocity models by wave field extrapolation [ISBN-90-9003926-0] 17 p2859 N91-25812
COX, J. N.
FTIR (Fourier Transform Infrared) spectrophotometry for thin film monitors: Computer and equipment integration for enhanced capabilities [DE91-001228] 06 p0879 N91-14853
COX, L. B.
Recent advances with quiescent power supply current (I(sub DDQ)) testing at Sandia using the HP82000 [DE91-009254] 15 p2416 N91-23382
COX, LAWRENCE E.
Electronic, structural and transport properties of (almost) rare-earth-like actinide hydrides [DE90-016491] 01 p0130 N91-10771
COX, M. E.
Developments to enhance meteorological forecasting for air traffic services 02 p0177 N91-11006
COX, M. G.
Software management guidelines for automated measuring systems [NPL-DES-99] 05 p0704 N91-13926
COX, P.
A survey for PAH emission in H II regions, planetary and proto-planetary nebulae 06 p0890 N91-14920
COX, S. K.
Monitoring the response of the upper troposphere/lower stratosphere to a greenhouse gas scenario [DE91-007976] 11 p1795 N91-19541
COX, STEPHEN K.
Comparison of NOAA-9 ERBE measurements with Cirrus IFO satellite and aircraft measurements 01 p0079 N91-10471
Radiative properties of Cirrus clouds: FIRE IFO case October 28, 1986 01 p0081 N91-10479
Temperature sensitivity of Eppley broadband radiometers 01 p0082 N91-10484
Analysis of tethered balloon, ceilometer and class sounding data taken on San Nicolas Island during the FIRE project 01 p0083 N91-10492
Analysis of tethered balloon data from San Nicolas Island on 8 July 1987 01 p0088 N91-10517
San Nicolas Island surface radiation-meteorology data 01 p0091 N91-10531
COX, STEVEN
Parallel optimization and inverse problems [AD-A233371] 16 p2613 N91-24467
COX, W. J.
Automatic barometric updates from ground-based navigational aids [AD-A230508] 12 p1832 N91-20069
COY, EDWARD
Droplet-turbulence interactions in subcritical and supercritical evaporating sprays 20 p3296 N91-28228
COY, J. J.
Maximum life spur gear design [NASA-TM-104361] 15 p2439 N91-23514
Analytical and experimental study of vibrations in a gear transmission [NASA-TM-104434] 17 p2782 N91-25395
COY, JOHN J.
Overview of rotorcraft and general aviation propulsion technology 12 p1840 N91-20112
COYLE, D. BARRY
Design of a high-gain laser diode-array pumped Nd:YAG Alternating Precessive Slab Amplifier (APS-Amplifier) [NASA-CR-183476] 12 p1904 N91-20472
COYLE, J. M.
An extension of mesh equidistribution to time-dependent partial differential equations [AD-A239579] 23 p3922 N91-31913
COYLE, MARSHALL F.
Experimental study of the viscoplastic response of high temperature structures 19 p3131 N91-27297
COYNE, G. V.
Multicolor optical polarimetry of reddened stars in the small Magellanic cloud 06 p0902 N91-14986
COYNE, J. T.
Effect of a passive cooling vest on tension/anxiety and fatigue in a high heat and high humidity naval environment [AD-A234657] 18 p3035 N91-26755
COYNE, JOHN FRANCIS
The role of organic impurity adsorption on the precipitation of alumina trihydrate 09 p1307 N91-17170
COYNER, KARL B.
Physical property measurements on analog granites related to the joint verification experiment [AD-A230571] 13 p2116 N91-21650
COZAD, D. R.
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 1: Human interface CSCI [AD-A231752] 14 p2305 N91-22737
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 2: Data management CSCI [AD-A231753] 14 p2305 N91-22738
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 3: Business graphics CSCI [AD-A231754] 14 p2305 N91-22739
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 7: Internal processing CSCI [AD-A231755] 14 p2306 N91-22740
COZZATTI, J. P.
Getting water from the water of hydration on Mars 17 p2911 N91-26072
COZZOLINO, C.
Ion mixing of semiconductor superlattices [DE90-017769] 02 p0279 N91-11569
CRABTREE, G. W.
Critical current densities in neutron irradiated high-T(sub c) single crystals [DE90-017794] 03 p0421 N91-12355
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal [DE91-005199] 09 p1411 N91-17766
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals [DE91-006019] 09 p1414 N91-17784
De Haas-van Alphen and Fermi surface studies of organic superconductors (ET)2X [DE91-015137] 21 p3593 N91-29987
Low temperature flux creep in high-T(sub c) superconductors [DE91-015193] 21 p3593 N91-29988
Scaling behavior of the fluctuations in magnetization and conductivity of untwinned YBa2Cu3O(7-delta) [DE91-016524] 24 p4110 N91-32967
Flux pinning by planar defects in single crystal YBa2Cu3O(7-delta) [DE91-016525] 24 p4110 N91-32968
Magnetic relaxation of the organic superconductor kappa-(BEDT-TTF)2Cu(N(CN)2)Br [DE91-016528] 24 p4110 N91-32969
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x) [DE91-017997] 24 p4113 N91-32989
CRABTREE, R. B.
Evaluating the effectiveness of active noise reduction in flight helmets [DCIEM-88-RR-34] 22 p3751 N91-30906
CRAFT, LEROY H.
Total-dose radiation effects data for semiconductor devices (1989 supplement) [NASA-CR-187431] 05 p0725 N91-14049
CRAGG, D.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292
CRAIG, ALAN
Proceedings of the First Workshop on 3-D Optical Memories [AD-A234732] 18 p3076 N91-27003
CRAIG, C. A.
Revised reference model for nitric acid 19 p3190 N91-27638
CRAIG, F. G.
A knowledge-based approach to configuration layout, justification, and documentation 12 p1943 N91-20690
CRAIG, JAMES I.
Use of system identification techniques for improving airframe finite element models using test data [NASA-CR-188041] 11 p1777 N91-19750
CRAIG, R. R.
Diode laser scaling using unconventional adaptive optics [AD-A233060] 16 p2689 N91-24884
CRAIG, ROY R., JR.
A decentralized linear quadratic control design method for flexible structures [NASA-CR-187860] 08 p1103 N91-16059
Test and analysis procedures for updating math models of Space Shuttle payloads [NASA-CR-185987] 19 p3110 N91-27181
CRAIG, WILLIAM W.
The design and construction of an Automated Multi-Object Spectroscopy system (AMOS) [DE90-011497] 08 p1109 N91-16088
CRAIN, JEFFREY SCOTT
Fundamental characteristics and applications of an inductively coupled plasma as an ion source for mass spectrometry [DE90-011746] 08 p1228 N91-16770
CRAIN, WILLIAM K.
External tank aerothermal design criteria verification, volume 1 [NASA-CR-183996] 02 p0185 N91-11037
External tank aerothermal design criteria verification, volume 2 [NASA-CR-183997] 02 p0185 N91-11038
CRAISE, L. M
Chromosomal changes in cultured human epithelial cells transformed by low- and high-LET radiation [DE91-013772] 20 p3379 N91-28720
CRAM, D. J.
Multiheteromacrocycles that complex metal ions [DE91-016292] 24 p3975 N91-32205
CRAM, JENNIFER MARY
Numerical simulation and analysis of the propagation of a prefrontal squall line 22 p3709 N91-30644
CRAMER, P. W.
Initial studies of array feeds for the 70-meter antenna at 32 GHz 10 p1511 N91-18313

CRANDALL, M. G.
Some problems in nonlinear analysis
[AD-A236246] 19 p3236 N91-27893
CRANDALL, MICHAEL G.
Some problems in nonlinear analysis
[AD-A232701] 15 p2495 N91-23820
CRANE, CHARLES R.
Inhalation toxicology 10 times to incapacitation for rats exposed continuously to carbon monoxide, acrolein, and to carbon monoxide-acrolein mixtures
[AD-A230639] 12 p1928 N91-20607
CRANE, J. ALLEN
Compliant walker
[NASA-CASE-GSC-13348-2] 21 p3548 N91-29714
CRANE, J. K.
The theory of temporal compression of intense pulses in a metal vapor
[DE91-005059] 13 p2091 N91-21509
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511
CRANE, ROBERT
Ice-atmosphere interactions in the polar oceans
19 p3182 N91-27598
CRANE, ROBERT K.
The 5/15 GHz scattering study
[AD-A236350] 19 p3151 N91-27415
Tropospheric scatter propagation at 5 and 16 GHz: Results for a 161 km path
[AD-A237012] 20 p3333 N91-28458
CRANE, ROGER M.
Load bearing connective damper
[AD-D014676] 11 p1720 N91-19468
Vibration damping response of composite materials
[AD-A235614] 19 p3118 N91-27227
CRANNELL, CAROL
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
CRAPO, J. D.
Structure of the gas exchange region of the lungs determined by three-dimensional reconstructions
[PB91-133017] 12 p1928 N91-20609
CRARY, DAVID JAMES
EXAM: A search for extragalactic antimatter
24 p4121 N91-33035
CRASEMANN, BERND
Energetic x ray processes in atoms
[AD-A224997] 04 p0580 N91-13233
CRATCH, P.
Functional baseline specification for ATC data link service implementation in the host computer system
[DOT/FAA/CT-91/12] 18 p2976 N91-26433
CRATCH, PRESTON
Controller evaluation of initial data link en route air traffic control services: Mini study 3
[DOT/FAA/CT-91/11] 19 p3149 N91-27404
CRAVEN, D. A.
A demonstration of an aircraft navigator's moving map display
[AD-A236833] 19 p3104 N91-27148
Programmable cockpit: Inter-computer communications and data flow
[AD-A236028] 19 p3105 N91-27154
CRAVEN, JEFFERY D.
A simulated lightning effects test facility for testing live and inert missiles and components
24 p4068 N91-32725
CRAVEN, KELLY J.
Model adherend surface effects on epoxy cure reactions
[AD-A230710] 12 p1876 N91-20310
CRAVEN, P.
Properties of large scale plasma flow during the early stage of the plasmaspheric refilling
[NASA-TM-103446] 01 p0073 N91-10441
CRAVENS, DENNIS J.
Electric propulsion study
[AD-A227121] 06 p0822 N91-14545
CRAVEY, W. R.
A hybrid pulse forming technique
[DE90-016860] 02 p0207 N91-11156
Performance of a 10 kV, 625 kA, 85 kJ energy discharge module utilizing a solid dielectric switch
[DE91-017432] 24 p4008 N91-32409
CRAWFIS, R. A.
PHIGS PLUS for scientific graphics
[DE91-007615] 11 p1777 N91-19747
A scientific visualization synthesizer
[DE91-012877] 23 p3908 N91-31815
CRAWFIS, ROGER
Area and volume coherence for efficient visualization of 3D scalar functions
[DE90-012994] 07 p1049 N91-15760
CRAWFORD, BARD S.
Evaluation and validation guidebook, version 3.0
[AD-A236494] 19 p3230 N91-27853
CRAWFORD, F.
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
CRAWFORD, J.
Laboratory simulation of high-altitude disruptive effects
10 p1553 N91-18542
CRAWFORD, MARK R.
The handling qualities of the STOL and maneuver technology demonstrator from specification to flight test
15 p2371 N91-23117
CRAWFORD, P. C.
Performance evaluation of insensitive explosives
[DE91-015767] 23 p3821 N91-31315
CRAWFORD, R.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671
CRAWFORD, R. A.
Potential application of magnetohydrodynamic acceleration to hypersonic environmental testing
[AD-A225678] 04 p0585 N91-13263
CRAWFORD, R. R.
Identification of flow and volume parameters in multizone systems using a single gas tracer technique
[DE91-006894] 11 p1701 N91-19368
CREAGER, GERALD J.
Venipuncture and intravenous infusion access during zero-gravity flight 24 p4079 N91-32788
CREAGER, M.
An improved approach for flight readiness assessment
[NASA-CR-187809] 07 p1014 N91-15566
CREAGER, N. A.
Surface cleaning by laser ablation
[DE91-009189] 13 p2091 N91-21505
CREAMER, J. E.
Contract crystal growth and fabrication services
[AD-A225381] 03 p0425 N91-12378
CREASEY, RICHARD
Influence on spacecraft control systems of evolving O/B technology and standards 14 p2214 N91-22234
CREASY, SUSAN L.
Payload accommodations. Avionics payload support architecture 09 p1282 N91-17046
CREDEUR, LEONARD
A description and evaluation of TIMER: A time-based terminal flow-control concept 02 p0175 N91-10996
CREED, D.
Photodegradation of polyimides. Part 4: Mechanism for the photooxidation process based on a model compound
[AD-A236198] 19 p3141 N91-27356
CREIGHTON, J. R.
The surface chemistry of GaAs atomic layer epitaxy
[DE91-014112] 20 p3433 N91-29047
CREISMEAS, PAUL
Numerical model of evolution in supercooled cloud of water droplets in a case of icing
23 p3795 N91-31169
CRENSHAW, A.
Transcapillary fluid shifts in head and neck tissues during and after simulated microgravity
[NASA-TM-103847] 15 p2474 N91-23704
CRENSHAW, B. M.
Landing gear improvements for transport aircraft
20 p3284 N91-28159
CRENSHAW, T. B.
Effects of sample size and loading rate on the transition behavior of a DCI alloy
[DE91-012015] 20 p3314 N91-28346
CRESCIMANNO, M. J.
Topics in low-dimensional field theory
[DE91-013784] 20 p3436 N91-29062
CRESPODASILVA, MARCELO R.
Response and stability analysis of helicopter rotor blades using computerized symbolic manipulation
[AD-A238660] 21 p3457 N91-29175
CRESSEY, G.
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011
CRESWICK, F. A.
Meetings to share advancements in heat pump technologies
[DE90-010008] 08 p1137 N91-16257
CRETENOT, DIDIER
Waste destruction by plasma
[REPT-911-430-123] 17 p2865 N91-25842
CREUZET, G.
High temperature superconducting thin films for microelectronics: Preparation and properties
05 p0722 N91-14033
CREVEL, P.
Calibration of ASIC library for radiation tolerant space applications methodology and experiment
24 p3996 N91-32334
Radiation tolerant 1 micron CMOS technology
24 p3996 N91-32335
CREWS, J. H., JR.
Fracture mechanics analysis for various fiber/matrix interface loadings
[NASA-TM-104049] 10 p1494 N91-18223
Nonlinear analysis and redesign of the mixed-mode bending delamination test
[NASA-TM-102777] 11 p1722 N91-19482
CREWS, JOHN H., JR.
Delamination test apparatus and method
[NASA-CASE-LAR-13985-1] 06 p0803 N91-14430
CREZE, M.
Classification of IUE low-dispersion stellar spectra
09 p1447 N91-17980
CRIM, F. F.
Spectroscopy, reaction, and photodissociation of highly vibrationally excited molecules
[DE91-008840] 14 p2325 N91-22847
CRIM, G.
NASA-LaRc Flight-Critical Digital Systems Technology Workshop
[NASA-CP-10028] 16 p2560 N91-24200
CRIMINALE, W. O.
Analytical and numerical studies in flow development
[DE90-010424] 08 p1137 N91-16258
An alternative approach to disturbances in boundary layers
[DE91-005594] 10 p1522 N91-18382
General three-dimensional disturbances to inviscid Couette flow
[DE91-009593] 13 p2082 N91-21474
CRIMMINS, JOHN H., JR.
System improvements identified by the North Atlantic Systems Planning Group (NAT/SPG) as related to the capabilities of the Oceanic Display and Planning System (ODAPS) 24 p3957 N91-32109
CRIST, C. E.
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
CRISTENSEN, C. P.
Quasi-CW excimer laser, phase 2
[AD-A234771] 18 p2990 N91-26509
CRISWELL, D. R.
Bibliographic search of the literature on lunar processing 17 p2750 N91-25218
CRISWELL, DAVID R.
Production of solar photovoltaic cells on the Moon
17 p2905 N91-26044
CRITCHLEY, I.
Cold weather ignition characteristics of advanced small gas turbine combustion systems
23 p3792 N91-31152
CRITTENDEN, E. C., JR.
Sea test development of laser altimeter
[AD-A233824] 18 p2988 N91-26498
CROALL, CATHARINE I.
The mechanical stability of polyimide films at high pH
[NASA-TM-102726] 03 p0343 N91-11920
CROCKER, D. S.
In-space experiment on thermoacoustic convection heat transfer phenomenon-experiment definition
[NASA-CR-187070] 11 p1703 N91-19378
CROCKER, N.
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960
CROCKETT, CARL E.
An evolution operator solution for a nonlinear beam equation
[AD-A230533] 12 p1971 N91-20841
CROCKETT, THOMAS W.
A parallel rendering algorithm for MIMD architectures
[NASA-CR-187571] 18 p3038 N91-26767
CROELL, A.
Results of crystal growth experiments in space
14 p2333 N91-22891
Growth of a Si crystal covered with a SiO2 skin (TEXUS 12) 23 p3835 N91-31385
CROESSMANN, C. D.
Theoretical analysis of a runaway electron suppression device
[DE90-015992] 01 p0125 N91-10737
Modeling of runaway electron damage for the design of tokamak plasma facing components
[DE90-008237] 09 p1399 N91-17704

CROFT, M.
Magnetic properties of the electron-doped superconductor Nd(2-x)Ce(x)CuO(4-delta)
[AD-A225050] 03 p0423 N91-12365
CROFT, W. B.
Northeast Artificial Intelligence Consortium (NAIC). Volume 6: Building an intelligent assistant: The acquisition, integration, and maintenance of complex distributed tasks
[AD-A234885] 18 p3046 N91-26820
Northeast Artificial Intelligence Consortium (NAIC). Volume 14: Knowledge base retrieval using plausible inference
[AD-A234893] 18 p3048 N91-26828
Retrieval using plausible inference
[AD-A235015] 18 p3077 N91-27006
CROFTON, P. S. J.
Fatigue of compound cylinders
[AD-A227323] 07 p1015 N91-15571
CROFTS, DAVID
The performance of cable braids and terminations to lightning induced transients 24 p4048 N91-32611
Lightning protection of full authority digital electronic systems 24 p4053 N91-32643
CROI, WILLIBALD
Automatic land-use classification using LANDSAT-5 thematic mapper data in a region of the Itzehoer Geest. An attempt to improve mapping by combination with panchromatic SPOT data
[DLR-FB-90-47] 24 p4035 N91-32542
CROLL, JOHN B.
Commonwealth Advisory Aeronautical Research Council. First Canadian newsletter on systems, 1989
[NAE-LTR-FR-108] 21 p3451 N91-29139
Flight evaluation of complex approaches in a Twin Otter aircraft using a microwave landing system
[NAE-LTR-FR-114] 21 p3454 N91-29159
CROLL, R. H.
The development of a ram air decelerator for the recovery of artillery shells
[DE91-007732] 11 p1643 N91-19064
CROMACK, K.
Light induced electron spin resonance in polyaniline
[AD-A233847] 18 p2959 N91-26331
CRONAN, TERRY A.
Smoking, exercise, and physical fitness
[AD-A234658] 18 p3028 N91-26717
CRONIN-GOLOMB, MARK
Photorefractive nonlinear optics
[AD-A233468] 16 p2690 N91-24890
CRONIN, J. R.
Stable hydrogen and carbon isotope ratios of extractable hydrocarbons in the Murchison meteorite 11 p1821 N91-20006
CRONIN, JAMES
Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017
Particle astrophysics 24 p4120 N91-33024
CRONJAEGER, STEFAN
Numerical examinations of Kelvin-Helmholtz instability in resistive compressible magnetohydrodynamics
[MPE-221] 08 p1230 N91-16782
CROOK, ANDREW J.
Investigation of advanced counterrotation blade configuration concepts for high speed turboprop systems. Task 3: Advanced fan section grid generator final report and computer program user's manual
[NASA-CR-187129] 24 p3961 N91-32138
CROONQUIST, A. P.
Drop evaporation in a single-axis acoustic levitator 13 p2063 N91-21356
CROPLEY, C. C.
Corrosion-resistant catalyst supports for phosphoric acid fuel cells
[DE91-001713] 05 p0682 N91-13794
CROPP, L. O.
Mass and performance estimates for 5 to 1000 kW(e) nuclear reactor power systems for space applications
[DE91-010319] 16 p2687 N91-24875
CROPPER, K. R.
Fatigue crack propagation of coplanar semi-elliptical cracks in pure bending
[PNR-90742] 01 p0057 N91-10337
CROSBIE, G. M.
Synthesis of high purity sinterable Si3N4 powders
[DE91-005637] 10 p1502 N91-18268
CROSIAR, C.
Satellite cloud analyses: A nowcasting capability for the US Navy's TESS(3)
[AD-A231120] 13 p2122 N91-21676
Tactical Environmental Support System (TESS(3)) satellite cloud analyses
[AD-A231247] 13 p2122 N91-21681
CROSIER, RONALD B.
Symmetry and design in mixture experiments
[AD-A226760] 08 p1122 N91-16169
CROSLEY, D. R.
Laser probes of natural gas ignition chemistry
[PB91-127993] 13 p2047 N91-21262
CROSLEY, JOHN K.
Visual and field-of-view evaluation of the M-43 protective mask with prescription eyepieces
[AD-A234592] 18 p3035 N91-26754
CROSS, C.
Review of uncertainties in the use of NPL primary standards of x ray exposure for the calibration of secondary standards in terms of exposure and air kerma
[NPL-RS(EXT)-109] 05 p0694 N91-13868
CROSS, ELDON R.
Dual-purpose self-deliverable lunar surface PV electrical power system 11 p1669 N91-19200
CROSS, GEORGE R.
TDRSS momentum unload planning 14 p2312 N91-22771
CROSS, J. B.
Characteristics of oxide layer grown on gallium arsenide using 2.8 eV translational energy atomic oxygen
[DE91-004865] 07 p1073 N91-15908
A comparison of ground-based and space flight data: Atomic oxygen reactions with boron nitride and silicon nitride
[NASA-TM-103385] 10 p1555 N91-18550
Atomic oxygen effects on boron nitride and silicon nitride: A comparison of ground based and space flight data 11 p1660 N91-19146
Atomic oxygen degradation of Intelsat 4-type solar array interconnects: Laboratory investigations
[NASA-TM-102175] 13 p2051 N91-21286
CROSS, JAMES E.
Analysis of parking orbits for a STS external tank in low Earth orbit
[AD-A230530] 12 p1851 N91-20173
CROSS, JAMES H., II
GRASP/Ada (Graphical Representations of Algorithms, Structures, and Processes for Ada): The development of a program analysis environment for Ada. Reverse engineering tools for Ada, task 1, phase 2
[NASA-CR-186940] 04 p0556 N91-13083
GRASP/Ada: Graphical Representations of Algorithms, Structures, and Processes for Ada. The development of a program analysis environment for Ada: Reverse engineering tools for Ada, task 2, phase 3
[NASA-CR-187982] 14 p2303 N91-22723
CROSS, JEFFREY L.
Tabulation of data from the tip aerodynamics and acoustics test
[NASA-TM-102280] 06 p0771 N91-14273
CROSS, JOHN A.
Support materials for the software technical review process
[AD-A236122] 19 p3228 N91-27843
CROSS, JOHN H.
Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] 05 p0693 N91-13860
CROSS, JON
Method for anisotropic etching in the manufacture of semiconductor devices
[NASA-CASE-MSC-21631-1] 24 p4106 N91-32947
CROSS, JOSEPH P.
Design and certification of aircraft for the HERF environment 04 p0461 N91-12575
CROSS, KENNETH D.
Research and methods for simulation design: State of the art
[AD-A230076] 12 p1930 N91-20623
CROSS, L. E.
New materials and new techniques for imaging of long wavelength IR radiation
[AD-A231086] 13 p2155 N91-21877
Piezoelectric and electrostrictive materials for transducer applications, volume 1
[AD-A236219] 19 p3158 N91-27458
Piezoelectric and electrostrictive materials for transducer applications, volume 2
[AD-A236220] 19 p3158 N91-27459
CROSS, MICHAEL THOMAS
Aluminum nitride-silicon carbide whisker composites: Processing, properties, and microstructural stability
[DE91-001907] 06 p0802 N91-14425
CROSS, S. A.
A methodology for producing validated real-time expert systems 17 p2733 N91-25131
CROSS, VALERIE
Machine intelligence and threat identification systems
[AD-A227531] 07 p1055 N91-15794
CROSSLAND, P.
Component local velocities of a ship along a defined axis
[ARE-TM(UHR)-91305] 24 p4012 N91-32424
CROSSLEY, EDWARD A.
Linear mass actuator
[NASA-CASE-LAR-14352-1] 24 p4028 N91-32511
CROSSLEY, J.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671
CROSSLIN, ROBERT L.
The cost of information systems modernization: A comparison of options for life-cycle project management systems
[AD-A230675] 12 p1999 N91-21001
CROSSMAN, J. W.
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649
CROSSMAN, KAREN P.
Novel chemical and optical diagnostic techniques
[AD-A235587] 19 p3124 N91-27256
CROSSWY, F. L.
Aero-optics measurement system for the AEDC aero-optics test facility
[AD-A232852] 15 p2510 N91-23908
CROSWELL, KEN
A search for distant stars in the Milky Way Galaxy's halo and thick disk 22 p3771 N91-31027
CROTINGER, J. A.
Detection of coherent structures in the edge of the TEXT tokamak plasma
[DE91-015183] 21 p3588 N91-29958
CROUCH-BAKER, S.
Containerless synthesis of ceramic materials using microwave heating 13 p2063 N91-21360
CROUCH, K.
Variable air flow eddy control
[PB90-243742] 09 p1332 N91-17316
CROUCH, PETER E.
Computations involving differential operators and their actions on functions 20 p3391 N91-28789
CROUSE, KEN
GERM as a tool for space station documentation 13 p2166 N91-21950
CROUT, R. L.
Sea ice lead statistics from satellite imagery of the Lincoln Sea during the iceshelf acoustic exercise, Spring, 1990
[AD-A228735] 09 p1369 N91-17525
CROUTE, F.
Human dermal fibroblast sensitivity to hypergravity 11 p1751 N91-19630
CROVISIER, J.
Observations of parent molecules in comets P/Brorsen-Metcalf (1989o), Austin (1989c1) and Levy (1990c) at millimetre wavelengths: HCN, H2S, H2CO and CH3OH 10 p1621 N91-18944
OH radio observations of comets P/Brorsen-Metcalf (1989o), Okazaki-Levy-Rudenko (1989r), Aarseth-Brewington (1989a1), and Austin (1989c1) at the Nancay radio telescope 12 p2004 N91-21028
Millimetre observations of comets P/Brorsen-Metcalf (1989o) and Austin (1989c1) with the IRAM 30-m radio telescope 12 p2004 N91-21029
CROVISIER, JACQUES
Submillimetre observations of solar-system objects 13 p2179 N91-22037
CROW, J. E.
Copper NMR and hole depletion in the normal state of Y(1-x)Pr(x)Ba2Cu3O7
[DE90-016468] 01 p0130 N91-10768
CROW, JUDITH
Evaluation of an expert system for fault detection, isolation, and recovery in the manned maneuvering unit
[NASA-CR-187466] 09 p1384 N91-17613
CROWELL, CYNTHIA A.
Aerodynamic effect of strakes on two-dimensional tail boom models of the OH-58A and the OH-58D helicopters
[NASA-TM-4248] 05 p0614 N91-13406
CROWELL, PETER G.
TRIMIX: A vorticity-stream function approach to calculating three-dimensional mixing for viscous, parabolic flows
[AD-A225817] 04 p0522 N91-12904
CROWLEY, GEOFFREY
Digisonde at sondrestrom to monitor the ionospheric polar cap and cusp region
[AD-A230705] 12 p1924 N91-20584
CROWLEY, JOHN S.
Human factors of night vision devices: Anecdotes from the field concerning visual illusions and other effects
[AD-A237641] 21 p3552 N91-29735
CROWLEY, T. P.
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
Dispersion relations of density fluctuations observed by heavy ion beam probe in the TEXT tokamak
[DE91-010422] 14 p2328 N91-22866

Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918

CROWLEY, THOMAS J.
Testing the sun-climate connection with paleoclimate data 03 p0441 N91-12468

CROWLEY, W. P.
Energy generation by a shock crossing a perturbed interface
[DE91-015678] 21 p3517 N91-29530

CROWN, JOHN S.
A goodness-of-fit test for a family of two parameter Weibulls with known shape using minimum distance estimation of parameters
[AD-A238633] 21 p3570 N91-29847

CROWSON, A.
PRODIS: Station and product generation control for ERS-1 14 p2211 N91-22215

CROWTHER, H. G.
Severe thunderstorm cases of July 1989 thru June 1990
[PB91-201392] 24 p4070 N91-32738

CROZER, E. A.
ECC ozonesonde observations at South Pole, Antarctica during 1989
[PB90-258914] 02 p0233 N91-11302

CRUIJSSEN, H. J.
Solar array qualification through qualified analysis 16 p2646 N91-24651

CRUIKSHANK, D. P.
The 2.5 to 5.0 micrometer spectral of Io: Evidence for H2S and H2O frozen in SO2 10 p1623 N91-18955
Pre-encounter observations of 951 Gaspra 17 p2897 N91-26010

CRUIKSHANK, DALE P.
Planetary astronomy 24 p4120 N91-33027

CRUM, LAWRENCE A.
An experimental investigation of acoustic cavitation in gaseous liquids
[AD-A230033] 12 p1895 N91-20423
FY 1989 acoustics research
[AD-A231499] 13 p2149 N91-21840

CRUME, E. C.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536

CRUME, E. C., JR.
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856

CRUMP, J. E.
Stability testing of full scale tactical motors 16 p2577 N91-24281
Nonlinear stability testing and pulsing of full scale tactical motors 16 p2577 N91-24282

CRUMP, JAMES RAYMOND
A drag analysis of the early stages of large-scale high-altitude free balloon ascents 17 p2728 N91-25108

CRUMP, O. B., JR.
Simplified Velocity Interferometer System for Any Reflector (VISAR) system
[DE91-000024] 03 p0370 N91-12073

CRUSE, T. A.
Mechanical testing of advanced coating system, volume 1
[NASA-CR-186725] 05 p0637 N91-13534
Fatigue testing of plasma-sprayed thermal barrier coatings, volume 2
[NASA-CR-186726] 05 p0638 N91-13535
Probabilistic structural analysis methods for select space propulsion system components 16 p2585 N91-24327
Probabilistic boundary element method 16 p2586 N91-24329
Probability approach for strength calculations 16 p2646 N91-24652

CRUTCHER, E. RUSS
Migration and generation of contaminants from launch through recovery: LDEF case history 16 p2706 N91-24977
LDEF contaminants analysis data 16 p2707 N91-24978
Results of examination of silvered Teflon from the Long Duration Exposure Facility 16 p2716 N91-25032
Results from analysis of Boeing composite specimens flown on LDEF experiment M0003 16 p2718 N91-25050

CRUTCHER, RICHARD M.
Computing and data processing 24 p4120 N91-33028

CRUZ, CHRISTOPHER I.
Hypersonic vehicle simulation model: Winged-cone configuration
[NASA-TM-102610] 04 p0487 N91-12705
Parametric trade studies on a Shuttle 2 launch system architecture
[NASA-TP-3059] 10 p1484 N91-18180

CRUZ, J. E.
NIST calibration procedure for vertically polarized monopole antennas 30 kHz to 300 MHz
[PB91-185124] 21 p3501 N91-29432

CRUZ, JONATHAN N.
Pre-integrated structures for Space Station Freedom
[NASA-TM-102780] 13 p2039 N91-21214

CRUZGATTO, RUBENS
Telemetry processing and displaying software for the Brazilian complete space mission 14 p2209 N91-22198

CSANADY, G. T.
Wavelets and turbulence on the sea surface
[AD-A229862] 11 p1740 N91-19565

CSEPREGI, L.
Anisotropic etching of crystalline silicon in alkaline solutions. Part 1: Orientation dependence and behavior of passivation layers
[MBB-Z-0311-89-PUB-1-PT-1] 03 p0339 N91-11902
Anisotropic etching of crystalline silicon in alkaline solutions. Part 2: Influence of dopants
[MBB-Z-0311-89-PUB-2-PT-2] 03 p0339 N91-11903

CSIGE, I.
Charged particle LET-spectra measurements aboard LDEF 16 p2709 N91-24989
Radiation exposure of LDEF: Initial results 16 p2709 N91-24993

CSISZARIK, MICHAEL VICTOR
A gauge-theoretical approach to mechanical systems 17 p2783 N91-25398

CSOMOR, A.
Advanced Launch System propulsion focused technology liquid methane turbopump technical implementation plan
[NASA-CR-183681] 16 p2614 N91-24471

CUBBAGE, JAMES M.
A parametric experimental investigation of a scramjet nozzle at Mach 6 with Freon and argon or air used for exhaust simulation
[NASA-TP-3048] 09 p1271 N91-16990

CUBITT, R.
Neutron diffraction by the flux lattice in high-Tc superconductors
[DE91-017866] 24 p4009 N91-32418
Neutron scattering from the flux lattice in high temperature superconductors
[DE91-017947] 24 p4009 N91-32419

CUCCHIARO, A.
IAL space facilities for thermal vacuum testing 07 p0952 N91-15234
ISO optical cryogenic tests in the IAL space FOCAL-5 facility 07 p0952 N91-15235
IAL SPACE: A test laboratory for the ISO cryogenic payload 11 p1659 N91-19142
The space simulation facilities at IAL SPACE 11 p1661 N91-19151

CUCINOTTA, FRANCIS A.
Inclusive inelastic scattering of heavy ions and nuclear correlations
[NASA-TP-3026] 05 p0714 N91-13985
Cellular track model of biological damage to mammalian cell cultures from galactic cosmic rays
[NASA-TP-3055] 08 p1268 N91-16981
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
Corrections to the participant-spectator model of high-energy alpha-particle fragmentation
[NASA-TM-4262] 13 p2152 N91-21860
Improvements in computational accuracy of BRYNTRN (a baryon transport code)
[NASA-TP-3093] 14 p2354 N91-23017
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
Analyses of risks associated with radiation exposure from past major solar particle events
[NASA-TP-3137] 22 p3776 N91-31061

CUDDIHY, EDWARD F.
Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU] 19 p3256 N91-28014

CUDZINOVIC, M.
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960

CUE, R. W.
Climatic considerations in the life cycle management of the CF-18 engine 23 p3793 N91-31158

CUELLAR, JOHN P., JR.
Advanced thermally stable jet fuels development program annual report. Volume 3: Fuel lubricity
[AD-A232793] 16 p2610 N91-24453

CUEVAS, A.
High-efficiency concentrator silicon solar cells
[DE91-006754] 10 p1541 N91-18481

CUGLIANDOLO, L. F.
Path-integral measure for Chern-Simons theory within the stochastic quantization approach
[DE91-617610] 20 p3435 N91-29056

CUGNON, PIERRE
New results in the theory of dust grain alignment 06 p0888 N91-14906

CUI, JIYA
Generalized simplified analytic solution of optimum cycle parameters for land and aircraft gas turbine engines and its applications
[AD-A237414] 21 p3459 N91-29182

CUKIERMAN, SERGE
Composite matrix deformation process in relation to molecular structure
[ETN-91-99915] 23 p3806 N91-31232

CULBERTSON, GARY W.
Assessments of atmospheric effects on VHF and UHF communications
[AD-A226661] 05 p0647 N91-13592

CULBERTSON, R. J.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461
Characterization of ion-implanted aluminum and iron by spectroscopic ellipsometry
[DE91-008371] 11 p1685 N91-19283

CULIOLI, JEAN-CHRISTOPHE
Multi-criteria position and configuration optimization for redundant platform/manipulator systems
[DE90-010705] 08 p1157 N91-16372
Optimal positioning of redundant manipulator-platform systems for maximum task efficiency
[DE90-011061] 08 p1158 N91-16378

CULL, RONALD C.
Applications of thin film technology toward a low-mass solar power satellite 14 p2205 N91-22179

CULLEN, C.
Solid rocket booster internal flow analysis by highly accurate adaptive computational methods
[NASA-CR-184141] 13 p2043 N91-21239

CULLEN, D. E.
Single-scatter Monte Carlo compared to condensed history results for low energy electrons
[DE91-015176] 21 p3573 N91-29869

CULLEN, W. H.
Mechanical properties of 1950's vintage Type 304 stainless steel weldment components
[DE91-004328] 05 p0679 N91-13774

CULLINGFORD, HATICE S.
Development of the CELSS emulator at NASA. Johnson Space Center 23 p3904 N91-31793
Conceptual design of a closed loop nutrient solution delivery system for CELSS implementation in a micro-gravity environment 23 p3905 N91-31798
Method and apparatus for bio-regenerative life support system
[NASA-CASE-MSC-21629-1] 23 p3906 N91-31803

CULLY, SCOTT
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720

CULP, DONALD R.
Monte Carlo simulation of atmospheric neutron transport at high altitudes using MCNP
[AD-A226773] 08 p1176 N91-16474

CULP, G. L.
Direct conversion of methane to C2's and liquid fuels
[DE91-005868] 10 p1506 N91-18290
Direct conversion of methane to C2's
[DE91-005730] 11 p1678 N91-19251

CULVER, D. W.
Solid-liquid staged combustion space boosters 16 p2571 N91-24251

CULVER, G.
DHE (Downhole Heat Exchangers)
[DE91-006620] 11 p1727 N91-19509
Direct use R/D assistance
[DE91-009976] 15 p2526 N91-23999

CUMBO, F. M.
Solid rocket booster integration with the AQM-37C missile target 16 p2577 N91-24280

CUMMINGS, CLARENCE
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) plan
[DOT/FAA/CT-TN90/9] 07 p1030 N91-15651

CUMMINGS, J. C.
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
CUMMINGS, J. R.
Direct glass bonded high specific power silicon solar cells for space applications 22 p3634 N91-30221
CUMMINGS, JOHN R.
Development of N/P AlGaAs free-standing top solar cells for tandem applications 22 p3633 N91-30218
CUMMINGS, P. T.
Theoretical and experimental study of mixed solvent electrolytes
[DE91-005720] 09 p1309 N91-17184
CUMMINGS, RUSSELL M.
Numerical simulation of F-18 fuselage forebody flows at high angles of attack 02 p0147 N91-10859
CUMMINS, KENNETH L.
Range estimation techniques in single-station thunderstorm warning sensors based upon gated, wideband, magnetic direction finder technology 24 p4049 N91-32618
CUNDIFF, JEFFREY S.
Reynolds number effects on the transonic aerodynamics of a slender wing-body configuration 16 p2550 N91-24134
CUNEO, M. E.
A refractive index gradient (RING) diagnostic for transient discharges or expansions of vapor or plasmas
[DE90-015840] 01 p0125 N91-10736
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
CUNNINGHAM, ATLEE M., JR.
Predictions of F-111 TACT aircraft buffet response 06 p0782 N91-14335
CUNNINGHAM, B. T.
Low pressure MOCVD growth of InSb
[DE91-005839] 09 p1414 N91-17781
The preparation of InAsSb/InSb SLS (Strained-Layer Superlattice) and InSb photodiodes by MOCVD
[DE91-006781] 10 p1608 N91-18872
CUNNINGHAM, BRUCE J.
A modification of 4330 alloy steel
[DE91-001764] 06 p0807 N91-14455
CUNNINGHAM, C.
SDI performance and START constraints: Modeling phase-1 defense engagements
[DE91-013305] 21 p3570 N91-29849
CUNNINGHAM, COLIN R.
SCUBA: A submillimetre camera 13 p2180 N91-22044
CUNNINGHAM, D.
Data bases available in the Research Information Center of the National Institute of Standards and Technology
[PB91-107284] 09 p1421 N91-17823
Abstract and index collection in the Research Information Center of the National Institute of Standards and Technology (4th ed.)
[PB91-148494] 17 p2884 N91-25942
CUNNINGHAM, G.
Microwave blind mate coaxial connectors 24 p3994 N91-32317
CUNNINGHAM, M. E.
Effects of residual stresses on the fracture toughness of Zircaloy-2 tubes
[DE91-012736] 20 p3316 N91-28354
CUNNINGHAM, R. J.
Aircraft quality high temperature vacuum carburizing
[AD-A229980] 12 p1869 N91-20271
CUNNINGHAM, ROBERT K.
Artificial neural networks for seismic data interpretation
[AD-A239673] 23 p3895 N91-31743
Parametric study of diffusion-enhancement networks for spatiotemporal grouping in real-time artificial vision
[AD-A239674] 23 p3928 N91-31954
CUNNOLD, D. M.
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 1: Technical/users manual
[NASA-TM-4268-PT-1] 18 p3016 N91-26654
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 2: Program/data listings
[NASA-TM-4268-PT-2] 19 p3202 N91-27697
CUNTZ, J. M.
Influence of adhesive polymerization conditions on the durability of adhesive joints
[DCR/I-03357-90] 23 p3819 N91-31305
CUNY, P.
EQML: A chance for Europe 24 p4004 N91-32383
Which position for MIL-space industry facing QML concept 24 p4004 N91-32386
CUOMO, FRANK W.
Fiber optic microphone
[NASA-CASE-LAR-14402-1-CU] 07 p1068 N91-15874
CURCHOD, DON
The design, testing and fabrication of an extruded, linear focus Fresnel lens
[DE90-014852] 02 p0270 N91-11516
CURL, R. F.
Infrared absorption spectroscopy and chemical kinetics of free radicals
[DE91-008282] 12 p1867 N91-20260
CURLANDER, J.
An automated software system for updating digital terrain databases from all-source imagery, phase 1
[AD-A237105] 21 p3554 N91-29748
CURLANDER, JOHN C.
Pipeline synthetic aperture radar data compression utilizing systolic binary tree-searched architecture for vector quantization
[NASA-CASE-NPO-17941-1-CU] 05 p0648 N91-13595
Towards operational multisensor registration 07 p1024 N91-15619
CURLEE, T. RANDALL
Advanced materials: Information and analysis needs
[DE91-001017] 04 p0496 N91-12752
CURLISS, DAVID B.
The effect of jet fuel exposure on advanced aerospace composites 2: Mechanical properties
[AD-A227529] 09 p1302 N91-17144
CURRAN, CAROL COCKRELL
The effect of inertial coupling in the dynamics and control of flexible robotic manipulators
[NASA-CR-187679] 05 p0669 N91-13721
CURRAN, FRANCIS M.
Performance characterization of a segmented anode arcjet thruster
[NASA-TM-103227] 01 p0020 N91-10118
Arcjet nozzle area ratio effects 16 p2575 N91-24271
Arcjet thermal characteristics
[NASA-TM-105156] 21 p3468 N91-29231
Preliminary performance and life evaluations of a 2-kW arcjet
[NASA-TM-105149] 22 p3639 N91-30252
Medium power hydrogen arcjet performance
[NASA-TM-104533] 23 p3804 N91-31216
CURRAN, JAMES PATRICK
Use of power balance to model converging flows in bilateral junctions for ventilation systems
[AD-A224684] 03 p0364 N91-12040
CURRAN, PATRICK S.
Information visualization techniques in a multi-mission operations environment 14 p2221 N91-22277
CURRENT, JAMES E.
Data base structure to support the production of the digital bathymetric data base
[AD-A227915] 08 p1241 N91-16841
CURRENT, W.
A submicron resolution monolithic capacitive displacement sensor with digital output
[DE91-009765] 15 p2431 N91-23465
CURRERI, P. A.
Dentritic morphology and microsegregation in directionally solidified superalloy, PWA-1480, single crystal: Effect of gravity; center director's discretionary fund report
[NASA-TM-103518] 07 p0982 N91-15391
CURRIE, I. F.
TDF specification
[RSRE-91005] 22 p3729 N91-30756
CURRIE, KEN
PlanERS-1: Towards a new generation of mission planning systems 14 p2213 N91-22225
CURRY, D. M.
TPS design for aerobraking at Earth and Mars
[NASA-TM-104739] 22 p3762 N91-30970
CURRY, JUDITH A.
Determination and impact of surface radiative processes for TOGA COARE 19 p3182 N91-27599
CURTAIN, RUTH
H sub infinity-control with state feedback: The infinite dimensional case
[W-9015] 10 p1579 N91-18691
CURTAIN, RUTH F.
A synthesis of time and frequency domain methods for the control of infinite-dimensional systems: A system theoretic approach
[W-8912] 02 p0261 N91-11456
CURTIS, A. R. D.
Active reduction of an enclosed sound field: An experimental investigation
[RR-381] 07 p1063 N91-15846
CURTIS, D. W.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010
CURTIS, E.
Supercritical microgravity droplet vaporization 13 p2062 N91-21354
CURTIS, E. C.
Research in inorganic fluorine chemistry
[AD-A238348] 22 p3647 N91-30300
CURTIS, H. B.
Solar electric propulsion for Mars transport vehicles
[NASA-TM-103234] 11 p1665 N91-19178
Thermal annealing of GaAs concentrator solar cells 11 p1668 N91-19195
Effect of dislocations on properties of heteroepitaxial InP solar cells 22 p3632 N91-30209
CURTIS, HENRY B.
Design considerations for lunar base photovoltaic power systems
[NASA-TM-103642] 05 p0767 N91-14259
CURTIS, JAMES T.
User's guide to CUNIFLOW
[AD-A207606] 01 p0001 N91-10004
CURTIS, L. J.
Semiempirical studies of atomic structure
[DE90-017653] 02 p0268 N91-11501
CURTIS, R. S.
A conceptual model of the performance of the United States Air Force flight training program
[AD-A230881] 13 p2128 N91-21711
CURTIS, SUSAN R.
Artificial neural networks for seismic data interpretation
[AD-A239673] 23 p3895 N91-31743
CURTISS, H. C., JR.
An analytically linearized helicopter model with improved modeling accuracy
[NASA-CR-188715] 22 p3618 N91-30126
CURTISS, HOWARD C., JR.
Feasibility of an onboard wake vortex avoidance system
[NASA-CR-187521] 11 p1645 N91-19074
CUSCHIERI, J. M.
Mobility power flow analysis of an L-shaped plate structure subjected to distributed loading
[NASA-CR-187353] 01 p0057 N91-10334
Experimental measurement of structural power flow on an aircraft fuselage
[NASA-CR-187352] 01 p0057 N91-10335
Parametric and experimental analysis using a power flow approach
[NASA-CR-181990] 12 p1975 N91-20863
Experimental measurement of structural power flow on an aircraft fuselage
[NASA-CR-187560] 19 p3238 N91-27909
Mobility power flow analysis of coupled plate structure subjected to mechanical and acoustics excitation
[NASA-CR-188791] 23 p3885 N91-31678
CUSHMAN-ROISIN, BENOIT
Mesoscale eddies and fronts
[AD-A231933] 14 p2293 N91-22679
CUSHMAN, ARTHUR
Comparison of 14 decibels versus 20 decibels desired to undesired signal protection ratios
[DOT/FAA/CT-TN89/69] 13 p2148 N91-21833
Evaluation of external filters in reducing type B1 and B2 FM broadcast interference to VHF communications avionics receivers
[DOT/FAA/CT-TN91/16] 19 p3146 N91-27389
CUSHMAN, R. M.
Using climate model output to assess the impacts of climate change on water resources
[DE91-004542] 13 p2114 N91-21637
Vulnerability of the US to future sea level rise
[NASA-TM-105018] 19 p3186 N91-27617
CUSHMAN, ROBERT M.
Natural resource and economic implications of global climate change
[DE91-004554] 07 p1027 N91-15636
CUSHMAN, WILLIAM B.
A Scheiner-principle pocket optometer for self evaluation and bio-feedback accommodation training
[AD-D014579] 07 p1036 N91-15684
CUSHNAN, ARTHUR
Evaluation of desired to undesired signal protection ratios of 14 dB versus 20 dB with frequency offset
[DOT/FAA/CT-TN91/15] 22 p3662 N91-30384
CUSUMANO, JOSEPH PAUL
Low-dimensional, chaotic, nonplanar motions of the elastica: Experiment and theory 03 p0375 N91-12100
CUTCHIN, J. H.
Gamma radiation survey of the LDEF spacecraft 16 p2707 N91-24981

Discovery of Be-7 Accretion in Low Earth Orbit: The 16th Annual AAS Guidance and Control Conference
[AD-A236614] 19 p3112 N91-27195

CUTHBERTSON, J. W.
Atomic oxygen beam source for erosion simulation
12 p1951 N91-20733
Characterization of a 5-eV neutral atomic oxygen beam facility 12 p1952 N91-20736

CUTILLO, BRIAN A.
Empirical network model of human higher cognitive brain functions
[AD-A227193] 06 p0855 N91-14718

CUTLER, A. H.
Compression of Martian atmosphere for production of oxygen 16 p2595 N91-24377
An annotated bibliography of propellant processing methods 17 p2750 N91-25219

CUTLER, ANDREW HALL
Comparative economics of space resource utilization
17 p2914 N91-26088

CUTLER, BENJAMIN H.
A management information system for the energy conservation program
[AD-A229574] 22 p3765 N91-30989

CUTLER, DEBORAH E.
Energy Data Base
[DE90-009278] 05 p0730 N91-14081

CUTLER, L.
Macular bioaccelerometers on Earth and in space
17 p2819 N91-25580
Rejuvenation of service exposed alloy 713C turbine blades
[NAE-LTR-ST-1716] 21 p3458 N91-29179

CUTLER, LEONARD S.
The status of cesium beam frequency standards
17 p2851 N91-25758

CUTRI, ANTHONY D.
Satellite servicing using the orbital maneuvering vehicle in low Earth orbit
[AD-A236941] 19 p3112 N91-27197

CUTRI, ROC M.
Nuclear and extended infrared emission in paired and isolated galaxies 08 p1256 N91-16917

CUTTEN, D.
Atmospheric aerosol and Doppler lidar studies
24 p4057 N91-32666

CUTTER, M. A.
A medium resolution imaging spectrometer
[ETN-90-97967] 03 p0322 N91-11795
Medium Resolution Imaging Spectrometer (MERIS)
15 p2455 N91-23608

CUTTS, D. E.
A knowledge-based approach to configuration layout, justification, and documentation
12 p1943 N91-20690

CUVELIER, C.
Some numerical methods for the computation of capillary free boundaries governed by the Navier-Stokes equations
[REPT-90-11] 07 p1003 N91-15507

CUVELIER, G.
Computer simulations for the development of missile navigation systems 07 p1043 N91-15721

CWIK, T.
DSS 13 phase 2 pedestal room microwave layout
24 p3987 N91-32272

CWIK, TOM
Hypercube technology 14 p2355 N91-23025

CYGAN, R. T.
NMR spectroscopy of experimentally shocked silicate minerals
[DE91-014897] 21 p3578 N91-29898

CYPRANOWSKI, CORINNE
Power recovery of radiation-damaged Gallium Arsenide and Indium Phosphide solar cells
[AD-A225307] 03 p0387 N91-12155

CYPRYK, MAREK
Synthesis and characterization of polysilanes
[AD-A235357] 18 p2965 N91-26370

CZANDERNA, A. W.
Polymers as advanced materials for desiccant applications
[DE90-000389] 17 p2762 N91-25291

CZECK, EDWARD
Validation environment for AIPS/ALS: Implementation and results
[NASA-CR-4340] 05 p0705 N91-13930

CZEKALSKI, B.
Effect of flange bolt preload on Space Shuttle main engine high pressure oxidizer turbopump housing analysis
[NASA-TM-103536] 16 p2635 N91-24584

CZIRR, J. B.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923

CZUCHLEWSKI, S. J.
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486

CZUCHLEWSKI, STEVEN J.
Recent advances in excimer laser technology at Los Alamos
[DE90-016441] 01 p0046 N91-10276

CZUCHRY, ANDREW J., JR.
The development of a research environment for neural networks: Instantiating neocognitions
[AD-A231995] 14 p2317 N91-22799

D

DA, XIAODONG
Measurement of the critical Ma number versus Pr number in floating zone 14 p2335 N91-22906

DAALHUIS, A. B. OLDE
Uniform asymptotic approximation of Fermi-Dirac integrals
[CWI-AM-R9001] 02 p0259 N91-11440

DABBENE, DANILO
Path generation and evaluation for a mission planning expert system 17 p2731 N91-25124

DABLIES, MATTHIAS
Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121

DABNER, S. C.
Real-time motion measurement hardware: Phase correlation unit
[BBC-RD-1990/11] 10 p1527 N91-18408

DABNEY, PHILLIP
Advanced Solid-State Array Spectrometer (ASAS) data sets from the 1990 field season: A unique look at two forested ecosystems 17 p2800 N91-25488

DABNEY, RICHARD W.
Standard remote manipulator system docking target augmentation for automated docking
[NASA-CASE-MFS-28419-1] 19 p3113 N91-27200

DABROWSKI, B.
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Defects, oxygen ordering and properties of La-Cu-O and Ba-Bi-O superconductors
[DE91-008811] 12 p1992 N91-20967

DACOSTA, JOSE MARQUES
Audiomagnetotelluric (AMT) soundings in the proximity of the Camaqua (RS) mines
[INPE-5213-RPE/641] 13 p2117 N91-21651

DACOSTA, PETRONIO OSORIO
Satellite control system nucleus for the Brazilian complete space mission 14 p2210 N91-22203

DAEHNICK, CHRISTIAN C.
Material properties of silicon carbide fibers with continuously applied sol-gel alumina coatings
[AD-A230825] 13 p2046 N91-21256

DAELE, P. V.
Thickness variations during MOVPE growth on patterned substrates
[AD-A229685] 12 p1990 N91-20951

DAEMBKES, HEINRICH
Millimeter-wave monolithic integrated receiver circuits
07 p0942 N91-15162

DAEUBLER, M. A.
Influence of heat treatment on microstructure and properties of an advanced high temperature titanium alloy
[PNR-90689] 02 p0198 N91-11107

DAGALAKIS, N.
Recommended fine positioning test for the Development Test Flight (DTF-1) of the NASA Flight Telerobotic Servicer (FTS)
[NASA-CR-188683] 19 p3177 N91-27565
Robot characterization testing
[PB91-167361] 19 p3177 N91-27567

DAGDIGIAN, PAUL J.
Study of elementary reactions and energy transfer processes involving the NH and CN free radicals
[AD-A238461] 21 p3576 N91-29889

DAGLE, J. E.
Performance enhancement using power beaming for electric propulsion Earth orbital transporters
[DE91-017287] 24 p3968 N91-32168
Benefit/cost comparison for utility SMES applications
[DE91-017425] 24 p4007 N91-32408

DAGLE, JEFFERY E.
The PEGASUS drive: A nuclear electric propulsion system for the space exploration initiative
[DE91-004734] 07 p0966 N91-15304

DAGLE, JEFFREY E.
An integrated mission approach to the space exploration initiative will ensure success
[DE91-006721] 10 p1484 N91-18177

DAGLORIAALVES, MARIA
Utilization of remote sensing techniques in geological and semidetailed work in the Quadrilatero Ferrifero region, MG
[INPE-4151-TDL/268] 03 p0383 N91-12134

DAGOSTINI, GIULIO
Limits on the electron compositeness from the Bhabha scattering at PEP and PETRA
[NOTA-INTERNA-951] 12 p1977 N91-20881
How to tag the high PT jets involving the anomalous structure function of the photon at HERA
[NOTA-INTERNA-952] 12 p1978 N91-20882

DAGUM, LEONARDO
On the suitability of the connection machine for direct particle simulation 14 p2186 N91-22073

DAHIR, MUBARAK S.
Evaluation of exit signs in clear and smoke conditions
[PB90-269523] 09 p1275 N91-17006

DAHIYA, R. P.
Measurements of inception time lags of repetitively pulsed corona in air 23 p3941 N91-32028

DAHL, P. H.
Vertical incidence backscatter and surface forward scattering from near-surface bubbles
[AD-A234432] 18 p3056 N91-26880

DAHLBERG, E. D.
Epitaxial iron films
[AD-A232419] 15 p2518 N91-23958

DAHLBURG, J. P.
Direct and large-eddy simulations of three-dimensional compressible Navier-Stokes turbulence
[AD-A233717] 18 p2983 N91-26470

DAHLBURG, R. B.
Direct and large-eddy simulations of three-dimensional compressible Navier-Stokes turbulence
[AD-A233717] 18 p2983 N91-26470

DAHLBURG, RUSSELL B.
Numerical simulation of the compressible Orszag-Tang vortex 2. Supersonic flow
[NASA-CR-185877] 03 p0420 N91-12350
Numerical simulation of solar coronal magnetic fields
[NASA-TM-103402] 07 p1086 N91-15971

DAHLEH, MARIE DILLON
Analysis and application of the discrete vortex method
08 p1142 N91-16290

DAHLEN, HELMUT
Comparison of the ICAO Annex 16 Chapter 10 and Chapter 6 noise certification procedures on the basis of flight noise measurements of ten light propeller-driven aeroplanes
[DLR-MITT-90-17] 22 p3751 N91-30910

DAHLIN, R. S.
Electrostatic precipitation of condensed acid mist
[DE91-016530] 23 p3811 N91-31260

DAHLKE, WELDON
Laser-based display technology development at the Naval Ocean Systems Center (NOSC)
[AD-A236968] 19 p3172 N91-27538

DAHLQUIST, HANS
Evaluation of a wind profile model
[FOA-E-40045-4.5] 05 p0690 N91-13839
A one dimensional wind profile model with stability and eddy viscosity estimations from sodar data
[DM-56] 15 p2469 N91-23680

DAHM, W. J. A.
Basic research model of natural gas combustion in turbulent flow
[PB91-130260] 11 p1681 N91-19284

DAHM, WERNER J.
High resolution measurements of strained diffusion and reaction layer structure and extinction in turbulent flows
[AD-A232794] 15 p2429 N91-23456

DAHM, WERNER J. A.
Flame stability and characterization of swirl-stabilized flames, phase 1
[PB91-101931] 09 p1308 N91-17176

DAHMEN, U.
HVEM (High Voltage Electron Microscopy) studies of the sintering of MgO nanocrystals prepared by Mg(OH)2 decomposition
[DE91-005403] 10 p1606 N91-18860
Characterization of crystalline interfaces by advanced electron microscopy
[DE91-011883] 20 p3426 N91-29002
TEM analysis of enclosed crystal microstructures and interfaces
[DE91-012344] 20 p3426 N91-29006
TEM characterization of grain boundaries in mixed bicrystal films of aluminum
[DE91-016267] 21 p3601 N91-30038

A jet polishing technique for thinning two phase materials
[DE91-016422] 23 p3852 N91-31473
TEM analysis of crystalline interface structure: The state of the art
[DE91-016427] 23 p3932 N91-31975
DAHN, DAVID A.
A low-cost part-task flight training system: An application of a head mounted display
[AD-A230353] 12 p1933 N91-20635
DAI, GUANZHONG
Design and implementation of real-time computer coordinated force actuating system with multi-input/output
[AD-A233114] 16 p2669 N91-24768
DAI, KECHANG
Large-grain dataflow computation and its architectural support
[ETN-91-99256] 14 p2311 N91-22767
DAI, WEN-LONG
Analysis and development of a real-time control methodology in resistance spot welding
23 p3879 N91-31646
DAI, X.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
DAICIC, J.
Relativistic spin-one boson plasma
[DE91-617613] 16 p2693 N91-24907
DAIGLE, GILLES
Air-ground interface: Surface waves, surface impedance and acoustic-to-seismic coupling coefficient
08 p1214 N91-16685
DAIGUJI, HISAAKI
Numerical simulations of transonic cascade flow and their visualizations 04 p0454 N91-12538
An implicit time-marching method for the three-dimensional Navier-Stokes equations of contravariant velocity components
04 p0465 N91-12603
Numerical turbulent simulations of unsteady transonic cascade flows 24 p3947 N91-32063
DAILY, GRETCHEN C.
Global change and carrying capacity: Implications for life on Earth 09 p1357 N91-17454
DAILY, JIM
Integration of weather sensing devices
16 p2556 N91-24174
DAINTON, J. B.
Physics at HERA
[RAL-90-038] 07 p1067 N91-15867
DAKOULAS, PANOS C.
Modeling the surface and interior structure of comet nuclei using a multidisciplinary approach
[NASA-CR-188635] 22 p3775 N91-31052
DALBEY, S.
Concentrator flight test experiment
[AD-A237390] 21 p3536 N91-29647
DALCHER, AMNON
TIRT study no. 9: Stokes vector formalism for the source radiance of an opaque body
[AD-A231551] 14 p2256 N91-22479
DALE, B. C.
Sandia technology: Engineering and science applications
[DE91-006760] 11 p1692 N91-19322
Technology teamwork: The role of the national laboratories in implementing US technology policy
[DE91-010017] 16 p2701 N91-24956
DALE, J. M.
Chemical characterization of microparticles by laser ablation in an ion trap mass spectrometer
[DE91-012513] 20 p3308 N91-28309
DALE, STEINAR J.
Insulating materials and large high voltage electric systems
[DE90-017851] 03 p0358 N91-12007
DALEN, GOERAN
Some control problems with broad range variable speed for horizontal axis wind turbines
[FFA-TN-1990-37] 11 p1728 N91-19513
DALESSANDRO, F.
The design of the SAX scientific data archive for a quick look at the rotational control centre
14 p2223 N91-22295
DALEY, P. F.
Preliminary field demonstration of a fiber-optic TCE sensor
[DE91-008453] 13 p2089 N91-21498
DALEY, P. L.
Thrust chamber modeling using Navier-Stokes equations: Code documentation and listings, volume 2
[NASA-CR-183617] 05 p0630 N91-13489
DALEY, RICHARD S.
Growth and reactivity of CuCl on Si(111)
[AD-A225034] 03 p0423 N91-12364
DALGARNO, A.
The submillimeter wave astronomy satellite
13 p2177 N91-22025
DALGARNO, ALEXANDER
Theory and laboratory astrophysics
24 p4120 N91-33025
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
DALGIC, ISMAIL
Design and implementation of interface units for high speed fiber optics local area networks and broadband integrated services digital networks
[NASA-CR-187384] 03 p0418 N91-12336
DALHED, S.
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
DALLAQUA, RENATO SERGIO
Design and construction of a formed pulse circuit for a plasma centrifuge
[INPE-5161-RPE/639] 13 p2158 N91-21895
DALLAT, JOHN
The use of databases in ground data systems for spacecraft control 14 p2222 N91-22286
DALLINGA, S.
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041
DALLMAN, MARY F.
The effect of catecholamines on arterial blood pressure and heart rate
[AD-A234755] 18 p3028 N91-26720
DALLMANN, UWE
Generalised similarity solutions for three dimensional, laminar, steady compressible boundary layer flows on swept, profiled cylinders
[ESA-TT-1190] 12 p1898 N91-20441
DALLOGLIO, G.
The OASI observatory in Antarctica
13 p2179 N91-22036
DALLY, J. W.
Study of static and dynamic fracture using strain measurements
[PB91-132217] 15 p2442 N91-23524
DALLY, WILLIAM J.
Experiments with dataflow on a general-purpose parallel computer
[AD-A235521] 19 p3232 N91-27870
Critical problems in very large scale computer systems
[AD-A229328] 22 p3722 N91-30714
DALM, T. B.
The application of trajectory prediction algorithms for planning purposes in the Netherlands ATC-system
02 p0173 N91-10986
DALPHIN, JOHN F.
Computer network environment planning and analysis
17 p2882 N91-25934
DALRIEUX, Y.
Three dimensional acoustic propagation at low temperature altitude
[ONERA-RT-13/3641-PY] 23 p3924 N91-31924
DALRYMPLE, MATHIEU A.
Aircrew Evaluation Sustained Operations Performance (AESOP): A triservice facility for technology transition
[AD-A234626] 18 p3032 N91-26738
DALSANIA, VITHAL
Finite element analysis of thermal distortion effects on optical performance of solar dynamic concentrator for Space Station Freedom
[NASA-TM-102504] 04 p0532 N91-12954
DALTON, BONNIE P.
Spacelab 3 mission 07 p1079 N91-15934
DALTON, LARRY R.
Design of polymers with semiconductor, NLO, and structural properties
[AD-A235215] 18 p2965 N91-26364
DALU, G.
Rainfall estimation over oceans from scanning multichannel microwave radiometer and special sensor microwave/imager microwave data
[NASA-TM-104546] 22 p3710 N91-30646
DALU, G. A.
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165
DALY, BRYAN A.
A comparison of software schedule estimators
[AD-A229532] 22 p3725 N91-30731
DALY, E. J.
Space environment analysis tools
07 p0961 N91-15291
DALY, PETER
Current GPS/GLONASS time reference and UTC
17 p2851 N91-25762
DALY, R. T.
The APS radio frequency test stand control system
[DE91-015711] 21 p3502 N91-29434
DALY, ROBERT
A relational database for cartographic map displays
03 p0426 N91-12389
DALY, T. A.
Tradeable permits for global warming control: Implications for regional economies and public utilities
[DE91-010822] 17 p2807 N91-25520
DAMANIA, R. B.
Proposed modifications. Improvements to the draft specifications of DGCA, New Delhi, on requirements for airworthiness certification of experimental aircraft
[NAL-PD-FE-9101] 22 p3618 N91-30127
DAMASIO, W. C.
Activities report on the experimental study of particle diffusion in superficially confined plasma for multidipolar magnetic fields
[INPE-5228-RPE/644] 22 p3756 N91-30938
DAMASKIN, B. B.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal
11 p1790 N91-19819
DAMAVANDI, KAMRAN RASTGOOY
A chain process for integrated software development: From problem stating to systems program with Petri nets
[ETN-91-98497] 07 p1051 N91-15769
DAMEN, AD
A comparison of classical and modern controller design: A case study
[EUT-90-E-244] 22 p3742 N91-30850
DAMICO, KEVIN L.
The metrology of spherical shells using synchrotron x ray microtomography 13 p2085 N91-21374
DAMICO, M.
Interference from rain: Computation of the scattering cross section
[REPT-90-028] 07 p0995 N91-15458
DAMINI, A.
Implementation of FFT and pulse compression routines on the SPT frequency domain array processor
[AD-A231320] 13 p2077 N91-21443
DAMKROGER, BRIAN K.
Beryllium weldability
[DE90-014696] 01 p0026 N91-10155
DAMM, C. C.
Physics data base for the Beam Plasma Neutron Source (BPNS)
[DE91-002796] 06 p0876 N91-14842
DAMONTI, E.
Blind deconvolution for Doppler centroid estimation in high frequencies SAR
[REPT-90-034] 10 p1514 N91-18335
Seismic migration for SAR focusing: Interferometrical applications
[REPT-90-036] 10 p1514 N91-18336
DAMOTA, ANA CLARA
Analysis of parallelism for nonlinear programming
[INPE-5121-TDL/422] 05 p0700 N91-13899
DAMP, S.
Miniature laser Doppler anemometer with laser diode
[ISL-CO-224/88] 04 p0526 N91-12917
Laser Doppler anemometer miniaturized with diode laser
[AAAF-NT-89-06] 23 p3878 N91-31637
DAMPIER, DAVID A.
A model for merging different versions of a PSDL program
[AD-A225404] 03 p0406 N91-12267
DAMSMA, M.
An algebra of generalized functions on a C sup infinity manifold
[MATHS-MEMO-873] 10 p1580 N91-18699
DAMSMA, MARTIN
An introduction to ultrafunctions
[MEMO-841] 01 p0115 N91-10672
DANA, PETER
GPS/Loran-C interoperability for time and frequency applications: A survey of the times of arrival of Loran-C transmissions via GPS common mode/common view satellite observations 17 p2858 N91-25803
DANA, ROGER A.
Propagation of RF signals through structured ionization: The general model
[AD-A234051] 18 p2974 N91-26418
DANABASOGLU, G.
Numerical simulation of particle-wave interaction in boundary layers
[NASA-CR-187312] 20 p3341 N91-28502
DANBERG, JAMES E.
Prediction and comparison with measurements of the aerodynamic characteristics of flare-stabilized XM910 prototypes
[AD-A208099] 01 p0001 N91-10005

DANCZYK, GARY M.
Identification of thermospheric dayglow emissions for the MUSTANG experiment
[AD-A225473] 04 p0547 N91-13032
DANDL, R. A.
Development of a tactical high-power microwave source using the Plasma Electron Microwave Source (PEMS) concept
[AD-A234967] 18 p3067 N91-26942
DANDO, ANDREW
The inviscid compressible Goertler problem
[NASA-CR-187600] 22 p3611 N91-30089
DANDREA, J. A.
The effect of three levels of laser glare on the speed and accuracy of target location performance when viewing a briefly presented visual array
[AD-A238565] 21 p3552 N91-29736
DANDRIDGE, ANTHONY
Improved inline fiber optic sensor arrays
[AD-D014864] 18 p3063 N91-26924
DANEN, W. C.
Methane to methanol conversion by direct partial oxidation
[DE91-007352] 11 p1680 N91-19257
DANEN, WAYNE C.
Methane to methanol conversion
[DE91-004843] 07 p0987 N91-15419
DANESE, L.
Extragalactic source counts, confusion limits and contributions to the background radiation in the sub-mm
13 p2173 N91-21995
DANEY, D. E.
Effect of noble gas mixtures on the performance of regenerative-type cryocoolers analytical estimate
[PB91-144410] 16 p2613 N91-24465
DANFORD, M. D.
Electrochemical studies of corrosion inhibitors
[NASA-TP-3066] 09 p1313 N91-17208
The corrosion protection of 2219-T87 aluminum by anodizing
[NASA-TM-103540] 18 p2956 N91-26312
The interaction of hydrogen with metal alloys
[NASA-TP-3128] 21 p3482 N91-29318
DANFORD, MERLIN D.
The effect of stress on hydrogen uptake and desorption by A-286
[NASA-TM-103537] 20 p3313 N91-28341
DANFORTH, RICHARD
Follow-on cable coupling lightning test, volume 1
[NASA-CR-184123] 20 p3291 N91-28192
DANFORTH, RICHARD A.
Environmental Data Recorder (EDR) qualification
[NASA-CR-184108] 10 p1527 N91-18406
The full-scale process and design changes for elimination of insulation edge separations and voids in tang flap area
[NASA-CR-184110] 11 p1664 N91-19172
DANG, K.
Spectral transfer analysis for subgrid-scale modelling
24 p4014 N91-32438
DANGTRAN, K.
Numerical study of partitioned turbulence
[ONERA-RSF-20/3419-AY-124A]
24 p4013 N91-32437
DANIEL, B. R.
Pulse combustion engineering research laboratory
[PB91-157271] 17 p2756 N91-25253
Investigation of the combustion of liquid fuels in Rijke type pulse combustors
[DE90-012490] 21 p3493 N91-29381
DANIEL, BRADY R.
Investigation of the flame-acoustic wave interaction during axial solid rocket instabilities
[AD-A237851] 21 p3466 N91-29223
DANIEL, D. S.
Design and performance of an axial air-gap solution pump motor
[DE91-009988] 16 p2621 N91-24516
DANIEL, JANICE D.
Analysis of cured carbon-phenolic decomposition products to investigate the thermal decomposition of nozzle materials 19 p3269 N91-28082
DANIEL, R. R.
Dust in a few southern H II regions
06 p0895 N91-14943
Distribution of dust in W31 complex
06 p0895 N91-14944
DANIEL, R. W.
Real-time sensor-based approach to the improvement of transitions of robot manipulator controls
[OUEL-1866/90] 11 p1718 N91-19459
DANIEL, S. S.
Thin steel section casting on a near-horizontal twin-belt caster
[DE91-001883] 06 p0816 N91-14505
DANIELI, ORI
Performance comparison of load/store and symmetric instruction set architectures
[ITN-91-85066] 07 p1039 N91-15698
DANIELS, FREDERICK
Study of space qualification specifications
[CTN-91-60201] 23 p3801 N91-31199
DANIELS, G. S.
RAND's Cartographic Analysis and Geographic Information System (RAND-CAGIS): A guide to system use
[RAND/N-3172-RC] 19 p3260 N91-28031
DANIELS, J. I.
The effect of shower/bath frequency on the health and operational effectiveness of soldiers in a field setting
[DE91-017545] 24 p4073 N91-32758
DANIELS, R. C.
A global geographic information system data base of storm occurrences and other climatic phenomena affecting coastal zones
[DE91-014949] 21 p3542 N91-29682
DANIELS, ROBERT C.
Polarographic study of cadmium 5-hydroxy 2-(hydroxymethyl) 4H-pyran-4-one complex
19 p3270 N91-28088
DANIELS, TAUMI S.
A solid-state controllable power supply for a magnetic suspension wind tunnel 13 p2036 N91-21199
DANIELSEN, TRON
The MISU baseline station
[AA-2] 22 p3703 N91-30611
DANISZEWSKI, EDWARD J.
RADC cathode life test facility
[AD-A234309] 18 p2978 N91-26444
DANKS, A. C.
Multiwavelength studies of southern early type galaxies 09 p1446 N91-17977
DANLEY, T. J.
Some considerations for various positioning systems and their science capabilities 13 p2065 N91-21372
DANOS, M.
Model for the non-perturbative QCD vacuum
[PB91-194407] 22 p3749 N91-30898
DANSBERRY, BRYAN E.
Transonic shock-induced dynamics of a flexible wing with a thick circular-arc airfoil
[NASA-TM-104088] 20 p3279 N91-28132
Experimental flutter boundaries with unsteady pressure distributions for the NACA 0012 Benchmark Model
[NASA-TM-104072] 20 p3280 N91-28137
DANTASDEMELO, JORGE
Vectorial and parallel algorithms in dynamic programming for optimal control problems
[LAAS-90256] 08 p1205 N91-16629
DANTZIG, GEORGE B.
Converting a converging algorithm into a polynomially bounded algorithm
[AD-A234961] 18 p3041 N91-26788
Large-scale stochastic linear programs: Importance sampling and Benders decomposition
[AD-A234962] 18 p3041 N91-26789
DANYLUK, S.
Thermomechanical processing of YBa2Cu3O(x)/Ag sheathed wires
[DE91-006548] 09 p1417 N91-17799
Silver sheathing of high-Tc superconductor wires
[DE91-006557] 10 p1605 N91-18858
DANZY, FREDRICK
Interim results from the characterization testing of the Engineering Development (EDM) rubidium clocks for satellite applications 17 p2854 N91-25782
DARBY, EVAN
Controller evaluation of initial data link en route air traffic control services: Mini study 3
[DOT/FAA/CT-91/11] 19 p3149 N91-27404
DARCHIYEVA, L. A.
Dynamics of equatorial and polar boundaries of penetration of solar protons with energy about 1 MeV into magnetosphere during strong magnetic storm
18 p2931 N91-26172
DARCY, J. P.
Effect of planform on induced drag
[BU-500] 14 p2188 N91-22086
DARDEN, RALPH M.
Passive step trimmer for a maneuvering reentry body
[AD-D014828] 16 p2566 N91-24228
DARGI, M.
Design of lightning protection for a full-authority digital engine control 24 p4066 N91-32717
Certification of lightning protection for a full-authority digital engine control 24 p4067 N91-32718
DARGUSH, G. F.
Development of BEM for ceramic composites
[NASA-CR-187676] 05 p0641 N91-13557
Development of an integrated BEM approach for hot fluid structure interaction
[NASA-CR-187675] 07 p1001 N91-15496
DARKO, ROBERT J.
Engineering software development with HyperCard
13 p2165 N91-21942
DARLING, DOUGLAS
Scaling analysis applied to the NORVEX code development and thermal energy flight experiment
[NASA-TM-104462] 16 p2627 N91-24549
DARLING, TIMOTHY W.
Antimatter gravity experiment
[DE91-000177] 02 p0283 N91-11590
DARLINGTON, D. J.
The provision of circuits to outside broadcast locations using spectrum within the UHF broadcasting bands
[BBC-RD-1990/12] 11 p1694 N91-19329
DARLINGTON, DANIEL N.
The effect of catecholamines on arterial blood pressure and heart rate
[AD-A234755] 18 p3026 N91-26720
DARNELL, M.
Spectrum management and conservation
19 p3148 N91-27397
Distributed long-range radio systems employing multiple propagation mechanisms and an extended frequency range 22 p3661 N91-30380
DARNEY, I.
A new approach to equipment testing
24 p4053 N91-32639
DAROU, Y.
Study of the metallurgical consequences of hammering between passes to compensate for the withdrawal of metal caused by welding
[CETIM-104430] 05 p0673 N91-13741
DARROY, J. M.
A procedural expert system for spacecraft command and control 15 p2453 N91-23591
DARROY, JEAN-MICHEL
Knowledge-based systems for spacecraft control: Keynote address 14 p2216 N91-22245
DART, SUSAN
Spectrum of functionality in configuration management systems
[AD-A235753] 19 p3221 N91-27803
DARVENIZA, MAT
The QT interval in lightning injury with implications for the cessation of metabolism hypothesis
24 p4049 N91-32621
Further identification and treatment modalities in telephone mediated lightning strike
24 p4050 N91-32622
DARWISH, MOHAMED N.
Radiation hardening of a high voltage IC technology (BCDMOS)
[DE90-008345] 08 p1131 N91-16220
DARZI, KENT
Hypervelocity impact physics
[NASA-CR-4343] 11 p1663 N91-19164
DARZI, MICHAEL
SEAPAK user's guide, version 2.0. Volume 1: System description
[NASA-TM-100728-VOL-1] 17 p2837 N91-25683
SEAPAK user's guide, version 2.0. Volume 2: Descriptions of programs
[NASA-TM-100728-VOL-2] 17 p2838 N91-25684
DAS-GUPTA, D. K.
Modification and evaluation of Elastomer Test Machine (ETM)
[AD-A236143] 20 p3348 N91-28540
Fast acting optical deflection
[AD-A237904] 21 p3582 N91-29927
DAS, A.
Homogenization techniques and estimation of material parameters in distributed structures
[NASA-CR-187585] 19 p3235 N91-27887
DAS, G. P.
Adsorption of ammonia on iron clusters
[DE91-011125] 18 p2955 N91-26308
DAS, M.
Performance measurement of a parallel input/output system for the Intel iPSC/2 hypercube
[DE91-014219] 20 p3389 N91-28779
DAS, PANKAJ K.
Spread spectrum communications emulator design
[AD-A235403] 18 p2976 N91-26430
DAS, PURNA C.
Photodissociation near a rough metal surface: Effect of reaction fields
[AD-A227030] 06 p0805 N91-14445
DAS, RAJA
A manual for PARTI runtime primitives, revision 1
[NASA-CR-187568] 17 p2832 N91-25644

DAS, SUBHENDU
Parallelized reliability estimation of reconfigurable computer networks
[NASA-CR-182101] 02 p0257 N91-11430
DAS, SUJIT
Advanced materials: Information and analysis needs
[DE91-001017] 04 p0496 N91-12752
DASGUPTA, ABHIJIT
Inelastic strain analysis of solder joint in NASA fatigue specimen
[NASA-CR-187864] 08 p1116 N91-16132
DASGUPTA, PURNENDU K.
Novel approaches to ionic chromatography
[DE91-006261] 09 p1310 N91-17192
DASH, S. M.
Computational models with advanced thermochemistry for the analysis of missile/plume flowfield interactions
06 p0776 N91-14305
DASH, SANFORD M.
Advanced computational models for analyzing high speed propulsive flowfields 16 p2578 N91-24291
Observations on CFD and turbulence model validation/calibration for the simulation of high-speed propulsive flowfields
[SAIC/FW-TP-210] 17 p2772 N91-25337
DASH, Z.
FEHMN 1.0: Finite element heat and mass transfer code
[DE91-011347] 17 p2847 N91-25737
DASHNER, JACK
Toxic and reactive material handling on Spacelab J and USML-1 07 p1079 N91-15935
DASILVA, ERIVALDO ANTONIO
Performance comparison of edge defection morphologies
[INPE-5012-TDL/400] 02 p0256 N91-11422
DASILVA, HEITOR EVANGELISTA
Study of radon concentration in Antarctica: Instrumentation and analysis
[INPE-5070-TDL/409] 04 p0545 N91-13022
DASILVA, L.
Short pulse driven recombination x ray lasers
[DE90-009945] 08 p1151 N91-16340
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557
DASILVA, L. B.
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
DASILVA, R. R.
Superconducting films made by spin-coating of acetate solutions
[DE91-011119] 17 p2872 N91-25888
DASU, S.
Study of nuclear effects in the deuteron and extraction of neutron to proton stucture function ratio
[DE91-015484] 21 p3574 N91-29873
DATSKOS, P. G.
Negative ion formation with electron impact to simulants
[AD-A237478] 21 p3575 N91-29881
Effective ionization coefficients, electron drift velocities, and limiting breakdown fields for gas mixtures of possible interest to particle detectors
[DE91-015921] 23 p3862 N91-31532
DATSKOU, IRENE
Large collective lamb shifts in high pressure noble gases
[DE90-017761] 04 p0528 N91-12924
DATTA, A.
Thermoforming of in-situ reinforced thermoplastic composites
[AD-A232816] 15 p2407 N91-23329
Generation of continuous liquid crystalline polymer reinforcements in thermoplastics by a novel blending process
[AD-A232824] 15 p2407 N91-23330
Processing studies of blends of polypropylene with liquid crystalline polymers
[AD-A232961] 16 p2605 N91-24435
The formation of novel thermoplastic composites from liquid crystalline polymers and their blends
[AD-A239546] 23 p3808 N91-31244
DATTA, P.
Coolant side heat transfer with rotation. Task 3 report: Application of computational fluid dynamics
[NASA-CR-182109] 16 p2628 N91-24551
DATTILO, MARION
Electrochemical impedance spectroscopy study of corrosion of painted cold-rolled and electrogalvanized sheet steel for automotive use
[PB91-110718] 09 p1313 N91-17206
DATZ, S.
Electron ion interactions in crystal channels: Collisions in ultra-dense electron media
[DE91-004398] 07 p1072 N91-15897
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791
DAUGHERTY, MICHAEL J.
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors 06 p0795 N91-14394
DAUGHERTY, PATRICIA F.
SQTTEXT: A tool for editing Structured Query Language (SQL) text within ORACLE SQL*Forms applications
[DE91-000534] 04 p0565 N91-13134
DAUGHERTY, ROBERT H.
F-106B airplane active control landing gear drop test performance
[NASA-TM-102741] 05 p0621 N91-13445
F-106B airplane active control landing gear drop test performance 20 p3285 N91-28164
DAUGHERTY, THOMAS L.
Vibration reducing thrust bearing
[AD-D014720] 12 p1906 N91-20487
DAUGHERTY, W. L.
A failure probability estimate of type 304 stainless steel piping
[DE91-004299] 07 p0979 N91-15372
An on-line real-time system for fatigue crack growth monitoring
[DE91-007931] 11 p1722 N91-19483
DAUGHTRY, C. S. T.
Effects of soil and canopy characteristics on microwave backscattering of vegetation
[NASA-CR-188022] 11 p1725 N91-19497
DAUM, C.
Three-dimensional computation of magnetic fields and Lorentz forces of an LHC dipole magnet
[NIKHEF-H/89-12] 04 p0579 N91-13223
DAUM, P. H.
Tropospheric sampling with aircraft
[DE91-009472] 15 p2459 N91-23626
An observational study of the efficiency of activation of accumulation-mode particles in warm continental stratiform clouds
[DE91-013335] 21 p3542 N91-29681
DAUMANN, F.-J.
Eye damage induced by solar radiation
17 p2825 N91-25605
Intra-ocular lenses and military flying qualifications
17 p2827 N91-25615
DAUPLAISE, HELEN M.
Evaluation of solid lubricants: The chemistry of sputtered MoSx films using combined thin film analysis techniques
[AD-A226134] 04 p0507 N91-12818
DAUSKARDT, R. H.
International Conference on Mechanical Fatigue of Advanced Materials
[AD-A233545] 16 p2590 N91-24354
DAUTRICHE, P.
Fourteen x fourteen CCD array for optical intersatellite link tracking
[CNES-CT/DRT/TIT/OE-88/144]
02 p0271 N91-11521
DAVARIAN, FARAMAZ
Proceedings of the Fourteenth NASA Propagation Experimenters Meeting (NAPEX 14) and the Advanced Communications Technology Satellite (ACTS) Propagation Studies Miniworkshop
[NASA-CR-186974] 03 p0350 N91-11954
ACTS propagation program 03 p0350 N91-11956
ACTS propagation terminal prototype planning and design 03 p0353 N91-11970
The NASA radiowave propagation program
22 p3661 N91-30378
DAVARPANAH, MICHAEL M.
Total-dose radiation effects data for semiconductor devices (1989 supplement)
[NASA-CR-187431] 05 p0725 N91-14049
DAVE, B. B.
Oxygen electrode in molten carbonate fuel cells
[DE91-005743] 10 p1541 N91-18483
DAVENPORT, A. J.
X ray absorption spectroscopy of oxide films on metals
[DE91-008100] 11 p1684 N91-19278
XANES investigation of pH effects during cerium-sealing of anodized aluminum
[DE91-008101] 11 p1688 N91-19302
XANES (X ray Absorption Near Edge Structure) investigation of cerium as an inhibitor for Al alloys
[DE91-005542] 13 p2052 N91-21293
In-situ x ray measurements of pit solutions during localized corrosion
[DE91-006916] 13 p2053 N91-21295
DAVENPORT, J. W.
First principles simulations of metallic alloys and liquids
[DE91-015171] 21 p3483 N91-29323
DAVENPORT, JAMES C.
Computer simulation of radiation damage in gallium arsenide 19 p3274 N91-28112
DAVENPORT, R.
Parabolic dish photovoltaic concentrator development
[DE91-016868] 23 p3891 N91-31714
DAVENPORT, RONALD J.
Space water electrolysis: Space Station through advance missions 24 p4036 N91-32553
DAVENPORT, WAYNE E.
A performance analysis and characterization of the Lumonics, Inc. HyperDYE-300 laser pumped dye laser
[AD-A225784] 04 p0528 N91-12929
DAVEY, J.
Water transport properties of fuel cell ionomers
[DE91-016015] 23 p3811 N91-31259
DAVIAUD, F.
Spatiotemporal intermittency
23 p3867 N91-31569
DAVID, D.
Polarization modulated solitary waves in an optical fiber
[DE90-015034] 01 p0121 N91-10715
DAVID, G.
Bipolar microwave transistor technology
24 p3995 N91-32324
DAVID, KATJA
Plant production as part of a Controlled Ecological Life Support System (CELSS) 11 p1755 N91-19656
Physiological criteria and requirement of biomass production under controlled ecological life support systems 11 p1756 N91-19659
DAVID, L. P.
The onset of galactic winds in early-type galaxies
05 p0747 N91-14165
Gas flows in elliptical galaxies
05 p0748 N91-14170
DAVID, LEONARD W.
Utilization of space resources: A historical view
17 p2900 N91-26020
DAVID, MICHEL
PMR 15T: Preliminary characterization for the mechanical properties and manufacturing
03 p0330 N91-11842
DAVID, ROBERT E.
Location of commercial aircraft accidents/incidents relative to runways
[AD-A225225] 03 p0310 N91-11738
DAVID, S. A.
Weldability of nickel aluminides
[DE90-008557] 08 p1113 N91-16116
Bibliography of the technical literature of the Materials Joining Group, Metals and Ceramics Division, 1951--June 1989
[DE91-000530] 08 p1115 N91-16126
Computational modeling of GTA (Gas Tungsten Arc) welding with emphasis on surface tension effects
[DE91-004771] 09 p1348 N91-17405
Measurement of residual stresses by x ray diffraction near simulated heat affected zones in austenitic stainless steels
[DE91-008874] 13 p2052 N91-21289
Weldability of iron aluminides
[DE91-013730] 20 p3318 N91-28367
Welding of ductile intermetallic alloys
[DE91-009553] 20 p3357 N91-28594
Analysis of weld metal solidification and microstructures
[DE91-014574] 21 p3480 N91-29301
Non-equilibrium solidification in austenitic stainless steel welds
[DE91-014279] 23 p3814 N91-31277
Weldability and hot ductility of iron aluminides
[DE91-016343] 23 p3815 N91-31280
Effect of convection on weld pool development
[DE91-014213] 23 p3880 N91-31649
Weld pool solidification and microstructures
[DE91-014263] 23 p3880 N91-31650
BES welding science
[DE91-015625] 23 p3880 N91-31651
DAVID, VALERIE
Fourth European Symposium on Life Sciences Research in Space
[ESA-SP-307] 11 p1741 N91-19572

DAVIDIAN, KENNETH J.
A rocket engine design expert system
09 p1299 N91-17129
Design strategies for the International Space University's variable gravity research facility
14 p2204 N91-22171
The International Space University's variable gravity research facility design
[NASA-TM-105224] 23 p3800 N91-31196
DAVIDIAN, KENNETH O.
Developments in REDES: The rocket engine design expert system
[NASA-TM-103657] 01 p0020 N91-10119
DAVIDSEN, A. F.
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
DAVIDSON, BARRY D.
Probabilistic failure assessment with application to solid rocket motors 01 p0052 N91-10309
DAVIDSON, C.
Simulation, design, and fabrication of thin-film resistive-gate GaAs charge coupled devices
[DE91-000419] 07 p1072 N91-15902
DAVIDSON, D. L.
Fracture micromechanics of intermetallic and ceramic matrix continuous fiber composites
[AD-A236638] 20 p3303 N91-28280
DAVIDSON, DAVID L.
Crack growth processes at elevated temperatures in advanced materials
[AD-A233574] 16 p2647 N91-24658
DAVIDSON, FREDERIC M.
Avalanche photodiode photon counting receivers for space-borne lidars
[NASA-CR-187991] 10 p1529 N91-18423
Efficient dynamic phasefront modulation system for free-space optical communications
[AD-D014839] 16 p2690 N91-24892
DAVIDSON, GILBERT
Program to perform research on the density of the upper atmosphere using lidar techniques
[AD-A235549] 19 p3199 N91-27684
A program to operate and upgrade the GL low altitude lidar systems
[AD-A238081] 21 p3500 N91-29423
DAVIDSON, J. A.
Temperature dependent infrared cross sections for CFC-11, CFC-12, CFC-13, CFC-14, CFC-22, CFC-113, CFC-114 and CFC-115
[PB91-164780] 19 p3201 N91-27693
SOFIA: A Stratospheric Observatory for Infrared Astronomy
[NASA-TM-103840] 24 p4121 N91-33033
DAVIDSON, JACQUELINE A.
SOFIA: The Stratospheric Observatory For Infrared Astronomy 13 p2174 N91-22003
DAVIDSON, K. L.
CEAREX/Haakon Mosby meteorology atlas
[AD-A236752] 19 p3202 N91-27699
DAVIDSON, K. V.
Carbide fuels for nuclear thermal propulsion
[DE91-016032] 23 p3927 N91-31945
DAVIDSON, KEN
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987
01 p0092 N91-10534
DAVIDSON, MASHA B.
Infrasonic observations of large-scale HE events
08 p1216 N91-16694
DAVIDSON, N.
First principles calculation of the crystal structures in the 4d transition metals 15 p2498 N91-23835
DAVIDSON, R.
The current status and future prospects of smart composites 03 p0334 N91-11874
DAVIDSON, R. F.
Implementation and assessment of the mechanical-threshold-stress model using the EPIC2 and PINON computer codes
[DE90-017855] 03 p0380 N91-12123
Effects of anisotropy on dynamic tensile behavior
[DE91-014748] 21 p3533 N91-29632
DAVIDSON, S. J.
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252
DAVIDSON, T. F.
Maintaining technical excellence requires a national plan 20 p3291 N91-28196
Possible funding strategies 20 p3302 N91-28272
DAVIE, NEIL T.
Evaluation of uniaxial and triaxial shock isolation techniques for a piezoresistive accelerometer
[DE91-000773] 04 p0527 N91-12922
DAVIES, A. D.
Modelling the effects of vibration on visual performance
[ISVR-TR-171] 05 p0697 N91-13883
DAVIES, A. KELVIN
The effects of dazzle and dazzle generated afterimages on aiming and tracking performance
17 p2825 N91-25609
DAVIES, C. E.
Critical currents in sputtered YBCO films
[DE91-017976] 24 p4113 N91-32987
DAVIES, CAROL B.
SAGE: A 2-D self-adaptive grid evolution code and its application in computational fluid dynamics
02 p0146 N91-10853
DAVIES, E. B.
ESA Polar Platform ground segment: An Anglo-Norwegian perspective 14 p2211 N91-22211
DAVIES, ELIZABETH A.
Framework for an efficient two filter GLOC monitor
08 p1193 N91-16557
DAVIES, G. A. O.
Design-analysis-test 16 p2646 N91-24646
DAVIES, J. I.
Visibility and the selection of galaxies
22 p3771 N91-31028
DAVIES, J. K.
Radiatively-cooled telescopes for infrared space astronomy 13 p2180 N91-22048
UKIRT observer's manual
[ETN-91-99747] 23 p3938 N91-32008
DAVIES, K. T. R.
Gaussian elimination methods for calculating classical periodic trajectories in two dimensions
[DE91-017600] 24 p4093 N91-32869
DAVIES, M.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
DAVIES, MARTIN J. S.
Wave by wave analysis of in-line force data for fixed cylinders in regular waves
[IC-AERO-89-02] 05 p0661 N91-13672
DAVIES, P. K.
Chemistry of electronic ceramic materials. Proceedings of the International Conference on the Chemistry of Electronic Ceramic Materials
[NASA-CR-188688] 20 p3324 N91-28403
DAVIES, R.
Diurnal variation of marine stratocumulus over San Nicolas Island during the FIRE IFO
01 p0083 N91-10491
DAVIES, R. D.
IUE, optical and radio observations of high velocity gas components in the nearby interstellar medium
09 p1443 N91-17955
DAVIES, SIMON ROBERT
The supernova remnant G109.1-1.0 and the x-ray pulsar 1E2259+586 15 p2526 N91-24002
DAVILAACARON, JOSE BENIGNO
Wavenumber resonance in nonlinear wave interactions in the wake of a flat plate 09 p1334 N91-17328
DAVILAMASCARENHAS, NELSON DELFINO
Introduction to digital imagery processing
[INPE-5212-MD/46] 13 p2109 N91-21612
DAVIS, A.
Catalyst dispersion and activity under conditions of temperature-staged liquefaction
[DE91-016602] 23 p3811 N91-31261
DAVIS, A. M.
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
DAVIS, AUDIE W.
Right bundle branch block as a risk factor for subsequent cardiac events
[AD-A226596] 04 p0553 N91-13065
DAVIS, B. H.
Discrepancies in the crystal structures assigned to precipitated zirconia
[AD-A234644] 19 p3250 N91-27976
DAVIS, BRUCE E.
Geographic information systems: A primer
[AD-A231465] 13 p2169 N91-21974
Jackson State University's Center for Spatial Data Research and Applications: New facilities and new paradigms 19 p3269 N91-28079
DAVIS, C. CALVIN
Linear mass actuator
[NASA-CASE-LAR-14352-1] 24 p4028 N91-32511
DAVIS, CHARLES
Software for Optical Archive and Retrieval (SOAR) user's guide, version 4.2
[NASA-TM-105039] 22 p3726 N91-30739
DAVIS, CURTISS O.
Bio-optical profile data report coastal transition zone program, R/V Thomas Washington, June 24 - July 21, 1988
[NASA-CR-187908] 08 p1188 N91-16532
Bio-optical profile data report coastal transition zone program, R/V Point Sur, June 15-28, 1987
[NASA-CR-187807] 08 p1188 N91-16533
DAVIS, D. DALE, JR.
High-performance equation solvers and their impact on finite element analysis
[NASA-TM-102735] 02 p0224 N91-11252
DAVIS, D. O.
Evaluation of a technique to generate artificially thickened boundary layers in supersonic and hypersonic flows
[NASA-TP-3142] 20 p3280 N91-28136
Progress toward synergistic hypermixing nozzles
[NASA-TM-105169] 21 p3452 N91-29150
DAVIS, D. R.
Development of the data base for near-Earth resources 17 p2750 N91-25217
Data base on physical observations of near-Earth asteroids and establishment of a network to coordinate observations of newly discovered near-Earth asteroids
17 p2755 N91-25246
DAVIS, DAVID
Melt-processed bulk superconductors: Fabrication and characterization for power and space applications
15 p2542 N91-24082
DAVIS, DAVID O.
Experimental investigation of a single flush-mounted hypermixing nozzle
[NASA-TM-103726] 11 p1702 N91-19374
Experimental investigation of turbulent flow through a circular-to-rectangular transition duct
[NASA-TM-105210] 23 p3785 N91-31106
DAVIS, DEAN
Traffic Alert and Collision Avoidance System (TCAS): Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[NASA-TM-104956] 14 p2191 N91-22102
Traffic Alert and Collision Avoidance System (TCAS). Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[AD-A236109] 19 p3104 N91-27147
DAVIS, DICKIE D.
Device and method for providing accurate time and/or frequency
[US-PATENT-APPL-SN-471764]
03 p0368 N91-12060
DAVIS, DONALD R.
Near-Earth asteroids: Observer alert network and database analysis 16 p2597 N91-24390
DAVIS, DOUGLAS D.
Airborne sulfur trace species intercomparison campaign: Sulfur dioxide, dimethylsulfide, hydrogen sulfide, carbon disulfide, and carbonyl sulfide 17 p2796 N91-25464
DAVIS, EDWARD V., JR.
Software testing for evolutionary iterative rapid prototyping
[AD-A232555] 15 p2487 N91-23771
DAVIS, ESKER K.
Operations engineering: Time for a new paradigm
14 p2219 N91-22267
DAVIS, G. D.
A study of the influence of alloying additions on the passivity of aluminum
[AD-A232965] 16 p2600 N91-24410
DAVIS, G. R.
Cryogenic mechanisms for scanning and interchange of the Fabry-Perot interferometers in the ISO long wavelength spectrometer 16 p2641 N91-24614
DAVIS, GARY A.
Blade tip rubbing stress prediction
[NASA-CR-184100] 10 p1531 N91-18435
DAVIS, GLORIA J.
Computational needs survey of NASA automation and robotics missions. Volume 1: Survey and results
[NASA-TM-103860-VOL-1] 15 p2409 N91-23341
Computational needs survey of NASA automation and robotics missions. Volume 2: Appendixes
[NASA-TM-103860-VOL-2] 17 p2765 N91-25304
DAVIS, GREGORY L.
Experiences in porting NASTRAN (R) to non-traditional platforms 12 p1911 N91-20509
DAVIS, J. BRADLEY
Debris/ice/TPS assessment and photographic analysis for shuttle mission STS-41
[NASA-TM-103814] 08 p1100 N91-16041
Debris/ice/TPS assessment and photographic analysis for shuttle mission STS-38
[NASA-TM-103815] 09 p1295 N91-17113
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-37
[NASA-TM-103818] 16 p2564 N91-24218

Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-39
[NASA-TM-103820] 16 p2565 N91-24221
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-40
[NASA-TM-103822] 21 p3464 N91-29210

DAVIS, J. C.
The new LLNL AMS spectrometer
[DE90-010868] 08 p1108 N91-16084
Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538
New biomedical applications of radiocarbon
[DE91-006249] 10 p1563 N91-18597
Measurement of molybdenum mirror reflectivities
[DE91-013316] 22 p3754 N91-30927

DAVIS, J. F.
Modeling the dynamic Load/Unload behavior of ceramics under impact loading
[AD-A225999] 04 p0536 N91-12974

DAVIS, J. M.
Monitoring the response of the upper troposphere/lower stratosphere to a greenhouse gas scenario
[DE91-007976] 11 p1735 N91-19541

DAVIS, JAMES BRADLEY
Debris/ice/TPS assessment and photographic analysis for shuttle mission STS-35
[NASA-TM-103816] 11 p1655 N91-19118

DAVIS, JOHN
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201

DAVIS, JOHN G.
Cost-efficient manufacturing of composite structures
14 p2359 N91-23048

DAVIS, JOHN M.
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193

DAVIS, JOHN S.
Spacecraft Orbit Design and Analysis (SODA). Version 2.0: User's guide
[NASA-CR-187494] 09 p1386 N91-17625

DAVIS, LARRY S.
Vision-based navigation and parallel computing
[AD-A238570] 21 p3455 N91-29164

DAVIS, M. J.
Assessing the risk of transporting hazardous materals by aircraft: A case study
[DE91-014016] 20 p3281 N91-28147

DAVIS, M. K.
Design and fabrication issues for small-scale SMES
[DE91-014008] 22 p3656 N91-30353

DAVIS, MARC
High energy physics and cosmology
[DE91-006855] 10 p1618 N91-18920
High energy physics and cosmology
[DE91-006856] 10 p1618 N91-18921

DAVIS, MICHAEL
Radio astronomy 24 p4119 N91-33018

DAVIS, MICHAEL R.
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092

DAVIS, P. A.
Have graben wall scarps accumulated sand and dust on Mars? 18 p3086 N91-27062

DAVIS, PAMELA J.
In-situ pore structure analysis during aging and drying of gels
[DE91-000044] 02 p0195 N91-11089

DAVIS, PATRICIA P.
Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB]
13 p2048 N91-21270

DAVIS, PAUL K.
An analyst's primer for the RAND/ABEL trademark programming language
[AD-A236776] 19 p3231 N91-27859

DAVIS, PAUL M.
Specification goals for a Mars seismic network
06 p0788 N91-14360

DAVIS, R., JR.
Status of solar neutrino experiments
[DE91-007468] 10 p1625 N91-18964

DAVIS, RANDALL C.
A parametric shell analysis of the shuttle 51-L SRB AFT field joint
[NASA-TM-102748] 06 p0838 N91-14629
Test of superplastically formed corrugated aluminum compression specimens with beaded webs
[NASA-TM-104119] 20 p3319 N91-28373

DAVIS, RICHARD E.
Evaluation of cloud detection instruments and performance of laminar-flow leading-edge test articles during NASA Leading-Edge Flight-Test Program
[NASA-TP-2888] 16 p2560 N91-24199

DAVIS, ROBERT B.
Filament wound metal lined propellant tanks for future Earth-to-orbit transports
[NASA-TM-100594] 01 p0018 N91-10106

DAVIS, ROBERT F.
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device structures
[AD-A225883] 04 p0518 N91-12885
Pseudomorphic semiconducting heterostructures from combinations of AlN, GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A225893] 04 p0588 N91-13284
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and the subsequent fabrication of superlattice structures using AlN and InN
[AD-A225894] 04 p0588 N91-13285
Growth, characterization and device development in monocrystalline diamond films
[AD-A227238] 06 p0882 N91-14871
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device
[AD-A228758] 08 p1135 N91-16246
Growth, characterization and device development in monocrystalline diamond films
[AD-A230186] 12 p1873 N91-20293
Pseudomorphic semiconducting heterostructures from combinations of AlN and GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A230268] 12 p1988 N91-20938
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and subsequent fabrication of superlattice structures using AlN and InN
[AD-A230269] 12 p1988 N91-20939
Integrated synthesis and post processing of silicon carbide and aluminum nitride
[AD-A230810] 13 p2056 N91-21317
Atomic layer epitaxy of silicon, silicon/germanium, and silicon carbide via extraction/exchange processes
[AD-A231348] 13 p2163 N91-21927
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device structures
[AD-A232160] 15 p2518 N91-23955
Growth, characterization, and device development in monocrystalline diamond films
[AD-A235731] 19 p3251 N91-27983
Growth, characterization, and device development in monocrystalline diamond films
[AD-A237463] 21 p3595 N91-30000
Atomic layer epitaxy group IV materials: Surface processes, thin films, devices and their characterization
[AD-A238506] 21 p3598 N91-30019
Pseudomorphic semiconducting heterostructures from combinations of AlN, GaN and seleced SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterizaiton and device development
[AD-A238520] 21 p3598 N91-30020
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and the subsequent fabrication of superlattice structures using AlN and InN
[AD-A238521] 21 p3598 N91-30021

DAVIS, ROGER EDWARD
Secondary flow and three-dimensional separation in curved circular ducts 09 p1334 N91-17329

DAVIS, ROGER L.
Investigation of hot streak migration and film cooling effects on the heat transfer in rotor/stator interacting flows
[AD-A235420] 18 p2926 N91-26145

DAVIS, S.
Effects of clinostat rotation on aurelia statolith synthesis 17 p2820 N91-25582
A guidebook for the control of summer heat islands
[DE91-016246] 24 p4042 N91-32586

DAVIS, S. C.
Transportation energy data book
[DE91-010433] 16 p2653 N91-24681

DAVIS, S. J.
Vibrationally assisted transfer laser
[AD-A235479] 19 p3171 N91-27532

DAVIS, STEVEN B.
Real-time application of advanced three-dimensional graphic techniques for research aircraft simulation
[NASA-TM-101730] 11 p1776 N91-19742

DAVIS, THOMAS J.
A piloted simulator evaluation of a ground-based 4-D descent advisor algorithm 02 p0176 N91-11000

DAVIS, TIMOTHY C.
A case study of the 19 October 1989 polar cap absorption event using the imaging riometer for ionospheric studies
[AD-A227764] 08 p1178 N91-16487

DAVIS, TOM
Operational efficiency 09 p1283 N91-17055

DAVIS, VICTORIA A.
Physical processes associated with current collection by plasma contactors 09 p1403 N91-17722
NASCAP/LEO calculations of current collection
09 p1405 N91-17733

DAVIS, VIRGIL LEON
Robotic control and inspection verification
15 p2541 N91-24075

DAVIS, W. T.
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068

DAVIS, WILLIAM H.
Rail circuit augmentation
[AD-A234944] 18 p2934 N91-26184

DAVIS, WILLIAM S.
Architecture for spacecraft operations planning
12 p1940 N91-20674

DAVIS, WILLIAM T.
Packaging, development, and on-orbit assembly options for large geostationary spacecraft
[NASA-TP-3088] 19 p3110 N91-27182

DAVISON, J. E.
Phase equilibrium modeling for high temperature metallization on GaAs solar cells
11 p1668 N91-19192
Calculation of Gallium-metal-Arsenic phase diagrams
22 p3633 N91-30214

DAVOUST, E.
Tidal distortions in pairs of early-type galaxies
08 p1247 N91-16869

DAVYDOVA, N. A.
Reaction of sympathoadrenal system of cosmonauts after long missions on Salyut-7 orbital spacecraft
22 p3714 N91-30672
Reaction of sympathoadrenal system of cosmonauts after long missions on Salyut-7 orbital spacecraft
22 p3716 N91-30686

DAW, C. S.
Interpretation of engine cycle-to-cycle variation by chaotic time series analysis
[DE91-000729] 05 p0709 N91-13955

DAW, V.
Unifying the controlling mechanisms for the critical heat flux and quenching: The ability of liquid to contact the hot surface
[DE91-005946] 19 p3257 N91-28015

DAWBARN, RONALD
Infrared sensor test methodology and facilities
11 p1659 N91-19139

DAWES, WILLIAM R., JR.
Radiation hardening of a high voltage IC technology (BCDMOS)
[DE90-008345] 08 p1131 N91-16220

DAWKINS, WILLIAM P.
User's guide: Computer program for two-dimensional analysis of U-frame or W-frame structures (CWFRAM)
[AD-A229059] 09 p1385 N91-17619

DAWSON, A. M.
Develop and test an Internally Cooled, Cabled Superconductor (ICCS) for large scale MHD magnets
[DE91-005536] 10 p1609 N91-18862
MIT ASTROMAG 1.7 meter disk magnet design report
[NASA-CR-187931] 14 p2322 N91-22824

DAWSON, BRUCE
The AMPS
[AD-A225988] 04 p0563 N91-13123

DAWSON, D.
Bolted stress relaxation testing of polymeric materials
[NPL-DMM(A)-12] 12 p1915 N91-20533
On the control of two manipulators holding a rigid object in the presence of uncertainty
[DE90-017742] 15 p2438 N91-23508

DAWSON, J.
Radiation damage testing of transistors for SSC front-end electronics
[DE91-005440] 09 p1328 N91-17294

DAWSON, J. F.
Electromagnetic studies of nuclear structure and reactions
[DE91-006820] 10 p1592 N91-18782

DAWSON, J. M.
Novel plasma-based frequency upshift methods for short pulse lasers
[DE91-000411] 03 p0370 N91-12076

DAWSON, L. R.
Photoluminescence studies of In(x)Ga(1-x)As/Al(y)Ga(1-y)As strained-layer structures
[DE90-017031] 02 p0278 N91-11561

Far-infared laser spectroscopy of two dimensional holes in strained-layer heterostructure and superlattices
[DE91-000027] 08 p1235 N91-16805
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510
An overview of the electronic properties of InAs(1-x)Sb(x) strained-layer superlattices (O less than or equal to x less than or equal to 1)
[DE91-017458] 24 p4111 N91-32976

DAWSON, R.
Small Engine Component Technology (SECT)
[NASA-CR-175078] 16 p2561 N91-24205

DAWSON, R. L.
The use of the plane wave fluid-structure interaction loading approximation in NASTRAN
12 p1912 N91-20518

DAWSON, S.
W(sub L)W(sub L) scattering at the SSC
[DE91-008442] 11 p1796 N91-19851

DAWSON, VIRGINIA PARKER
Engines and innovation: Lewis Laboratory and American propulsion technology
[NASA-SP-4306] 07 p1087 N91-15975

DAY, A. C.
Radioisotope thermal photovoltaic application of the GaSb solar cell 11 p1671 N91-19210

DAY, B. P.
Ion engine development at the Royal Aircraft Establishment, Farnborough
[RAE-TR-71102] 19 p3113 N91-27202
Experiments with the first RAE electron bombardment ion exchange
[RAE-TR-71023] 19 p3240 N91-27917

DAY, D. R.
The dynamic performance of a variety of seat cushion materials under vertical impact loads
[DCIEM-88-TR-53] 22 p3615 N91-30111

DAY, DAVID S.
The AMPS
[AD-A225988] 04 p0563 N91-13123

DAY, G. W.
Faraday effect current sensing using a Sagnac interferometer with a 3 x 3 coupler
[DE90-016436] 07 p1004 N91-15515
Technical Digest-Symposium on Optical Fiber Measurements, 1990
[PB91-132308] 16 p2688 N91-24879
Fiber-optic sensors for aerospace electrical measurements: An update
[NASA-TM-104454] 17 p2779 N91-25381

DAY, I.
Analysis of the performance of a single-auxiliary sidelobe canceller
[RSRE-MEMO-4375] 08 p1127 N91-16193

DAY, MICHELLE
Seed sprout production: Consumables and a foundation for higher plant growth in space
23 p3904 N91-31790

DAY, R. D.
Electrodeposited coatings for diamond turning applications
[DE91-009950] 15 p2405 N91-23315

DAY, WILLIAM B.
Distributed multi-agent planning
[AD-A233522] 16 p2670 N91-24780
Strategies for parallel AI implementations
[AD-A234449] 18 p3045 N91-26811

DAYAL, R. K.
Compatibility studies of copper, brass and cupronickel with Hytherm-500 thermofluid
[DE91-618664] 16 p2602 N91-24421

DAYAN, TAL
Object memory management
[ITN-90-85053] 07 p1038 N91-15693

DAYSH, COLIN
A NASA/RAE cooperation in the development of a real-time knowledge-based autopilot
[NASA-TM-104234] 24 p4090 N91-32850

DAYTON, D. P.
Urban air toxics monitoring program, 1989
[PB91-148262] 17 p2806 N91-25513

DAZEVEDO, E. F. D.
An automatic ordering method for incomplete factorization iterative solvers
[DE91-001974] 08 p1210 N91-16659

DCRUZ, L.
High-temperature alloys for high-power thermionic systems
[DE91-009292] 15 p2402 N91-23299

DE, BHOLA N.
Diamondlike carbon as a moisture barrier and antireflecting coating on optical materials
10 p1509 N91-18302
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737

DEA, J. Y.
Observations of ELF signatures arising from space vehicle disturbances of the ionosphere
[AD-A236563] 19 p3152 N91-27423

DEACETIS, LOUIS A.
Final Report
[NASA-CR-188589] 17 p2831 N91-25637

DEADMORE, DANIEL L.
Quality control of the tribological coating PS212
[NASA-TM-102067] 17 p2744 N91-25186

DEADRICK, F. J.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797

DEADWYLER, SAMUEL A.
Multiple neuron recording in the hippocampus of freely moving animals
[AD-A232934] 16 p2661 N91-24725

DEALMEIDAPRADO, ANTONIO FERNANDO BERTACHIN
A stochastic approach to the problem of spacecraft optimal manoeuvres
[INPE-5192-PRE/1660] 13 p2031 N91-21171

DEAN-DAY, JONATHAN
Applications of the ER-2 meteorological measurement system 17 p2794 N91-25457

DEAN, D. J.
A dynamical picture of hadron-hadron collisions with the string-parton model
[DE91-016278] 24 p4095 N91-32881

DEAN, ED
Systems engineering and integration: Cost estimation and benefits analysis 09 p1283 N91-17052

DEAN, G. D.
Creep and physical ageing in PVC at high stresses
[NPL-DMM(A)-17] 12 p1876 N91-20313
Committee draft for an ISO standard on the acquisition and presentation of multipoint data for plastics
[NPL-DMM(A)-24] 15 p2406 N91-23320

DEAN, JANET S.
An evaluation of the NEKTON program
[AD-A237888] 21 p3514 N91-29513

DEAN, KEN
The influence of the hydrologic cycle on the extent of sea ice with climatic implications
[NASA-CR-188716] 22 p3702 N91-30607

DEAN, L. A.
Software development experiences with a distributed database in a large, distributed computer system
[DE91-012818] 20 p3384 N91-28750
Distributed relational database design and implementation for a large, distributed computer system
[DE91-012812] 20 p3438 N91-29077

DEAN, WILLIAM E.
How low can an unmanned air vehicle fly?
[RAND-P-7680-RGS] 18 p2925 N91-26138

DEANGELIS, R. M.
Mariners Weather Log, Volume 33, Number 1, Winter, 1989
[PB90-179987] 01 p0074 N91-10447
Mariners Weather Log, Volume 34, Number 2, Spring 1990
[PB90-222324] 01 p0092 N91-10537
Mariners Weather Log, Volume 34, Number 3, Summer, 1990
[PB90-268608] 09 p1368 N91-17516
Mariners Weather Log, Volume 34, Number 4, Fall, 1990
[PB91-124099] 17 p2812 N91-25539

DEANGELIS, V. MICHAEL
Techniques for hot structures testing
[NASA-TM-101727] 11 p1647 N91-19080

DEARDORFF, M. B.
Technology transfer needs assessment, 1990
[PB91-125674] 13 p2171 N91-21985

DEARELLANO-LOPEZ, A. R.
High-temperature mechanical properties of SiC whisker reinforced Al2O3 composites
[DE91-004424] 07 p0970 N91-15324

DEARHOLT, DONALD W.
Proceedings of the 1st Workshop on Proximity Graphs
[AD-A237250] 21 p3565 N91-29818

DEAROSA, NELSON
Application of remote sensing data integrated with a digital elevation model in the geobotanical research in the Carajas Mountains
[INPE-5189-PRE/1657] 14 p2284 N91-22630

DEASON, V. A.
High pulse rate interferometry using a ruby laser and a Cordin model 360 camera
[DE91-001882] 05 p0666 N91-13703
A convenient system for the manufacture of holographic diffraction gratings
[DE90-009481] 08 p1147 N91-16319
A convenient system for diffraction moire measurements
[DE90-010980] 08 p1223 N91-16739

DEASY, KEVIN
Intellectual property protection for software
[AD-A236125] 19 p3228 N91-27844

DEATON, A. W.
Properties of the optimal trajectories for coplanar, aeroassisted orbital transfer
[NASA-CR-187733] 06 p0789 N91-14366
Decomposition technique and optimal trajectories for the aeroassisted flight experiment
[NASA-CR-187734] 06 p0790 N91-14367

DEATON, JOHN
Adaptive function allocation for intelligent cockpits
[AD-A239714] 23 p3907 N91-31808

DEATON, JOHN E.
The development of perceptual/motor and cognitive performance measures under a high-G environment: A preliminary study
[AD-A231289] 13 p2127 N91-21709

DEB, KALYANMOY
An investigation of messy genetic algorithms
[NASA-CR-187268] 04 p0557 N91-13086

DEBAKKER, J. W.
Concurrency semantics based on metric domain equations
[CWI-CS-R8954] 03 p0404 N91-12248
Fully abstract denotational models for nonuniform concurrent languages
[CWI-CS-R9027] 10 p1573 N91-18654
Metric POMsets semantics for a concurrent language with recursion
[CWI-CS-R9033] 10 p1574 N91-18656
Four domains for concurrency
[CWI-CS-R9068] 17 p2845 N91-25725

DEBANY, WARREN H., JR.
Digital logic testing and testability
[AD-A234123] 18 p2978 N91-26441

DEBARYSHE, P. GREGORY
Holographic optical head
[AD-A229192] 09 p1340 N91-17358

DEBENHAM, PHILIP H.
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532

DEBERG, MARK
Hidden surface removal for axis-parallel polyhedra
[RUU-CS-90-21] 06 p0858 N91-14736
Finding shortest paths in the presence of orthogonal obstacles using a combined L sub 1 and link metric
[RUU-CS-90-20] 06 p0864 N91-14777
Dynamic output-sensitive hidden surface removal for c-oriented polyhedra
[RUU-CS-91-06] 23 p3912 N91-31839
Hidden surface removal for c-oriented polyhedra
[RUU-CS-90-33] 23 p3920 N91-31899

DEBERNARDIS, PAOLO
Sub-millimetric cosmology: From ground based to space observations 13 p2173 N91-21991
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation
13 p2179 N91-22040
The TIR project: A balloon telescope for the measurement of CBR anisotropies
13 p2180 N91-22041
A high throughput, multiband photometer for the TIR project 13 p2180 N91-22042

DEBEST, X. A.
Configurable spacecraft control systems
14 p2222 N91-22287

DEBIEZ, S.
Study of the metallurgical effects of hammering between passes during C-Mn weld deposition
[CETIM-104850] 05 p0637 N91-13532
The effects of thermal treatment after welding on the functional properties of assemblies. Follow-up of the work on Cr-Mo
[CETIM-104720] 05 p0672 N91-13739
Study of the metallurgical consequences of hammering between passes to compensate for the withdrawal of metal caused by welding
[CETIM-104430] 05 p0673 N91-13741

DEBLOK, M.
Time interpolator
[DIGEL-1990-3] 08 p1151 N91-16337

DEBLON, F.
Advances in navigation support systems based on operational pilot's heuristics
[RAE-TRANS-2184] 09 p1276 N91-17012

DEBNAM, W. J.
Radiographic instrumentation for DPM experiments
13 p2065 N91-21373

DEBNEY, B. T.
Coherent fiber optic links
[AD-A233465] 16 p2689 N91-24889
DEBOER, A.
The nonlinear analysis part of B2000: A first evaluation
[NLR-TR-88109-U] 14 p2278 N91-22599
DEBOER, F. S.
From failure to success: Comparing a denotational and a declarative semantics for Horn clause logic
[CWI-CS-R9019] 10 p1572 N91-18649
The failure of failures: Towards a paradigm for a synchronous communication
[RUU-CS-90-40] 23 p3911 N91-31835
DEBOER, FRANK S.
Semantic models for a version of PARLOG
[CWI-CS-R8951] 03 p0403 N91-12245
Control flow versus logic: A denotational and a declarative model for guarded Horn clauses
[CWI-CS-R8952] 03 p0403 N91-12246
Proving termination of parallel programs
[CWI-CS-R9016] 07 p1053 N91-15786
A fully abstract model for concurrent logic languages
[CWI-CS-R9046] 17 p2833 N91-25655
DEBOER, W. P.
Handling qualities guidelines for the design of fly-by-wire flight control systems for transport aircraft
15 p2371 N91-23119
DEBOLT, R. O.
Atmospheric 60-GHz oxygen spectrum: Modeling and laboratory measurements
[PB91-172809] 19 p3187 N91-27626
DEBONI, THOMAS M.
SISAL 1.2: High-performance applicative computing
[DE90-011461] 07 p1053 N91-15780
DEBONIS, JAMES R.
Experimental and analytical studies of flow through a ventral and axial exhaust nozzle system for STOVL aircraft
[NASA-TM-104364] 17 p2742 N91-25175
DEBOO, J. C.
A multi-laser system for a fast sampling Thomson scattering diagnostic
[DE91-002708] 05 p0667 N91-13705
A silicon avalanche photodiode detector circuit for Nd:YAG laser scattering
[DE91-002709] 05 p0667 N91-13706
A compact, low cost, 7 channel polychromator for Thomson scattering measurements
[DE91-002719] 05 p0721 N91-14024
A real-time digital control, data acquisition and analysis system for the DIII-D multipulse Thomson scattering diagnostic
[DE91-002720] 05 p0721 N91-14025
Scaling dimensionally similar tokamak discharges to ignition
[DE90-010079] 08 p1225 N91-16749
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
Comparison of dimensionally similar discharges with similar heat deposition discharges
[DE91-011740] 18 p3066 N91-26938
H-mode energy confinement scaling from the ASDEX, DIII-D, and jet tokamaks
[DE91-015145] 21 p3588 N91-29957
DEBOOR, CARL
Spline functions and surfaces
[AD-A230651] 12 p1971 N91-20845
Approximation from shift-invariant surfaces of L2(IRd)
[AD-A238165] 21 p3566 N91-29826
DEBRIE, R.
Ionospheric plasma simulation in a large space simulator 07 p0953 N91-15236
DEBRUIJN, E. I. F.
Technical description of the high-resolution air mass transformation model at KNMI
[KNMI-TR-125] 15 p2463 N91-23646
DEBY, ROLF
Sets and constraints in an object-oriented data model
[REPT-91-11] 22 p3731 N91-30775
DEBY, ROLF A.
Inheritance in an object-oriented data model
[MEMO-INF-90-77] 22 p3746 N91-30876
DECARVALHOVIEIRA, ANASTACIO EMANUEL
Satellite control system nucleus for the Brazilian complete space mission 14 p2210 N91-22203
DECASSIAMENESESRODRIGUES, RITA
Control of a maintenance system when failure and repair times have phase type distributions
[INPE-5104-TDL/418] 03 p0349 N91-11946
DECASTRO, F. L. J.
A zero-dimensional model of turbulent combustion in a homogeneous charge spark ignition engine
03 p0336 N91-11885
DECEUNINCK, W.
A new approach to the reliability of electronic material systems 24 p3993 N91-32310
DECH, STEFAN W.
Investigations into the dynamics of sea ice in the east Greenland sea region, in May 1988, using NOAA-AVHRR data 04 p0541 N91-13002
DECH, STEFAN WERNER
Sea ice monitoring in the east Greenland sea in May 1988 by means of remote sensing, with special emphasis on the computer-aided AVHRR-based extraction of sea ice motions
[DLR-FB-90-36] 15 p2470 N91-23687
DECHAUMPHAI, PRAMOTE
Thermal-structural finite element analysis using linear flux formulation
[NASA-TM-102746] 03 p0379 N91-12115
Finite element thermo-viscoplastic analysis of aerospace structures
[NASA-TM-102761] 08 p1164 N91-16407
DECK, BRUCE
The Cl-36 in the stratosphere
17 p2794 N91-25459
DECKELMAN, JAMES A.
Sedimentation and tectonics in the northeastern and central Amadeus Basin, central Australia
19 p3193 N91-27653
Recognition of a fluvial facies in the Pacoota Sandstone and its implications for petroleum exploration
19 p3195 N91-27666
Mesothrust versus megathurst interpretations of the structure of the northeastern Amadeus Basin, central Australia 19 p3196 N91-27671
DECKER, ARTHUR J.
Three-dimensional computed tomography from interferometric measurements within a narrow cone of views
[NASA-TM-103257] 11 p1708 N91-19404
Optical inspection of space-propulsion components using an injection seeded Nd:YAG laser system
16 p2584 N91-24320
DECKER, D. L.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923
DECKER, JENNIE J.
The effects of display failures and symbol rotation on visual search and recognition performance
[AD-A235035] 18 p3033 N91-26743
The effects of character size, modulation, polarity, and font on reading and search performance in matrix-addressable displays
[AD-A235033] 18 p3077 N91-27007
The effect of rotation on legibility of dot-matrix characters
[AD-A235034] 18 p3077 N91-27008
The effects of line and cell failures on reading and search performance using matrix-addressable displays
[AD-A235947] 19 p3213 N91-27762
DECKER, LOUIS
Intelligent tutoring systems for systems engineering methodologies
[NASA-CR-188586] 16 p2672 N91-24791
DECKER, M.
Calibration transfer target for a microwave radiometric profiling system
[PB91-129080] 13 p2116 N91-21647
DECKER, M. T.
Calibration of ground-based microwave radiometers for atmospheric remote sensing
[PB91-183111] 19 p3170 N91-27525
DECKER, W. L.
Simulated effects of a doubling of carbon dioxide on corn production in portions of the central US
[DE91-016843] 23 p3892 N91-31722
DECKER, WILLIAM
The Software Management Environment (SME)
01 p0105 N91-10609
DECLERCK, G.
Optimization of CMOS technology and design for deep cryogenic analog circuits 24 p3991 N91-32296
DECOFANO, R. P.
Enable Kit (MC-4246) for the DOT Charged Line System: Welding development report for 1/4-inch tubes and fittings
[DE91-002577] 06 p0833 N91-14606
DECONINCK, H.
Investigation of Roe's 2D wave decomposition models for the Euler equations
[VKI-TN-172] 15 p2426 N91-23436
Two dimensional optimization of smoothing properties of multistage schemes applied to hyperbolic equations
[VKI-TN-173] 15 p2493 N91-23807
DECONINCK, HERMAN
Upwind methods and multidimensional splittings for the Euler equations 24 p4012 N91-32429
Fluctuation splitting schemes for the 2D Euler equations 24 p4012 N91-32430
DECORSO, M.
Application of ceramics to industrial gas turbines
[DE91-013140] 21 p3484 N91-29330
DECOURSIN, D. G.
A summary of European and Japanese hypersonic facility activities 16 p2578 N91-24287
DECRAMER, L.
Neutral buoyancy and microgravity: Extravehicular activities with a humid water suit
15 p2451 N91-23579
DECREMIERS, M.
SCI3: A knowledge based system for on-board assistance with the interpretation of infra-red images
17 p2731 N91-25123
SEAN: A navigation aid expert system for combat aircraft 17 p2734 N91-25137
DECRISTOFARO, M. L.
Multiparameter SAR data: Geological applications
07 p0993 N91-15452
DECUYPERE, R.
Low level turbulence detection by a laser velocimetry technique: Application to transonic flows
[AAAF-NT-89-07] 23 p3784 N91-31101
DEDE, CHRISTOPHER J.
PC tools for project management: Programs and the state-of-the-practice
[NASA-CR-187392] 04 p0558 N91-13094
Factors shaping the evolution of electronic documentation systems
[NASA-CR-187257] 04 p0605 N91-13363
Designing a training tool for imaging mental models
[NASA-CR-187891] 13 p2139 N91-21776
Hypermedia as medium 13 p2166 N91-21952
DEDERER, J. T.
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
DEECKE, L.
Vertically moving visual stimuli and vertical vection: A tool against space motion sickness
11 p1747 N91-19606
DEERENBERG, E.
On the vectorization and parallelization of the shooting method using the convex C-240
[LR-639] 11 p1723 N91-19491
DEES, D. W.
Development of high performance sodium/metal chloride cells
[DE90-017668] 02 p0207 N91-11159
Evaluation of novel solid electrolyte materials
[DE90-011164] 08 p1133 N91-16231
DEFARIA, KLEBER
Mapping of vegetation/land use of indigenous areas utilizing TM/LANDSAT data
[INPE-5115-RPE/626] 03 p0384 N91-12139
Evaluation of indigenous areas utilizing TM/LANDSAT data
[INPE-5173-PRE/1642] 13 p2114 N91-21636
Impact of anthropogenic effects on the Lake Acu basin based on LANDSAT imagery
[INPE-5020-RPE/614] 22 p3696 N91-30578
DEFATIMAMATTIELLOFRANCISCO, MARIA
The antenna manager software for the Brazilian satellite: Implementation and study 14 p2211 N91-22214
DEFEO, P.
Methodology for development and verification of flight critical systems
[AD-A229800] 12 p1843 N91-20132
DEFFENBAUGH, DANNY M.
On-Orbit Compressor Technology Program
[NASA-CR-185645] 16 p2636 N91-24594
DEFIGUEIREDO, DIVINO CRISTINO
System for obtaining the vegetative index of South America by digital processing of NOAA/AVHRR imagery
[INPE-5068-TDL/407] 04 p0539 N91-12988
DEFIGUEIREDO, RUI J. P.
Method and apparatus for sensor fusion
[NASA-CASE-MSC-21334-1] 17 p2767 N91-25317
DEFOURNEAU, D.
PAHs molecules and heating of the interstellar gas
06 p0894 N91-14939
DEFRANCISCIS, G.
Effect of the centrifuge forces on pregnant rats
11 p1751 N91-19629
DEFREES, D.
Exobiology in Earth orbit: The results of science workshops held at NASA, Ames Research Center
[NASA-SP-500] 06 p0856 N91-14725
DEFREES, DOUG J.
The effect of ionization on the infrared absorption spectra of PAHs: A preliminary report
06 p0894 N91-14937

DEFREITAS, M.
Short crack behaviour in Al-Li alloy 2090
02 p0222 N91-11243
DEFRIES, RUTH S.
Global Change and Our Common Future. Papers from a Forum
[LC-89-62950] 09 p1357 N91-17453
DEGABAI, D.
A ground based expert system for Hermes orbital operations planning 14 p2213 N91-22227
DEGANI, ASAF
Human factors of flight-deck checklists: The normal checklist
[NASA-CR-177549] 19 p3103 N91-27144
DEGASPERIS, A.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585
DEGEN, GREGG FRANCIS
Optimization of a power transient stability program on a vector supercomputer: Theory and applications
[AD-A227884] 08 p1202 N91-16607
DEGENER, M.
Experiences with and prospects for dynamic mechanical testing of spacecraft structures
07 p0956 N91-15256
DEGEUS, FRED
Physiological modelling using RL
[ITLI-CT-90-08] 22 p3718 N91-30695
DEGIORGI, V. G.
Three dimensional variable constraint effects in fracture initiation
[AD-A233386] 16 p2647 N91-24657
DEGOEDE, ERIK D.
Stabilization of a time integrator for the 3D shallow water equations by smoothing techniques
[CWI-NM-R8916] 02 p0209 N91-11167
NUMVEC FORTRAN library manual. Chapter: Partial differential equations. Routine: OEHPC
[CWI-NM-R8915] 02 p0252 N91-11399
A time splitting method for the three-dimensional shallow water equations
[CWI-NM-R9013] 17 p2845 N91-25727
DEGOER, J.
Directional solidification of eutectics (TEXUS 6)
23 p3838 N91-31404
DEGRAAF, H. A. L.
Predesign of an experimental (5-10 MWt) disk MHD facility and prospects of commercial (1000 MWt) MHD/steam systems
[EUT-90-E-243] 22 p3757 N91-30945
DEGRAAUW, THIJS
FIR and sub-mm direct detection spectrometers for spaceborne astronomy 13 p2178 N91-22026
The mm and sub-mm wave planar antenna arrays for SIS detectors 13 p2180 N91-22046
DEGRASSIE, J. S.
Soliton Microwave Generator
[DE91-008277] 11 p1695 N91-19335
DEGRE, YVON
Examination of the removal of a high module wire placed on a deformable mandrel
[REPT-911-430-116] 16 p2589 N91-24348
DEGREEF, LEO H.
NASA DC-8 airborne research laboratory
17 p2795 N91-25460
DEGRIEFF, H. J.
Processes for assessing the thermal stability of HAN-based liquid propellants: Revision
[AD-A224999] 04 p0510 N91-12832
DEGROAT, JOANNE E.
A generalized extraction system for VLSI
[AD-A230396] 12 p1892 N91-20404
A prolog system for converting VHDL-based models to Generalized Extraction System (GES) rules
[AD-A238545] 21 p3553 N91-29741
DEGROH, KIM K.
Atomic oxygen undercutting of LDEF aluminized Kapton multilayer insulation 16 p2715 N91-25027
Low Earth orbital atomic oxygen micrometeoroid, and debris interactions with photovoltaic arrays
22 p3639 N91-30248
DEGROOT, J. S.
Measurements of the ion acoustic decay instability and the resultant enhanced laser absorption and enhanced bremsstrahlung in laser-plasma interaction experiments
[DE91-014250] 20 p3418 N91-28956
Measurements of the ion acoustic decay instability and the resultant thermal and suprathermal electron heating in laser-plasma interaction experiments
[DE90-012477] 21 p3585 N91-29941
DEGROOT, M. S.
Molecular and mass spectroscopic analysis of isotopically labeled organic residues
06 p0898 N91-14961
DEGROOT, ROLF P.
Epidermal growth factor induced signal transduction in A431 cells is influenced by altered gravity conditions
11 p1750 N91-19623
DEGROOTE, STEVE
Research flight-control system development for the F-18 high alpha research vehicle
[NASA-TM-104232] 14 p2196 N91-22131
DEGTYAREV, V. I.
Modelling the dynamics of fluxes of electrons with energies 30-300 keV in geostationary orbit
18 p2932 N91-26173
DEGUIRE, MARK R.
Spatial variations in ac susceptibility and microstructure for the YBa2Cu3O(7-x) superconductor and their correlation with room-temperature ultrasonic measurements
[NASA-TM-103787] 13 p2099 N91-21553
The series Bi2Sr2Ca(n-1) Cu(n)O(2n+4) (1 less than or equal to n less than or equal to 5): Phase stability and superconducting properties
[NASA-TM-103749] 13 p2160 N91-21910
Ultrasonic evaluation of oxidation and reduction effects on the elastic behavior and global microstructure of YBa2Cu3O7-x
[NASA-TM-104529] 19 p3178 N91-27575
DEGUNST, M. E.
Automatic extraction of roads from SPOT images
[ETN-91-99417] 17 p2801 N91-25496
DEHAAN, L.
Optimal choice of sample fraction in extreme-value estimation
[CWI-BS-R8927] 02 p0264 N91-11476
DEHAAS, J.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919
DEHART, C.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
DEHARVENG, LISE
Reddening and extinction towards H II regions
06 p0886 N91-14898
DEHEER, ERIK P.
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169
DEHEL, THOMAS
Aeronautical Mobile Satellite Service (AMSS) capacity analysis and protocol performance simulation plan
[DOT/FAA/CT-TN90/35] 07 p0962 N91-15295
DEHEL, THOMAS F.
Aeronautical Mobile Satellite Service (AMSS) message and voice access request transit delay
24 p3956 N91-32107
DEHLING, H.
Strong approximation on log dense sets
[W-9101] 23 p3922 N91-31916
DEHLING, H. G.
The Islamic mean: A peculiar L-statistic
[W-9013] 10 p1587 N91-18751
DEHOFF, P. H.
Magnetostrictive direct drive motor
[NASA-CR-188006] 14 p2270 N91-22561
A magneto-sensitive skin for robots in space
[NASA-CR-188956] 24 p4029 N91-32512
DEHOFF, RONALD
Development of life prediction capabilities for liquid propellant rocket engines. Post-fire diagnostic system for the SSME system architecture study
[NASA-CR-187112] 18 p2938 N91-26205
DEIMEL, LIONEL E.
Reading computer programs: Instructor's guide to exercises
[AD-A228026] 07 p1052 N91-15775
DEIMEL, PETER P.
Structural and electronic properties of doped a-Si(1-x)Ge(x): H alloys grown with H-solution
[MBB-Z-0251-89-PUB] 03 p0424 N91-12375
Micromechanical concepts in optics and optoelectronics
[MBB-Z-0339-90-PUB] 23 p3928 N91-31949
DEININGER, WILLIAM D.
High temperature refractory member with radiation emissive overcoat
[NASA-CASE-NPO-17122-1-CU]
06 p0813 N91-14489
DEINO, A. L.
K/T age for the popigai impact event
11 p1820 N91-19999
DEISSLER, ROBERT G.
Comment on local energy transfer and nonlocal interactions in homogeneous, isotropic turbulence (Phys. Fluids A2, 413 (1990))
[NASA-TM-103263] 05 p0655 N91-13638
Turbulent fluid motion. Part 1: The phenomenon of fluid turbulence
[NASA-TM-103723] 12 p1899 N91-20445
Turbulent fluid motion 2: Scalars, vectors, and tensors
[NASA-TM-103756] 19 p3162 N91-27487
DEITINGHOFF, H.
Design and application possibilities of superconducting radio-frequency quadrupoles
[DE91-004477] 06 p0883 N91-14881
DEITZ, PAUL H.
High-resolution vulnerability methods and applications
[AD-A230036] 12 p1972 N91-20850
DEITZ, VICTOR R.
Regeneration of whetlerite for adsorbing toxic pollutants from air
[AD-D014859] 18 p3035 N91-26753
DEIWERT, GEORGE S.
SAGE: A 2-D self-adaptive grid evolution code and its application in computational fluid dynamics
02 p0146 N91-10853
DEJARNETTE, FRED R.
An approximate viscous shock layer technique for calculating chemically reacting hypersonic flows about blunt-nosed bodies
[NASA-CR-187617] 24 p4014 N91-32441
DEJNEKA, KATHERINE Y.
Ventilation loss and pressurization in the NASA launch/entry suit: Potential for heat stress
[NASA-CR-188075] 13 p2129 N91-21719
DEJOHN, C. A.
Sustained flight operations in Navy P-3 aircraft
[AD-A226412] 04 p0479 N91-12672
DEJONG, A. N.
Obscurant measurements during BEST-TWO by means of MPTR
[FEL-90-A290] 22 p3703 N91-30612
DEJONG, ALAN FRANK
Image interpretation for transmission electron microscopy of thin semiconductor layers and interfaces
[ETN-91-98487] 08 p1238 N91-16826
DEJONG, F. J.
A combined Eulerian-Lagrangian two-phase analysis of the SSME HPOTP nozzle plug trajectories
02 p0151 N91-10878
DEJONG, GERALD
Incrementally increasing the uncertainty-tolerance of robotic manipulation plans
[AD-A236852] 19 p3175 N91-27557
DEJONG, H. A. A.
Vestibular function in altered states of gravity
11 p1742 N91-19579
Pupil size in parabolic flight 11 p1762 N91-19693
DEJONG, M.
Benchmarking of compilers and processors for space embedded real-time systems
[ESA-STR-233] 22 p3723 N91-30722
DEJONG, T.
A spiral-like disk of ionized gas in IC 1459: Signature of a merging collision 08 p1251 N91-16889
DEJONG, TEIJE
Late-type stars at far-infrared and sub-millimeter wavelengths 13 p2175 N91-22006
DEJONGE, J. B.
Twelfth Plantema memorial lecture on assessment of service load experience
[NLR-TP-89097-U] 04 p0479 N91-12674
Acquisition of statistical gust load data by commercial airplanes 18 p2927 N91-26152
DEJONGHE, L. C.
Micromechanisms of monotonic and cyclic subcritical crack growth in advanced high melting point low-ductility intermetallics
[AD-A238151] 21 p3482 N91-29317
Current status of solid-state lithium batteries employing solid redox polymerization cathodes
[DE91-016988] 24 p4007 N91-32404
DEJUAN, E.
Microgravity, hypergravity, and aging: A unifying hypothesis 11 p1752 N91-19633
DEJUN, XUE
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859
DEKEL, AVISHAI
Biased galaxy formation in the neutrino scenario
15 p2496 N91-23839
DEKKER, MENNO
Electrical properties of gas sensor materials
[ETN-91-98572] 08 p1113 N91-16114
DEKKER, R.
On the relation between recurrence and ergodicity properties in denumerable Markov decision chains
[TW-91-02] 23 p3923 N91-31918

DEKKERS, A. L. M.
Optimal choice of sample fraction in extreme-value estimation
[CWI-BS-R8927] 02 p0264 N91-11476
DEKKERS, ANTON
Local area networks
[MEMO-COSOR-90-11] 07 p1054 N91-15788
Measuring and simulating an 802.3 CSMA/CD LAN
[MEMO-COSOR-90-26] 09 p1387 N91-17628
DEKONING, N.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
DEKONING, W. L.
The digital regulator and tracker for deterministic continuous-time linear time-varying systems
[REPT-90-05] 01 p0114 N91-10668
The digital regulator and tracker for stochastic continuous-time linear time-varying systems
[REPT-90-06] 01 p0117 N91-10689
Compensability of uncertain systems
[REPT-90-10] 02 p0272 N91-11527
DEKRAMER, CORNELIS
A synchronous chopper mechanism for use at cryogenic temperature 16 p2640 N91-24613
DEKRUYF, J.
Space environment analysis tools
07 p0961 N91-15291
DELAAT, MICHEL
Large scale CAESAR images using inertial navigation and pressure altitude measurement. Accuracy deformations and possibilities for a Global Positioning System (GPS)
[ETN-91-99418] 23 p3787 N91-31117
DELAAT, SIEGFRIED W.
Epidermal growth factor induced signal transduction in A431 cells is influenced by altered gravity conditions
11 p1750 N91-19623
DELABEAUJARDIERE, JEAN-FRANCOIS
Electron acceleration by magnetosonic waves in a solar coronal loop 20 p3447 N91-29132
DELABEAUJARDIERE, ODILE
Joule heating investigations using the sondrestrom radar and DMSP satellites
[AD-A227425] 06 p0847 N91-14677
MITHRAS studies of the auroral oval and polar cap
[AD-A232975] 16 p2657 N91-24701
DELAFUENTE, HORACIO M.
Energy dissipator
[NASA-CASE-MSC-21555-1] 15 p2435 N91-23492
DELAGRANGE, ARTHUR D.
An alternative to operational amplifiers
[AD-A237439] 21 p3505 N91-29453
DELAHOUSSAYE, PAUL R.
Ohmic contacts to semiconducting diamond
[AD-A234130] 18 p3068 N91-26950
DELAHOY, A. E.
Research on stable, high-efficiency, large-area, amorphous-silicon-based submodules
[DE91-002167] 22 p3700 N91-30603
DELAMERTER, N. D.
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946
DELAMETER, N. D.
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
DELAMORA, JUAN FERNANDEZ
Aerodynamic focusing of particles and heavy molecules
[DE91-006922] 11 p1793 N91-19833
DELAND, M. T.
Ten years of solar change as monitored by SBUV and SBUV/2 03 p0448 N91-12503
A status report on the analysis of the NOAA-9 SBUV/2 sweep mode solar irradiance data
11 p1731 N91-19518
DELANEY, B.
From the pilot test philosophy to total quality management: A logical progression, a manager's guide
[PB91-155168] 16 p2638 N91-24596
DELANEY, HAROLD D.
Validation of dichotic listening and psychomotor task performance as predictors of primary flight training criteria: Highlighting relevant statistical issues
[AD-A227010] 06 p0854 N91-14717
DELANEY, ROBERT A.
Investigation of advanced counterrotation blade configuration concepts for high speed turboprop systems. Task 2: Unsteady ducted propfan analysis
[NASA-CR-187106] 17 p2729 N91-25113
Investigation of advanced counterrotation blade configuration concepts for high speed turboprop systems. Task 3: Advanced fan section grid generator final report and computer program user's manual
[NASA-CR-187129] 24 p3961 N91-32138
DELANGE, ALPHONSUS ANTHONIUS JOZEF
Design and implementation of highly parallel pipelined VLSI systems
[ETN-91-99432] 17 p2770 N91-25326
DELANGE, G. J.
Paleoceanography and geochemistry of the Angola Basin (South Atlantic Ocean). Cruise report R. V. TYRO, September 30 - November 19, 1989
[PB91-177444] 19 p3206 N91-27720
DELANNOY, A.
Study of lightning strikes on an aircraft in flight. Electric measurements
[ONERA-RF-98/7154-PY] 23 p3786 N91-31112
DELANO, M. A.
Oxygen enriched combustion system performance study, volume 4, phase 1
[DE90-011477] 09 p1306 N91-17164
DELAO, K. L.
Utilization of lunar ilmenite: Basalt or regolith?
17 p2902 N91-26030
DELAPENA, MICHELE
An accurate registration technique for distorted images 09 p1448 N91-17986
The archival reprocessing of IUE data. 3: Results of the new processing method for IUE data
09 p1448 N91-17988
DELAPLATA, MARQUEZ
Evaluation of female and male aircrew applicants using a cognitive and psychomotor test
02 p0245 N91-11366
DELAROSA, MARK J.
Hydrogen storage in metal hydrides
[AD-A228150] 08 p1111 N91-16103
DELASSATDEPRESSIGNY, Y.
Plasma torches at blast furnace: Four years of industrial experience in France
[REPT-911-430-124] 16 p2692 N91-24901
DELAUZE, H. G.
Long duration hyperbaric confinement: Hydra 9
15 p2450 N91-23571
DELAYEN, J. R.
Design and application possibilities of superconducting radio-frequency quadrupoles
[DE91-004477] 06 p0883 N91-14881
Experimental results in superconducting niobium resonators for high-brightness ion beam acceleration
[DE91-004478] 06 p0883 N91-14882
First tests of a superconducting RFQ (radio frequency quadrupole) structure
[DE91-004483] 06 p0883 N91-14883
Application of RF superconductivity to high-brightness ion-beam accelerators
[DE91-006481] 09 p1398 N91-17695
Measurements of the RF surface resistance of high-Tc superconductors
[DE91-006554] 10 p1605 N91-18857
High electric fields in a superconducting RFQ structure
[DE91-006593] 10 p1607 N91-18868
DELBOSCO, EDSON
Design and construction of a formed pulse circuit for a plasma centrifuge
[INPE-5161-RPE/639] 13 p2158 N91-21895
DELCAMP, S. B.
Effects of neutron fluence on the operating characteristics of diode lasers used in atomic frequency standards
[AD-A226763] 08 p1153 N91-16352
DELCAMPO, J. G.
Toward a unified dynamic model for heavy ion reactions: Exclusive measurements of Br + Al and Ni + Mg at incident energies near 10 MeV/amu
[DE91-011374] 17 p2862 N91-25828
DELCAMPO, SERGIO ENRIQUE
The tunneling boundary condition for the wave function of the universe 07 p1084 N91-15961
DELCASTILLO, D.
Hamiltonian chaos and transport in quasigeostrophic flows
[DE91-017385] 24 p4018 N91-32464
DELCOURT, CHRISTINE
The design of an Integrity Consistency Checker (ICC) for an object oriented database system
[REPT-91-021] 23 p3936 N91-31994
DELCOURT, D. C.
Features of mid-tail ion trajectories during substorms
01 p0072 N91-10435
DELCUETO, J.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
DELEANU, L.
The weighted-difference form of the nodal diffusion method in cylindrical geometry
[DE91-007849] 11 p1784 N91-19784
DELECLUSE, P.
Ocean modeling for climate study
15 p2453 N91-23592
DELEEUW, F. A. A. M.
Description of the RIVM/KNMI puff dispersion model
[KNMI-177] 18 p3013 N91-26638
Effect of aircraft emissions on atmospheric ozone in the Northern Hemisphere
[PB91-172072] 19 p3188 N91-27628
DELEEUW, G.
Lidar as a slant path visio-ceilometer
[FEL-90-A207] 05 p0690 N91-13838
Investigations into a pulsed heterodyne CO2-laser rangefinder
[FEL-90-A087] 07 p1008 N91-15537
DELEMAN, BERNARD
Magnetic field generator
[AD-D014869] 18 p2979 N91-26449
DELENE, J. G.
The potential role of nuclear power in controlling CO2 emissions
[DE91-006665] 10 p1545 N91-18502
DELENYAN, N. V.
Status of lipid peroxidation system in rat tissues after 7-day flight on Kosmos-1667 22 p3714 N91-30673
DELEPLANQUE, M. A.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
DELERY, J.
Results of GARTEUR action group AG09 on flow past missile afterbodies 06 p0775 N91-14299
DELEVISMIREPOIX, ANTOINE
SPOT image 07 p0947 N91-15195
DELFINO, M.
Microgravity tests on Spacelab water and freon pumps
07 p0959 N91-15275
DELFRATE, JOHN H.
Summary of in-flight flow visualization obtained from the NASA high alpha research vehicle
[NASA-TM-101734] 11 p1642 N91-19055
In-flight flow visualization characteristics of the NASA F-18 high alpha research vehicle at high angles of attack
[NASA-TM-4193] 12 p1830 N91-20055
DELGADO, M.
A review of some aspects on designing fuzzy controllers 17 p2733 N91-25132
DELIGIANNIS, F.
Advances in Li-TiS2 cell technology
24 p4039 N91-32567
DELIL, A. A. M.
Test loops for two-phase thermal management system components
[NLR-TP-90155-U] 22 p3679 N91-30486
A sensor for high-quality two-phase flow
[NLR-MP-88025-U] 22 p3680 N91-30494
Development of a sensor for high-quality two-phase flow
[NLR-MP-88059-U] 23 p3868 N91-31578
DELILLO, THOMAS K.
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
Analysis of commuter aircraft seat-type structures in a crash environment 16 p2554 N91-24162
DELINGETTE, H.
A perception and manipulation system for collecting rock samples 12 p1939 N91-20669
DELIYANNIS, CONSTANTINE PLATO
Primordial lithium, stellar evolution, and cosmology: Lithium in halo stars from standard, diffusive, and rotational stellar evolution and implications for cosmology
15 p2531 N91-24024
DELL, T. R.
Theory and derivation for Weibull parameter probability weighted moment estimators
[PB91-124495] 12 p1972 N91-20848
DELLA-DORA, JEAN
Nilpotent normal form via Carleman linearization (for systems of ordinary differential equations)
[RR-838-M] 15 p2494 N91-23809
DELLACORTE, CHRISTOPHER
Tribological properties of Ag/Ti films on Al2O3 ceramic substrates
[NASA-TM-103784] 11 p1674 N91-19224
Mechanical strength and thermophysical properties of PM212: A high temperature self-lubricating powder metallurgy composite
[NASA-TM-103694] 13 p2054 N91-21302
Tribological characteristics of silicon carbide whisker-reinforced alumina at elevated temperatures
[NASA-TM-103799] 14 p2238 N91-22379

Quality control of the tribological coating PS212
[NASA-TM-102067] 17 p2744 N91-25186
Sliding wear of self-mated Al2O3-SiC whisker reinforced composites at 23-1200 C
[NASA-TM-104490] 19 p3117 N91-27221
Method of making carbide/fluoride/silver composites
[NASA-CASE-LEW-14902-1] 19 p3121 N91-27244
An analysis of the wear behavior of SiC whisker reinforced alumina from 25 to 1200 C
[NASA-TM-104489] 21 p3468 N91-29235
High temperature NASP engine seals: A technology review
[NASA-TM-104468] 22 p3689 N91-30538

DELLARCO, M.
Total human exposure and indoor air quality: An automated bibliography (BLIS) with summary abstracts, volume 2
[PB91-137281] 19 p3210 N91-27743

DELLAROCAS, CHRYSANTHOS N.
A high-performance retargetable simulator for parallel architectures
[AD-A237354] 21 p3559 N91-29779

DELLAROCCO, PAMELA S.
Selection of air traffic controllers for automated systems: Applications from current research
[AD-A230058] 12 p1930 N91-20621

DELLENBACK, STEVEN W.
Research into language concepts for the mission control center
[NASA-CR-185928] 02 p0251 N91-11392

DELLINGER, B.
Minimization and control of hazardous combustion byproducts
[PB90-259854] 02 p0234 N91-11305

DELLINGER, JOHN A.
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193

DELMORE, VICTOR E.
Clutter modeling of the Denver Airport and surrounding areas 16 p2553 N91-24152

DELNATTE, YVES
Integration of aircraft capability in air traffic handling simulations 02 p0178 N91-11007

DELOACH, J. J., JR.
Microstructural features controlling ductile-to-brittle transition behavior in high-strength, martensitic steel weld metals
[AD-A229948] 12 p1869 N91-20270

DELONG, HUGH C.
Environmental effects on redox potentials of viologen groups embedded in electroactive self-assembled monolayers
[AD-A235676] 19 p3124 N91-27257
Ionic interactions in electroactive self-assembled monolayers of ferrocene species
[AD-A235677] 19 p3241 N91-27927

DELOOR, G. P.
Observation with stand-off radars
[FEL-90-A022] 05 p0650 N91-13606
The dielectric properties of wet soils
[BCRS-90-13] 08 p1168 N91-16429
Slope modulation of the radar backscatter by sea waves
[BCRS-88-05] 11 p1693 N91-19327

DELOURDESNEVESDEOLIVEIRAKURKDJIAN, MARIA
Utilization of IHS transformation for integration of images of differing resolutions: Urban land use study
[INPE-4606-PRE/1329] 05 p0731 N91-14086
Data integration of different sensor systems through the technique of IHS transformation, the purpose and study of intra-urban structure
[INPE-5171-PRE/1640] 13 p2110 N91-21616

DELPOUX, M.
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF 16 p2725 N91-25096

DELUCA, A.
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation 13 p2179 N91-22040

DELUCA, CLYDE C.
Analog-to-digital conversion techniques
[AD-A239469] 24 p4081 N91-32796

DELUCA, D. P.
Fatigue and fracture of titanium aluminides
[AD-A226737] 07 p0979 N91-15374

DELUCA, G. F.
The requirements on data systems of Columbus logistics and engineering support 14 p2219 N91-22264

DELUCA, LESLIE W.
Surface-bound alkyl monolayers: Electrochemical and structural characterization
[AD-A237604] 22 p3647 N91-30297

DELUCA, LUIGI
First evaluation of the main parameters in the dynamics of the Small Expendable Deployer System (SEDS) for a tethered satellite
[NASA-CR-4319] 01 p0016 N91-10098

DELUCA, P. M., JR.
Fast neutron dosimetry
[DE91-016907] 24 p4097 N91-32894

DELUCA, W.
Performance and life evaluation of nickel/iron battery technology for dual shaft electric propulsion vehicle
[DE91-004417] 07 p0999 N91-15483

DELUCA, W. H.
Status of Argonne life evaluation of valve regulated lead-acid batteries
[DE90-011098] 08 p1132 N91-16229
Performance and life evaluation of advanced battery technologies for electric vehicle applications
[DE91-015671] 21 p3509 N91-29482

DELUCCHI, A.
The intelligent database: Using INGRES to manage the external analysis of your data
[DE91-010465] 15 p2524 N91-23986

DELUCCIA, FRANK J.
LWIR detector requirements for low-background space applications 06 p0793 N91-14382
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors 06 p0795 N91-14394

DELUCHI, M. A.
Greenhouse gas emissions from selected alternative transportation fuels market niches
[DE90-010491] 08 p1171 N91-16448

DELUCIA, FRANK C.
Spectroscopic investigations of nonambient systems with millimeter and submillimeter probes
[AD-A226201] 04 p0580 N91-13235

DELUCIA, R. A.
Statistics on aircraft gas turbine engine rotor failures that occurred in US commercial aviation during 1987
[DOT/FAA/CT-90/19] 10 p1472 N91-18112

DELUISE, M.
A perception and manipulation system for collecting rock samples 12 p1939 N91-20669

DELUISI, J.
Umkehr work 11 p1731 N91-19522

DELVECCHIO, R. M.
Evaluation of electromagnetic and electrothermal launchers for the BRL advanced test facility
[AD-A229661] 12 p1851 N91-20176

DELVIGS, PETER
Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-1] 05 p0643 N91-13566

DEMAAGT, P. J. I.
A synthesis method for combined optimization of multiple antenna parameters and antenna pattern structure
[EUT-90-E-246-X] 22 p3665 N91-30407

DEMAIN, A. L.
Introduction to Session 2: Applied biological research
[DE91-012067] 18 p3021 N91-26680

DEMAR, PHIL
NASA/SPAN and DOE/ESnet-DECnet transition strategy for DECnet OSI/phase 5 18 p3079 N91-27025

DEMARCHI, G.
Defect diffusion in ion implanted glasses
[DE91-016119] 23 p3819 N91-31302

DEMARCHI, MONICA MARIA
Technological poles in Brazil: Development and new directions
[INPE-5081-TDL/415] 03 p0428 N91-12399

DEMARCO, F. P.
High threshold HR (Highly Reflective) coatings at 1064 nm
[DE91-006236] 10 p1528 N91-18415

DEMAREST, KENNETH D.
Scattering from thin apertures in coated conductors using FDTD
[AD-A232125] 15 p2413 N91-23365

DEMARIA, G.
Parameter space design of robust flight control systems 07 p1042 N91-15718

DEMARTEAU, J. I. M.
Microwave noise measurements on double barrier resonant tunneling diodes
[EUT-90-E-242] 22 p3761 N91-30966

DEMARTINO, D.
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929
UV orbital variability in the intermediate polar H2215-086 09 p1440 N91-17938

DEMATTEO, MARY B.
Architecture for electronic imagery interoperability
[AD-A226522] 05 p0700 N91-13901

DEMATTOS, JUERCIO T.
The importance of fracturing in the structure of the Pimenta-Bueno Basin (RO)
[INPE-5073-PRE/1592] 04 p0547 N91-13031

DEMATTOS, JUERCIO TAVARES
Verification of parameters and morphological-environmental properties, by satellite imagery, for studies of coastal region planning
[INPE-5177-PRE/1646] 13 p2108 N91-21606
Correlative studies between spectral responses and weathering indices of alternate weathered cover
[INPE-5176-PRE/1645] 13 p2110 N91-21618

DEMBEK, A. A.
Synthesis and structure of small-molecule cyclic phosphazenes bearing ortho-substituted aryloxy and phenoxy substituents
[AD-A234377] 18 p2961 N91-26344

DEMCHUK, M. I.
Passive mode locking in optically pumped Al2O3:Ti(3+) laser 11 p1787 N91-19803

DEMEESTER, P.
Thickness variations during MOVPE growth on patterned substrates
[AD-A229685] 12 p1990 N91-20951

DEMEL, KEN
Implications of acceleration environments on scaling materials processing in space to production 03 p0429 N91-12404

DEMELLORABACA, DULIA F.
Radio emission in peculiar galaxies 08 p1254 N91-16907

DEMENTHON, DANIEL
Vision-based navigation and parallel computing
[AD-A238570] 21 p3455 N91-29164

DEMERDASH, NABEEL A. O.
Analysis of electromagnetic interference from power system processing and transmission components for Space Station Freedom
[NASA-CR-186564] 22 p3663 N91-30393

DEMERS, ROBERT E.
A new active virtual pivot six-degree-of-freedom hand controller for aerospace applications 16 p2642 N91-24625

DEMETRIADES-SHAH, T.
A study of the surface energy balance on slopes in a tallgrass prairie
[NASA-CR-187698] 08 p1176 N91-16473

DEMETRIADES-SHAH, T. H.
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-187696] 06 p0840 N91-14639
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-185476] 09 p1354 N91-17437

DEMETRIADES, ANTHONY
Constant-current stagnation-point film-anemometer probe
[AD-A231048] 13 p2090 N91-21501

DEMETS, RENE
Unicellular algae in space. 1: Preparatory tests 11 p1753 N91-19639
Unicellular algae in space. 2: Sounding-rocket experiment 11 p1753 N91-19640
Unicellular algae in space. 3: Addendum 11 p1753 N91-19641

DEMICHIEL, LINDA
A mediator architecture for abstract data access
[AD-A227362] 06 p0857 N91-14730

DEMIDOV, NIKOLAI A.
Design and industrial production of frequency standards in the USSR 17 p2852 N91-25769
Performance of Soviet and US hydrogen masers 17 p2857 N91-25799

DEMIDOVICH, A. A.
Passive mode locking in optically pumped Al2O3:Ti(3+) laser 11 p1787 N91-19803

DEMIN, ERIK
On the computation of the geoid and its errors with special attention to the inner zone
[ETN-91-99421] 17 p2801 N91-25497

DEMING, DRAKE
Solar astronomy 24 p4120 N91-33026

DEMINICO, G. A.
Application of telerobotic control to remote processing of nuclear material
[DE91-016562] 24 p4026 N91-32501

DEMIRANDA, GWENDOLYN A.
Design methodology for a community response questionnaire on sonic boom exposure
[NASA-CR-187503] 14 p2323 N91-22830

DEMIRCHOGLYAN, G. G.
Experimental assessment of effect of head position on center of gravity of human body in ejections seats 10 p1562 N91-18590

DEMIRGIAN, J. C.
Remote detection of organics using Fourier transform infrared spectroscopy
[DE91-006045] 11 p1679 N91-19253
DEMKO, PAUL S.
Flight testing with etanol in turboprop engines
04 p0459 N91-12566
DEMMEL, JOHANN
Analysis of three icing test flights reaching the aircraft-referred icing degree severe
[DLR-FB-90-34] 13 p2022 N91-21123
DEMOL, RENE
Infrared thermography development for material evaluation of Hermes space plane components
03 p0330 N91-11839
DEMORAESNOVO, EVLYN MARCIA LEAO
Remote sensing and limnology: Preliminary studies of the Uhe-Tucurui Reservoir
[INPE-5181-PRE/1650] 14 p2283 N91-22625
DEMORE, W. B.
The atmospheric effects of stratospheric aircraft: A current consensus
[NASA-RP-1251] 08 p1175 N91-16467
DEMORZHI, M. S.
Effects of 13 day space flight on skeletal muscles and neuromuscular junctions in rats
18 p3026 N91-26703
DEMOS, S. G.
Photodynamics and physics behind tunable solid-state lasers
[AD-A238365] 22 p3683 N91-30506
DEMOTT, PAUL JUDSON
Quantifying ice nucleation by silver iodide aerosols
09 p1367 N91-17510
DEMOURAABDON, MYRIAN
Temporal variation of areas occupied by aquatic macrophytes in the Tucurui reservoir through Landsat/TM data
[INPE-5174-PRE/1643] 13 p2108 N91-21607
DEMOUSTIER, C. P.
Quantitative assessment of the slope resolution of seafloor mapping systems
[AD-A231776] 14 p2292 N91-22676
DEMOUSTIER, CHRISTIAN
SeaMARC 2 investigation of the Norwegian-Greenland Sea
[AD-A231917] 14 p2292 N91-22678
DEMPSEY, BARRY J.
Guidelines for design, construction, and evaluation of airport pavement drainage
[DOT/FAA/RD-90/31] 18 p2929 N91-26161
DEMPSEY, BERT J.
Issues in providing a reliable multicast facility
[NASA-CR-188089] 13 p2070 N91-21403
DEMPSEY, BRIAN P.
In-Space technology experiments program. A high efficiency thermal interface (using condensation heat transfer) between a 2-phase fluid loop and heatpipe radiator: Experiment definition phase
[NASA-CR-186869] 15 p2421 N91-23408
DEMPSEY, D. T.
Metabolism of nonessential N15-labeled amino acids and the measurement of human whole-body protein synthesis rates 17 p2820 N91-25583
DEMPSTER, A. P.
Construction and local computation aspects of network belief functions
[NASA-CR-180334] 04 p0577 N91-13210
DEMUIZON, M.
A survey for PAH emission in H II regions, planetary and proto-planetary nebulae 06 p0890 N91-14920
DEMUREN, A. O.
Characteristics of 3D turbulent jets in crossflow
[NASA-TM-104337] 14 p2266 N91-22536
DENATALE, J. F.
Effects of interfacial modification on diamond film adhesion
[AD-A237750] 21 p3488 N91-29354
Pressure effects in the microwave plasma growth of polycrystalline diamond
[AD-A237751] 21 p3596 N91-30006
DENBOW, DAVID A.
Transient natural convection in heated inclined tubes
[DE90-008217] 08 p1136 N91-16255
DENBRINKER, A. C.
A membrane model for spatiotemporal coupling
[EUT-90-E-241] 22 p3719 N91-30701
DENG, XIAOMIN
Dynamic crack propagation in elastic-plastic solids
08 p1162 N91-16402
DENGLER, H.
Copper diffusion in pure aluminum cladding: Mechanism and influence on corrosion behavior
[MBB-Z-0323-90-PUB] 22 p3652 N91-30323
DENGLER, JOACHIM
Estimation of discontinuous displacement vector fields with the minimum description length criterion
[AD-A235512] 19 p3235 N91-27890
DENHAM, D.
The stress regime in the Amadeus Basin region
19 p3199 N91-27683
DENHAM, D. H.
Threatened Area Database System (TADS) computer program
[DE91-012491] 20 p3438 N91-29074
DENHAM, MARK C.
An empirical evaluation of analytical models for parallel relational database queries
[AD-A230813] 13 p2134 N91-21752
DENHARTOG, D.
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960
DENHARTOG, D. J.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535
Edge electrostatic fluctuations and transport in the MST reversed field pinch
[DE91-015218] 21 p3588 N91-29959
DENHERTOG, D.
A potential reduction method for a class of smooth convex programming problems
[REPT-90-01] 01 p0109 N91-10636
A potential reduction variant of Renegar's short-step path-following method for linear programming
[REPT-90-14] 02 p0253 N91-11402
A polynomial method of weighted centers for convex quadratic programming
[REPT-90-17] 02 p0261 N91-11453
On the classical logarithmic barrier function method for a class of smooth convex programming problems
[REPT-90-28] 07 p1058 N91-15817
The linear complementarity problem, sufficient matrices, and the criss-cross method
[REPT-90-49] 07 p1059 N91-15823
A long step barrier method for convex quadratic programming
[REPT-90-53] 08 p1200 N91-16600
DENHERTOG, JEROEN
Epidermal growth factor induced signal transduction in A431 cells is influenced by altered gravity conditions
11 p1750 N91-19623
DENHOLLANDER, F.
Strong law and central limit theorem for a process between maxima and sums
[REPT-90-35] 07 p1058 N91-15818
A variational formula for branching random walk in random environment
[REPT-90-60] 10 p1587 N91-18749
DENICOLA, ROCCO
Three logics for branching bisimulation
[CWI-CS-R9012] 10 p1572 N91-18647
Back and forth bisimulations
[CWI-CS-R9021] 10 p1572 N91-18650
DENIER, J. P.
The effect of wall compliance on the Goertler vortex instability
[NASA-CR-187477] 06 p0777 N91-14308
DENIER, JEAN-PAUL
Role and interest of new technologies in data processing for space control centers 14 p2210 N91-22206
DENINNO, A.
The TIR project: A balloon telescope for the measurement of CBR anisotropies
13 p2180 N91-22041
A high throughput, multiband photometer for the TIR project 13 p2180 N91-22042
DENIS, M.
Plasma waves as a signature of flux transfer events
01 p0071 N91-10427
DENISOV, VLADIMIR I.
The national- and international-wide prospects of future improvements of position location and time synchronization systems and aids
17 p2858 N91-25800
DENNEHY, C. J.
A technique for optimal temperature estimation for modeling sunrise/sunset thermal snap disturbance torque 09 p1292 N91-17098
DENNING, PETER J.
Is thinking computable?
[NASA-CR-188859] 24 p4084 N91-32815
Saving all the bits
[NASA-CR-188879] 24 p4084 N91-32817
Beyond formalism
[NASA-CR-188886] 24 p4085 N91-32819
Mutual exclusion
[NASA-CR-188122] 24 p4085 N91-32822
DENNIS, A. J.
Advanced structural instrumentation, volume 1
[AD-A227226] 08 p1149 N91-16328
Advanced structural instrumentation, volume 2
[AD-A227473] 08 p1149 N91-16330
DENNIS, BRIAN
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
DENNIS, JOHN E., JR.
Parallel optimization and inverse problems
[AD-A233371] 16 p2613 N91-24467
DENNIS, R. W.
A fault tolerant fly by wire system for maintenance free applications 04 p0483 N91-12688
DENORONHA, ROBERTO F.
Simulation and detection of transverse cracks in rotors. 03 p0372 N91-12086
DENT, A. J.
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011
DENT, LESLIE A.
GCS programmer's manual
[NASA-TM-102721] 09 p1384 N91-17612
DENT, W.
Radio and infra-red observations of Comet Austin 1989CI 10 p1623 N91-18956
DENTON, GEORGE H.
Late Wisconsin and early holocene glacial history, inner Ross Embayment, Antarctica 18 p3002 N91-26577
DENTREMONT, ROBERT P.
The hemispheric eighth mesh terrain elevation and geography data sets
[AD-A231592] 13 p2111 N91-21624
Automated cloud typing using satellite imagery
[AD-A231419] 14 p2288 N91-22650
DEOLIVEIRA, CARLOS A.
Textual linguistics and knowledge representation: A highlight
[INPE-5064-PRE/1590] 03 p0400 N91-12222
DEOLIVEIRA, CARLOS ALBERTO
IDEAL, a dialogic interface in a natural language for expert systems
[INPE-5151-TDL/424] 13 p2133 N91-21742
DEOLIVEIRA, JOSE LUIS
AVHRR/NOAA imagery navigation from the geodetic reference matrix: Studies and evaluations
[INPE-5216-PRE/1672] 13 p2022 N91-21126
DEOLIVEIRA, JULIA LEOCADIA
Satellite control system nucleus for the Brazilian complete space mission 14 p2210 N91-22203
DEPAGTER, B.
Disjointness preserving and diffuse operators
[REPT-90-42] 07 p1059 N91-15820
DEPAGTER, BEN
Weakly compact subsets of symmetric operator spaces
[REPT-90-68] 10 p1584 N91-18729
Non-commutative Koethe duality
[REPT-90-67] 10 p1589 N91-18762
DEPALMA, P.
Investigation of Roe's 2D wave decomposition models for the Euler equations
[VKI-TN-172] 15 p2426 N91-23436
DEPATER, IMKE
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020
VLA searches for formaldehyde and cyanoacetylene emission from comet P/Brorsen-Metcalf (1989o)
12 p2004 N91-21030
Radio astronomy 24 p4119 N91-33018
Planetary astronomy 24 p4120 N91-33027
DEPAULA, EVERTON G.
Clustering, concurrency control, crash recovery, garbage collection, and security in object-oriented database management systems
[AD-A235448] 19 p3260 N91-28032
DEPAULA, RAMON
NASA information sciences and human factors program
[NASA-TM-4291] 18 p3097 N91-27119
DEPEDIS, D.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585
DEPETRIS, M.
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation
13 p2179 N91-22040

The TIR project: A balloon telescope for the measurement of CBR anisotropies
13 p2180 N91-22041
A high throughput, multiband photometer for the TIR project
13 p2180 N91-22042

DEPETRO, THOMAS G.
An overview of information resources in aviation
10 p1455 N91-18022
An overview of information resources in aviation
16 p2543 N91-24091

DEPEUFEILHOUX, R.
Geographic data bases for mission control centers
14 p2222 N91-22289

DEPIERO, F.
Force-reflecting control of a teleoperated system coupling a nonredundant master with a redundant slave
[DE90-012137] 21 p3526 N91-29585

DEQUAY, LAURENCE
Hybrid butterfly valve
[NASA-CASE-SSC-00004-1] 06 p0834 N91-14609

DER, JAMES J.
A linearized theory for unsteady flow along vane-formed fillets driven by surface tension
16 p2574 N91-24264

DERAAD, LESTER L., JR.
Impact of ionospheric scintillations on space-based surveillance radars
[AD-A237673] 21 p3499 N91-29417

DERCKX, J. P. G. M.
Detection of military objects using multi spectral image processing
[FEL-90-A196] 22 p3664 N91-30397

DERENDYAYEVA, T. A.
Higher plants as part of biological human life support system
18 p3024 N91-26693

DERENIAK, EUSTACE L.
Detector array evaluation and figures of merit
06 p0794 N91-14386

DERESKIEWICZ, J. P.
Microwave module YAG laser weld development
[DE91-015750] 23 p3880 N91-31652
Evaluation of the intermittent GTA cold wire feed weld system
[DE91-016477] 23 p3881 N91-31657

DEREUS, N. M.
WASP, the Weapon Analysis and Simulation Program
[FEL-90-A322] 24 p4084 N91-32813

DEREZ, L. K.
Method of obtaining current-conducting polymeric materials
[AD-A237174] 21 p3486 N91-29339

DERIAN, L.
Environment fact finding mission report
[PB91-130369] 13 p2112 N91-21628

DERIJKE, MAARTEN
The modal logic of inequality
[ITLI-LP-90-15] 22 p3732 N91-30781

DERMER, CHARLES D.
Resonant Compton scattering in models of gamma-ray burst sources. Part 2: Numerical modeling
[DE91-005268] 08 p1268 N91-16982
Resonant Compton scattering in models of gamma-ray burst sources. Part 1: Theory
[DE91-005267] 09 p1450 N91-18000
Analysis of gamma-ray burst energy spectra
[DE91-006686] 10 p1625 N91-18965

DERMIS, THOMAS F.
URV multiprocessor control system and ground station controller software design
[AD-A237532] 22 p3741 N91-30841

DEROCHEMONT, L. PIERRE
Chemical spray pyrolysis of Tl-Ba-Ca-Cu-O high-T(sub c) superconductors for high-field bitter magnets
13 p2039 N91-21212

DEROEVER, J. W.
An algebra of generalized functions on a C sup infinity manifold
[MATHS-MEMO-873] 10 p1580 N91-18699

DEROO, P.
Evaluation of fatigue behaviour of SMC composites materials
12 p1861 N91-20226

DEROOY, J. C. J. M.
Low temperature properties of boron carbides
[DE91-008172] 11 p1677 N91-19243

DEROSA, F.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800

DEROSE, V. J.
Structural studies of manganese and halide in the photosynthetic oxygen evolving complex
[DE91-009071] 15 p2473 N91-23698

DEROUCHEY, WILLIAM J.
A remote visual interface tool for simulation control and display
[AD-A231019] 13 p2135 N91-21754

DEROV, JOHN S.
Measurement and analysis of the microwave surface resistance in a mixed phase Y-Ba-Cu-O superconductor
[AD-A230047] 12 p1986 N91-20930

DERR, RONALD L.
Hazard studies for solid propellant rocket motors
[AGARD-AG-316] 05 p0630 N91-13488

DERRICKSON, JAMES H.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970
The ionizing radiation environment of LDEF prerecovery predictions
16 p2707 N91-24980

DERST, G.
Preparation of crystalline SiC thin films by PECVD and by ion beam modification of silicon
[MBB-Z-0349-90-PUB] 22 p3761 N91-30964

DERSZON, M. S.
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942

DERUDDER, A.
Comparison between observed and calculated distributions of trace species in the middle atmosphere
19 p3190 N91-27641

DERUITER, H. R.
Dumb-bell galaxies in southern clusters: Catalog and preliminary statistical results
08 p1252 N91-16896

DERUYCK, J.
Radial mixing in turbomachines
[AD-A235507] 19 p3163 N91-27491

DERUYTER, H.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870

DERUYTTERE, A.
Metallic composites with particles (TEXUS 6)
23 p3844 N91-31436
Metallic composites with particles (TEXUS 7)
23 p3845 N91-31437
Melting and solidification of metallic composites (TEXUS 9)
23 p3845 N91-31438
Metal matrix composites (TEXUS 14b)
23 p3845 N91-31439
Metal matrix composites (TEXUS 20)
23 p3845 N91-31440

DERWENT, R.
Proceedings of 2nd US/FRG Workshop on Photochemical Ozone Problem and its Control
[PB91-211847] 24 p4042 N91-32583

DESA, L.
ISOCAM: The ISO's satellite infra-red camera
[REPT-911-440-104] 15 p2431 N91-23468

DESA, W. P.
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-628758] 02 p0271 N91-11524

DESAI, CHANDRA S.
Development and mechanical properties of structural materials from lunar simulant
16 p2595 N91-24381
Development of construction materials like concrete from lunar soils without water
17 p2749 N91-25213
Development and mechanical properties of construction materials from lunar simulants
17 p2753 N91-25238
Development and mechanical properties of structural materials from lunar simulants
17 p2905 N91-26045

DESAI, MIHIR CHANDRAVADAN
Computations in optimal control of Navier-Stokes equations
17 p2774 N91-25353

DESAINTEMARESVILLE, FRANCOIS
Breakdown methodology for flight critical applications into elementary components
04 p0485 N91-12698

DESALVO, G.
Contractile protein changes induced by hindlimb suspension in rat skeletal muscle
11 p1754 N91-19646

DESALVOSOUZA, L.
Generation of XUV light by resonant frequency tripling in a two-wiggler FEL amplifier
[DE90-012120] 08 p1153 N91-16349

DESANCTIS, M.
Polarizability corrections in exotic atoms
[NOTA-INTERNA-949] 12 p1977 N91-20880

DESANTO, JOHN A.
Backscattering enhancement from rough surfaces
[AD-A234707] 18 p2975 N91-26426

DESAQUI-SANNES, PIERRE
Prototyping of a protocol validation environment: Application to the Estelle approach
[LAAS-90113] 06 p0864 N91-14774

DESAUSSURE, G.
Experimentation and concept formation by an autonomous mobile robot
[DE90-003063] 08 p1156 N91-16368
Multilevel resonance analysis of Co-59 neutron transmission measurements
[DE91-012135] 20 p3397 N91-28829

DESBOIS, MICHEL
Structures observed on the spot radiance fields during the FIRE experiment
01 p0085 N91-10503

DESCH, P. B.
Synthesis of metastable aluminum-based intermetallics by mechanical alloying
[DE91-013651] 20 p3319 N91-28376

DESCHAMPS, VERONIQUE
Numerical simulation of incompressible inhomogeneous turbulence in a plane channel flow
[ESA-TT-1199] 15 p2427 N91-23441

DESCHEPPER, L.
A new approach to the reliability of electronic material systems
24 p3993 N91-32310

DESCLAUX, FRANCOIS
Calculation of fragment ejection velocities on explosion of a launcher
[CNES-NT-128] 23 p3800 N91-31195

DESER, CLARA
Meteorological characteristics of the El Nino/Southern Oscillation phenomenon
02 p0240 N91-11340

DESERT, FRANCOIS-XAVIER
Does CO trace H2 at high galactic latitude
06 p0900 N91-14973

DESERT, X.
Emission from small dust particles in diffuse and molecular cloud medium
05 p0742 N91-14137

DESHLER, TERRY
Measurements in polar stratospheric clouds over Antarctica in September 1989
24 p4033 N91-32534

DESHPANDE, LALITA NARHAR
Fast algorithms for cross validation in nonlinear approximation problems
[ETN-91-99487] 22 p3747 N91-30886

DESHPANDE, MANOHAR D
Signal processing techniques for clutter filtering and wind shear detection
16 p2553 N91-24154

DESHPANDE, S.
Model for marfe-detached plasma transition in tokamaks
20 p3415 N91-28938

DESHPANDE, S. P.
IUE observations of comet Okazaki-Levy-Rudenko (1989r)
09 p1432 N91-17889

DESIDERI, JEAN-ANTOINE
Analysis of the convergence of iterative implicit and defect-correction algorithms for hyperbolic problems
[CWI-NM-R9004] 03 p0411 N91-12294

DESILVA, SHANAKA
Volcanism-Climate Interactions
[NASA-CP-10062] 13 p2114 N91-21641

DESIMONE, R.
Assembly, integration and test planning tool
07 p0950 N91-15214

DESJARDINS, D.
Nonlinear modeling of chaotic time series: Theory and applications
[DE91-013076] 20 p3435 N91-29055

DESJARDINS, MARY L.
GEMPAK5 user's guide, version 5.0
[NASA-TM-4260] 13 p2119 N91-21661
GEMPAK5. Part 1: GEMPAK5 programmer's guide, version 5.0
[NASA-TM-4261-PT-1] 13 p2119 N91-21662
GEMPAK5. Part 2: GEMPLT programmer's guide, version 5.0
[NASA-TM-4261-PT-2] 13 p2119 N91-21663

DESKO, JOHN C., JR.
Radiation hardening of a high voltage IC technology (BCDMOS)
[DE90-008345] 08 p1131 N91-16220

DESLANDES, RONALD
Marginal aircraft release disturbance on advanced missiles
[MBB/FE121/S/PUB/329] 02 p0179 N91-11016
Role of separation autopilots for modern missile concepts
[MBB/FE121/S/PUB/409/A] 06 p0785 N91-14352

DESMIER, P. E.
Evaluation of a new fuel with higher energy density
10 p1465 N91-18079

DESMOND, GREGORY B.
Design and development of the terrain information extraction system
[AD-A231166] 13 p2111 N91-21623

DESNOO, HENK
Interpolation problems, extensions of symmetric operators and reproducing kernel spaces, 2
[W-9005] 10 p1585 N91-18738

DESNOYERS, J. E.
A study of electrolytes for lithium batteries
[INRS-NRG-326-RF] 22 p3669 N91-30428

DESOUZA, J. P.
Thermoforming of in-situ reinforced thermoplastic composites
[AD-A232816] 15 p2407 N91-23329

Processing studies of blends of polypropylene with liquid crystalline polymers
[AD-A232961] 16 p2605 N91-24435

DESOUZACOSTA, FERNANDO
Analysis of electrothermal thrusters
[INPE-5240-TDI/440] 22 p3639 N91-30253

DESOUZALUCAS, PAULO CESAR
Telemetry processing and displaying software for the Brazilian complete space mission
14 p2209 N91-22198

DESOUZAPONTES, CLAYTON
The importance of fracturing in the structure of the Pimenta-Bueno Basin (RO)
[INPE-5073-PRE/1592] 04 p0547 N91-13031
The importance of fracturing in the Pimenta Bueno-Ro Basin structure: A study of the morphostructural elements of the rupture-ductile character through remote sensing techniques and products
[INPE-5004-TDL/398] 05 p0688 N91-13825

DESPAIN, A.
Cellular automata and parallel processing for practical fluid-dynamics problems
[AD-A229234] 09 p1388 N91-17635

DESPAIN, ALVIN
Prospects for a special-purpose lattice gas computer
[AD-A227916] 07 p1039 N91-15700

DESPER, C. H.
Structure property relationship of aliphatic polyurethane elastomers prepared from CHDI
[AD-A239397] 23 p3820 N91-31311

DESPER, C. R.
Transient crystallization of an aromatic polyetherimide: Effect of annealing
[AD-A231988] 14 p2249 N91-22446
X ray diffraction studies of disorder in allied Spectra-1000 polyethylene fibers
[AD-A235527] 19 p3137 N91-27336
Analysis of ballistically caused damage in some test panel fibers
[AD-A236061] 19 p3175 N91-27552

DESPINEY, P.
Comparison of different calculation methods applied to a lenticular fuselage section 06 p0774 N91-14293

DESPIRITO, JAMES
Two-stage igniter test results: Electrical ignition of LGP 1846
[AD-A235619] 19 p3144 N91-27377

DESPOIS, D.
Observations of parent molecules in comets P/Brorsen-Metcalf (1989o), Austin (1989c1) and Levy (1990c) at millimetre wavelengths: HCN, H2S, H2CO and CH3OH 10 p1621 N91-18944
Millimetre observations of comets P/Brorsen-Metcalf (1989o) and Austin (1989c1) with the IRAM 30-m radio telescope 12 p2004 N91-21029

DESREUMAUX, O.
Special design and gauging of anemoclinometric sondes
[IMFL-90/03] 23 p3873 N91-31604

DESROCHERS, GEORGE R.
Omega system Performance Assessment and Coverage Evaluation (PACE) workstation design and implementation, volume 1
[AD-A235225] 18 p2924 N91-26128
Performance Assessment and Coverage Evaluation (PACE) workstation (user manual)
[AD-A239723] 23 p3788 N91-31122
OMEGA system Performance Assessment and Coverage Evaluation (PACE) workstation design and implementation, volume 2
[AD-A239724] 23 p3788 N91-31123

DESROCHERS, PAUL
Weather radar technology development
[AD-A233071] 16 p2659 N91-24715

DESSAU, D. S.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854

DESSOUKY, KHALED
Experiments for Ka-band mobile applications: The ACTS mobile terminal 03 p0351 N91-11961
Land-mobile field experiments in Australia
03 p0353 N91-11968

DESTAERKE, D.
Application of CCSDS recommendations to Ariane 5 and Hermes ground segments 14 p2215 N91-22239

DESTEESE, J. G.
Benefit/cost comparison for utility SMES applications
[DE91-017425] 24 p4007 N91-32408

DESTEFAN, D. E.
Mathematical modelling of part voltage and weld current in resistance welders
[DE91-002534] 05 p0671 N91-13727

DESTLER, W. W.
Microwave generation for magnetic fusion energy applications, task B
[DE90-011079] 08 p1227 N91-16763
Microwave generation for magnetic fusion energy applications, task C
[DE90-011080] 08 p1227 N91-16764
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
Microwave generation for magnetic fusion energy applications
[DE91-008280] 12 p1983 N91-20912
Experimental and theoretical studies of high power plasma filled backward wave oscillators
[AD-A231782] 14 p2259 N91-22500

DESTLER, WILLIAM W.
Investigation of the propagation of intense charged particle beams into vacuum
[AD-A225098] 03 p0416 N91-12326

DESTUYNDER, ROGER
New method to determine in wind tunnel the buffeting forces 06 p0782 N91-14337

DESWARTE, YVES
Intrusion and fault tolerance compatibility. Part 1: Fault protection, coding and tolerance state of the art
[LAAS-89-395] 23 p3882 N91-31662

DETAVERNIER, S.
High octane ethers from synthesis gas-derived alcohol
[DE91-008367] 13 p2058 N91-21325
High octane ethers from synthesis gas-derived alcohols
[DE91-016596] 24 p3973 N91-32193

DETEMPLE, THOMAS A.
Integrated semiconductor modulators
[AD-A228615] 08 p1237 N91-16820

DETERING, B. A.
Occurrence of tungsten plasma in plasma spraying of WC/Co
[DE91-006111] 09 p1407 N91-17741
LTE (Local Thermodynamic Equilibrium) and non-LTE gas temperatures in loaded and unloaded plasmas during spraying of NiAl powders
[DE91-006127] 09 p1407 N91-17742

DETLEFSEN, WOLFGANG
Utilization of a testing unit for the examination of SSR mode S, following a TCAS presentation
[ETN-90-97891] 03 p0310 N91-11740

DETOMA, EDOARDO
Inter-satellite time transfer: Techniques and applications 17 p2851 N91-25761

DETRICK, ROBERT S.
A multichannel seismic investigation of variations in crustal structure in the western North Atlantic
[AD-A235245] 18 p3012 N91-26634

DETRY, R. J.
Administrative information systems plan, FY 1991 - FY 1995
[DE91-008072] 13 p2168 N91-21964

DETTLEFF, G.
The DLR plume simulation facility
07 p0957 N91-15265

DETTMAR, RALF-JUERGEN
Observations of CO in the Magellanic irregular galaxy NGC 55 05 p0739 N91-14124
The diffuse ionized interstellar medium perpendicular to the plane of NGC 891 05 p0746 N91-14160
Observations of extended and counterrotating disks of ionized gas in S0 galaxies 05 p0752 N91-14187

DEUERLER, F.
Liquid phase sintering (TEXUS 19) ESA
23 p3846 N91-31446

DEUSTER, P. A.
COLDEX-86: Fluid and electrolyte changes during prolonged cold water immersion
[AD-A233768] 18 p3027 N91-26711
COLDEX-86: Summary of the experimental protocol and general results
[AD-A234031] 18 p3028 N91-26715

DEUSTUA, SUSANA
Narrow band images of suspected cooling flow galaxies 05 p0748 N91-14168

DEUTSCH, I. H.
Spatial propagation of squeezed light in a degenerate parametric amplifier
[DE91-014989] 21 p3601 N91-30039

DEUTSCH, L. J.
Recent advances in coding theory for near error-free communications 15 p2540 N91-24068

DEUTSCH, MOSHE
A high resolution study of the Cu K alpha(sub 1,2) x-ray emission lines 15 p2499 N91-23841

DEUTSCH, OWEN L.
Interactions between battle management and guidance law design for a strategic interceptor
05 p0620 N91-13441

DEUTSCH, S.
Fundamental hydrodynamics research
[AD-A225030] 03 p0374 N91-12092

DEUTSCHE, S.
Activities report of the Max-Planck Institute for Aeronomy
[ETN-91-98383] 05 p0769 N91-14272

DEUTSCHMANN, JULIE
Inflight estimation of gyro noise
09 p1287 N91-17076
Comparison and testing of extended Kalman filters for attitude estimation of the Earth radiation budget satellite
09 p1290 N91-17087

DEUTY, S.
Space platform power system hardware testbed
[NASA-CR-185839] 18 p2938 N91-26204

DEVADAS, SRINIVAS
Critical problems in very large scale computer systems
[AD-A229328] 22 p3722 N91-30714

DEVALK, C. F.
Wave data assimilation in a 3rd generation. Wave prediction model for the North Sea: An optimal control approach
[BCRS-89-22] 02 p0242 N91-11348
Extraction of marketable information from ERS-1 data
[BCRS-90-03] 08 p1167 N91-16425

DEVAN, J. H.
Influence of oxide reinforcement materials on high-temperatue oxidation resistance of Ni3Al matrix composites
[DE91-001625] 05 p0632 N91-13498
High-temperature thermal storage systems for advanced solar receivers materials selections
[NASA-CR-187750] 06 p0841 N91-14647

DEVANEY, D. M.
Finding the object proceedings addendum
[DE91-006724] 11 p1776 N91-19738
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785

DEVANEY, JOSEPH J.
Electron stopping powers of some elements and compounds from 0 to 10,000 eV: A compilation
[DE90-010675] 08 p1220 N91-16716

DEVANEY, W. E.
High efficiency CuInSe2 and CuInGaSe2 cells and materials research
[DE90-000362] 02 p0229 N91-11280

DEVATY, ROBERT P.
Far- and mid-infrared properties of metal-insulator composite materials
[AD-A234264] 18 p2940 N91-26219

DEVAULL, GEORGE ELLIS, III
Fluctuating concentrations in atmospheric dispersion
02 p0237 N91-11323

DEVAULT, R. C.
Meetings to share advancements in heat pump technologies
[DE90-010008] 08 p1137 N91-16257

DEVENPORT, WILLIAM J.
Velocity measurements in a turbulent trailing vortex and their application to BWI noise prediction
[NASA-CR-188083] 13 p2018 N91-21100
An experimental investigation of the flow past an idealized wing-body junction
[AD-A229602] 22 p3610 N91-30079

DEVENUTO, F.
Data analysis of hollow cathode experiment to support electrodynamic tether applications
[IFSI-89-16] 02 p0187 N91-11047
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551

DEVER, JOYCE A.
Low Earth orbital atomic oxygen and ultraviolet radiation effects on polymers
[NASA-TM-103711] 11 p1687 N91-19294
Evaluation of thermal control coatings for use on solar dynamic radiators in low Earth orbit
[NASA-TM-104335] 14 p2235 N91-22367

DEVER, THERESE
Graphite fluoride fibers and their applications in the space industry
[NASA-TM-103265] 02 p0190 N91-11062

DEVEREUX, NICHOLAS A.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117

Evidence against a simple two-component model for the far-infrared emission from galaxies
05 p0741 N91-14136
A comparison of the radial distribution of molecular gas and non-thermal radio continuum in spiral disks
05 p0743 N91-14145

DEVEZEAUXDELAVERGNE, D.
Post processing of three dimensional aerothermal computation
[AAAF-NT-89-21] 23 p3913 N91-31848

DEVIETTI, T. L.
The effect of three levels of laser glare on the speed and accuracy of target location performance when viewing a briefly presented visual array
[AD-A238565] 21 p3552 N91-29736

DEVILBISS, D. W.
Measurement of the complex reflectivity of submerged thin plates at oblique incidence angles using the two-sensor intensity technique
[AD-A226352] 04 p0579 N91-13229

DEVILLER, J. L.
Qualification status of hybrid crystal oscillators style OTO 16S for space application 24 p3994 N91-32322

DEVINCENT, SANDRA M.
Graphite/copper alloy interfacial energies determined using the sessile drop method
[NASA-CR-187087] 12 p1871 N91-20284
Development of graphite/copper composites utilizing engineered interfaces
[NASA-CR-187143] 19 p3121 N91-27242

DEVINCENZI, D. L.
Exobiology on Mars
[NASA-CP-10055] 07 p1038 N91-15691

DEVINE, G.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463

DEVLIEGER, J. H.
Maximum likelihood estimation applied to target motion analysis using second order derivatives
[FEL-89-A193] 24 p4092 N91-32862

DEVOE, R. J.
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407

DEVOLDERE, P.
Direct influence of chip design and material composition on GaAs/GaAlAs laser diodes reliability
24 p3992 N91-32307

DEVORE, L.
Energy and Technology Review, February-March 1991
[DE91-015487] 23 p3942 N91-32031

DEVORE, LAUREN
Energy and Technology Review, March 1990
[DE90-008230] 08 p1269 N91-16985

DEVORE, RONALD A.
Approximation from shift-invariant surfaces of L2(IRd)
[AD-A238165] 21 p3566 N91-29826

DEVRED, A.
Investigation of wire motion in superconducting magnets
[DE91-004952] 08 p1213 N91-16674

DEVREEZE, CHRIS
Extending the semantics of subtyping, accommodating database maintenance operations
[MEMO-INF-90-29] 10 p1570 N91-18636

DEVREEZE, CHRIS C.
Formalization of inheritance of methods in an object-oriented data model
[MEMO-INF-90-76] 22 p3734 N91-30793
A formal theory of sets in object-oriented contexts (extended abstract)
[MEMO-INF-90-74] 22 p3746 N91-30875
Inheritance in an object-oriented data model
[MEMO-INF-90-77] 22 p3746 N91-30876

DEVREUGHT, J. P. M.
A fast parallel recognizer
[REPT-90-16] 02 p0257 N91-11429

DEVRIES, DANIEL NEVILLE
The effects of the solid inner core and nonhydrostatic structure on the Earth's forced nutations and Earth tides
08 p1166 N91-16417

DEVRIES, F. J.
An infinitary Church-Rosser property for non-collapsing orthogonal term rewriting systems
[CWI-CS-R9043] 17 p2833 N91-25653
Transfinite reductions in orthogonal term rewriting systems
[CWI-CS-R9041] 17 p2844 N91-25720
Transfinite reductions in orthogonal term rewriting systems (extended abstract)
[CWI-CS-R9042] 17 p2844 N91-25721

DEVRIES, F. P. P.
Pre-study SAR processor for the ERS-1 data
[FEL-1989-B367] 07 p0995 N91-15462
SAR processor for the ERS-1 data phase 1, simple processor
[FEL-90-B033] 15 p2412 N91-23359

DEVRIES, FER-JAN
Strong completeness for Hoare logics of recursive processes: An infinity approach
[CWI-CS-R8957] 03 p0404 N91-12250

DEVRIES, J. S.
Multispectral target detection using image processing programs developed on PC's
[FEL-89-B304] 05 p0704 N91-13925

DEVRIES, JAN
A proof of the relativized, non-metric form of Furstenberg's structure theorem
[CWI-AM-R9022] 17 p2843 N91-25713

DEVRIES, R. E.
On the performance analysis of wavefront array processors
[REPT-90-26] 07 p1061 N91-15835

DEVRIES, R. W.
Acceleration techniques for a spectral multi-grid method
[MEMO-914] 23 p3869 N91-31580

DEVRIES, REIN J. F.
ATM multicast connections using the Gauss switch
[MEMO-INF-90-53] 10 p1566 N91-18611

DEVRIJER, ROEL
Unique normal forms for combinatory logic with parallel conditional, a case study in conditional rewriting
[ITLI-CT-90-09] 22 p3732 N91-30782

DEWAAL, PETER R.
Interconnected networks of queues with randomized arrival and departure blocking
[CWI-BS-R8934] 02 p0265 N91-11483
A constrained optimisation problem in a processor sharing queue
[CWI-BS-R9025] 17 p2844 N91-25715

DEWAARD, H.
Reduced-order control of diffusion/LPCVD reactors using optimal projections
[REPT-90-66] 10 p1579 N91-18690

DEWAART, DIRK
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169

DEWAGENAERE, PH.
Aerodynamic computation post processing tools
[AAAF-NT-89-20] 24 p3949 N91-32073

DEWAL, VRINDA P.
The influence of the uplink noise on the performance of satellite data transmission systems
03 p0355 N91-11986

DEWALD, A. B.
Li overlayer formation, oxidation, and sputtering characteristics of Al-Li alloys and W/Al-Li composites for fusion applications
[DE91-006529] 09 p1408 N91-17750

DEWAN, E. M.
Power spectra of internal gravity waves
[AD-A231596] 13 p2118 N91-21659

DEWART, J. M.
Safe venting of hydrogen
[DE90-008964] 08 p1123 N91-16174

DEWATERS, J.
Evaluation of significant anthropogenic sources of radiatively important trace gases
[PB91-127753] 11 p1736 N91-19545

DEWBERRY, BRANDON S.
Intelligent monitoring and diagnosis systems for the Space Station Freedom ECLSS
12 p1942 N91-20683

DEWEESE, MARY E.
Metrology for electromagnetic technology: A bibliography of NIST publications
[PB91-132266] 14 p2258 N91-22489

DEWEGER, B. M. M.
How to solve explicity a Thue-Mahler equation
[MEMO-905] 14 p2320 N91-22813

DEWEGER, MARK
Generalized adaptive search: Analysis of codings and extension to parsing
[MEMO-INF-91-23] 22 p3736 N91-30805

DEWEY, DONALD E.
Integrated technology development laboratories
07 p1046 N91-15743

DEWHURST, WARREN T.
The application of minimum-curvature-derived surfaces in the transformation of positional data from the North American datum of 1927 to the North American datum of 1983
[PB91-124131] 12 p1916 N91-20542

DEWILDE, J. P.
Solid fuel combustion chamber
[LR-648] 11 p1673 N91-19222

DEWILDE, JAN-PIETER
Fuel pyrolysis effects on hybrid rocket and solid fuel ramjet combustor performance
[ISBN-90-6275-666-2] 17 p2743 N91-25181

DEWINTER, D.
Ultraviolet, visual, and infrared studies of galactic extreme emission line objects with very large IR-excess
09 p1442 N91-17950

DEWISPELAERE, RENE
The air traffic controller facing automation: Conflict or cooperation 02 p0176 N91-11001

DEWIT, JAAP
Unicellular algae in space. 3: Addendum
11 p1753 N91-19641

DEWITT, J. RUSSELL
IVA the robot: Design guidelines and lessons learned from the first space station laboratory manipulation system 12 p1935 N91-20643

DEWITT, K. J.
Thermal modeling of a Ni-H2 battery cell
[NASA-CR-188538] 17 p2768 N91-25319

DEWITT, KENNETH J.
Pressure measurements in a low-density nozzle plume for code verification
[NASA-TM-105170] 21 p3467 N91-29228

DEWOLF, SJOERD
Modelling, system identification, and control of an evaporative continuous crystallizer
[ISBN-90-370-0043-6] 17 p2870 N91-25877

DEWSNAP, JOHN R.
A comparison of the optimization and analysis of doubly curved shells using MSC/NASTRAN and ASTROS
[AD-A230682] 12 p1914 N91-20531

DEXTER, JAMES L.
A narrow-bandwidth unstable resonator laser cavity
[AD-D014865] 18 p2989 N91-26505
An ultraviolet optical isolator utilizing the KDP-isomorphs
[AD-D014860] 18 p3063 N91-26923

DEXTER, N.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535

DEXTER, R.
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960

DEXTER, R. J.
Performance of underwater weldments
[PB91-129254] 11 p1717 N91-19452

DEXTER, R. N.
The Madison symmetric torus
[DE90-010306] 08 p1226 N91-16757
q-Dependence of magnetic turbulence in a tokamak
[DE91-009679] 14 p2329 N91-22867

DEY, ARJUN
Radio loud far-infrared galaxies
08 p1253 N91-16902

DEY, DIETER
The use of system simulation during the definition phase of the passenger transport aircraft MPC75
07 p1046 N91-15741

DEY, DIPAK K.
Improved estimation of variance components in mixed models
[AD-A226854] 06 p0867 N91-14794
Fixed sample and sequential problems with applications in reliability
[AD-A234547] 18 p2996 N91-26547

DEYERL, ERIC
Design of a scientific probe for obtaining Mars surface material
[NASA-CR-186672] 02 p0293 N91-11641

DEYONG, LEO
The development of an igniter for plastic thermite
[MRL-TR-90-24] 07 p0986 N91-15415
A study of the radiant ignition of a range of pyrotechnic materials using a CO2 laser
[MRL-TR-90-20] 07 p0987 N91-15416

DEYOUNG, DAVID
Radio astronomy 24 p4119 N91-33018

DEZAIRE, J. P.
Civil and military satellite communications: A systems overview and the future developments
[AD-A236441] 19 p3151 N91-27417

DEZEEUW, W. A.
On the efficiency of rail accelerators
[PML-1990-64] 15 p2386 N91-23204

DEZOTTI, G.
Extragalactic source counts, confusion limits and contributions to the background radiation in the sub-mm
13 p2173 N91-21995

DEZWAAN, F.
Catalogue of ESA publications in 1988
[ESA-SP-1088] 22 p3768 N91-31006
Catalogue of ESA publications in 1989
[ESA-SP-1089] 22 p3768 N91-31007
DHAGAT, ADITI
On-line algorithms for 2-coloring hypergraphs via chip games
[AD-A230200] 12 p1956 N91-20758
DHAKHWA, G.
Simulated effects of a doubling of carbon dioxide on corn production in portions of the central US
[DE91-016843] 23 p3892 N91-31722
DHARANI, L. R.
Pressureless densification of ceramic matrix composites
[AD-A235031] 18 p2964 N91-26362
DHEANDHANOO, S.
Construction of flowing afterglow apparatus
[AD-A231062] 13 p2151 N91-21855
DHENDECOURT, L.
Infrared spectroscopy of a carbon extract from the Orgueil meteorite 10 p1620 N91-18934
DHENDECOURT, L. B.
First detection of C3H2 at sub-mm wavelengths
13 p2177 N91-22022
DHENDECOURT, LOUIS B.
Red fluorescence and 3-12 micron emission in NGC 2023, HD 44179, M 82, and Lynds 1780
06 p0891 N91-14924
Influence of temperature on the infrared spectrum of the coronene molecule 06 p0893 N91-14932
PAHs molecules and heating of the interstellar gas
06 p0894 N91-14939
DHILLON, MANJEET
Development of the ORBUS(R) 1 carbon fiber/epoxy motor case for the STARS/STARBIRD programs
16 p2576 N91-24277
DHINGRA, A. K.
Applications of fuzzy theories to multi-objective system optimization
[NASA-CR-177573] 08 p1095 N91-16012
DHIR, V. K.
Enhancement of forced convection heat transfer in tubes using staged tangential flow injection
[PB90-247594] 02 p0209 N91-11170
DHUMIERES, D.
A Knudsen layer theory for lattice gases
[ETN-90-97583] 01 p0042 N91-10248
DI, XIAO
Distorted-wave born approximation calculations for turbulence scattering in an upward-refracting atmosphere 08 p1217 N91-16700
DIAK, GEORGE
Observation simulation experiments with regional prediction models 08 p1181 N91-16502
DIALETIS, D.
Diffusion fields in a toroidal conducting shell of circular cross section
[AD-A228021] 08 p1127 N91-16197
DIALLO, B. S.
Aerosol sensing from balloons using photopolarimetry
24 p4034 N91-32538
DIAMOND, P. H.
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
A kinetic theory of trapped electron driven drift wave turbulence in a sheared magnetic field
[DE91-004302] 09 p1394 N91-17668
Detection of coherent structures in the edge of the TEXT tokamak plasma
[DE91-015183] 21 p3588 N91-29958
DIAMOND, R. M.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
DIAMOND, S. K.
Quantum device development
[AD-A225813] 04 p0587 N91-13280
DIANOV, YE. M.
Breakup of femtosecond pulses during amplification in Er(3+)-doped single-mode optical fibers
11 p1788 N91-19812
DIAS, JOAO LUIS DEBARROS
Probabilistic finite element methods for problems in solid mechanics 22 p3691 N91-30552
DIAZ, H. F.
Climate system research
[DE91-001779] 07 p1027 N91-15635
A comprehensive precipitation data set for global land areas
[DE91-010321] 16 p2660 N91-24718
Climate research system
[DE91-016903] 24 p4070 N91-32742
DIAZDELARUBIA, T.
Interactions of energetic particles and clusters with solids
[NASA-CR-188000] 10 p1606 N91-18865
Mechanisms of defect production and atomic mixing in high energy displacement cascades: A molecular dynamics study
[DE91-017082] 24 p4111 N91-32979
DIBARI, M. T.
The OASI observatory in Antarctica
13 p2179 N91-22036
DIBATTISTA, JOHN
NASA information sciences and human factors program
[NASA-TM-4291] 18 p3097 N91-27119
DIBELLA, F. A.
Integrated natural gas engine cooling jacket vapor compressor program
[PB91-144576] 16 p2651 N91-24674
DIBENEDETTO, J.
Uniform field laser illuminator for remote sensing
[DE91-010823] 17 p2781 N91-25391
DIBROZOLO, F. RADICATI
LDEF impact craters formed by carbon-rich impactors
16 p2712 N91-25008
DICAPUA, M. S.
High average power switching for linear accelerators
[DE91-011525] 17 p2862 N91-25830
DICARLO, JAMES A.
A simple test for thermomechanical evaluation of ceramic fibers
[NASA-TM-103767] 13 p2055 N91-21309
DICHTER, BRONISLAW K.
Demonstrate the feasibility of a detection method to separate neutral particles from charged particles in the MeV/nucleon energy range
[AD-A225656] 04 p0494 N91-12745
DICK, DAVID R.
Slaying the software dragon: A look at how software engineering, the Ada programming language and process maturity are changing software development
[AD-A237156] 21 p3555 N91-29751
DICK, G. JOHN
Ultra-stable Hg(+) trapped ion frequency standard
17 p2852 N91-25768
Zero-crossing detector with sub-microsecond jitter and crosstalk 17 p2853 N91-25776
Local oscillator induced degradation of medium-term stability in passive atomic frequency standards
17 p2857 N91-25798
DICK, J. J.
Shock initiation of pentaerythritol tetranitrate crystals: Steric effects due to plastic flow
[DE91-013389] 20 p3326 N91-28420
Equation of state and crushing dynamics of low-density silica aerogels
[DE91-014766] 20 p3364 N91-28637
Shock initiation of pentaerythritol tetranitrate crystals: Optical absorption and emission studies
[DE91-013381] 20 p3429 N91-29023
DICK, JAMES S.
Life cycle cost based program decisions
20 p3299 N91-28248
DICK, ROLF
Organization and activities of the DLR
07 p0947 N91-15193
DICKENS, J. K.
Computed secondary-particle energy spectra following nonelastic neutron interactions with C-12 for E(n) between 15 and 60 MeV: Comparisons of results from two calculational methods
[DE91-010454] 15 p2503 N91-23864
Scintillation detector efficiencies for neutrons in the energy region above 20 MeV
[DE91-012544] 20 p3399 N91-28837
DICKENS, M.
Performance of multiple tasks by an autonomous robot using visual and ultrasound sensing
[DE90-010719] 09 p1344 N91-17383
DICKENSON, MICHAEL L.
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 1: January
[AD-A227122] 08 p1176 N91-16476
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 2: February
[AD-A227123] 08 p1177 N91-16477
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 3: March
[AD-A227124] 08 p1177 N91-16478
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 4: April
[AD-A227125] 08 p1177 N91-16479
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 7: July
[AD-A227126] 08 p1177 N91-16480
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 10: October
[AD-A227127] 08 p1177 N91-16481
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 5: May
[AD-A232977] 16 p2659 N91-24711
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 6: June
[AD-A232978] 17 p2812 N91-25543
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 8: August
[AD-A232979] 17 p2812 N91-25544
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 9: September
[AD-A232980] 17 p2813 N91-25545
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 11: November
[AD-A232981] 17 p2813 N91-25546
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 12: December
[AD-A232982] 17 p2813 N91-25547
DICKERSON, GEORGE E.
Process for bonding elastomers to metal
[NASA-CASE-LAR-13645-1] 20 p3327 N91-28424
DICKEY, J.
Use of radiation efficiency in noise control engineering
[AD-A225054] 03 p0415 N91-12319
Designing a negligible reflection coefficient for a uniform panel with compliant layer
[AD-A225708] 04 p0579 N91-13225
Response of regularly ribbed fluid loaded panels
[AD-A230088] 12 p1913 N91-20522
Reflection of incident pressure waves by ribbed panels
[AD-A233671] 18 p2983 N91-26469
DICKEY, JEAN O.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
DICKEY, JOHN M.
NGC 1058: Gas motions in an extended, quiescent spiral disk 05 p0734 N91-14103
Neutral hydrogen in the starburst galaxy NGC3690/IC694 05 p0735 N91-14104
DICKINSON, BRADLEY W.
Analog computation in neural systems: Architectures and complexity
[AD-A237856] 21 p3560 N91-29785
DICKINSON, I. P.
A VDM-SL specification for the VI pattern matcher
[NPL-DITC-171/91] 24 p4083 N91-32808
DICKINSON, J. T.
Particle emission and charging effects induced by fracture
[AD-A236213] 19 p3180 N91-27584
DICKINSON, M. R.
Broad-beam, high current, metal ion implantation facility
[DE91-009329] 13 p2052 N91-21291
DICKMAN, STEVEN R.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
DICKSON, KATHERINE J.
Space human factors publications: 1980-1990
[NASA-CR-4351] 12 p1930 N91-20620
DICKSON, T. L.
Potential impact of enhanced fracture-toughness data on pressurized-thermal-shock analysis
[DE91-001493] 05 p0677 N91-13763
Potential impact of enhanced fracture-toughness data on fracture mechanics assessment of PWR vessel integrity for pressurized thermal shock
[DE91-009554] 15 p2438 N91-23509
DIDEBULIDZE, G. G.
Investigation of the night sky airglow near the epicenter of the earthquake 06 p0923 N91-15107
DIDIER, MURIEL
How to design efficient MMI for space
15 p2452 N91-23586
DIDONATO, ARMIDO R.
Significant digit computation of the elliptical coverage function
[AD-A230523] 12 p1970 N91-20839
DIDONATO, LORETTA
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) plan
[DOT/FAA/CT-TN90/9] 07 p1030 N91-15651
DIDZIULIS, S. V.
Resonant photoelectron spectroscopy at the Mo 4p yields 4d absorption edge in MoS2
[AD-A235469] 19 p3123 N91-27251
DIEBOLD, GERALD J.
Photochemical generation of the optoacoustic effect
[DE91-000857] 07 p1067 N91-15872
DIECKMAN, S.
Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378

DIECKMAN, S. L.
Quantitative MRI (Magnetic Resonance Imaging) measurement of binder distributions in green-state ceramics
[DE91-004418] 07 p1013 N91-15564
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE90-011092] 08 p1118 N91-16141
Three-dimensional nuclear magnetic resonance and x ray microtomographic imaging of composite materials
[DE91-006477] 10 p1493 N91-18220
Nuclear magnetic resonance imaging of green-state ceramics
[DE91-010750] 17 p2762 N91-25292
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE91-012471] 20 p3325 N91-28410
The 3-D NMR imaging: A chemical microscope for analysis of heterogeneous macromolecular networks
[DE91-015109] 21 p3491 N91-29375
DIECKMANN, R.
Defects and transport in mixed oxides
[DE91-014443] 20 p3434 N91-29049
Defects and transport in mixed oxides
[DE91-014537] 21 p3474 N91-29266
DIEFFENBACH, CARL W.
Molecular studies of cytokine induction
[AD-A232221] 15 p2475 N91-23707
Molecular studies of cytokine induction
[AD-A235326] 18 p3030 N91-26731
DIEGLE, R. B.
Exploratory battery technology development and testing report for 1989
[DE91-006753] 11 p1698 N91-19352
DIEHL, B. C.
ONR tropical cyclone motion research initiative: Field experiment summary
[AD-A231152] 13 p2122 N91-21679
DIEHL, HERMANN
Radiometric noise in digitized photographs
[MBB-Z-0170-90-PUB] 17 p2780 N91-25384
DIEKMANN, ODO
The center manifold for delay equations in the light of suns and stars
[CWI-AM-R9007] 03 p0411 N91-12297
DIEMAND, DEBORAH
In-house laboratory independent research program, FY88
[AD-A229665] 12 p1916 N91-20540
Lubricants at low temperatures
[AD-A234536] 18 p2962 N91-26348
Automotive fuels at low temperatures
[AD-A236040] 19 p3144 N91-27378
DIEMOZ, M.
A global fit to the Z(0) line shape
[NOTA-INTERNA-966] 11 p1798 N91-19868
DIENDORFER, GERHARD
Influence of channel base current and varying return stroke speed on the calculated fields of three important return stroke models 24 p4069 N91-32736
DIERIAM, TODD A.
Entry vehicle performance analysis and atmospheric guidance algorithm for precision landing on Mars
[NASA-CR-185614] 01 p0017 N91-10102
DIERICKX, B.
Optimization of CMOS technology and design for deep cryogenic analog circuits 24 p3991 N91-32296
DIERLAM, TODD A.
Entry vehicle performance analysis and atmospheric guidance algorithm for precision landing on Mars
[AD-A231585] 13 p2041 N91-21228
DIEROLF, DAVID A.
Concurrent engineering teams. Volume 2: Annotated bibliography
[AD-A236094] 19 p3145 N91-27383
Concurrent engineering teams. Volume 1: Main text
[AD-A236093] 19 p3259 N91-28024
DIESEL, DONALD A.
Influence of cold exposure on ventilation, respiratory heat loss, and pulmonary deposition/clearance
[AD-A224680] 04 p0551 N91-13054
DIETENBERGER, M. A.
A dynamic failure model for ductile materials
[AD-A233600] 16 p2601 N91-24414
DIETERICH, WILLIAM
An experimental investigation into the use of hot-film anemometry to measure vortical velocity behind a pitching wing
[AD-A227177] 06 p0778 N91-14313
DIETRICH, DANIEL L.
Fire suppression in human-crew spacecraft
[NASA-TM-104334] 13 p2033 N91-21182
DIETRICH, G.
Oxidation inhibited carbon/carbon: A candidate material for hot structures 03 p0328 N91-11825
DIETRICH, J.
Multisensory telerobotic concepts for space and underwater applications 15 p2452 N91-23584
DIETRICH, MATTHIAS
The interacting pair Mkn 305/306 08 p1246 N91-16864
DIETRICH, ROBERT W.
The MESA accelerometer for space application 03 p0431 N91-12413
DIETZ, K. L.
Nonintrusive nitric oxide density measurements in the NASA Langley arc-heated scramjet engine test facility
[AD-A231260] 13 p2026 N91-21142
Ultraviolet/visible spectral radiance for the bow shock of a projectile launched at high velocities in the AEDC track G facility
[AD-A236503] 19 p3102 N91-27137
DIETZ, W. E.
Interactive EAGLE: An interactive surface mesh and three-dimensional grid generation system. Version 1.0 user's guide
[AD-A230093] 12 p1955 N91-20757
DIEUMEGARD, D.
High Tc superconductors for microwave filters 05 p0723 N91-14038
DIEZDEFRUTOS, A.
Space silicon diodes: A survey of available technologies and related manufacturing and reliability aspects 24 p3994 N91-32320
DIGIACOMO, NICHOLAS
CAD tools for detector design
[DE90-017337] 02 p0254 N91-11412
DIGIROLAMO, ROBERT D.
Flight control law synthesis using neural network theory
[AD-A234990] 18 p2927 N91-26149
DIGMAN, R. MICHAEL
AdaNET executive summary
[NASA-CR-187383] 04 p0558 N91-13091
AdaNET research project
[NASA-CR-187389] 04 p0558 N91-13092
DIGNON, J.
NO(x) pollution from biomass burning: A global study
[DE91-010154] 16 p2655 N91-24691
Impact of reactive nitrogen emissions from fossil fuel combustion and biomass burning on atmospheric chemistry
[DE91-017651] 24 p4042 N91-32588
DIJKHUIZEN, G.
A cutting-plane approach to the edge-weighted maximal clique problem
[MATHS-MEMO-874] 10 p1572 N91-18644
DIJKSMA, AAD
Interpolation problems, extensions of symmetric operators and reproducing kernel spaces, 2
[W-9005] 10 p1585 N91-18738
DIJKSTRA, D.
Numerical definition document for the ISNaS time-implicit flow solver
[MEMO-935] 22 p3679 N91-30488
DIJKSTRA, EELCO J.
A note on improving utilization of disk space in a general purpose file system
[CS-9010] 14 p2341 N91-22945
DIJKSTRA, F.
Solid fuel combustion chamber
[LR-648] 11 p1673 N91-19222
DIJKSTRA, H. A.
Three-dimensional Marangoni convection (MASER 1) ESA 23 p3827 N91-31343
DIJKSTRA, P.
Theoretical and experimental performance of a solid fuel ramjet combustion cycle for hypersonic flight conditions 15 p2379 N91-23170
DIJKSTRA, SJOERD
An integrated dynamic model of a flexible wind turbine
[MEMT-6] 03 p0386 N91-12152
DILL, C.
Airflow model testing to determine the distribution of hot gas flow and O/F ratio across the space shuttle main engine main injector assembly 16 p2570 N91-24244
DILL, JAMES F.
Reduction in bearing size due to superconductors in magnetic bearings 13 p2038 N91-21211
DILLARD, D. A.
The development of piezoelectric poly(vinylidene fluoride) sensors for measuring peel stresses in adhesive joints
[AD-A233880] 18 p2998 N91-26559
DILLARD, P. A.
An approach for configuring space photovoltaic tandem arrays based on cell layer performance 11 p1669 N91-19197
DILLENIUS, MARNIX F. E.
Aerodynamic design of Pegasus (trademark): Concept to flight with CFD 06 p0773 N91-14285
Chordwise and spanwise centers of pressure of missile fins 06 p0776 N91-14304
DILLEY, A. D.
Zonal analysis of two high-speed inlets 13 p2016 N91-21089
DILLINGER, S.
Combining base-motion testing with techniques developed for point-force excitation for the modal identification of mechanical structures 07 p0956 N91-15257
New capabilities in modal testing on large-scale project level 07 p0956 N91-15258
DILLMANN, ANDREAS
Theory of homogeneous nucleation from the vapor phase
[MPIS-MITT-93] 02 p0192 N91-11077
DILLON, A. C.
FTIR studies of H2O and D2O decomposition on porous silicon surfaces
[AD-A226581] 04 p0503 N91-12792
FTIR studies reveal that silicon-containing laser-induced desorption products are surface reaction intermediates
[AD-A226582] 04 p0503 N91-12793
Ammonia decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A226625] 05 p0634 N91-13513
FTIR studies of water and ammonia decomposition on silicon surfaces
[AD-A234637] 18 p2948 N91-26265
Diethylsilane decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A234638] 18 p2948 N91-26266
Adsorption and decomposition of diethylsilane on silicon surfaces
[AD-A234639] 18 p2948 N91-26267
DILLON, M. P.
Polymer characterization using the time-resolved phosphorescence of singlet oxygen as a spectroscopic probe
[DE91-001269] 11 p1688 N91-19303
Polymer characterization using singlet oxygen phosphorescence as a spectroscopic probe
[DE91-011735] 18 p2967 N91-26382
DILMANIAN, F. A.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
DIMARCANTONIO, U.
The role of photosensitive polyimides in the development of hybrid space hardware 24 p3994 N91-32321
DIMARCQ, N.
Physical origin of the frequency shifts in cesium beam frequency standards: Related environmental sensitivity 17 p2856 N91-25794
DIMAURO, L. F.
Proposed UV-FEL user facility at BNL
[DE91-001131] 04 p0530 N91-12938
Intense field non-resonant multiphoton absorption of diatomic molecules
[DE91-006920] 11 p1793 N91-19835
DIMELFI, R. J.
Microstructural evolution in a ferritic-martensitic stainless steel and its relation to high-temperature deformation and rupture models
[DE91-006471] 09 p1316 N91-17227
DIMEO, HILDA M.
Satellite data link validation test plan
[DOT/FAA/CT-TN91/6] 24 p3988 N91-32282
DIMITROV, B. G.
Large-scale vortices in compressible turbulent medium with the magnetic field 06 p0922 N91-15095
DIMITROVA, M. M.
Structure of accretion flow in close binary system: A two dimensional numerical model 06 p0922 N91-15093
DIMOCK, NORMAN F.
Automatic Dependent Surveillance (ADS) development in Canada 24 p3956 N91-32104
DIMOTAKIS, PAUL E.
Combustion in turbulent jets and buoyant flames, phase 1
[PB90-269655] 09 p1309 N91-17182
Chemical reactions in turbulent mixing flows
[AD-A232610] 15 p2428 N91-23450
DIMPAULT-DARCY, ERIC C.
Thermal switch disc for short circuit protection of batteries
[NASA-CASE-MSC-21428-1] 06 p0821 N91-14537
DINANNO, L.
Wear reduction systems liquid piston ring
[DE91-002036] 16 p2636 N91-24595

DINARDO, R.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0198 N91-11108
DINAVAHI, SURYA
Testing of transition-region models: Test cases and data
[NASA-CR-4371] 17 p2728 N91-25104
DINER, DANIEL B.
Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects
[NASA-CASE-NPO-18028-1-CU]
16 p2688 N91-24878
DINETTA, L. C.
AlGaAs top solar cell for mechanical attachment in a multi-junction tandem concentrator solar cell stack
11 p1667 N91-19187
Direct glass bonded high specific power silicon solar cells for space applications 22 p3634 N91-30221
DINETTA, LOUIS C.
Development of N/P AlGaAs free-standing top solar cells for tandem applications 22 p3633 N91-30218
DING, GUOLI
Disjoint paths in a planar graph: A general theorem
[CWI-BS-R9012] 10 p1583 N91-18718
Disjoint cycles in directed graphs on the torus and the Klein bottle
[CWI-BS-R9013] 10 p1583 N91-18719
DING, J. L.
Creep and creep-rupture behavior of Alloy 718
[DE91-007706] 15 p2401 N91-23298
DING, XURU
An analytic study of general dynamic model and nonlinear feedback control of flexible robot arms
15 p2436 N91-23497
DING, Z. Y.
Model filled polymers. Part 6: Determination of the crosslink density of polymeric beads by swelling
[AD-A225783] 04 p0507 N91-12816
DING, ZHENG-YOU
Model filled polymers 9: Synthesis of uniformly crosslinked polystyrene microbeads
[AD-A237472] 21 p3488 N91-29352
DINGER, ROBERT J.
Portable 45-gigahertz radar for glint and scintillation studies
[AD-A238005] 21 p3500 N91-29421
DINGHUA, WANG
Second-harmonic generation of TEA CO2 10.6 micrometer laser light in AgGaS2 crystals
[AD-A237169] 21 p3522 N91-29564
DINGUS, B. L.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
DINGUS, C.
Navier-Stokes computation of compressible turbulent flows with a second order closure
[NASA-CR-188451] 16 p2626 N91-24543
DINGUS, MICHAEL L.
Helium 3/Helium 4 dilution cryocooler for space
[NASA-CR-184140] 12 p1879 N91-20327
DINGUS, R. S.
Gruneisen-stress induced ablation of biological tissue
[DE91-009957] 14 p2298 N91-22702
Ablation of material by front surface spallation
[DE91-014773] 21 p3522 N91-29563
DINI, J. W.
Electroplating, electroless plating and electroforming
[DE91-005399] 10 p1507 N91-18294
Perspective on plating for precision finishing
[DE91-011927] 20 p3322 N91-28394
DINI, PAOLO
A computationally efficient modelling of laminar separation bubbles 15 p2421 N91-23411
DINKELACKER, MICHAEL
Gas evolution and bubble formation on electrodes
[ESA-TT-1191] 15 p2398 N91-23278
DINWIDDIE, R. B.
Temperature dependence of the thermal conductivity of carbon-carbon composites
[DE91-010133] 17 p2747 N91-25197
Investigation into the effect of heat treatment on the thermal conductivity of 3-D carbon/carbon fiber composites
[DE91-010388] 18 p2944 N91-26240
DION, C.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848
DION, G. M.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
DIONISI, C.
Search for supersymmetric particles at LEP: Results and prospects
[NOTA-INTERNA-947] 12 p1977 N91-20879
DIONNE, P. J.
Conjugate (solid/fluid) computational fluid dynamics analysis of the space shuttle solid rocket motor nozzle/case and case field joints
02 p0151 N91-10879
DIPIETRO, M. S.
Low-density, high-strength intermetallic matrix composites by XD (trademark) synthesis
[NASA-TM-103724] 11 p1675 N91-19233
DIPIPPO, SIMONETTA
Telerobotics: A key area for possible technology transfer from underwater to space 15 p2451 N91-23581
DIPPERY, RICHARD EARL, JR.
A study in stress concentration optimization using boundary element methods 09 p1352 N91-17425
DIPPOLITO, D. A.
Fundamental studies of fusion plasmas
[DE91-015656] 21 p3589 N91-29964
DIPRAMPERO, PIETRO E.
Effects of short-lasting weightlessness on gas exchange during light exercise 11 p1741 N91-19573
Pedalling in space to simulate gravity: The twin-bike system 11 p1743 N91-19583
DIRKS, GREGORY J.
Thermal analysis of the ultraviolet imager camera and electronics
[NASA-CR-188665] 19 p3169 N91-27520
DIRKS, J. A.
Potential impacts of global climate change on solar thermal power systems
[DE91-011239] 17 p2808 N91-25526
DISA, R.
Geometric modeling applications interface program, volume 3
[AD-A228061] 09 p1380 N91-17586
DISALVO, F. J.
Synthesis, structure, and properties of anti-perovskite nitrides Ca3MN, M=P, As, Sb, Bi, Ge, Sn, and Pb
[AD-A236589] 19 p3126 N91-27273
Synthesis, structure, and properties of a new intermetallic compound, Ca7Ni4Sn13
[AD-A236702] 19 p3135 N91-27321
DISALVO, FRANCIS
The structure of Ta3N5 at 16K by time-of-flight neutron diffraction
[AD-A236596] 20 p3423 N91-28987
Synthesis and properties of novel cluster phases
[DE91-013006] 20 p3428 N91-29013
DISANTI, MICHAEL A.
A composition comparison between comets P/Halley and P/Brorsen-Metcalf 12 p2001 N91-21016
Infrared spectroscopy of comets
12 p2004 N91-21026
The P/Halley: Spatial distribution and scale lengths for C2, CN, NH2, and H2O 17 p2893 N91-25992
Infrared remote sensing of cometary parent volatiles from the ground, air, and space
17 p2895 N91-26003
DISEREGOALIGHIERI, S.
PKS2152-69: A misdirected Blazar
09 p1444 N91-17960
DISIMILE, P. J.
Space vehicle propulsion systems: Environmental space hazards
[NASA-CR-188094] 13 p2043 N91-21236
DISIMILE, PETER J.
An investigation into the flow behavior of a single phase gas system and a two phase gas/liquid system in normal gravity with nonuniform heating from above
[NASA-CR-185304] 03 p0348 N91-11944
DISSELKOEN, V. C. J.
Tools for the rectilinear Steiner tree problem
[RUU-CS-90-8] 04 p0566 N91-13141
DISTEFANO, J. R.
Corrosion of refractory metals in liquid metal and gaseous environments
[DE91-009555] 20 p3320 N91-28378
DISTEFANO, SALVADOR
Secondary Li battery incorporating 12-crown-4 ether
[NASA-CASE-NPO-17922-1-CU]
05 p0652 N91-13621
Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU]
06 p0821 N91-14536
Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU]
06 p0821 N91-14538
Metal chloride cathode for a battery
[NASA-CASE-NPO-17809-1-CU]
19 p3161 N91-27478
DITMAN, L. S., JR.
Optical phase conjugate beam modulator and method therefor
[AD-D014569] 06 p0872 N91-14820
DITTAMI, LOUIS J.
Optical transmission properties of selected shelter materials
[AD-A225072] 03 p0418 N91-12338
DITTMAR, JAMES H.
The effect of swirl recovery vanes on the cruise noise of an advanced propeller
[NASA-TM-103625] 02 p0267 N91-11494
Potential reduction of en route noise from an advanced turboprop aircraft
[NASA-TM-103635] 07 p1062 N91-15842
Ultra-high bypass research 12 p1841 N91-20117
DITTMAR, MARK B.
Indirect measurement of the viscosity of the intergranular glass phase in yttria-sintered silicon nitride
23 p3930 N91-31965
DITTNER, P. F.
Electron ion interactions in crystal channels: Collisions in ultra-dense electron media
[DE91-004398] 07 p1072 N91-15897
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791
DITTRICH, K.
Development and real-test of a ramjet nozzle made of liquid-silicon-infiltrated C/SiC 03 p0332 N91-11856
DITTRICH, KAY W.
Multifunctional structures for aerospace applications
03 p0334 N91-11875
DIVADEENAM, M.
A computer model to determine the primary contributors to relative radiation dose received by astronauts
[DE90-015681] 05 p0694 N91-13866
DIVAN, DEEPAKRAJ M.
High power density dc/dc converter: Component selection and design
[NASA-CR-186965] 04 p0517 N91-12873
High power density dc-to-dc converters for aerospace applications
[NASA-CR-188611] 17 p2769 N91-25321
DIVAN, P.
Aerodynamic preliminary analysis system 2. Part 2: User's manual
[NASA-CR-182077] 15 p2364 N91-23081
DIVASALAR, DARIUSH
Trellis coded modulation for transmission over fading mobile satellite channel
[NASA-CASE-NPO-16904-2-CU]
06 p0818 N91-14523
DIVECHA, A. P.
Synthesis and characterization of high temperature superconductor materials 05 p0725 N91-14048
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796
DIVECHA, AMARNATH P.
Method of soldering aluminum
[AD-D014696] 12 p1868 N91-20262
Silver lined ceramic vessel and method of preparation
[AD-D014953] 24 p3978 N91-32224
DIVER, R. B.
United States Department of Energy solar receiver technology development
[DE91-012653] 20 p3367 N91-28651
DIVITO, BEN L.
High level design proof of a reliable computing platform 09 p1377 N91-17567
DIVITTORIO, S. L.
The transport properties of activated carbon fibers
[DE90-015910] 01 p0022 N91-10130
DIVSALAR, DARIUSH
Doppler-corrected differential detection system
[NASA-CASE-NPO-16987-1-CU]
17 p2767 N91-25316
Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU]
19 p3155 N91-27439
DIWAN, RAVINDER M.
A study of hydrogen environment effects on microstructure property behavior of NASA-23 alloy and related alloy systems 10 p1628 N91-18977
DIWANJI, ASHISH P.
Interface characterization of carbon/aluminum composites 14 p2239 N91-22383

DIX, G. P.
Contributions and future of radioisotopes in medical, industrial, and space applications
[DE91-005245] 10 p1594 N91-18792
DIX, L. S.
Recruitment, retention, and utilization of federal scientists and engineers
[PB91-179366] 19 p3260 N91-28028
DIXIT, S. N.
Photoelectron spectroscopy of excited molecular states
[DE90-012088] 09 p1395 N91-17673
Ionic two photon states and optical nonlinearity in (pi)-conjugated polymers
[DE91-006709] 10 p1505 N91-18284
DIXON, DAVID
Method for providing EMI/EMP hardening and breakdown protection in composite materials
[AD-D014846] 16 p2590 N91-24356
Composite material for EMI/EMP hardening protection in marine environments
[AD-D014847] 16 p2590 N91-24357
DIXON, DAVID S.
Universal ground adapter assembly
[AD-D014908] 21 p3502 N91-29439
DIXON, GENE A.
An annotated bibliography of hypobaric decompression sickness research conducted at the Crew Technology Division, USAF School of Aerospace Medicine, Brooks AFB, Texas from 1983 to 1988
[AD-A231355] 13 p2128 N91-21710
DIXON, L. C.
Optimisation algorithms for highly parallel computer architectures
[AD-A235911] 19 p3225 N91-27827
DIXON, PETER G. C.
Soft hub for bearingless rotors
[NASA-CR-177586] 16 p2559 N91-24198
DIXON, RAYMOND D.
Beryllium weldability
[DE90-014696] 01 p0026 N91-10155
Analysis of bond quality by resonant ultrasound
[DE91-000439] 05 p0673 N91-13743
DIXON, W. V.
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
DJOMEHRI, J.
Computer simulations of ions in radio-frequency traps 03 p0354 N91-11975
DJUMIC, M.
Developments in medical audit in hospitals in the National Health Service
[ETN-91-99984] 23 p3899 N91-31762
DJUTH, F. T.
A theoretical model for the temporal evolution of HF-enhanced plasma lines 10 p1548 N91-18518
DMITRIADI, D.
Limited current capabilities for cosmonaut rescue 18 p2933 N91-26179
DMITRIYEV, A. P.
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-010] 01 p0098 N91-10568
DO, DUNG
Tests of the general fire suppression concentrate Pyrocap B-136
[DOT/FAA/CT-TN90/21] 01 p0005 N91-10029
DOANE, GEORGE B., III
Propulsion stability codes for liquid propellant propulsion systems developed for use on a PC computer
[NASA-CR-184983] 18 p2937 N91-26201
DOARN, CHARLES R.
Medical evaluations on the KC-135 1990 flight report summary
[NASA-TM-104740] 24 p4077 N91-32776
DOAZAN, VERA
Atlas of far UV and optical spectra of Be stars 09 p1434 N91-17897
Implications on stellar structure/evolution of the observed association between energy/mass fluxes and multi-regional atmospheric structure 09 p1436 N91-17909
DOBACZEWSKI, J.
Shell model calculations at superdeformed shapes
[DE91-012954] 20 p3401 N91-28853
DOBBELAAR, JOHANNES AUGUSTINUS LEONARDUS
The use of impedance measurements in corrosion research: The corrosion behaviour of chromium and iron-chromium alloys
[ISBN-90-9003693-8] 08 p1117 N91-16135
DOBBS, B.
Laser and electrochemical studies of metallizations electronic devices
[AD-A229801] 12 p1875 N91-20307
DOBBS, GEOFFREY
Beacon activation device
[PATENT-1-256-916] 23 p3785 N91-31108
DOBES, Z.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
DOBIE, D.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463
DOBIE, T. G.
Ship roll stabilization and human performance
[AD-A232721] 15 p2478 N91-23721
DOBRANICH, D.
Heat transfer and thermal stress analyses of the multilayered spherical fuel particles of a particle bed space nuclear reactor
[DE91-010699] 17 p2863 N91-25831
DOBROVOLSKIS, A.
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
DOBRZYNSKI, WERNER
DLR aircraft noise research and testing techniques related to propeller driven aeroplane noise certification 03 p0307 N91-11718
DOBSON, B.
Atomic environments in iron meteorites using EXAFS 06 p0908 N91-15011
DOBSON, CRAIG
Mesoscale monitoring of the soil freeze/thaw boundary from orbital microwave radiometry
[NASA-CR-185901] 05 p0686 N91-13817
DOBSON, JOHN
The embedded electron-gas boundary: A new standard problem in surface physics
[AD-A238152] 21 p3597 N91-30014
DOBSON, M. CRAIG
Multiband radar characterization of forest biomes
[NASA-CR-185101] 06 p0839 N91-14638
DOBY, JOHN S.
NASA gateway requirements analysis
[NASA-TM-104951] 14 p2339 N91-22935
DOCTOR, P. G.
Multimedia Environmental Pollutant Assessment System (MEPAS) sensitivity analysis of computer codes
[DE90-010005] 08 p1171 N91-16445
DOCTOR, S. R.
Materials property measurements
[DE91-005612] 10 p1537 N91-18459
DOD, L. R.
The Millimeter-Wave Imaging Radiometer (MIR) 17 p2795 N91-25463
DODD, A.
TF89 design project airbrake and arrester hook design
[ETN-91-98853] 11 p1649 N91-19092
DODD, A. C.
The effect of a neutrino magnetic moment on nuclear excitation processes
[RAL-91-010] 24 p4095 N91-32876
DODD, C. V.
Improved eddy-current inspection for steam generator tubing
[DE91-002860] 07 p1013 N91-15561
DODD, CASIUS V.
Eddy-current inspection of shuttle heat exchanger tube welds 10 p1487 N91-18195
DODD, D. A.
Structural integrity assessment of concrete slabs by nondestructive examination and Fourier transform-infrared methods
[DE90-017233] 01 p0050 N91-10296
DODD, F. E.
Heavy hydrocarbon main injector technology program
[NASA-CR-184161] 13 p2043 N91-21235
DODD, G. C.
Cirrus cloud model parameterizations: Incorporating realistic ice particle generation 01 p0075 N91-10453
Subvisual Cirrus cloud properties derived from a FIRE IFO case study 01 p0077 N91-10464
DODD, H. M.
A 34-meter VAWT (Vertical Axis Wind Turbine) point design
[DE91-004565] 09 p1356 N91-17449
DODD, HENRY M.
The sensitivity of wind technology utilization to cost and market parameters
[DE91-002122] 07 p1026 N91-15629
DODD, JAMES WILLIAM
Sidebands in the free electron laser: Optical guiding effects and short pulses 14 p2268 N91-22551
DODD, RICHARD A.
Ion irradiation effects on a martensitic stainless steel designed for reduced long-life radioactivity
[DE91-005045] 10 p1497 N91-18242
DODDAPANENI, N.
Technology assessment of ambient temperature rechargeable lithium batteries for electric vehicle applications
[DE91-016500] 23 p3860 N91-31522
DODDS, H. L.
Pressure dynamics modeling for the design of the advanced neutron source reactor
[DE91-007860] 15 p2506 N91-23883
DODDS, JERRY
Optical performance of exposed solar cell covers 16 p2721 N91-25072
DODDS, PETER G.
Weakly compact subsets of symmetric operator spaces
[REPT-90-68] 10 p1584 N91-18729
Non-commutative Koethe duality
[REPT-90-67] 10 p1589 N91-18762
DODDS, R. H., JR.
Procedure for a drop tower testing of shallow cracked single edge notched band specimens
[AD-A226382] 04 p0537 N91-12976
DODDS, THERESA K.
Weakly compact subsets of symmetric operator spaces
[REPT-90-68] 10 p1584 N91-18729
Non-commutative Koethe duality
[REPT-90-67] 10 p1589 N91-18762
DODGE, L. G.
The effect of fuel properties and atomization on low temperature ignition in gas turbine combustors 23 p3794 N91-31164
DODGE, M.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
DODI, DANIEL
Design rules and system testing methods
[REPT-911-440-107] 15 p2389 N91-23222
Predictions and verification of ESD tests made with sphere injections on a flight representative telecommunication satellite: ARABSAT STM
[REPT-911-440-109] 15 p2389 N91-23224
DODONOV, V. V.
Propagators for quantum oscillator chains
[AD-A234467] 18 p3058 N91-26893
DODSON, B. W.
Effect of step edge transition rates and anisotropy in simulations of epitaxial growth
[DE91-001251] 06 p0882 N91-14875
DODSON, BRIAN W.
Stress accommodation in large-mismatch systems
[DE90-017032] 02 p0278 N91-11562
The role of chemical interactions in ion-solid processes
[DE91-000763] 05 p0713 N91-13977
DODSON, LORI J.
Hypersonic shock/boundary-layer interaction database
[NASA-CR-187769] 08 p1090 N91-15986
DODSWORTH, S. J.
User requirements determination and their implementation for ground data systems for spacecraft control: Keynote address 14 p2218 N91-22259
DOEBERLING, THOMAS J.
Update on results of SPRE testing at NASA Lewis
[NASA-TM-104425] 19 p3114 N91-27208
DOEFF, M. M.
Current status of solid-state lithium batteries employing solid redox polymerization cathodes
[DE91-016988] 24 p4007 N91-32404
DOELL, W.
Assessment of the reliability of windows of vacuum vessels 07 p0952 N91-15233
DOERING, BERNHARD
A simulation study for analysing pilot's rule-based behavior 07 p1044 N91-15726
DOERNER, R.
Correlations between charged particles emitted in ion-molecule collisions
[DE91-005557] 10 p1592 N91-18776
DOERR, STEPHEN EUGENE
Measurement of a three-dimensional hypersonic density field using holographic interferometry 21 p3518 N91-29539
DOGGETT, ROBERT V., JR.
Some observations on the Houbolt-Rainey and peak-hold methods of flutter onset prediction
[NASA-TM-102745] 05 p0615 N91-13411
Some buffet response characteristics of a twin-vertical-tail configuration
[NASA-TM-102749] 05 p0615 N91-13412
NASP aeroservothermoelasticity studies
[NASA-TM-104058] 19 p3100 N91-27127
Structural dynamic and aeroelastic considerations for hypersonic vehicles
[NASA-TM-104110] 19 p3101 N91-27133

DOGGETT, WILLIAM R.
Aerobrake assembly with minimum Space Station accommodation
[NASA-TM-102778] 13 p2034 N91-21183
DOGHRI, I.
Optimization of interface layers in the design of ceramic fiber reinforced metal matrix composites
[NASA-CR-185307] 06 p0801 N91-14422
DOHAN, Y.
Mating and unmating of multi-pin connectors under vacuum 24 p3994 N91-32319
DOHERTY, MICHAEL P.
Finite element analysis of thermal distortion effects on optical performance of solar dynamic concentrator for Space Station Freedom
[NASA-TM-102504] 04 p0532 N91-12954
DOHERTY, NANCY M.
Synthesis and study of metallonitride complexes and polymers
[AD-A232949] 16 p2605 N91-24434
DOHERTY, R. D.
Fracture of brittle solids 12 p1860 N91-20217
DOHOGNE, PATRICK W.
Optical testing cryogenic thermal vacuum facility 11 p1658 N91-19137
DOHRENWEND, J.
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594
DOHRMAN, C. R.
Force reconstruction using the inverse of the mode-shape matrix
[DE91-016407] 23 p3886 N91-31689
DOHRMANN, C. R.
Dynamics of rotating flexible structures by a method of quadratic modes
[DE91-009224] 13 p2101 N91-21565
DOI, SHUN
A two- and three-dimensional fluid flow analysis system using a fast linear system solver 04 p0451 N91-12516
DOIRON, SCOTT D.
Nimbus-7 TOMS Antarctic ozone atlas: August - December 1990
[NASA-RP-1264] 18 p3015 N91-26651
DOKKEN, DAVID
The 1991 EOS reference handbook
[NASA-NP-144] 19 p3183 N91-27603
DOLADILLE, FRANCOIS
SATEXPERT: An expert systems network for automatic spacecraft control 14 p2217 N91-22252
DOLENC, D. A.
Physical sciences program area 1990 contract status report
[PB90-252545] 04 p0578 N91-13220
DOLGIN, B. P.
Analysis of elastically tailored viscoelastic damping member 01 p0054 N91-10319
DOLGIN, BENJAMIN P.
Composite passive damping struts for large precision structures
[NASA-CASE-NPO-17914-1-CU] 05 p0678 N91-13767
DOLGIN, DANIEL L.
Naval aviation selection test scores and female aviator performance 02 p0245 N91-11363
DOLHERT, LEONARD E.
Spatial variations in ac susceptibility and microstructure for the YBa2Cu3O(7-x) superconductor and their correlation with room-temperature ultrasonic measurements
[NASA-TM-103787] 13 p2099 N91-21553
Ultrasonic evaluation of oxidation and reduction effects on the elastic behavior and global microstructure of YBa2Cu3O7-x
[NASA-TM-104529] 19 p3178 N91-27575
DOLIN, R. M.
A geometry based method of integrated engineering design, analysis, and optimization
[DE91-008588] 20 p3333 N91-28457
DOLINAR, S.
Maximum-entropy probability distributions under Lp-norm constraints 10 p1511 N91-18315
Compressed/reconstructed test images for CRAF/Cassini 10 p1511 N91-18316
DOLINAR, S. J.
The theoretical limits of source and channel coding 03 p0354 N91-11980
Recent advances in coding theory for near error-free communications 15 p2540 N91-24068
DOLLAR, CAROLYN S.
Correlates of two experimental tests with performance in the FAA academy air traffic control nonradar screen program
[AD-A226419] 04 p0476 N91-12658
DOLLAR, MAREK
Microstructure, plastic deformation and mechanical properties of mechanically alloyed NiAl and NiAl based alloys
[AD-A235135] 18 p2954 N91-26303
DOLLINS, ANDREW B.
Strategies to sustain and enhance performance in stressful environments
[AD-A232698] 15 p2476 N91-23714
DOLLMAN, THOMAS
Monitoring and analysis of data from complex systems 14 p2357 N91-23035
DOLLY, MARTIN C.
Radiation hardening of a high voltage IC technology (BCDMOS)
[DE90-008345] 08 p1131 N91-16220
DOLLYHIGH, SAMUEL M.
Concept development of a Mach 4 high-speed civil transport
[NASA-TM-4223] 05 p0619 N91-13432
DOMACK, CHRISTOPHER S.
Concept development of a Mach 4 high-speed civil transport
[NASA-TM-4223] 05 p0619 N91-13432
DOMBEK, B. DUANE
Optimum catalytic process for alcohol fuels from syngas
[DE91-000985] 04 p0511 N91-12843
DOMBROWSKI, EDMUND GERARD
Applications of speckle interferometry and speckle photometry to the Hyades cluster 15 p2526 N91-24001
DOMBROWSKI, JAMES H.
System for limiting snap load intensity
[AD-D014730] 12 p1906 N91-20488
DOMEL, NEAL DAVID
A numerical simulation of shock-enhanced mixing in supersonic combustion 10 p1495 N91-18227
DOMICH, P. D.
Interior-point method for linear and quadratic programming problems
[PB91-187815] 19 p3231 N91-27865
DOMINEK, A. K.
Constitutive parameter de-embedding using inhomogeneously-filled rectangular waveguides with longitudinal section modes
[NASA-CR-187990] 10 p1515 N91-18341
DOMINGO, C.
The LDEF ultra heavy cosmic ray experiment 16 p2709 N91-24994
DOMINGO, N.
Heat transfer effectiveness of a thermal barrier coating with different fuel compositions
[DE91-015602] 24 p3978 N91-32222
DOMINGUE, DEBORAH LYNN
Europa's phase curve: Implications for surface structure 17 p2916 N91-26098
DOMINGUEZ-RODRIGUEZ, A.
High-temperature mechanical properties of SiC whisker reinforced Al2O3 composites
[DE91-004424] 07 p0970 N91-15324
DOMINGUEZ, N.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856
Effect of the aspect ratio on the stability limits of TJ-II-like stellarators
[DE91-011364] 17 p2868 N91-25867
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
DOMINGUEZ, R. R.
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
DOMINIQUES-RODRIGUEZ, A.
Creep and diffusion in nonstoichiometric oxides
[DE91-013766] 20 p3329 N91-28435
DOMINY, R. G.
An investigation of secondary flows in nozzle guide vanes
[PNR-90739] 01 p0044 N91-10262
DOMKEN, I.
IAL space facilities for thermal vacuum testing 07 p0952 N91-15234
ISO optical cryogenic tests in the IAL space FOCAL-5 facility 07 p0952 N91-15235
The space simulation facilities at IAL SPACE 11 p1661 N91-19151
DOMMANUS, H. M.
Implementation of the flow-modulated skew-upwind difference scheme in the COMMIX-1C code: A first assessment
[DE91-011168] 18 p2986 N91-26489
DOMOKOS, G.
Research in theoretical physics
[DE91-002458] 05 p0729 N91-14071
Variational method in the statistical theory of turbulence
[AD-A231621] 13 p2084 N91-21484
DOMRACHEVA, M. V.
Central and regional hemodynamics in prolonged space flights 01 p0095 N91-10554
DON, J.
Investigations of oxidation protection systems for carbon-carbon composites formed by chemical vapor deposition and plasma-assisted chemical vapor deposition techniques
[AD-A232800] 15 p2396 N91-23269
DONAHUE, MEGAN
Optical emission from cooling flows in distant x ray clusters of galaxies 05 p0748 N91-14169
Probing the interstellar medium of external galaxies using quasar absortion lines: The 3C 232/NGC 3067 system 05 p0760 N91-14227
DONAHUE, THOMAS M.
Planetary Sciences: American and Soviet Research
[NASA-CR-188165] 14 p2344 N91-22960
DONALD, BRUCE R.
A plane-sweep algorithm for exact simulation of a quasi-static mechanical system of compliantly-connected rigid bodies (extended abstract)
[AD-A231324] 13 p2098 N91-21550
DONALDSON, J. C.
Investigation of the influence of constant adverse pressure gradients on laminar boundary-layer stability at Mach number 8
[AD-A228231] 08 p1143 N91-16293
DONALDSON, RALPH J., JR.
Weather radar technology development
[AD-A233071] 16 p2659 N91-24715
DONALDSON, STEVEN L.
The role of analysis in the design of composite materials 16 p2645 N91-24644
DONATO, M.
Correlation of the Olympus thermal model using IR test data 07 p0953 N91-15240
DONATO, MARC
Thermal balance testing of the Anik-E spacecraft 11 p1657 N91-19131
DONCHIN, EMANUEL
Information extraction from visual displays and the event-related brain potential
[AD-A227063] 06 p0855 N91-14722
DONER, J. E.
User-defined data types in the State Delta Verification System (SDVS)
[AD-A236077] 19 p3227 N91-27837
DONG, JINGHUAN
A software development and evolution model based on decision-making
[NASA-CR-187889] 16 p2667 N91-24758
DONG, QIMIN
Flow between eccentric rotating cylinders 15 p2422 N91-23417
DONG, YUHUA
Ultrafast measurements on direct photoinduced electron transfer in a mixed valence complex
[AD-A235572] 19 p3241 N91-27924
DONGARRA, J.
Solving computational grand challenges using a network of heterogeneous supercomputers
[DE91-013725] 20 p3385 N91-28755
A users' guide to PVM (parallel virtual machine)
[DE91-016934] 23 p3914 N91-31855
DONGARRA, J. J.
Computing the eigenvalues and eigenvectors of a general matrix by reduction to general tridiagonal form
[DE91-002523] 05 p0710 N91-13959
DONGARRA, JACK J.
Numerical considerations in computing invariant subspaces
[DE91-004928] 09 p1393 N91-17667
The IBM RISC System/6000 and linear algebra operations
[DE91-009221] 13 p2144 N91-21805
Automatic blocking of nested loops
[NASA-CR-188874] 24 p4089 N91-32844
DONGHAI, ZHU
Development of low-threshold value, high-power semiconductor laser
[AD-A237183] 21 p3523 N91-29566
DONLAN, CHARLES J.
The legacy of the X-15 12 p1833 N91-20075
DONLEY, SHAWN T.
Flight control law synthesis using neural network theory
[AD-A234990] 18 p2927 N91-26149

DONN, B.
From C/Mrkos to P/Halley: 30 years of cometary spectroscopy 17 p2891 N91-25984
DONN, BERTRAM
Laboratory studies of refractory metal oxide smokes 06 p0903 N91-14993
DONNELLAN, MARY E.
Flexural fatigue behavior of ARALL (trademark) laminates
[AD-A233451] 16 p2590 N91-24353
DONNELLY, M.
Computer controlled MHD power consolidation and pulse generation system
[DE91-006793] 11 p1697 N91-19347
DONNELLY, R. F.
Dynamic power spectral analysis of solar measurements from photospheric, chromospheric, and coronal sources 03 p0443 N91-12476
Modeling solar Lyman alpha irradiance 03 p0444 N91-12483
DONNELLY, R. HANK
The design and construction of an Automated Multi-Object Spectroscopy system (AMOS)
[DE90-011497] 08 p1109 N91-16088
DONNELLY, RICHARD F.
Solar UV temporal variations during solar cycle 22 and the twentieth century 03 p0448 N91-12501
Analysis of SBUV/2 measurements of solar UV irradiance variations 11 p1732 N91-19526
DONNELLY, ROBERT
Gallium as a unique anti-resorptive agent in bone: Preclinical studies on its mechanisms of action
[DE90-010650] 08 p1190 N91-16542
DONOHOE, J. P.
Hardening surveillance illumination using aircraft antennas
[AD-A225143] 03 p0356 N91-11992
DONOHOE, PATRICK
Hartstone benchmark user's guide, version 1.0
[AD-A235740] 19 p3220 N91-27800
DONOHUE-PERRY, MARY M.
A compatibility assessment of the protective integrated hood mask with ANVIS night vision goggles
[AD-A229956] 13 p2128 N91-21716
A field evaluation of the compatibility of the protective integrated hood mask with ANVIS night vision goggles
[AD-A230237] 13 p2129 N91-21718
DONOHUE, JOHN J.
Ionic interactions in electroactive self-assembled monolayers of ferrocene species
[AD-A235677] 19 p3241 N91-27927
DONOHUE, K.
Vibrationally assisted transfer laser
[AD-A235479] 19 p3171 N91-27532
DONOHUE, PATRICK
Hartstone benchmark results and analysis
[AD-A226817] 08 p1198 N91-16587
DONOVAN, T. M.
Space environmental effects on coated optics 16 p2722 N91-25079
DONOVAN, WILLIAM F.
Polynomial definition of discrete field points of map of diffusion equation, part 2
[AD-A224595] 03 p0412 N91-12306
DONZELLI, C.
Effect of the centrifuge forces on pregnant rats 11 p1751 N91-19629
DONZIER, ALAIN
MEGASODAR experiment 16 p2555 N91-24169
DOOGOOD, P. N.
Flight testing of two Allison T56 engines modified to the ARL developed low smoke configuration
[ARL-PROP-TM-449] 01 p0011 N91-10064
DOOLEY, KEVIN A.
Capacitive bridge-type probe and conversion circuitry
[PATENT-1-263-444] 23 p3872 N91-31598
Capacitive bridge-type probe and conversion circuitry
[PATENT-1-263-443] 23 p3872 N91-31599
DOONG, S. H.
Development of a test system and experimental method for in-plane biaxial compressive deformation and failure of fiber composite materials
[AD-A234062] 18 p2940 N91-26214
DOORBAR, P. J.
Fibre-matrix reaction zones in model silicon carbide-titanium aluminide metal-matrix composites
[PNR-90713] 01 p0023 N91-10137
DOORN, STEPHEN K.
Ultrafast measurements on direct photoinduced electron transfer in a mixed valence complex
[AD-A235572] 19 p3241 N91-27924
DOORN, STEVEN K.
Experimental assessment of dynamic structural parameters for homogeneous and interfacial charge-transfer reactions: Case studies based on time-dependent Raman scattering methods
[AD-A235570] 19 p3157 N91-27453
DOORNBOS, HENK
A simplification of Earley's algorithm
[CS-9102] 23 p3909 N91-31822
DOOSE, L.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
DOPAZO, C.
Turbulent flow modelling in Spain: Overview and developments 24 p4015 N91-32448
DOPHEIDE, D.
Multi-component laser Doppler anemometers with high-frequency pulsed diode lasers
[ISL-CO-219/89] 03 p0371 N91-12077
DOPITA, MICHAEL A.
High-mass star formation in southern disk galaxies 05 p0758 N91-14218
DORAN, D.
Conjugate (solid/fluid) computational fluid dynamics analysis of the space shuttle solid rocket motor nozzle/case and case field joints 02 p0151 N91-10879
DORAN, J. C.
Terrain-induced mesoscale circulations in the Columbia Basin
[DE90-016338] 01 p0093 N91-10541
DORER, R. M.
Safety of high speed magnetic levitation transportation systems. Preliminary safety review of the transrapid maglev system
[PB91-129684] 11 p1693 N91-19326
DORFLER, JOSEPH F.
Satellite Communications (SATCOM) 24 p3954 N91-32095
DORFMAN, ROBERT
Status of the profession 24 p4121 N91-33031
DORHOUT, B.
An algorithm for the one-to-all shortest path problem with arbitrary arc lengths
[MEMO-919] 23 p3912 N91-31844
DORIA, MICHAEL L.
An investigation of design optimization using a 2-D viscous flow code with multigrid 04 p0593 N91-13312
DORIGO, MARCO
On the use of genetic algorithms to solve the time-table problem
[REPT-90-060] 15 p2484 N91-23752
Translating evolution strategies in GA terms
[REPT-91-007] 22 p3731 N91-30771
ALECSYS: A parallel laboratory for learning classifier systems
[REPT-91-004] 22 p3738 N91-30822
DORIS, S.
Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378
DORMAN, CLIVE E.
Northern California coastal circulation study: Results of the pilot program: Executive summary
[PB90-261660] 09 p1369 N91-17523
Northern California coastal circulation study: Results of the pilot program
[PB90-261678] 09 p1369 N91-17524
DORMAN, GARY
The SPAN cookbook: A practical guide to accessing SPAN
[NASA-TM-105054] 22 p3726 N91-30740
DORNATH-MOHR, MICHELLE A.
Fabrication and characterization of yttrium barium copper oxide superconductors for microwave applications
[AD-A231713] 14 p2331 N91-22877
DORNEY, DANIEL J.
Investigation of hot streak migration and film cooling effects on the heat transfer in rotor/stator interacting flows
[AD-A235420] 18 p2926 N91-26145
DOROGY, WILLIAM E., JR.
Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14489-1] 19 p3176 N91-27562
DOROZARIO, R. F.
The Palm Valley Gas Field, Amadeus Basin, central Australia 19 p3198 N91-27676
DORR, P.
Geometric modeling application interface program
[AD-A227826] 07 p1049 N91-15759
DORRELL, L. R.
Monitoring structural response in pressurized environments. Part 1: Instrumentation techniques
[DE91-012654] 20 p3360 N91-28616
DORREN, J. D.
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
DORRER, M.
Geoid and Doppler induced errors on the altimeter measurement and their correction
[CNES-CT/DRT/TIT/RL-88/226] 01 p0063 N91-10380
Validation requirements for the Topex/Poseidon altimeter mission 15 p2454 N91-23602
DORRIS, S. E.
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Atmosphere control during preparation of YBa2 Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
Assessment of tamper-revealing ceramic seals
[DE91-007793] 11 p1688 N91-19301
Formation of intermediate compounds during reduced pressure calcination of Y-Ba-Cu-O precursor
[DE91-011179] 18 p3071 N91-26971
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
DORSCHNER, J.
Steps toward interstellar silicate dust mineralogy 06 p0903 N91-14991
Size distribution of dust grains: A problem of self-similarity 06 p0904 N91-14997
DORTMANS, P. J.
A study of two nucleon W-matrices
[DE91-618203] 16 p2684 N91-24863
DORY, R. A.
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856
DOSANJH, S. S.
An interdisciplinary approach to massively parallel computation
[DE91-012652] 20 p3389 N91-28775
DOSCH, R. G.
An exploratory program for using hydrous metal oxide ion exchangers as Fischer-Tropsch catalysts
[DE91-002341] 05 p0635 N91-13521
DOSCHEK, GEORGE A.
UV-optical from space 24 p4119 N91-33021
Solar astronomy 24 p4120 N91-33026
DOSER, A.
Modeling, simulation, and control of an extraterrestrial oxygen production plant 16 p2597 N91-24389
DOSIERE, P.
Ground communications for the in-orbit infrastructure 14 p2223 N91-22296
DOSREIS, HENRIQUE L. M.
Acousto-ultrasonic evaluation of ceramic matrix composite materials
[NASA-CR-187073] 10 p1533 N91-18443
DOSS, A. R.
The effects of information availability on the group consensus process
[DE91-012428] 20 p3438 N91-29076
DOSS, HANI
Statistical aspects of reliability, maintainability, and availability
[AD-A234546] 18 p2996 N91-26546
Confidence bands for the median survival time as a function of the covariates in the Cox model
[AD-A237626] 21 p3568 N91-29835
DOSS, S.
The streamlined Darwin field method (and a solution technique that makes it practical)
[DE91-009482] 13 p2159 N91-21903
DOSSANTOS, D. I.
Superconducting films made by spin-coating of acetate solutions
[DE91-011119] 17 p2872 N91-25888
DOSSANTOSMARQUES, F.
Microstructure and properties of aluminium alloy 7050 electron beam weldments 03 p0329 N91-11833
DOSSIN, F.
From C/Mrkos to P/Halley: 30 years of cometary spectroscopy 17 p2891 N91-25984
DOSWELL, C. A.
DOPLIGHT 1987 project summary
[PB90-253584] 05 p0689 N91-13834
DOTAN, AMOS A.
Digital, one way, acoustic communication in the ocean
[AD-A230171] 12 p1927 N91-20604

Coherence of transients
[AD-A230168] 12 p1973 N91-20853

DOTSENKO, M. A.
Adaptive responses in monkeys during two week space flight 11 p1754 N91-19645

DOTY, F. D.
Microtube strip heat exchanger
[DE91-005741] 11 p1726 N91-19504
Microtube strip heat exchanger
[DE91-015223] 21 p3517 N91-29529
Microtube strip heat exchanger
[DE91-009884] 22 p3675 N91-30464

DOTY, PHILIP
Federal information inventory/locator systems: From burden to benefit 05 p0729 N91-14074

DOUBLEDAY, DENNIS L.
Prototyping distributed simulation networks 14 p2304 N91-22727

DOUBLIER, MICHEL
Comparative study of different systems of combined cycle propulsion 15 p2376 N91-23152

DOUBT, T. J.
COLDEX-86: Physical work capacity during prolonged cold water immersion at 6.1 msw
[AD-A233767] 18 p3027 N91-26710
COLDEX-86: Fluid and electrolyte changes during prolonged cold water immersion
[AD-A233768] 18 p3027 N91-26711
COLDEX-86: Summary of the experimental protocol and general results
[AD-A234031] 18 p3028 N91-26715

DOUCET, GLENN
Evaluation of an alternative rotorcraft cargo lowering device for the delivery of 500-lb ammunition loads
[AD-A230995] 13 p2024 N91-21133

DOUDNIKOFF, C. E.
Are Noachian-age ridged plains (Nplr) actually early Hesperian in age 14 p2349 N91-22991

DOUGAN, A. D.
The intelligent database: Using INGRES to manage the external analysis of your data
[DE91-010465] 15 p2524 N91-23986

DOUGAN, D. L.
Eastern Europe: Please stand by
[PB91-14336] 15 p2411 N91-23348

DOUGHERTY, D. R.
A cable vehicle barrier for alert aircraft protection
[DE91-001723] 06 p0787 N91-14354

DOUGHERTY, J. P.
Piezoelectric and electrostrictive materials for transducer applications, volume 1
[AD-A236219] 19 p3158 N91-27458
Piezoelectric and electrostrictive materials for transducer applications, volume 2
[AD-A236220] 19 p3158 N91-27459

DOUGHTY, C.
A mathematical model for two-phase water, air, and heat flow around a linear heat source emplaced in a permeable medium
[DE91-014614] 20 p3345 N91-26527

DOUGHTY, D. H.
Characterization of chemically prepared PZT thin films
[DE90-010831] 08 p1232 N91-16789

DOUGLAS, BRENT A.
Nonmetallic inclusions in HSLA steel weldments
[AD-A226399] 04 p0504 N91-12801

DOUGLAS, C.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157

DOUGLAS, J. E.
Enhancing the tolerance to Gz(+) acceleration by optimizing the use of isometric contractions in combination with straining maneuvers
[AD-A230454] 12 p1933 N91-20639

DOUGLAS, K.
Parallel nanometer scale fabrication
[DE91-013016] 20 p3430 N91-29026

DOUGLAS, KEVIN R.
Advanced sensors and instrumentation 09 p1281 N91-17041

DOUGLAS, SCOTT L.
Estimating runup on beaches: A review of the state of the art
[AD-A229516] 22 p3711 N91-30657

DOUGLASS, A. R.
The atmospheric effects of stratospheric aircraft: A current consensus
[NASA-RP-1251] 08 p1175 N91-16467

DOUGLASS, JOHN G.
High efficiency motor selection handbook
[DE91-006231] 10 p1519 N91-18363

DOUZINAS, K. C.
Evaluation of domain spacing scaling laws for semicrystalline diblock copolymers
[AD-A231958] 14 p2249 N91-22445

DOVE, J. F.
Hybrid optical processor
[AD-A227163] 06 p0874 N91-14834

DOVER, C. B.
Strange quarks in nuclei
[DE91-015833] 21 p3577 N91-29895

DOVI, AUGUSTINE R.
Application of multidisciplinary optimization methods to the design of a supersonic transport
[NASA-TM-104073] 15 p2374 N91-23135

DOVIAK, RICHARD
Enhancements to the terminal Doppler weather radar gust front algorithm
[DOT/FAA/NR-91/3] 14 p2255 N91-22473

DOW, JOHN
Vibrational, mechanical, and thermal properties of III-V semiconductors
[AD-A237785] 21 p3596 N91-30008

DOWBEN, PETER A.
Magnetic field effect transistors
[AD-A226535] 05 p0651 N91-13614

DOWDEN, R. L.
VLF, ELF, and ULF wave research using the Tromso heating facility 10 p1547 N91-18512

DOWDING, ROBERT J.
Sinterability of tungsten powder CVD coated with nickel and iron
[AD-A231913] 14 p2246 N91-22425

DOWDLE, JOHN
Advanced ECCM techniques for GPS processing 16 p2615 N91-24478

DOWDY, MACK W.
Satellite/spacecraft propulsion 20 p3292 N91-28203

DOWELL, D. H.
INEX modeling of the Boeing ring optical resonator free-electron laser
[DE90-016488] 01 p0047 N91-10280
Interferometric results from Boeing grazing incidence ring resonator FEL
[DE91-016305] 24 p4023 N91-32484

DOWELL, EARL H.
Proceedings of the 3rd Workshop on Dynamics and Aeroelastic Stability Modeling of Rotorcraft Systems
[AD-A227930] 10 p1457 N91-18034

DOWGIALLO, E. J.
Evaluation of pulse power devices in electric vehicle propulsion systems
[DE91-006117] 10 p1518 N91-18359

DOWLER, WARREN
Options for Martian propellant production 17 p2911 N91-26069

DOWLING, D. T.
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899

DOWLING, RICHARD
Lunar base siting 17 p2907 N91-26053

DOWNER, JAMES
A superconducting large-angle magnetic suspension 13 p2035 N91-21191

DOWNER, JANICE DIANE
A computational procedure for the dynamics of flexible beams within multibody systems
[NASA-CR-187667] 05 p0676 N91-13760

DOWNER, M. C.
Picosecond laser system for high speed characterization of monolithic devices
[AD-A227372] 06 p0831 N91-14595

DOWNER, NANCY W.
Surface-bound alkyl monolayers: Electrochemical and structural characterization
[AD-A237604] 22 p3647 N91-30297
Surface-bound biomembranes incorporating receptors: Electrochemical and structural characterization
[AD-A237605] 22 p3647 N91-30298
Evaluation of surface-bound membranes with electrochemical impedance spectroscopy
[AD-A237606] 22 p3647 N91-30299

DOWNES, DENNIS
CO excitation in four IR luminous galaxies 05 p0762 N91-14234
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236

DOWNEY, GRACE F.
Transaction-oriented configuration management: A case study
[AD-A235510] 19 p3218 N91-27788
Tool version management technology: A case study
[AD-A235639] 19 p3219 N91-27792

DOWNEY, J.
Scaling behavior of the fluctuations in magnetization and conductivity of untwinned YBa2Cu3O(7-delta)
[DE91-016524] 24 p4110 N91-32967
Flux pinning by planar defects in single crystal YBa2Cu3O(7-delta)
[DE91-016525] 24 p4110 N91-32968
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989

DOWNEY, J. S.
Geohydrology and ground-water geochemistry at a sub-Arctic landfill, Fairbanks, Alaska
[PB91-140590] 17 p2810 N91-25531

DOWNEY, J. W.
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979

DOWNEY, JIM
Microgravity strategic planning exercise
[NASA-CR-184167] 16 p2612 N91-24463

DOWNING, J. N.
Fast electron studies in the ZT-40M edge plasma
[DE9*-002323] 06 p0875 N91-14838

DOWNS, RAYMOND L.
Experimental development, testing, and research work in support of the inertial confinement fusion program
[DE91-002770] 05 p0721 N91-14026

DOXEY, D. D.
Postural changes following sensory reinterpretation as an analog to spaceflight 11 p1748 N91-19610

DOYAS, R.
Absorption measurements of radiatively heated low-Z materials
[DE91-011182] 17 p2867 N91-25861

DOYLE, B. L.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
Carborane films: Applications to first-wall problems in tokamaks
[DE91-004034] 07 p1068 N91-15878
Application of the nuclear microprobe to the imaging of single event upsets in integrated circuits
[DE91-014701] 21 p3504 N91-29447
An overview of the electronic properties of InAs(1-x)Sb(x) strained-layer superlattices (O less than or equal to x less than or equal to 1)
[DE91-017458] 24 p4111 N91-32976

DOYLE, E. J.
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888

DOYLE, G.
Development of aqueous and nonaqueous titrimetric methods for liquid propellants
[AD-A226186] 04 p0511 N91-12837

DOYLE, GERALD
Stability of liquid propellants under long-term storage
[AD-A223934] 02 p0201 N91-11126

DOYLE, J. G.
Ultraviolet continuum in solar and dMe star flares 09 p1440 N91-17940

DOYLE, J. H.
Plotting and summary routines for TASK8
[DE91-010689] 16 p2671 N91-24786
Quantitative analysis procedures for Task 8
[DE91-009684] 18 p3043 N91-26798

DOYLE, JOHN
Advanced topics in robust control. Volume 2: Invariants and structured singular values
[AD-A225219] 03 p0409 N91-12285

DOYLE, L. R.
Planetological implications of mass loss from the early Sun 17 p2898 N91-26017

DOYLE, LAURANCE R.
Far infrared structure of spiral galaxies from the IRAS CPC images 06 p0902 N91-14988

DOYLE, MONICA
Stochastic dynamics and bifurcation behavior of nonlinear nonconservative systems in the presence of noise
[AD-A228923] 09 p1392 N91-17662

DOYLE, RICHARD J.
Spacecraft Health Automated Reasoning Prototype (SHARP): The fiscal year 1989 SHARP portability evaluations task for NASA Solar System Exploration Division's Voyager project
[NASA-CR-187338] 01 p0034 N91-10204

DOYON, R.
Infrared images of merging galaxies 08 p1254 N91-16904

DOZOIS, CLAUDE G.
ARTIST tape output formats
[AD-A235173] 18 p3012 N91-26633

DRABIK, PASCAL
Semantic validation of structured theories: Applications to a generic programming language
[ETN-91-98207] 05 p0703 N91-13916

DRACH, ROBERT S.
Cloud forcing: A modeling perspective
[DE91-007215] 11 p1737 N91-19551
DRAEGER, J.
Laser effects upon the structure and function of the eye as a function of different wavelengths
17 p2825 N91-25603
DRAGE, R. G. T.
Developments in icing test techniques for aerospace applications in the RAE Pyestock altitude test facility
23 p3796 N91-31173
DRAGO, R. J.
Aircraft quality high temperature vacuum carburizing
[AD-A229980] 12 p1869 N91-20271
DRAGONETTE, LOUIS R.
Comparisons of backscattering from cylindrical shells described by thin shell and elasticity theories
[AD-A234745] 18 p2984 N91-26475
DRAGOVITSCH, P.
Absorbing CAD system geometries into GEANT
[DE91-015707] 23 p3908 N91-31816
DRAGT, A. J.
Invariant metrics for Hamiltonian systems
[DE91-014236] 20 p3393 N91-28807
DRAGT, ALEX J.
Advanced methods for the computation of particle beam transport and the computation of electromagnetic fields and beam-cavity interactions
[DE90-011071] 08 p1222 N91-16734
DRAINE, BRUCE
Infrared astronomy 24 p4119 N91-33019
DRAINE, BRUCE T.
Radiative properties of visible and subvisible Cirrus: Scattering on hexagonal ice crystals
01 p0077 N91-10462
DRAKE, A. E
Investigation of the uniformity of the magnetic field and flux density in the NPL permeameter
[NPL-DES-101] 05 p0711 N91-13968
DRAKE, DOUGLAS
Experimental development, testing and research work in support of the inertial confinement fusion program
[DE91-002771] 06 p0875 N91-14841
DRAKE, DOUGLAS J.
Experimental development, testing, and research work in support of the inertial confinement fusion program
[DE91-002770] 05 p0721 N91-14026
DRAKE, FRANK
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
DRAKE, J. B.
Plasma turbulence calculations on the Intel iPSC/860 (RX) hypercube
[DE91-004773] 07 p1070 N91-15884
Early experience with the Intel iPSC/860 at Oak Ridge National Laboratory
[DE91-005602] 09 p1388 N91-17632
Parallelizing the spectral transform method, part 1
[DE91-010453] 15 p2493 N91-23805
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
Parallelizing the spectral transform method
[DE91-013969] 21 p3565 N91-29815
Parallelizing the spectral transform method, part 2
[DE91-017131] 24 p4016 N91-32456
DRAKE, J. F.
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
Joint proposal for US/USSR on nonlinear dynamics and plasma transport
[DE91-014360] 20 p3422 N91-28981
DRAKE, JEREMY J.
High-resolution stellar spectroscopy
14 p2342 N91-22949
DRAKE, M. J.
Origin and thermal evolution of Mars
[NASA-CR-188095] 14 p2353 N91-23011
DRAKE, R. PAUL
Stimulated Raman scatter from laser-produced plasmas: Merely nonlinear or also chaotic
[DE91-001742] 05 p0718 N91-14007
DRAKE, S. A.
An IUE study of the chromospheres and transition regions of F giant and subgiant stars
09 p1436 N91-17914
DRAPATZ, S.
High resolution imaging for Brackett gamma and H2 1-0 S(1) emission in the Seyfert galaxy NGC 1068
[MPE-PREPRINT-192] 15 p2368 N91-23104
DRAPER, JAMES STARK
Predicting cloud-to-ground lightning with neural networks 24 p4054 N91-32646
DRAPER, K.
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041
DRASH, ROBERT W.
An integer programming model for Navy's maritime patrol aviation fleet
[AD-A239464] 23 p3781 N91-31079
DRATLER, DAVID IRA
Numerical investigation of laminar-turbulent transition in a flat plate wake 04 p0469 N91-12630
DRAVID, NARAYAN V.
An EMTP system level model of the PMAD DC test bed
[NASA-TM-104515] 19 p3114 N91-27206
DRAVINS, DAINIS
Stellar activity cycles 09 p1429 N91-17868
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
Enhancing IUE spectrophotometry: A case study of Beta Hydri 09 p1447 N91-17982
An accurate registration technique for distorted images 09 p1448 N91-17986
DRAXIER, R. R.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
DRAYTON, M.
TOPAZ2D validation status report for December 1990
[DE91-011776] 17 p2778 N91-25374
DREBING, C.
CCST (Center for Compound Semiconductor Technology) research briefs
[DE91-002954] 07 p1071 N91-15892
DRECHSEL, H.
Nova LMC 1990 no. 2: The first extragalactic recurrent nova 09 p1441 N91-17944
DRECHSLER, K.
The application of three-dimensional fibre preforms for aerospace composite structures
03 p0327 N91-11822
Manufacturing and mechanical properties of fiber composite materials with textile preforms
[MBB-Z-0325-90-PUB] 22 p3645 N91-30286
DREHER, JOHN
Multiband observations of Cygnus A: A study of pressure balance in the core of a powerful radio galaxy
05 p0745 N91-14151
DREHER, P. E.
Long-term orbital lifetime predictions
[NASA-TP-3058] 01 p0015 N91-10092
DREHMAN, A.
Measurement and analysis of the microwave surface resistance in a mixed phase Y-Ba-Cu-O superconductor
[AD-A230047] 12 p1986 N91-20930
DREIBELBIS, RYLAND R.
Current Emergency Locator Transmitter (ELT) deficiencies and potential improvements utilizing TSO-C91a ELTs
[NASA-CR-4330] 02 p0166 N91-10964
DREIFUERST, G. R.
Development and operation of a solid-state switch for thyratron replacement
[DE91-016553] 24 p4006 N91-32401
DRELA, MARK
Viscous and inviscid inverse schemes using Newton's method 10 p1459 N91-18044
Viscous design and analysis methods for transonic compressor blading
[AD-A232902] 16 p2624 N91-24530
DRELON, R.
Plasma torches at blast furnace: Four years of industrial experience in France
[REPT-911-430-124] 16 p2692 N91-24901
DRENTH, F.
Remote sensing for marine activities
[BCRS-89-41] 02 p0228 N91-11273
Remote sensing for marine activities: Appendices
[BCRS-89-41-APP] 02 p0228 N91-11274
DRERUP, ROBERT A., JR.
Post-flight characterization of optical system samples, thermal control samples, and detectors from LDEF experiment M0003, sub-experiments 6 and 13
16 p2721 N91-25068
DRESCHEL, T. W.
Investigating combustion as a method of processing inedible biomass produced in NASA's biomass production chamber
[NASA-TM-103821] 18 p3036 N91-26759
Factors affecting plant growth in membrane nutrient delivery 23 p3905 N91-31797
DRESE, JOHN H.
Atmospheric leakage and condensate production in NASA's biomass production chamber. Effect of diurnal temperature cycles
[NASA-TM-103819] 15 p2477 N91-23718
DRESHFIELD, BOB
Materials sub-panel 20 p3299 N91-28245
DRESNER, L.
Light weight, high field, stable, superconducting magnets for advanced transportation systems
[DE91-013667] 20 p3394 N91-28814
Excess heat production in composite superconductors during current redistribution
[DE91-013547] 20 p3428 N91-29016
DRESNER, LAWRENCE
Theory of thermal hydraulic quenchback in cable-in-conduit superconductors
[DE91-004395] 07 p1071 N91-15895
Superconductor stability 1990: A review
[DE91-004396] 07 p1072 N91-15896
DRESS, A.
Modular substructures in pseudomodular lattices
[MATHS-MEMO-887] 10 p1581 N91-18701
DRESSEL, L. L.
Central star formation in S0 galaxies
05 p0759 N91-14223
DRESSELHAUS, G.
Fundamental studies of near surface modification of carbon fibers
[AD-A225910] 04 p0507 N91-12817
DRESSELHAUS, M. S.
The transport properties of activated carbon fibers
[DE90-015910] 01 p0022 N91-10130
Fundamental studies of near surface modification of carbon fibers
[AD-A225910] 04 p0507 N91-12817
Photoconductivity of activated carbon fibers
[DE91-000814] 04 p0520 N91-12895
DRESSENDORFER, P. V.
Total-dose degradation of thin film ferroelectric capacitors
[DE90-007152] 08 p1130 N91-16218
Properties and characterization of thin film ferroelectric capacitors for nonvolatile memories
[DE91-004037] 08 p1134 N91-16242
DRESSER, M. J.
Adsorption and decomposition of acetylene on Si(100)-(2x1)
[AD-A233808] 18 p2945 N91-26248
Adsorption and thermal behavior of ethylene on Si(100)-(2x1)
[AD-A234098] 18 p2946 N91-26252
DRESSLER, RAINER A.
Laboratory study of the thermochemical properties of materials used in spacecraft
[AD-A232124] 15 p2390 N91-23228
DREVER, RONALD
interferometry 24 p4119 N91-33022
DREW, DANIEL W.
A practical approach to object based requirements analysis 01 p0106 N91-10615
DREWERY, J.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
DREWERY, J. S.
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
DREWETT, ADRIAN A.
GPS: Aspects of pseudo-range positioning offshore
21 p3455 N91-29161
DREWS, MICHAEL
Generic extravehicular (EVA) and telerobot task primitives for analysis, design, and integration. Version 1.0: Reference compilation for the EVA and telerobotics communities
[NASA-CR-187429] 05 p0696 N91-13876
DREXLER, ELIZABETH S.
Aluminum alloys for ALS cryogenic tanks: Oxygen compatibility, volume 2
[AD-A231830] 14 p2245 N91-22422
DREXLER, ELIZABETH SUSAN
Aluminum alloys for cryogenic tanks: Oxygen compatibility, volume 1
[AD-A229229] 09 p1314 N91-17211
Review of cryogenic mechanical and thermal properties of Al-Li alloys and alloy 2219
[AD-A229231] 09 p1314 N91-17212
DREXLER, M.
MSCC console demonstrator project
14 p2222 N91-22284
DREXLER, R. L.
Small Ex-core Heat Pipe Thermionic Reactor concept (SEHPTR)
[DE91-014073] 20 p3303 N91-28279
DRIELS, MORRIS
Local sensory control of a dexterous end effector
[NASA-CR-187710] 09 p1344 N91-17386
DRIELS, MORRIS R.
Adaptive control of direct drive dexterous robotic hand with biateral tactile sensing
[AD-A233980] 18 p2994 N91-26532

DRIES, RALPH W.
Model-based reasoning in the detection of satellite anomalies
[AD-A230535] 12 p1855 N91-20193
DRIESSEN, C.
The USSP/ULDA project 09 p1447 N91-17983
DRIESSEN, CORNELIUS
ULDA user's guide
[NASA-TM-105074] 23 p3908 N91-31813
DRIESSEN, T. S. H.
The core and the tau-value for cooperative games with coalition structures
[MEMO-848] 01 p0117 N91-10692
Extensive coverings and exact core bounds
[MEMO-915] 23 p3921 N91-31907
DRIGA, M. D.
Electromagnetic launch technology assessment. Scientific basis and unified treatment: Forces and electromechanical power conversion (analytical and numerical methods)
[AD-A235028] 18 p2934 N91-26185
DRINALI, HAYAT
Full-range axisymmetric elastoplastic large deflection of circular and annular plates under transverse, in-plane and combined loading 22 p3692 N91-30557
DRINNON, R. H.
Dynamic fracture analysis by moire interferometry
[AD-A230383] 12 p1913 N91-20524
DRISCOLL, C. F.
Pure electron plasmas near thermal equilibrium
[AD-A230627] 12 p1983 N91-20910
DRISCOLL, J. F.
Turbulent premixed hydrogen/air flames
[AD-A235109] 18 p2950 N91-26278
DRISCOLL, JAMES F.
Flame stability and characterization of swirl-stabilized flames, phase 1
[PB91-101931] 09 p1308 N91-17176
DRISCOLL, MICHAEL M.
The effects of acceleration on precision frequency sources (proposed for IEEE standards project p1193)
[AD-A235470] 19 p3167 N91-27512
DRISS-ECOLE, DOMINIQUE
Effect of gravity on the distribution of electron dense chromatin in the nucleus of root statocytes 11 p1758 N91-19672
DRIVER, K. DEAN
Design and fabrication of the NASA HL-20 full scale research model
[NASA-CR-187801] 08 p1095 N91-16008
DROBIK, J. S.
F-111C flight data reduction and analysis procedures
[AD-A236025] 19 p3105 N91-27153
DROBOT, A.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
DROBYSHEVSKI, E. M.
Outer planets and icy satellites 17 p2914 N91-26089
DROESEN, W. J.
Utilization of remote sensing in land use practice
[BCRS-90-10] 14 p2280 N91-22612
DROESSLER, TERRY
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684
DROLSHAGEN, G.
Space environment analysis tools 07 p0961 N91-15291
DRONENKO, S. V.
Orthostatic stability of athletes of different specializations and its change as produced by lower gravity 10 p1560 N91-18575
DROPPO, J. G., JR.
A climatological model for risk computations incorporating site-specific dry deposition influences
[DE91-015536] 21 p3540 N91-29667
DROSSAERS, MARC F. J.
A DIY demo for the Rochester connectionist simulator
[MEMO-INF-91-12] 22 p3735 N91-30801
A unified introduction to basic neural networks
[MEMO-INF-90-80] 22 p3739 N91-30825
DROST, M. K.
Thermal energy storage for power generation applications
[DE90-016539] 01 p0065 N91-10388
Results from a workshop on research needs for modeling aquifer thermal energy storage systems
[DE90-018007] 02 p0233 N91-11301
DROST, M. KEVIN
Local entropy generation analysis of a rotary magnetic heat pump regenerator
[DE91-005520] 10 p1611 N91-18889
DROSTE, FRIEDRICH CHRISTIAN
Theoretical distribution of the electronic structure of defects on metal surfaces
[ETN-91-98778] 10 p1585 N91-18739
DROTNING, W. D.
Sensor-based automated docking of large payloads
[DE90-011020] 08 p1101 N91-16044
DROVANDI, A.
Digital analysis of satellite data and numerical simulation applied to irrigation water management by means of a database system
[REPT-4] 10 p1538 N91-18465
DROZDOVA, T. YE.
Influence of long-term antiorthostatic hypokinesia on activity of enzymes involved in energy and plastic metabolism 22 p3715 N91-30675
DRUCE, R. L.
Subnanosecond photoconductive switching in GaAs
[DE90-011481] 09 p1325 N91-17276
Wideband microwave generation with GaAs photoconductive switches
[DE91-017544] 24 p4009 N91-32415
DRUCE, ROBERT L.
Subnanosecond, high voltage photoconductive switching in GaAs
[DE91-002671] 05 p0727 N91-14063
DRUFUCA, GIUSEPPE
Propagation of seismic waves in nonelastic media
[REPT-90-065] 15 p2463 N91-23651
DRUMHELLER, DAVID M.
Theory and application of the wavelet transform to signal processing
[AD-A239533] 23 p3856 N91-31501
DRUMMER, CHRISTIAN
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans 11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
DRUMMOND, CHARLES H., III
Crystallization and properties of Sr-Ba aluminosilicate glass-ceramic matrices
[NASA-TM-103764] 11 p1689 N91-19308
Crystallization of the glassy grain boundary phase in silicon nitride ceramics
[NASA-CR-188717] 23 p3930 N91-31961
Crystallization and characterization of Y2O3-SiO2 glasses 23 p3930 N91-31962
Glass formation and crystallization in high-temperature glass-ceramics and Si3N4 23 p3930 N91-31964
Indirect measurement of the viscosity of the intergranular glass phase in yttria-sintered silicon nitride 23 p3930 N91-31965
DRUMMOND, COLIN K.
An AD100 implementation of a real-time STOVL aircraft propulsion system
[NASA-TM-103683] 05 p0623 N91-13457
DRUMMOND, J.
Asteroid/meteorite streams 17 p2904 N91-26038
Discovery and orbital characterization of near-Earth asteroids 17 p2904 N91-26039
DRUMMOND, J. P.
Modeling of high speed chemically reacting flow-fields 02 p0149 N91-10870
DRUMMOND, MARK
AI planning: Systems and techniques
[AD-A227626] 07 p1055 N91-15795
DRUMMOND, TIMOTHY J.
A theoretical investigation of effective surface recombination velocity in AlGaAs/GaAs heteroface solar cells
[DE91-001754] 05 p0683 N91-13795
DRUY, M. A.
Polyaniline: Inter-relationship between ultra-structure and properties
[AD-A236993] 19 p3143 N91-27370
DRYER, F. L.
Comprehensive mechanisms for combustion chemistry: An experimental and numerical study with emphasis on applied sensitivity analysis
[DE91-008030] 11 p1681 N91-19262
DRYZEK, J.
Characteristic x rays method for detecting cold fusion
[DE91-619982] 13 p2157 N91-21890
DU, J.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526
DUAN, H. M.
Chemical spray pyrolysis of Tl-Ba-Ca-Cu-O high-T(sub c) superconductors for high-field bitter magnets 13 p2039 N91-21212
DUBACH, J. F.
Medium energy nuclear physics research
[DE91-015740] 21 p3578 N91-29901
DUBELAAR, G. B. J.
An optical multichannel analyser based large volume reflectometer
[BCRS-90-37] 24 p4020 N91-32469
DUBIN, MAURICE
Reexamination of data from the asteroid/meteoroid detector
[NASA-CR-185875] 02 p0288 N91-11619
DUBINSKY, R.
The new FIRE cloud lidar at Langley Research Center 01 p0081 N91-10482
DUBIS, DAVID
Energy efficient continuous flow ash lockhopper
[NASA-CASE-NPO-16985-1-CU] 07 p0988 N91-15423
DUBOIS, D. F.
Concepts in strong Langmuir turbulence theory
[DE91-000208] 02 p0275 N91-11546
DUBOIS, NEIL J.
Low frequency vibration absorber
[AD-D014820] 16 p2635 N91-24587
DUBOIS, P. F.
Comprehensive numerical modelling of tokamaks
[DE91-006219] 09 p1408 N91-17746
The Basis version of LASNEX
[DE91-009483] 13 p2092 N91-21516
DUBOIS, PASCALE C.
Method for providing a polarization filter for processing synthetic aperture radar image data
[NASA-CASE-NPO-17904-1-CU] 05 p0648 N91-13594
DUBOIS, R. D.
Electron emission in H-0-atom collisions: A coincidence study of the angular dependence
[DE91-005555] 10 p1591 N91-18775
Correlations between charged particles emitted in ion-molecule collisions
[DE91-005557] 10 p1592 N91-18776
DUBONOS, S. L.
Ultrasonic assessment of human tibia during 370-day antiorthostatic hypokinesia 10 p1562 N91-18591
Mineral density of bones of human skeleton in simulated reduced gravity 19 p3208 N91-27730
DUBROFF, W.
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
DUBRULLE, BERENGERE
Interferometric molecular line observations of W51 06 p0896 N91-14950
DUBSKY, J.
Phase changes during plasma spray deposition
[IPPCZ-297] 06 p0875 N91-14837
DUBUS, B.
Modification of programs CHIEF and CID to compute sound radiation from an arbitrary body with mixed boundary conditions
[AD-A237502] 21 p3556 N91-29759
DUCE, D. A.
An approach to hierarchical input devices
[CWI-CS-R8946] 03 p0407 N91-12274
Components, frameworks and GKS input
[CWI-CS-R8947] 03 p0407 N91-12275
DUCHARME, MICHEL B.
Methodology for calibration and use of heat flux transducers
[AD-A239552] 23 p3863 N91-31541
DUCHARME, S.
Observation of the photorefractive effect in a polymer
[AD-A231339] 13 p2057 N91-21322
DUCHEIN, M.-C.
A ground based module for experimentations of cultivations and recycling in a closed environment 11 p1756 N91-19657
DUCHENE, B.
Evaluation of multisensor fusion scheme for the localization of underwater remotely operated vehicles 15 p2453 N91-23590
DUCHOSSOIS, G.
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
DUCK, P. W.
Boundary-layer receptivity due to a wall suction and control of Tollmien-Schlichting waves
[NASA-CR-182103] 01 p0002 N91-10009
DUCK, PETER W.
The inviscid stability of supersonic flow past heated or cooled axisymmetric bodies
[NASA-CR-187475] 06 p0777 N91-14307
On the effects of viscosity on the stability of a trailing-line vortex
[NASA-CR-187500] 10 p1462 N91-18062

The unsteady laminar boundary layer on an axisymmetric body subject to small amplitude fluctuations in the free-stream velocity
[NASA-CR-187579] 19 p3099 N91-27121
On the linear stability of compressible plane Couette flow
[NASA-CR-187610] 22 p3613 N91-30097
DUCKERT, ROB E.
Thermomechanical and bithermal fatigue behavior of cast B1900 + Hf and wrought Haynes 188
[NASA-TM-4225] 12 p1869 N91-20268
DUCKWORTH, R. JAMES
Translating expert system rules into Ada code with validation and verification
[NASA-CR-187505] 18 p3043 N91-26800
DUCROCQ, J. B.
New technologies for integrating thermal control, and radiation protection in hybrid technology
24 p3996 N91-32330
DUDA, DAVID P.
Analysis of tethered balloon data from San Nicolas Island on 8 July 1987 01 p0088 N91-10517
DUDAS, CHARLES
Demonstration Precision Runway Monitor (PRM) proof of performance test results
[DOT/FAA/CT-TN91/3] 17 p2737 N91-25153
DUDDER, G. B.
Hydrogen embrittlement effects on tensile properties of tungsten heavy alloys
[DE91-011332] 17 p2760 N91-25282
DUDEK, E. J.
Protection against UVA-induced photooxidative damage in mammalian cell lines expressing increased levels of metallothionein
[DE91-010791] 17 p2822 N91-25596
DUDEK, F. E.
Intracellular physiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and effects of neuromodulators
[AD-A234442] 18 p3020 N91-26675
DUDENHOEFER, JAMES E.
Stirling machine operating experience
[NASA-TM-104487] 17 p2806 N91-25510
Status of NASA's Stirling Space Power Converter Program
[NASA-TM-104512] 24 p4039 N91-32569
DUDHIA, A.
Proposed reference models for nitrous oxide and methane in the middle atmosphere
19 p3189 N91-27636
Reference model for CH4 and N2O and trends
19 p3189 N91-27637
DUDINOV, V. N.
Signs of interaction of the NGC 1275 nucleus with the high-velocity system according to 0.7 sec seeing observations 08 p1256 N91-16918
DUDKIN, V. E.
Radiation experiments on Cosmos 2044: K-7-41, parts A, B, C, D, E
[NASA-CR-188540] 17 p2860 N91-25819
DUDKOVSKIY, E. A.
Device for irradiating large parabolic-reflector antennae
[AD-A225262] 03 p0357 N91-11996
DUDLEY, G. A.
Muscle function impairment following lower limb unloading in men 11 p1749 N91-19616
DUDLEY, MICHAEL
NASA Aerodynamics Program
[NASA-TM-4312] 23 p3897 N91-31751
DUDLEY, MICHAEL R.
Turbulence and pressure loss characteristics of the inlet vanes for the 80- by 120-ft wind tunnel
[NASA-TM-102808] 05 p0625 N91-13466
DUDLEY, VERNON
Bench-scale testing of a heat-pipe receiver for solar thermal electric applications
[DE90-009834] 02 p0231 N91-11289
DUDMAN, A. E.
Assessment of the application of the working group 22 standard bump concept to a current military aircraft
20 p3285 N91-28166
DUDNEY, N. J.
Sputter deposition of lithium silicate-lithium phosphate amorphous electrolytes
[DE91-006603] 10 p1607 N91-18869
Thin film amorphous electrolytes: The Li2O-SiO2-P2O5 system
[DE91-007272] 11 p1807 N91-19925
DUDNIKOVA, G. I.
Laboratory and computer simulations of wave generation processes in non-stationary astrophysical phenomena
06 p0920 N91-15082
DUDOK, E.
C-band antennas for regional communication systems
[MBB-UK-0107-90-PUB] 11 p1695 N91-19336
DUENAS, A. R.
A characterization of internal-Sn Nb3 Sn superconductors for use in the Proof of Priciples (PoP) coil
[DE91-001743] 06 p0879 N91-14852
DUERSCH, FRED, JR.
Space shuttle redesigned solid rocket motor Certificate of Qualification (COQ) data report
[NASA-CR-184051] 06 p0800 N91-14416
DUESING, R.
The application of time-resolved luminescence spectroscopy to a remote uranyl sensor
[DE91-016310] 24 p3972 N91-32189
DUFF, J. W.
Description of the Strategic High-Altitude Atmospheric Radiation Code (SHARC)
[AD-A237089] 21 p3541 N91-29671
DUFFEL, LARRY E.
Software development environments: Status and trends 11 p1774 N91-19723
DUFFIE, NEIL A.
Impact of inertia, friction, and backlash upon force control in telemanipulation 12 p1935 N91-20648
Comparison of force and tactile feedback for grasp force control in telemanipulation 12 p1937 N91-20655
DUFFY, L. B.
Manufacture of carbon fibre reinforced structural tubular struts using the liquid pressure forming process
03 p0327 N91-11820
DUFFY, M. K.
Evaluation of knowledge-based system development tools
[DE91-017241] 24 p4092 N91-32860
DUFFY, STEPHEN F.
Structural reliability analysis of laminated CMC components
[NASA-TM-103685] 11 p1686 N91-19292
Structural design methodologies for ceramic-based material systems
[NASA-TM-103097] 14 p2252 N91-22460
DUFOUR, C.
CECIL: Collaboration between companies and research agencies in heavy ion test of spacecraft microelectronics
24 p3998 N91-32348
DUFOUR, G.
System design for the Tiger helicopter
[MBB-UD-0581-90-PUB] 11 p1649 N91-19090
DUFOUR, P.
Laser velocimetry at the CEAT aerodynamic group: Application to unsteady measurements on a fluid flap profile
[AAAF-NT-89-05] 23 p3784 N91-31100
DUFOUR, REGINALD J.
Emission line nebulae in the Magellanic clouds
09 p1430 N91-17875
CNO abundance variations in the type I planetary nebulae 09 p1435 N91-17908
DUGAN, EDWARD T.
Thermal analysis of conceptual designs for GPHS/FPSE power systems of 250 We and 500 We
[NASA-CR-187145] 16 p2651 N91-24673
DUGGAN, D. M.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
DUGGER, M. T.
Considerations relating to pulsed-beam modification of materials
[DE91-006771] 11 p1807 N91-19922
DUGGIN, M. J.
Accuracy of ocean color data derived from the Coastal Zone Color Scanner (CZCS)
[AD-A235719] 19 p3204 N91-27713
DUGUNDJI, J.
Air Force Research in Aero Propulsion Technology (AFRAPT)
[AD-A229612] 22 p3620 N91-30140
DUGUNDJI, JOHN
Nonlinear large amplitude vibration of composite helicopter rotor blade at large static deflection
[AD-A227933] 07 p0945 N91-15183
Static and dynamic properties of composite blades with structural couplings
[AD-A229318] 22 p3642 N91-30268
DUHAMEL, D.
Computer simulations for the development of missile navigation systems 07 p1043 N91-15721
DUIJVESTIJN, A. J. W.
Generating all 3-connected 4-regular planar graphs from the octahedron graph
[MEMO-854] 01 p0115 N91-10678
DUKE, C. B.
New surface atomic structures for III-V(110)-p(1 x 1)-Sb(1ML): Chemical bonding and electronic structure
[DE90-011230] 08 p1232 N91-16794
DUKE, E. L.
From an automated flight-test management system to a flight-test engineer's workstation
[NASA-TM-104242] 24 p4090 N91-32851
DUKE, EUGENE L.
Application and flight test of linearizing transformations using measurement feedback to the nonlinear control problem
[NASA-TP-3154] 22 p3623 N91-30154
A NASA/RAE cooperation in the development of a real-time knowledge-based autopilot
[NASA-TM-104234] 24 p4090 N91-32850
DUKE, J.
Increased mitogenic response in lymphocytes from chronically centrifuged mice 11 p1752 N91-19634
DUKE, JOHN C., JR.
A physical model for the acousto-ultrasonic method
[NASA-CR-185294] 04 p0534 N91-12962
Mechanical behavior of a ceramic matrix composite material
[NASA-CR-187072] 11 p1718 N91-19461
DUKE, P. J.
Altered cartilage differentiation in tibial epiphyseal plates of Cosmos rats 11 p1751 N91-19628
DUKES, MICHAEL A.
A generalized extraction system for VLSI
[AD-A230396] 12 p1892 N91-20404
VHSIC Hardware Description Language (VHDL) benchmark suite
[AD-A231276] 13 p2136 N91-21761
A prolog system for converting VHDL-based models to Generalized Extraction System (GES) rules
[AD-A238545] 21 p3553 N91-29741
DULIEU, ANNIE
Numerical simulation of three dimensional unsteady flow by multiprocessor solving of the Navier-Stokes equations
[ETN-91-99974] 23 p3871 N91-31594
Automatic analysis of visualization negatives
[ETN-91-99971] 23 p3873 N91-31603
DULIKRAVICH, GEORGE S.
Aerodynamic shape design 10 p1457 N91-18036
A Stream-Function-Coordinate (SFC) concept in aerodynamic shape design 10 p1458 N91-18041
Distributed Minimal Residual (DMR) method for acceleration of iterative algorithms
13 p2014 N91-21077
DULING, I. N.
Optical soliton source
[AD-D014942] 21 p3583 N91-29933
DULK, GEORGE A.
Radio astronomy 24 p4119 N91-33018
Solar astronomy 24 p4120 N91-33026
DUMAS, GUY
Study of spherical couette flow via 3-D spectral simulations: Large and narrow-gap flows and their transitions 20 p3344 N91-28520
DUMAS, J. M.
A survey of the parasitic effects and degradation mechanisms affecting the GaAs FET-based IC's: The first step for a technological evaluation
24 p3992 N91-32304
DUMBACHER, D.
Test results of the modified space shuttle main engine at the Marshall Space Flight Center technology test bed facility 16 p2570 N91-24243
DUMBACHER, S.
Multivariable methods for the design, identification, and control of large space structures. Volume 2: Optimal and sub-optimal estimation applied to large flexible structures
[AD-A226699] 06 p0792 N91-14375
DUMESIC, J. A.
Thermodynamic and kinetic aspects of surface acidity
[DE91-014039] 20 p3311 N91-28331
DUMESNIL, JEAN-JACQUES
The Eutelsat 2 programme
[REPT-911-440-108] 15 p2389 N91-23223
DUNAND, M.
Mechanical and metallurgical aspects of warm temperature forcing
[CETIM-105430] 12 p1868 N91-20263
DUNBAR, BONNIE J.
Panel summary of recommendations
07 p1078 N91-15931
Spacelab D-1 mission 07 p1078 N91-15933
DUNBAR, E.
Shock-induced chemical reactions and synthesis of binary compounds
[DE91-004296] 07 p0976 N91-15355
DUNBAR, KEVIN
On the control of automatic processes: A parallel distributed processing account of the Stroop effect
[AD-A225617] 07 p1054 N91-15790
DUNCAN, D. B.
Engine throat/nozzle optics for plume spectroscopy
[NASA-CR-188118] 14 p2236 N91-22373

DUNCAN, DENISE R.
NASA gateway requirements analysis
[NASA-TM-104951] 14 p2339 N91-22935
DUNCAN, JOHN C.
An advanced knowledge and design acquisition methodology: Application for the pilot's associate
[AD-A233700] 18 p3034 N91-26748
DUNCAN, LEWIS M.
Review of Soviet ionospheric modification research 10 p1546 N91-18509
Historical overview of HF ionospheric modification research 10 p1547 N91-18510
Large scale plasma irregularities and airglow enhancements from ionospheric heating 10 p1549 N91-18520
DUNCAN, M. J.
A new mechanism for neutralizing the cosmological constant
[DE91-009790] 14 p2347 N91-22983
DUNCAN, MICHAEL G.
Precision pulse-timing instrumentation for ultrasonic nondestructive testing
[DE91-000067] 07 p1013 N91-15562
DUNCAN, R. V.
Superconducting instrumentation for critical He-4 measurements in space
[DE91-007894] 11 p1708 N91-19408
Measurement accuracy of macroscopic quantum circuits with RF-biased Josephson junction arrays
[DE91-012651] 20 p3427 N91-29009
Superconducting instrumentation for precision measurement and control
[DE91-014650] 21 p3519 N91-29541
DUNCAN, ROBERT V.
Superconducting demodulators, differential voltmeters, and transducers
[DE91-006773] 10 p1609 N91-18877
DUNCAN, S.
Categories and particulars: Prototype effects in estimating spatial location
[AD-A234955] 18 p3033 N91-26741
DUNGEY, CLIFTON E.
Backscattering by nonspherical particles, using the coupled-dipole method: An application in radar meteorology
[AD-A232371] 15 p2415 N91-23373
DUNGEY, CLIFTON ELWOOD
Backscattering by nonspherical particles, using the coupled-dipole method: An application in radar meteorology 22 p3706 N91-30628
DUNHAM, G.
GaAs solar cell photoresponse modeling using PC-1D V2.1 11 p1668 N91-19193
DUNHAM, GLEN
GaAs solar cells for laser power beaming 22 p3635 N91-30229
DUNHAM, J. B.
Ionospheric refraction effects on orbit determination using the orbit determination error analysis system 09 p1288 N91-17082
DUNHAM, J. R.
NASA-LaRc Flight-Critical Digital Systems Technology Workshop
[NASA-CP-10028] 16 p2560 N91-24200
DUNHAM, JANET R.
Assessment team report on flight-critical systems research at NASA Langley Research Center
[NASA-CR-181850] 21 p3457 N91-29176
DUNHAM, R. E., JR.
Heavy rain effects on airplane performance 03 p0302 N91-11686
DUNIGAN, T. H.
Hypercube clock synchronization
[DE91-009222] 13 p2139 N91-21774
Performance of the Intel iPSC/860 and Ncube 6400 hypercubes
[DE91-012370] 20 p3382 N91-28738
DUNKERTOT, L. V.
Interactions of sulfur-containing compounds with transition metal clusters and metal surfaces III
[DE90-010591] 09 p1305 N91-17160
DUNKLEY, V. P.
A new approach to equipment testing 24 p4053 N91-32639
Lightning protection design and testing of an all composite wet wing for the Egrett 24 p4053 N91-32642
DUNLAP, B. D.
Hyperfine interactions associated with iron substituted superconducting oxides
[DE90-010411] 08 p1230 N91-16783
DUNLAP, BRETT I.
Introduction (to a book on applications of local-density-functional methods in chemistry)
[AD-A228769] 08 p1112 N91-16109
DUNLAP, D. H.
Measurement accuracy of macroscopic quantum circuits with RF-biased Josephson junction arrays
[DE91-012651] 20 p3427 N91-29009
DUNLAP, J. L.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947
DUNLAP, SUSAN L.
A toolkit for designing user interfaces
[AD-A231558] 13 p2130 N91-21723
DUNLOP, M. W.
Review of the Cluster orbit and separation strategy: Consequence for measurements 01 p0070 N91-10420
Configurational sensitivity of multipoint magnetic field measurements 01 p0070 N91-10421
Cluster as a wave telescope 01 p0070 N91-10424
DUNN, ARCHIBALD S.
Aeropredictive methods for missile analysis
[AD-A225403] 04 p0470 N91-12636
DUNN, B.
Containerless synthesis of ceramic materials using microwave heating 13 p2063 N91-21360
DUNN, G. H.
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
DUNN, GLENN
Test plan pressure fed thrust chamber technology
[NASA-CR-184083] 09 p1300 N91-17135
DUNN, J. E.
Launch capabilities to over 10 km/s
[DE91-014657] 21 p3463 N91-29203
DUNN, K.
Aerodynamic preliminary analysis system 2. Part 1: Theory
[NASA-CR-182076] 15 p2364 N91-23080
DUNN, MARTY
Damage accumulation in advanced metal matrix composites under thermal cycling
[AD-A235002] 18 p2942 N91-26227
DUNN, MICHAEL G.
Heat-transfer and surface-pressure measurements for the SSME fuel-side turbopump turbine 16 p2587 N91-24335
DUNN, S. S.
Boundary layer study
[AD-A231343] 13 p2084 N91-21482
DUNN, THOMAS J.
Metallic threaded composite fastener
[NASA-CASE-MSC-21580-1] 15 p2435 N91-23491
DUNN, W. L.
Absorbing CAD system geometries into GEANT
[DE91-015707] 23 p3908 N91-31816
DUNNETT, R. M.
Application of generalized predictive control to a boiler turbine unit for electricity generation
[OUEL-1823/90] 01 p0039 N91-10229
DUNNING, M. J.
Optically-ionized plasma recombination x ray lasers
[DE91-007261] 11 p1802 N91-19898
DUNNING, T. H.
Modeling molecular processes in the environment
[DE91-013790] 20 p3370 N91-28671
DUOBA, M. J.
Development of prototype sealed bipolar lithium/sulfide cells
[DE91-015721] 23 p3859 N91-31519
DUONG, HAU
A 15 MeV proton dianostic for DIII-D
[DE91-002717] 05 p0721 N91-14022
DUPEROUX, J.-P.
Comparison study of the aerodynamic coefficients measured on models with circular or squared section and large elongation in supersonic flow
[ISL-R-125/89] 13 p2019 N91-21106
DUPLESSIS, LEON PHILIP, III
Characterization of carbon overcoats and other surface layers on tribological surfaces 17 p2761 N91-25285
DUPONT, LUC
Review of literature on the damage, loss of stiffness, and residual strength of graphite/epoxy laminates subjected to cyclic loading
[NAE-LTR-ST(CR)-1711] 21 p3530 N91-29611
DUPRAZ, C.
CO observations of southern mergers 05 p0754 N91-14197
DUPRE, K.
Directional solidification of the LiF-LiBaF3 eutectic system 14 p2334 N91-22901
DUPREE, ANDREA K.
UV-optical from space 24 p4119 N91-33021
DUPSLAFF, M.
Propfan technology 03 p0309 N91-11730
DUPUIS, A. D.
Practical methods to evaluate the friction drag coefficient of a projectile in free flight
[ISL-R-123/89] 13 p2018 N91-21105
DUPUY, A. E.
Sampling and analysis for polychlorinated dibenzo-p-dioxins and dibenzofurans in ambient air
[PB91-131698] 12 p1920 N91-20565
DURAJ, STAN A.
Reactivity of pi-complexes of Ti, V, and Nb towards dithioacetic acid: Synthesis and structure of novel metal sulfur-containing complexes
[NASA-TM-103666] 11 p1679 N91-19256
Synthesis and structures of metal chalcogenide precursors
[NASA-TM-103665] 11 p1687 N91-19296
DURAN, M.
An active telescope for the sub-millimetre PRONAOS balloon-borne project 13 p2179 N91-22038
DURAN, RICARDO
Analysis of the efficiency of an a-posteriori error estimator for linear triangular finite elements
[AD-A239647] 23 p3922 N91-31915
DURAND, A.
Bolted structural assemblies: Bibliographic analysis
[CETIM-13N061] 05 p0673 N91-13742
DURAND, B.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
DURAND, C.
Computer dialogue techniques for satellite operations 14 p2222 N91-22285
DURAND, L.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
DURANT, D. Q.
A unique approach to space thermal simulation 11 p1661 N91-19153
DURANTE, M.
Genetic changes in Mammalian cells transformed by helium cells
[DE91-013778] 20 p3379 N91-28721
DURANTI, P.
Automatic treatment of flight test images using modern tools: SAAB and Aeritalia joint approach
[ETN-91-99773] 22 p3680 N91-30492
DURBIN, THOMAS E.
Parametric study of electrostatically charged sprays
[DE90-010580] 08 p1138 N91-16262
DURHAM, F. P.
A review of the Los Alamos effort in the development of nuclear rocket propulsion
[DE91-016036] 23 p3803 N91-31211
DURHAM, JOSEPH ELBERT, JR.
Modeling two-point spatial turbulence spectra for analysis of gust variations over aerospace vehicles 20 p3373 N91-28685
DURHAM, RALPH
Ground data system resource allocation planning to support mission management 14 p2213 N91-22223
DURHAM, STEPHEN D.
Statistical models and inference procedures for structural and materials reliability
[AD-A232634] 15 p2496 N91-23827
DURICY, JAMES A.
Rigid-body-control subsystem sizing for an Earth science geostationary platform
[NASA-TP-3087] 14 p2224 N91-22302
DURIN, CHRISTIAN
Post flight system analysis of FRECOPA (AO 138) 16 p2724 N91-25089
DURKEE, PHILIP A.
Marine stratocumulus cloud characteristics from multichannel satellite measurements 01 p0085 N91-10502
DURKOT, M. J.
Level of dietary fat does not affect fuel oxidation or endurance exercise performance of soldiers
[AD-A235194] 18 p3030 N91-26728
DURNOVA, G.
Altered cartilage differentiation in tibial epiphyseal plates of Cosmos rats 11 p1751 N91-19628
DUROU, J. D.
On the convergence of Strat's shape from shading method
[TELECOM-90-C-004] 12 p1959 N91-20775

DUROU, JEAN-DENIS
Theoretical study of the Strat shape shading algorithm
[TELECOM-90-D-008] 12 p1959 N91-20776
DURRAN, DALE R.
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165
DURRAN, I. R.
Data analysis of hollow cathode experiment to support electrodynamic tether applications
[IFSI-89-16] 02 p0187 N91-11047
DURRANCE, S. T.
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
DURRANT-WHYTE, HUGH F.
Model distribution in decentralized multi-sensor data fusion
[OUEL-1868/90] 11 p1780 N91-19763
DURRANT, P. R.
Digital audio broadcasting: The first UK field trial
[BBC-RD-1991/2] 17 p2766 N91-25311
DURSCH, HARRY
Survey of results from the Boeing modules on the M0003 experiment on LDEF 16 p2718 N91-25048
Results from analysis of Boeing composite specimens flown on LDEF experiment M0003 16 p2718 N91-25050
Systems special investigation group overview 16 p2723 N91-25084
LDEF mechanical systems 16 p2724 N91-25086
On-orbit coldwelding 16 p2724 N91-25087
DURST, F.
Coriolis-effect in mass flow metering
[LSTM-266/T/89] 01 p0043 N91-10258
DUSAUTOY, A. R.
Intercomparison of standards of absorbed dose between the USSR and the UK
[NPL-RSA(EXT)-17] 24 p4094 N91-32874
DUSEK, J. T.
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Atmosphere control during preparation of YBa2 Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
Assessment of tamper-revealing ceramic seals
[DE91-007793] 11 p1688 N91-19301
Strength/grain-size relationships and internal stresses in YBa2Cu3O(x) superconductors
[DE91-011180] 17 p2873 N91-25891
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
DUSTIN, MILES O.
Solar thermal energy receiver
[NASA-CASE-LEW-14949-1] 15 p2457 N91-23617
Solar dynamic power for Earth orbital and lunar applications
[NASA-TM-104511] 19 p3116 N91-27214
DUSTMAN, DIANE
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949
DUSTON, C.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010
DUSTON, DWIGHT
SDIO long wavelength infrared detector requirements 06 p0793 N91-14381
DUTKA, A. J.
COLDEX-86: Summary of the experimental protocol and general results
[AD-A234031] 18 p3028 N91-26715
DUTKA, ANDREW J.
The Trendelenburg position after cerebral air embolism in dogs: Effects on the somatosensory evoked potential, intracranial pressure, and blood-brain barrier
[AD-A233809] 18 p3020 N91-26673
DUTOYA, DENIS
Theoretical study of the flow in a rotating duct. Experimental study through flow visualization in a curved duct
[RAE-TRANS-2189] 21 p3511 N91-29493
DUTSCHK, A.
Residual stresses in Al2O3: Comparison between electromechanical measurements and finite element method calculations 05 p0639 N91-13545
DUTT, A.
A fast algorithm for the evaluation of trigonometric series
[AD-A232848] 15 p2488 N91-23775
DUTTA, B.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
DUTTA, DEBASISH
A geometric investigation of the skeleton of CSG objects
[AD-A229292] 09 p1391 N91-17654
DUTTA, PIYUSH K.
Evaluation of PVDF piezopolymer for use as a shock gauge
[AD-A225955] 04 p0527 N91-12918
CRREL research on materials in cold environments
[AD-A232133] 15 p2398 N91-23280
DUTTON, ROBERT W.
Graded Al(x)Ga(1-x)As photoconductive devices for high efficiency picosecond optoelectronic switching
[DE91-007143] 10 p1609 N91-18879
Computer aided design tools and algorithms for submicron technologies
[AD-A231171] 13 p2135 N91-21757
DUTUIT, O.
PAHs molecules and heating of the interstellar gas 06 p0894 N91-14939
DUTURC, M.
Application of new technologies in the design of the cockpit in future military transport aircraft 10 p1464 N91-18074
DUURSMA, H. F.
Reconstruction of vectorized raster data
[ETN-91-98143] 06 p0858 N91-14738
DUVAL, RONALD W.
Comparisons of elastic and rigid blade-element rotor models using parallel processing technology for piloted simulations
[NASA-TM-102859] 24 p3948 N91-32071
DUVAL, W. M.
Growth kinetics of physical vapor transport processes: Crystal growth of the optoelectronic material mercurous chloride
[NASA-TM-103788] 11 p1692 N91-19320
DUVAUCHELLE, P.
Nondestructive measurement of thickness and density of composite materials by Compton backscattering
[REPT-911-430-112] 15 p2394 N91-23255
DUVEAU, P.
Supersonic-hypersonic inlet studies for aerospaceplane 15 p2378 N91-23160
DUVOISIN, M.
Central and peripheral cardiovascular responses to electrically induced and voluntary leg exercise 11 p1761 N91-19687
DUVVURI, TIRUMALESA
Liquid metal fuel combustion mechanics
[AD-A230648] 12 p1866 N91-20254
DUXBURY, P. M.
Scaling theory and simulations of fracture in disordered media
[DE91-008516] 12 p1915 N91-20536
DUYAR, A.
A distributed fault-detection and diagnosis system using on-line parameter estimation
[NASA-TM-104433] 17 p2840 N91-25696
DUYAR, AHMET
A simplified dynamic model of the Space Shuttle main engine
[NASA-TM-104421] 15 p2409 N91-23340
DUYAR, ALMET
Alpha-canonical form representation of the open loop dynamics of the Space Shuttle main engine
[NASA-TM-104422] 16 p2613 N91-24469
DUZELLIER, S.
CECIL: Collaboration between companies and research agencies in heavy ion test of spacecraft microelectronics 24 p3998 N91-32348
DVORNYCHENKO, V. N.
The generalized Tsiolkovsky equation 09 p1292 N91-17099
DWEK, ELI
Infrared analysis of LMC superbubbles 05 p0751 N91-14181
The spatial distribution of infrared radiation from visible reflection nebulae 06 p0892 N91-14931
On the origin of extinction in the Coma cluster of galaxies 06 p0902 N91-14987
Infrared emission from the supernova remnant Puppis A: Dust and gas parameters 06 p0911 N91-15032
On the detectability of infrared echo arcs around supernova 1987A 06 p0912 N91-15033
DWIGHT, K.
Nucleation and growth of diamond on Si, Cu and Au substrates
[AD-A231044] 13 p2161 N91-21918
Growth and characterization of thin films of Y2O3, La2O3 and La2CuO4
[AD-A231046] 13 p2161 N91-21919
Preparation and characterization of Iron(III) oxide films by an novel spray pyrolysis method
[AD-A231047] 13 p2161 N91-21920
DWIGHT, KIRBY
Synthesis of oxides containing transition metals
[AD-A225032] 03 p0422 N91-12363
DWIVEDI, SUREN N.
Automated assembly in space 19 p3273 N91-28106
DWORETSKY, M. M.
Carbon and nitrogen abundances in HgMn stars 09 p1435 N91-17904
DWORK, CYNTHIA
Bounds on the time to reach agreement in the presence of timing uncertainty
[AD-A229766] 12 p1957 N91-20764
DWORSKI, GEORGE
Hamiltonian 3-D ray tracing in the oceanic waveguide on the ellipsoidal earth
[AD-A237458] 21 p3546 N91-29700
DWYER, HARRY A.
Prediction of in-bore and aerodynamic heating of KE projectile fins
[AD-A226402] 04 p0471 N91-12640
DWYER, J. G.
The effect of post-cure and antimony trioxide addition on the glass transition of polyester and vinyl ester resin systems
[AD-A232523] 15 p2406 N91-23325
DWYER, J. P.
Implementation of a QML (Qualified Manufacturer's List) methodology for discrete semiconductors
[DE90-015715] 02 p0221 N91-11235
DYALL, KENNETH G.
All-electron molecular Dirac-Hartree-Fock calculations: The group 4 tetrahydrides CH4, SiH4, GeH4, SnH4 and PbH4
[NASA-CR-187968] 10 p1496 N91-18237
Polyatomic molecular Dirac-Hartree-Fock calculations with Gaussian basis sets
[NASA-CR-187854] 10 p1591 N91-18772
DYBBS, A.
Analysis of the transient calibration of heat flux sensors: One dimensional case 16 p2584 N91-24323
DYBWAD, G. L.
Some high voltage DC breakdown properties of thick film circuits on alumina
[DE91-014675] 20 p3340 N91-28500
DYCK, H. M.
A study of the angular diameters of dust shells around red giants
[AD-A236228] 19 p3265 N91-28056
DYCK, H. MELVIN
Interferometry 24 p4119 N91-33022
DYE, CRAIG J.
The effects of display failures and symbol rotation on visual search and recognition performance
[AD-A235035] 18 p3033 N91-26743
The effects of display failures, polarity, and clutter on visual search for symbols on cartographic images
[AD-A235703] 19 p3213 N91-27760
DYE, R. C.
Superconducting properties of Tl-Ba-Ca-Cu-O films on silver substrates
[DE91-002304] 06 p0879 N91-14856
Effects of processing parameters on the laser deposition of high temperature superconducting thin films
[DE91-005937] 09 p1343 N91-17374
Diagnostic studies of YBa2Cu3O(7-delta) laser ablation
[DE91-011382] 18 p2991 N91-26515
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
DYE, RAYMOND H.
Auditory processing of complex sounds across frequency channels
[AD-A238023] 21 p3572 N91-29862
DYE, TIMOTHY
Analysis of significant weather on meso-alpha scales using conventional and remotely-sensed data: Further studies
[AD-A227588] 07 p1030 N91-15652
DYER, C. S.
Surface activation of Concorde by Be-7 16 p2708 N91-24983
DYER, D.
Avionics advanced development strategy 09 p1282 N91-17050
DYER, G. R.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707

DYER, M. J.
Ultrafast laser techniques
[AD-A236688] 19 p3172 N91-27536
DYER, MARK J.
Multiphoton detection techniques for F and F2
[AD-A232641] 15 p2399 N91-23286
DYER, MICHAEL
Natural language sourcebook
[AD-A233005] 16 p2668 N91-24765
DYER, R. BRIAN
Destruction of propellant components in supercritical water
[DE90-010600] 08 p1108 N91-16085
DYKE, THOMAS R.
Rotational and vibrational spectra of molecular clusters
[AD-A232959] 16 p2683 N91-24853
DYKEMA, P. G.
Plasma spectroscopy simulations with the ALTAIR code
[DE91-011201] 17 p2867 N91-25862
DYKEMA, PIETER G.
The 2-D axisymmetric line transport
[DE91-005226] 10 p1617 N91-18915
DYKES, C. D
Thin steel section casting on a near-horizontal twin-belt caster
[DE91-001883] 06 p0816 N91-14505
DYKSTRA, DEWEY I., JR.
Distributed Training Technology Cost Analysis Templates (TTCATS): User's manual
[AD-A235893] 19 p3225 N91-27826
DYKSTRA, MARK D.
Evaluation of Raytek infrared pyrometer for continuous propellant temperature measurement
[NASA-CR-184040] 05 p0643 N91-13570
DYKSTRA, PHILLIP C.
Direct numerical simulation of turbulent couette flow, part 2
[AD-A226770] 06 p0826 N91-14564
A method of investigating scales of motion in a turbulent wake
[AD-A237923] 21 p3514 N91-29514
DYLLA, H. F.
Carborane films: Applications to first-wall problems in tokamaks
[DE91-004034] 07 p1068 N91-15878
DYMEK, STANISLAW
Microstructure, plastic deformation and mechanical properties of mechanically alloyed NiAl and NiAl based alloys
[AD-A235135] 18 p2954 N91-26303
DYRDAL, IDAR
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 1: Methodology
[FFI-90/4005-VOL-1] 12 p1844 N91-20138
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 2: General data flow diagram
[FFI-90/4005-VOL-2] 12 p1844 N91-20139
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 3: Data dictionary
[FFI-90/4005-VOL-3] 12 p1845 N91-20140
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 5: Specification mode 15, A + T + B + H
[FFI-90/4005-VOL-5] 12 p1845 N91-20141
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 9: Specification of sub-processes
[FFI-90/4005-VOL-9] 12 p1845 N91-20142
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 4: Processor mini-spec
[FFI-90/4005-VOL-4] 13 p2026 N91-21145
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 6: Specification mode 16, N
[FFI-90/4005-VOL-6] 13 p2027 N91-21146
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 7: Specification mode 29, N + A + T + H
[FFI-90/4005-VOL-7] 13 p2027 N91-21147
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 8: Specification mode 30, N + A + T + B
[FFI-90/4005-VOL-8] 13 p2027 N91-21148
DYSON, F.
Cellular automata and parallel processing for practical fluid-dynamics problems
[AD-A229234] 09 p1388 N91-17635
DZAMBA, LEN D.
Analysis of helicopter mishaps at heliports, airports, and unimproved sites
[SCT-90RR-46] 09 p1275 N91-17010
DZENIS, V. V.
Ultrasonic assessment of human tibia during 370-day antiorthostatic hypokinesia 10 p1562 N91-18591
DZHAPARIDZE, KACHA E.
On second order optimality of regular projective estimators, part 1
[CWI-BS-R9029-PT-1] 17 p2848 N91-25745
On iterative estimators
[CWI-BS-R9036] 17 p2849 N91-25747
DZHAPARIDZE, KACHA O.
On SLLN for martingales with deterministic quadratic variation
[CWI-BS-R8933] 02 p0260 N91-11445
DZIEWONSKI, ADAM M.
Report of the panel on earth structure and dynamics, section 6 13 p2106 N91-21595
DZWONCZYK, LUKE
Hold down interconnection stick
[AD-D014606] 07 p1009 N91-15541
DZWONCZYK, MARK
Techniques for transient error recovery and avoidance in redundant processing systems
04 p0483 N91-12686

E

EACHUS, VERNON F.
Support for thermally expanding conical heatshield
[AD-D014718] 12 p1861 N91-20225
EADDY, C. L.
Status of PAVER implementation within the US Air Force
[AD-A231158] 14 p2198 N91-22137
EADES, C. A.
The role of the UNIX(tm) central computing facility in a multi-purpose national laboratory
[DE91-012361] 20 p3382 N91-28737
EAGAR, T. W.
Modeling second-phase formation during rapid resolidification of stainless steel alloys
[DE91-008567] 15 p2400 N91-23291
EAGLESON, PETER S.
Atmospheric water vapor transport: Estimation of continental precipitation recycling and parameterization of a simple climate model
[NASA-CR-188647] 19 p3201 N91-27695
EALES, STEPHEN A.
Evidence against a simple two-component model for the far-infrared emission from galaxies
05 p0741 N91-14136
Non-steller light from high-redshift radiogalaxies
05 p0763 N91-14238
EAMES, I. W.
A theoretical and experimental study of a novel refrigerant compressor 14 p2254 N91-22467
EARL, M. W.
Physical and chemical analysis of a Ni/H2 cell
24 p4037 N91-32555
EARLEY, L. M.
Low-jitter, high-voltage, infrared, laser-triggered, vacuum switch
[DE91-014602] 21 p3522 N91-29562
Low-cost 3 kV, triggered, stripline, surface-discharge switch
[DE91-016641] 24 p4007 N91-32403
EARLY, E. A.
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373
EARLY, J. W.
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
EARLY, M.
Small Engine Component Technology (SECT)
[NASA-CR-175078] 16 p2561 N91-24205
EARLY, R. A.
SLC polarized beam source electron optics design
[DE91-012911] 20 p3404 N91-28869
EARTHMAN, JAMES C.
Grain boundary cavitation processes in a Ni3Al alloy at elevated temperatures
[AD-A235279] 18 p2955 N91-26307
EASON, D.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
EASTBURG, STEVEN R.
An engineering study of altitude determination deficiencies of the Service Aircraft Instrumentation Package (SAIP)
[AD-A232055] 15 p2375 N91-23145
EASTER, R. C.
Mesoscale modeling of precipitation scavenging by a cold-frontal squall line
[DE91-015534] 21 p3545 N91-29695
EASTERBROOK, CALVIN C.
Development and application of linear and nonlinear methods for interpretation of lightning strikes to in-flight aircraft
[NASA-CR-3974] 01 p0094 N91-10548
EASTERDAY, J. D.
Acoustic emission-fracture strength relations for Al/Gr composites
[DE91-009106] 13 p2045 N91-21251
EASTERLING, ROBERT G.
On the design of component test plans based on system reliability objectives
[DE90-017034] 05 p0673 N91-13745
EASTERLY, JILL A.
Design Evaluation for Personnel, Training, and Human factors (DEPTH)
[AD-A224757] 09 p1372 N91-17542
EASTHOPE, P. F.
An alternative approach to disturbances in boundary layers
[DE91-005594] 10 p1522 N91-18382
EASTMAN, J. A.
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115
Characterization of nanocrystalline Pd by x ray diffraction and EXAFS
[DE91-006441] 09 p1416 N91-17794
Measurements of grain boundary properties in nanocrystalline ceramics
[DE91-006662] 10 p1503 N91-18273
Determination of thermodynamic and kinetic properties of grain boundaries using high temperature calorimetry
[DE91-015571] 21 p3600 N91-30031
EASTMAN, LESTER F.
Advanced technology for improved quantum device properties using highly strained materials
[AD-A233109] 16 p2694 N91-24916
EATHER, ROBERT H.
Miniature imaging photometer, phase 2
[AD-A227716] 07 p1004 N91-15513
EATHERLY, W. P.
The effects of neutron irradiation on the structure of carbon-carbon composites
[DE91-010135] 19 p3117 N91-27222
EATON, ALVIN R
Electromagnetic/electrothermal gun technology development
[AD-A236493] 19 p3109 N91-27174
EATON, D. C. G.
Some considerations of current and future launcher acoustic environments: Implications in terms of design and test requirements 07 p0955 N91-15251
EATON, D. S.
Relational databases with NIAM models bid so long to top-down designs
[DE91-009191] 13 p2168 N91-21965
EATON, H.
Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800
EATOUGH, M. O.
Phase formation in the Tl-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
EAVES, B. CURTIS
Covers by polars of arrangements
[DE91-001358] 06 p0862 N91-14764
EBBELER, D. H.
An improved approach for flight readiness assessment
[NASA-CR-187809] 07 p1014 N91-15566
EBEL, A.
Proceedings of 2nd US/FRG Workshop on Photochemical Ozone Problem and its Control
[PB91-211847] 24 p4042 N91-32583
EBEL, STEVEN J.
Feasibility of a super high energy density battery of the Li/Br/F3 electrochemical system
[AD-A225508] 04 p0518 N91-12884
EBELING, ROBERT M.
Review of finite element procedures for earth retaining structures
[AD-A232230] 15 p2410 N91-23343
EBENEZER, DURAISINGH DIAMOND
The transient response of heavily fluid-loaded elastic plates and cylindrical shells 15 p2442 N91-23528
EBERHARD, N.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
EBERHARD, WYNN
Estimations of ABL fluxes and other turbulence parameters from Doppler lidar data
[NASA-CR-188062] 13 p2116 N91-21648

Estimations of ABL fluxes and other turbulence parameters from Doppler lidar data
[NASA-CR-188053] 13 p2120 N91-21665

EBERHARDT, SILVIO P.
Analog hardware for learning neural networks
[NASA-CASE-NPO-17664-1-CU] 24 p4090 N91-32852

EBERLE, ALBRECHT
Generalized flux vectors for hypersonic shock capturing
[MBB/FE122/S/PUB/397] 05 p0617 N91-13423

EBERLY, J. H.
The 6th Rochester Conference on Coherence and Quantum Optics
[AD-A233350] 17 p2863 N91-25834

EBERMAN, BRIAN
Line kinematics for whole-arm manipulation
[AD-A234422] 18 p2994 N91-26535

EBERSOLE, M. M.
The architect's framework for ground data system development in the 1990's 14 p2208 N91-22190

EBERT, W. L.
Mechanistic interpretation of glass reaction: Input to kinetic model development
[DE91-010794] 17 p2762 N91-25294

EBIANA, ASUQUO BASSEY
Numerical simulation of the air and fuel mixing process in fuel-injected engines using discrete vortex dynamics 20 p3356 N91-28587

EBISUZAKI, WESLEY
Nonlinear dynamics of global atmospheric and Earth-system processes 08 p1183 N91-16510
Nonlinear dynamics of global atmospheric and Earth-system processes 24 p4061 N91-32687

EBNER, JERRY R.
Key structure-activity relationships in the vanadium phosphorus oxide catalyst system
[DE91-005247] 10 p1606 N91-18859

EBNETER, KATHLEEN ANN
An imaging and spectroscopic study of low and intermediate power radio galaxies 05 p0768 N91-14268

EBRAHIMZADEH, MAJID
Optical parametric oscillators pumped by excimer lasers 15 p2432 N91-23473

ECCLES, J. V.
The role of the equatorial electrojet in the evening ionosphere
[MPE-PREPRINT-184] 08 p1180 N91-16494
Theory for modeling the equatorial evening ionosphere and the origin of the shear in the horizontal plasma flow
[MPE-PREPRINT-185] 08 p1180 N91-16495
Computer simulations of medium wavelength irregularities in the equatorial ionosphere resulting from artificially produced density enhancements
[MPE-PREPRINT-186] 08 p1180 N91-16496

ECCLES, PETER J.
Thermodynamic Alerter for Microbursts (TAMP) 16 p2557 N91-24179

ECCLES, THOMAS JOHN
Measurement of hydrodynamic forces and moments and flow field mapping of a model in coning motion
[AD-A226684] 06 p0787 N91-14355

ECEVIT, F. N.
Investigation of surface deformations by double exposure holographic interferometry
[DE91-619238] 16 p2630 N91-24564

ECHER, C. J.
Measurements of ionization cross-section for electron energy-loss microanalysis under well defined scattering conditions
[DE91-013745] 20 p3403 N91-28862

ECKARDT, MATTHIAS
Vegetative index for Europe 04 p0541 N91-12999

ECKART, A.
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A 05 p0739 N91-14125
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
The molecular interstellar medium and the near-infrared continuum of the barred liner NGC 6764
[MPE-PREPRINT-193] 15 p2532 N91-24029

ECKART, ANDREAS
High angular resolution mm- and submm-observations of dense molecular gas in M82 05 p0761 N91-14230
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236

ECKART, DONALD W.
Fabrication and characterization of yttrium barium copper oxide superconductors for microwave applications
[AD-A231713] 14 p2331 N91-22877

ECKE, R. E.
Low-temperature flow visualization of thermally-convecting liquid helium
[DE91-011383] 17 p2778 N91-25376

ECKE, ROBERT
Rotating Rayleigh-Benard convection: The Kueppers-Lortz transition
[DE91-004835] 08 p1142 N91-16288

ECKEL, ANDREW J.
Effect of hydrogen on the strength and microstructure of selected ceramics
[NASA-TM-103674] 06 p0812 N91-14482
Ceramic composites for rocket engine turbines
[NASA-TM-103743] 11 p1675 N91-19235
Thermal shock of fiber reinforced ceramic matrix composites
[NASA-TM-103777] 11 p1687 N91-19295

ECKEL, M.
Investigations into fracture mechanics failure concepts with thermomechanically rolled steels
[BLL-OA-TRANS-4238-(6196.3)] 18 p2998 N91-26556

ECKELKAMP, R. E.
Operations management system 09 p1280 N91-17036

ECKELMANN, H.
The effect of jet bleed on base pressure distribution, shedding frequency, and mean velocity profiles in the wake behind a two-dimensional blunt model
[MPIS-12/1990] 23 p3782 N91-31085

ECKELMANN, HELMUT
Effects of streamwise pressure gradients on turbulence structure in the viscous layer
[AD-A225048] 03 p0365 N91-12041

ECKELS, P. W.
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579

ECKER, A.
Boundary layers in transparent melts (TEXUS 10) 23 p3838 N91-31406

ECKERLE, K. L.
Absolute specular reflectometer with an autocollimator telescope and auxiliary mirrors
[PB90-269572] 09 p1425 N91-17844

ECKERLE, W. J.
Hydrogen-fueled scramjet investigation
[AD-A237569] 21 p3459 N91-29183

ECKERLING, SHERRY J.
Real-time failure control (SAFD)
[NASA-CR-184025] 02 p0220 N91-11233

ECKERT, ANDREAS
Lunar spaceport: Space airport on the world
[ILR-MITT-250(1990)] 22 p3775 N91-31058

ECKFORD, DUNCAN J.
Aircraft operations on repaired runways
[AGARD-R-731] 03 p0316 N91-11771

ECKLES, WILLIAM E.
Synthesis and structures of metal chalcogenide precursors
[NASA-TM-103665] 11 p1687 N91-19296

ECKMAN, R. M.
Aerial smoke plume observations and surface-layer turbulence measurements. Part 2: Wind and temperature spectral analysis. Phase 4: Dispersion study: AMADEUS
[AD-A229291] 09 p1368 N91-17520

ECKMAN, RICHARD MARK
The influence of the sampling time on diffusion measurements in the atmosphere 05 p0687 N91-13824

ECKOLD, G.
Use of neutron diffraction methods for the determination of mechanical stresses in metal ceramic laminated composite materials 05 p0638 N91-13537

ECKSTEIN, C. J.
Style manual for use in computer based instruction
[AD-A226959] 07 p1048 N91-15754

ECKSTEIN, JAMES N.
High temperature superconductivity
[AD-A226297] 04 p0589 N91-13291
High temperature superconductivity
[AD-A226298] 04 p0589 N91-13292

ECKSTROM, CLINTON V.
Transonic shock-induced dynamics of a flexible wing with a thick circular-arc airfoil
[NASA-TM-104088] 20 p3279 N91-28132
Experimental flutter boundaries with unsteady pressure distributions for the NACA 0012 Benchmark Model
[NASA-TM-104072] 20 p3280 N91-28137

ECKSTROM, D. J.
Channel diagnostics for the multi-pulse-propagation experiments at ATA
[DE91-009772] 15 p2431 N91-23466

ECOFFET, R. M.
CNES activities on ASIC 24 p3991 N91-32298
Evaluation of FPGAs 24 p4000 N91-32361

ED-DAHABI, K.
Laser heated calcium sulfate TLD plates: Application to radiation mapping 24 p4001 N91-32364

EDDINGTON, L. W.
Satellite-derived moisture-bogusing profiles for the Northwest Pacific Ocean
[AD-A231058] 13 p2124 N91-21690

EDDY, DOUGLAS R.
Aircrew Evaluation Sustained Operations Performance (AESOP): A triservice facility for technology transition
[AD-A234626] 18 p3032 N91-26738

EDDY, M. M.
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981

EDDY, T. L.
Occurrence of tungsten plasma in plasma spraying of WC/Co
[DE91-006111] 09 p1407 N91-17741
LTE (Local Thermodynamic Equilibrium) and non-LTE gas temperatures in loaded and unloaded plasmas during spraying of NiAl powders
[DE91-006127] 09 p1407 N91-17742

EDELMAN, JOEL
Systems special investigation group overview 16 p2723 N91-25084

EDELSACK, EDGAR A.
The necessity for a DOD capability in superconducting electronics
[AD-A231553] 13 p2163 N91-21931

EDELSON, L. H.
Modeling of micromechanisms of fatigue and fracture in hybrid materials
[AD-A225042] 03 p0381 N91-12126

EDELSTEIN, ALAN S.
Heterogeneous magnetoresistant layer
[AD-D014665] 11 p1686 N91-19289

EDEMIRSHIMABUKURO, YOSIO
Contributions of remote sensing to forest resources management: State of the art and perspectives
[INPE-5248-PRE/1679] 22 p3696 N91-30579

EDENBOROUGH, KEVIN L.
Smart tunnel: Docking mechanism
[NASA-CASE-MSC-21360-1] 06 p0791 N91-14374

EDENBURN, M. W.
Models for multimegawatt space power systems
[DE91-008008] 12 p1920 N91-20561

EDENBURN, MICHAEL W.
Reference concepts for a space-based hydrogen-oxygen combustion, turboalternator, burst power system
[DE90-016692] 02 p0206 N91-11155

EDENS, ELEANA S.
Individual differences underlying pilot cockpit error
[DOT/FAA/RD-91/13] 15 p2476 N91-23710

EDER, ANDREAS
Information system for environmental chemicals
[GSF-BER-21/90] 15 p2524 N91-23990

EDER, D.
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426

EDER, D. C.
Advanced design and modeling concepts for recombination x ray lasers
[DE91-005071] 07 p1008 N91-15536
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-006710] 09 p1343 N91-17380
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-007146] 11 p1712 N91-19429
Optically-ionized plasma recombination x ray lasers
[DE91-007261] 11 p1802 N91-19898
Theory and simulation of Raman scattering in intense, short pulse laser plasma interactions
[DE91-008734] 12 p1984 N91-20915
Saturation and kinetic issues for optical-field-ionized plasma x ray lasers
[DE91-012079] 18 p2991 N91-26517

EDER, S.
Berne solar observations: Solar data for January - June 1990
[REPT-57] 03 p0449 N91-12507

EDESKUTY, F. J.
Safe venting of hydrogen
[DE90-008964] 08 p1123 N91-16174

EDGAR, G.
Fiber Optic Tactical Local Network (FOTLAN) 15 p2540 N91-24072

EDGE, J. T.
Flight elements: Fault detection and fault management
09 p1281 N91-17042
EDGERTON, REGGIE
Exercise issues related to the neuromuscular function and adaptation to microgravity 01 p0100 N91-10584
EDIE, D. D.
Thermoplastic coating of carbon fibers
[NASA-CR-188189] 14 p2251 N91-22454
EDIGHOFFER, HAROLD H.
Status of DSMT research program
[NASA-TM-102764] 12 p1911 N91-20505
EDIGHOFFER, J.
Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558
EDMOND, J. A.
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A227309] 06 p0823 N91-14548
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A233744] 18 p2978 N91-26439
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A235888] 19 p3150 N91-27412
EDMONDS, C. G.
Proceedings of the Relevance of Mass Spectrometry to DNA Sequence Determination: Research Needs for the Human Genome Program Workshop
[DE91-004117] 07 p1034 N91-15672
EDMONDS, CHARLES G.
Combined capillary electrophoresis and electrospray ionization mass spectrometry
[DE90-016535] 02 p0193 N91-11079
EDMONDS, J. A.
Greenhouse gases: What is their role in climate change
[DE91-005447] 10 p1542 N91-18486
EDMONDS, LARRY D.
An Ohmic model for charge transport in a semiconductor
[NASA-CR-187811] 07 p1074 N91-15913
EDMUNDS, T.
Fully automatic analysis in an industrial environment
[PNR-90722] 01 p0111 N91-10647
EDNEY, NORRIS ALLEN
In vitro regeneration of Basella alba L
19 p3267 N91-28069
EDVINSSON, G.
On the K-X and M-X band systems of ThO
[USIP-91-01] 22 p3753 N91-30922
EDWARDS, A.
Space Station Freedom avionics technology
09 p1278 N91-17024
EDWARDS, A. L.
TOPAZ2D heat transfer code users manual and thermal property data base
[DE91-000075] 02 p0214 N91-11195
Extending the alias Monte Carlo sampling method to general distributions
[DE91-007619] 10 p1587 N91-18752
EDWARDS, ARTHUR L.
APTBLIBE: Geometrical and Monte Carlo sampling routines for the Cray computer
[DE91-000498] 04 p0564 N91-13132
The alias method: A fast, efficient Monte Carlo sampling technique
[DE91-006244] 09 p1393 N91-17666
EDWARDS, B.
Handbook for MAP, volume 32. Part 1: MAP summary. Part 2: MAPSC minutes, reading, August 1989. MAP summaries from nations. Part 3: MAP data catalogue
[NASA-CR-188151] 14 p2284 N91-22631
EDWARDS, BERNELL J.
Aircrew part-task training research and development in the 1980s: Lessons learned
[AD-A239456] 24 p4077 N91-32773
EDWARDS, BRADLEY CARL
Observations of the soft x ray background
02 p0297 N91-11663
EDWARDS, CHARLES
A paper-assessment of the performance of a modern airborne multi-mode pulse Doppler radar deployed as a ground-based fire-control radar
[ETN-91-98584] 08 p1130 N91-16215
EDWARDS, DANIEL L.
Design and development of the terrain information extraction system
[AD-A231166] 13 p2111 N91-21623
EDWARDS, G.
Damage assessment and possible damage mechanisms to 1-meter diameter Nova turning mirrors
[DE90-016473] 01 p0047 N91-10278
Influence of diamond turning and surface cleaning processes on the degradation of KDP crystal surfaces
[DE91-015300] 21 p3601 N91-30035
EDWARDS, G. R.
Weldability of nickel and iron aluminides
[DE90-013498] 01 p0026 N91-10153
Shielded metal arc welding consumables for advanced high strength steels
[AD-A233376] 16 p2635 N91-24588
Weldability and hot ductility of iron aluminides
[DE91-016343] 23 p3815 N91-31280
EDWARDS, GLEN R.
Fundamental concepts of wettability and interfacial bond strength in aluminum matrix, SiC-reinforced composites
[AD-A225158] 03 p0335 N91-11879
EDWARDS, J. A.
Progress in high Tc superconductors
05 p0722 N91-14031
EDWARDS, JOHN C.
The formation of peroxonitrites and oxygen on Mars
17 p2912 N91-26078
EDWARDS, JOHN W.
Unsteady airloads due to separated flow on airfoils and wings 06 p0783 N91-14340
EDWARDS, JONATHAN R.
AGT 1500 powerpack improvement project (M1 TMEPS), volume 1
[AD-A234998] 22 p3684 N91-30511
AGT 1500 powerpack improvement project (M1 TMEPS), volume 2
[AD-A234999] 22 p3684 N91-30512
EDWARDS, KATHRYN J.
Feasibility analysis of developing a formal performance model of Ada tasking
[AD-A230746] 12 p1958 N91-20771
EDWARDS, M.
The radiation hardness test facility
[RAL-90-065] 08 p1098 N91-16030
EDWARDS, P. J.
A study of the muon content of EAS initiated by UHE gamma ray emission from Cygnus X-3
16 p2705 N91-24968
EDWARDS, P. R.
Short-crack growth behaviour in various aircraft materials
[AGARD-R-767] 02 p0222 N91-11240
An AGARD supplemental test programme on the behaviour of short cracks under constant amplitude and aircraft spectrum loading 02 p0222 N91-11241
EDWARDS, PHILLIP M.
Mechanical strength and thermophysical properties of PM212: A high temperature self-lubricating powder metallurgy composite
[NASA-TM-103694] 13 p2054 N91-21302
EDWARDS, R.
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
EDWARDS, ROBERT M.
A reconfigurable strategy for distributed digital process control
[DE91-013740] 20 p3390 N91-28786
EDWARDS, STEPHEN
An approach for constructing reusable software components in Ada
[AD-A233662] 18 p3038 N91-26770
EDWARDS, STEPHEN G.
Use of grasp force focus positioning to enhance the torque resistance capability of robotic grasps
[AD-A230518] 12 p1907 N91-20495
EDWARDS, SUZAN
The properties and environment of primitive solar nebulae as deduced from observations of solar-type pre-main sequence stars 14 p2345 N91-22961
Optical/IR from ground 24 p4119 N91-33020
EDWARDS, T. A.
Sensitivity of inlet performance predictions to CFD numerical and physical modeling
17 p2773 N91-25345
EDWARDS, THOMAS A.
Application of CFD to sonic boom near and mid flow-field prediction
[NASA-TM-102867] 01 p0003 N91-10015
EECKMAN, F. H.
An analog retina model for detecting moving objects against a moving background
[DE91-017428] 24 p4035 N91-32544
EEKHOUT, M.
Architecture in space structures
[PB91-114868] 12 p1853 N91-20182
EERNISSE, ERROLL P.
The effects of acceleration on precision frequency sources (proposed for IEEE standards project p1193)
[AD-A235470] 19 p3167 N91-27512
EERTINK, HENK
The term processor Kimwitu: A system for generating language-based software
[MEMO-INF-90-70] 22 p3733 N91-30789
Design of the Lotosphere symbolic LOTOS simulator
[MEMO-INF-91-13] 22 p3735 N91-30802
EFIMOV, YU. S.
The influence of grain growth in circumstellar dust envelopes on observed colors and polarization of some eruptive stars 06 p0909 N91-15020
EFROMSON, RONALD A.
The performance of multilayer insulation in a rapidly depressurizing environment 11 p1658 N91-19133
EFTEKHARI, A.
A comparison of corrosion fatigue properties of 6013 bare, alclad 2024 bare aluminum alloy sheet materials
[NIAR-91-8] 14 p2247 N91-22430
EFTEKHARI, ABE
An investigation of microstructural characteristics of contact-lens polymers
[NASA-TP-3034] 05 p0630 N91-13492
Investigation of microstructural changes in polyetherether-ketone films at cryogenic temperatures by positron lifetime spectroscopy
[NASA-TP-3064] 10 p1493 N91-18216
Low-energy positron flux generator for microstructural characterization of thin films
[NASA-TP-3074] 14 p2266 N91-22538
Slow positron beam generator for lifetime studies
[NASA-CASE-LAR-14250-1-SB] 19 p3243 N91-27936
EFTIMIU, CORNEL
Emissivity and transmissivity of a randomly laminar structure 22 p3660 N91-30377
EGALON, CLAUDIO OLIVEIRA
Injection efficiency of bound modes
[NASA-CR-4333] 05 p0715 N91-13991
EGAMI, TAKESHI
Magnetic quasicrystals
[AD-A231264] 13 p2162 N91-21924
EGAN, B. Z.
Development of inorganic membranes for gas separation
[DE91-000726] 07 p0975 N91-15350
EGAN, MARK P.
Collision detection system
[AD-D014645] 11 p1645 N91-19072
EGAN, MICHAEL P.
Using infrared spectral features to probe circumstellar dust shells around cool stars 06 p0909 N91-15021
EGAWA, KOICHI
Application of brittle lacquer techniques to the strength test of CFRP spar/rib element
[NAL-TR-1089] 17 p2761 N91-25287
EGDORF, H. W.
A CLOS (Common Lisp Object System) implementation on top of KEE (Knowledge Engineering Environment)
[DE91-001957] 06 p0858 N91-14739
EGERT, C. M.
Advanced infrared optically black baffle materials
[DE91-000561] 02 p0271 N91-11523
EGETH, HOWARD
Neural mechanisms of attention
[AD-A235003] 18 p3033 N91-26742
EGETH, HOWARD E.
Pre-attentive and attentive visual information processing
[AD-A228541] 08 p1191 N91-16550
EGGEMEIER, F. T.
Automatic information processing and high-performance skills: Applications to training, transfer, and retention
[AD-A235537] 19 p3218 N91-27789
EGGER, JOSEPH
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165
EGGERS, A. P.
The development of the Hera Test Facility (HTF)
07 p0958 N91-15274
EGGERS, M. D.
Biochip technology development
[AD-A230564] 12 p1967 N91-20823
EGGERT, K.
Simulation of pore scale porous media flow using lattice gas methods
[DE91-004829] 18 p2986 N91-26484
EGGLESTON, DEBRA S.
The 1990 JANNAF Propulsion Meeting, volume 2
[CPIA-PUBL-550-VOL-2] 16 p2568 N91-24233
The 1990 JANNAF Propulsion Meeting, volume 1
[CPIA-PUBL-550-VOL-1] 16 p2575 N91-24273

EGOLFOPOULOS, FOKION
An experimental and computational study on the propagation and kinetic structure of laminar premixed flames 14 p2242 N91-22403
EGOROV, A. D.
Medical results of the fourth prime expedition on the orbital station Mir 11 p1742 N91-19576
EGRET, D.
Homogenizing the object nomenclature in the IUE log of observations 09 p1447 N91-17981
EGRY, I.
Experiments for electromagnetic levitation in microgravity 13 p2061 N91-21348
TEMPUS: First results 13 p2062 N91-21350
EHLERS, MANFRED
A proposal to extend our understanding of the global economy 07 p1025 N91-15627
EHLERT, DIETER
The 1980 equalization diagnosis of the German main triangulation network. 5: Neighborhood, conclusions [SER-B-272-PT-2] 24 p4035 N91-32548
EHN, GOERAN
Transonic wind tunnel tests on two-dimensional aerofoil sections: Determination of pressure distribution and drag for an aerofoil of type SAAB 7301 in FFA wind tunnel S5 [FFA-TN-1989-47] 05 p0616 N91-13416
EHRENFREUND, P.
Circumstellar magnetic activity, flares and mass ejections in young stars 10 p1619 N91-18930
Infrared spectroscopy of a carbon extract from the Orgueil meteorite 10 p1620 N91-18934
EHRHARDT, HARDY
Parametric rectification of thematic mapper raw data [DLR-FB-90-55] 24 p4035 N91-32543
EHRHARDT, J.
Ariane capsule: Phase B1 study on structure subsystem 03 p0327 N91-11821
Dispersion layers by electrodeposition (TEXUS 1) 23 p3828 N91-31350
Dispersion electrolysis (TEXUS 4) 23 p3828 N91-31351
Dispersion electrolysis (TEXUS 7) 23 p3828 N91-31352
Dispersion electrolysis (TEXUS 9) 23 p3828 N91-31353
EHRLICH, ANNE H.
Global change and carrying capacity: Implications for life on Earth 09 p1357 N91-17454
EHRLICH, D. J.
Biochip technology development [AD-A230564] 12 p1967 N91-20823
EHRLICH, JOHN J.
A performance analysis and characterization of the Lumonics, Inc. HyperDYE-300 laser pumped dye laser [AD-A225784] 04 p0528 N91-12929
EHRLICH, PAUL R.
Global change and carrying capacity: Implications for life on Earth 09 p1357 N91-17454
EHRLICH, R. B.
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems [DE91-011524] 17 p2781 N91-25390
EHST, D.
Fast-wave current drive modelling for large non-circular tokamaks [DE91-000562] 04 p0584 N91-13261
EHST, DAVID A.
Neoclassical effects on RF current drive [DE90-010302] 08 p1131 N91-16222
EIBECK, PAMELA A.
The turbulent transport of heat within a longitudinal vortex/boundary layer interaction [DE91-006865] 10 p1525 N91-18395
EICHEL, P. H.
Comparison of synthetic aperture radar autofocus techniques: Phase gradient vs subaperture [DE91-014696] 21 p3497 N91-29406
EICHEL, PAUL H.
Implementation of the phase gradient algorithm [DE90-012160] 08 p1197 N91-16579
EICHERT, HELMUT
On the dynamics of the combustion process of hydrogen-air and hydrogen-methane-air mixtures [ESA-TT-1198] 13 p2048 N91-21268
EICKHOFF, H.
Aerodynamics and stabilization of combustion of hydrogen jets injected into subsonic airflow 15 p2378 N91-23164
EIDEL, WERNER
Response of a solidly rotating amphora-type liquid column to axial excitation [LRT-WE-9-FB-06(1990)] 11 p1704 N91-19386
Axial response of an amphora-type liquid column [LRT-WE-9-FB-2(1990)] 14 p2265 N91-22530
Natural frequencies of a spininng amphora-type liquid column [LRT-WE-9-FB-5(1990)] 14 p2265 N91-22531
EIDLER, P.
Proof-of-concept zinc/bromine electric vehicle battery [DE91-011767] 18 p2981 N91-26463
EIDSON, T. M.
Filtering analysis of a direct numerical simulation of the turbulent Rayleigh-Benard problem [NASA-CR-187488] 11 p1701 N91-19366
EIGENMANN, B.
Residual stresses analyses in ceramics and metal ceramic composites using x ray methods 05 p0638 N91-13539
EIKEN, O.
Effects of training with reduced perfusion pressure on performance and muscle fiber characteristics 11 p1748 N91-19615
EILERS, R. G.
Rainfall data analysis using the gamma distribution function [PB91-176834] 19 p3203 N91-27704
EILTS, MICHAEL D.
Gust front/wind shift detection algorithm for the terminal Doppler weather radar [DOT/FAA/NR-91/4] 13 p2121 N91-21671
Enhancements to the terminal Doppler weather radar gust front algorithm [DOT/FAA/NR-91/3] 14 p2255 N91-22473
EINERSON, C. J.
A model-based approach to intelligent control of gas metal arc welding [DE91-006170] 10 p1532 N91-18439
Heat and mass transfer in the gas tungsten and gas metal arc welding processes [DE91-010089] 15 p2439 N91-23510
EIROA, CARLOS
Distribution of the 3.1 micron feature in Cepheus A 06 p0897 N91-14958
EISBRECHER, HANS-DIETER
Design and first tests of individual blade control actuators [MBB-UD-0577-90-PUB] 11 p1648 N91-19087
EISCHEID, J. K.
A comprehensive precipitation data set for global land areas [DE91-010321] 16 p2660 N91-24718
EISELE, U.
Load-bearing capacity of large pipes with circumferential defects under tensile stress: Comparison of experiments with calculated estimates [BLL-OA-TRANS-4233-(6196.3)] 18 p2998 N91-26557
EISEMAN, PETER R.
Dynamics of local grid manipulations for internal flow problems 13 p2016 N91-21090
EISENBERG, ADI
Physical properties and structure of ion-containing polymers [AD-A238196] 21 p3489 N91-29363
EISENBERG, JOSEPH D.
The selection of convertible engines with current gas generator technology for high speed rotorcraft [NASA-TM-103774] 11 p1650 N91-19097
Overview of rotorcraft and general aviation propulsion technology 12 p1840 N91-20112
EISENBERG, R.
Photochemistry and charge transfer chemistry of the platinum group elements [DE91-009153] 13 p2050 N91-21277
EISENREICH, S. J.
Field intercomparison of precipitation samplers for assessing wet deposition of organic contaminants [PB91-125880] 13 p2112 N91-21629
EISENSTAT, STANLEY C.
A comparison of three column-based distributed sparse factorization schemes [AD-A226143] 07 p1052 N91-15776
A compute-ahead implementation of the fan-in sparse distributed factorization scheme [DE91-000531] 07 p1053 N91-15781
EISENTHAL, K. B.
Picosecond studies of chemical intermediates [AD-A237859] 21 p3475 N91-29275
EISINGER, MAGDALENA
Wound healing by cultured skin cells and growth factors [AD-A235300] 18 p3030 N91-26730
EISLER, G. R.
Techniques for controlling a two-link flexible arm [DE91-004818] 07 p1012 N91-15555
Minimum-time trajectory control of a two-link flexible robotic manipulator [DE91-001261] 11 p1716 N91-19448
EISMANN, M.
Holographic lens for wide field-of-view laser communication receiver [AD-A231620] 13 p2090 N91-21502
EISSFELDT, HINNERK
Sex differences concerning performance and personality traits of applicants for highly qualified operator functions in aviation 02 p0245 N91-11364
Study of the predictive validity of a psychological selection procedure for air-traffic controllers based on training criteria [DLR-FB-91-11] 24 p3954 N91-32090
EITZEN, D. G.
Progress in ultrasonic measurements research in 1990: Transient sources for acoustic emission work [AD-A234965] 18 p3056 N91-26882
EITZEN, DONALD G.
In-Process Inspection Study (IPIS) for abrasive machining (honing) [AD-A236244] 22 p3656 N91-30352
EK, M.
Boundary layer parameterization for a global spectral model [AD-A235310] 18 p3012 N91-26635
EKBOM, L. B.
Tungsten composites (TEXUS 10) 23 p3846 N91-31444
Tungsten composites (TEXUS 19) ESA 23 p3846 N91-31445
EKENBERG, T.
Radiation damage testing of transistors for SSC front-end electronics [DE91-005440] 09 p1328 N91-17294
EKERDT, J. G.
Model catalytic oxidation studies using supported monometallic and heterobimetallic oxides [DE91-012144] 20 p3325 N91-28409
EKIS, J. W.
Characterization of ultrasonic transducers using pattern recognition techniques [DE91-000580] 08 p1149 N91-16326
EKLUND, ELLIOTT A.
Analysis of scanning tunneling microscope topographs of graphite surfaces roughened by Ar(+) ion bombardment [AD-A225037] 03 p0359 N91-12010
Effects of tip-broadening and asymmetry on scanning tunneling microscope topographs [AD-A224883] 03 p0369 N91-12068
EKLUND, THOR I.
Airplane systems modifications for improved cabin smoke evacuation [DOT/FAA/CT-TN90/24] 01 p0009 N91-10052
Generation of a buoyant plume of artificial smoke for airplane tests [DOT/FAA/CT-90/9] 02 p0179 N91-11015
EKLUND, TOM
Use of natural gas and liquefied petroleum gas in heavy-duty engines [DE91-752990] 13 p2097 N91-21546
EKLUND, WAYNE
Compliant walker [NASA-CASE-GSC-13348-2] 21 p3548 N91-29714
EKLUND, WAYNE D.
Compliant joint [NASA-CASE-GSC-13153-1] 09 p1345 N91-17387
EKMAN, R. H.
STARS reusability guidelines [AD-A228468] 09 p1380 N91-17588
IBM STARS repository user's guide [AD-A228469] 09 p1380 N91-17589
IBM STARS repository guidebook [AD-A228470] 09 p1380 N91-17590
Repository guidebook for the Software Technology for Adaptable, Reliable Systems (STARS) program [AD-A228474] 09 p1381 N91-17593
EKMANN, J. M.
On the viscosity of a mixture of particulate solids and a fluid continuum [DE91-000940] 04 p0523 N91-12912
Modification of the 'TEACH' computer code for use in a study of swirling turbulent flows [DE91-010492] 21 p3511 N91-29496
EKSHTUT, A.
Hot gas test results of a miniature free-piston pressurization pump driven by hydrazine decomposition products [DE91-017072] 24 p4027 N91-32504
EL-BOHER, A.
Liquid-metal MHD power conversion for space electric systems [SER-S/27] 15 p2390 N91-23231
EL-GENK, MOHAMED S.
Conceptual studies on the integration of a nuclear reactor system to a manned rover for Mars missions [NASA-CR-185841] 19 p3244 N91-27939

An investigation of voids formation mechanisms and their effects on freeze and thaw processes of lithium and lithium fluoride
[NASA-CR-188707] 22 p3646 N91-30294

EL-GHEZAWI, OMAR MOHAMMAD EL-BASHEER
Adaptive control using variable structure systems
16 p2673 N91-24797

EL-HADY, NABIL M.
Nonparallel instability of supersonic and hypersonic boundary layers
[NASA-CR-4373] 14 p2188 N91-22085

EL-KADI, MONA
Parallel Access Main Memory (PAMM) user's manual, version 1.0
[AD-A227744] 08 p1206 N91-16635

EL-KAFRAWY, ALY
Consequences of friction in length compensation for propeller shafts with bending vibrations and bearing forces
[ETN-91-98783] 10 p1536 N91-18457

EL-MASRY, N.
Defect reductions in epitaxial growth using superlattice buffer layers
[AD-A237710] 21 p3596 N91-30005

EL-NEWEIHI, EMAD
A study of the role of modules in the failure of systems
[AD-A225811] 04 p0533 N91-12959

EL-SAYED, A.
The mixed metallic-ionic clusters of the silver/silver iodide
[AD-A237883] 21 p3482 N91-29314

EL-SAYED, M. A.
Size dependence of gaseous cluster reactivity and evaporation dynamics as a mechanistic probe
[AD-A233811] 18 p2945 N91-26249
The structure of the cyclohexyl radical from state-selective photofragment translational spectroscopy of the axial and equatorial conformers of iodocyclohexane
[AD-A236769] 19 p3242 N91-27934

EL-SAYED, MOSTAFA A.
Laser ionic multiphoton dissociation of some acrylate clusters
[AD-A233801] 18 p2945 N91-26247

EL-SHARAWY, EL-BUDAWY
Advanced electromagnetic methods for aerospace vehicles
[NASA-CR-187721] 07 p0994 N91-15453

EL-TOWEISSY, MOHAMED
Measuring the effects of heterogeneity on distributed systems 17 p2886 N91-25953
A distributed scheduling algorithm for heterogeneous real-time systems 17 p2886 N91-25954

ELAM, W. T.
Characterization of nanocrystalline Pd by x ray diffraction and EXAFS
[DE91-006441] 09 p1416 N91-17794

ELANDS, P. J. M.
Solid fuel combustion chamber
[LR-648] 11 p1673 N91-19222
Theoretical and experimental performance of a solid fuel ramjet combustion cycle for hypersonic flight conditions
15 p2379 N91-23170

ELBASSAM, NASIR
Physiological criteria and requirement of biomass production under controlled ecological life support systems 11 p1756 N91-19659

ELBEL, JEFFREY P.
Project Cerberus: Flyby mission to Pluto
08 p1101 N91-16048

ELBER, WOLF
Probabilistic fatigue methodology for six nines reliability
[NASA-TM-102757] 07 p1020 N91-15605

ELBERN, HENDRIK
Energy partition of free Rossby waves in global atmospheric oscillations
[MITT-74] 15 p2463 N91-23648

ELBERT, STEPHEN
The design of a scalable, fixed-time computer benchmark
[DE91-007118] 10 p1566 N91-18609

ELDEM, VASFI
A simplified dynamic model of the Space Shuttle main engine
[NASA-TM-104421] 15 p2409 N91-23340
Alpha-canonical form representation of the open loop dynamics of the Space Shuttle main engine
[NASA-TM-104422] 16 p2613 N91-24469

ELDER, M. L.
Optical characterization of damage resistant kilolayer rugate filters
[DE91-006245] 09 p1408 N91-17747
Thermal-mechanical and physical-chemical properties of phosphate laser glasses
[DE91-016604] 24 p3979 N91-32227
Spectroscopic properties of Nd3+ dopant ions in phosphate laser glass
[DE91-017665] 24 p4112 N91-32985

ELDER, R. L.
Radial inflow turbine study
[AD-A233623] 16 p2635 N91-24589

ELDERING, C.
Optical shared memory system demonstration model
[AD-A226431] 05 p0651 N91-13612
Hybrid optical processor
[AD-A227163] 06 p0874 N91-14834

ELDRED, JIM
The Phoenix Pluto Probe 08 p1102 N91-16053

ELDRIDGE, J. I.
Investigation of interfacial shear strength in SiC/Si3N4 composites
[NASA-TM-103739] 18 p2943 N91-26233

ELEFANTE, DONALD M.
Knowledge-based software assistant (KBSA) technology transfer consortium: Status report 1
[AD-A233035] 16 p2668 N91-24766

ELEY, H. E.
Step voltage analysis for the catenoid lightning protection system 24 p4050 N91-32623

ELFHAG, TORSTEN
A survey of galaxies in CO 05 p0737 N91-14118

ELFSTROM, G. M.
Performance and operational capabilities of the Large European Acoustic Facility (LEAF)
07 p0954 N91-15245

ELGHAOUI, LAURENT MARC
Robustness of linear systems to parameter variations
03 p0410 N91-12288

ELGHAZZANI, EL MOSTAFA
Calculating the flow in a turbomachine with Clebsch variables and a finite element method
[ETN-91-99918] 23 p3797 N91-31180

ELGIN, J. B.
Photometric analysis of a space shuttle water venting
12 p1950 N91-20726

ELIA, MICHELE
Applications of signal processing in digital communications
[AD-A236740] 19 p3153 N91-27428

ELIAHOU, SHAUL
Investigation and characterization of ITO/poly-Si photovoltaic junctions
[ITN-91-85105] 18 p3004 N91-26590

ELIAS, JOHN G.
Highball: A high speed, reserved-access, wide area network
[NASA-CR-188070] 12 p1964 N91-20804

ELIAS, LORNE
Laboratory evaluation of portable and walk-through explosives vapour detectors
[NAE-LTR-UA-104] 21 p3517 N91-29533

ELIAS, NICHOLAS
Elliptical polarimetry of the eclipsing serpentid binary stars SX Cassiopeiae and V367 Cygni
16 p2702 N91-24960

ELIASSON, A.
Directional solidification of immiscible alloys Zn-Pb (MASER 2) 23 p3841 N91-31421

ELIASSON, LARS
Activities report of the Swedish Institute of Space Physics
[ISSN-0284-169X] 03 p0450 N91-12513

ELIERS, J. M.
Comparison of MAGIC and Diatom paleolimnological model hindcasts of lakewater acidification in the Adirondack region of New York
[DE91-010125] 19 p3186 N91-27616

ELIEZER, DAVID ANDREW ABRAHAM
Simplicial lattice methods in cosmology
07 p1084 N91-15962

ELIEZER, Z.
Controlling fundamentals in high-energy high-rate pulsed power materials processing of powdered tungsten, titanium aluminides, and copper-graphite composites
[AD-A230900] 13 p2053 N91-21298

ELIZALDE, E.
Void probability as a function of the void's shape and scale-invariant models
[NASA-CR-188696] 20 p3444 N91-29113

ELIZIODEPAULA, FRANCISCO CARLOS
Development of an incinerator for viscous residues
[INPE-5219-TDL/433] 22 p3624 N91-30159

ELKERTON, JAY
Adaptive human-computer interfaces using expert profiles
[AD-A226906] 06 p0855 N91-14721

ELKINS, J. W.
Geophysical monitoring for climatic change
[PB90-222126] 01 p0092 N91-10538

ELLEFSON, R. E.
Aerogel composites for radioluminescent light/power sources
[DE91-012012] 20 p3323 N91-28395

ELLEMAN, D. D.
Feedback controlled electrostatic and electromagnetic sample positioners 13 p2065 N91-21370

ELLENBROEK, H. B. M.
A general simulation environment for guided weapon analysis
[NLR-TP-89084-U] 22 p3623 N91-30155

ELLENDER, R. D.
New research on bioregenerative air/water purification systems 15 p2537 N91-24053

ELLINGSON, R. G.
ICRCCM (intercomparison of radiation codes used in climate models). Phase 2: Verification and calibration of radiation codes in climate models
[DE91-007323] 11 p1738 N91-19555

ELLINGSON, ROBERT G.
A comparison of ERBE and AVHRR longwave flux estimates
[NOAA-TR-NESDIS-50] 10 p1555 N91-18553

ELLINGSON, W. A.
Quantitative MRI (Magnetic Resonance Imaging) measurement of binder distributions in green-state ceramics
[DE91-004418] 07 p1013 N91-15564
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE90-011092] 08 p1118 N91-16141
Nuclear magnetic resonance imaging of green-state ceramics
[DE91-010750] 17 p2762 N91-25292
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE91-012471] 20 p3325 N91-28410

ELLIOT, GREGORY
Jackson State University's Center for Spatial Data Research and Applications: New facilities and new paradigms 19 p3269 N91-28079

ELLIOTT, ANN R.
COSMOS 2044: Lung morphology study, experiment K-7-28
[NASA-CR-187711] 22 p3713 N91-30668

ELLIOTT, C. J.
INEX modeling of the Boeing ring optical resonator free-electron laser
[DE90-016488] 01 p0047 N91-10280
Integrated Numerical Experiments (INEX) and the Free-Electron Laser Physical Process Code (FELPPC)
[DE90-011957] 08 p1152 N91-16348
Small signal gain for parabolic profile beams in free electron lasers
[DE91-016236] 24 p4022 N91-32478

ELLIOTT, C. JAMES
Small signal gain based on analytic models of thin intense electron beams
[DE91-001874] 05 p0654 N91-13631
Field error lottery
[DE91-001875] 05 p0666 N91-13702

ELLIOTT, C. M.
Chemically modified electrodes and related solution studies
[DE91-016740] 23 p3812 N91-31262

ELLIOTT, C. THOMAS
Field induced gap infrared detector
[NASA-CASE-NPO-17526-1-CU] 06 p0830 N91-14588

ELLIOTT, D. L.
Effects of wind shear and turbulence on wind turbine power curves
[DE91-004072] 06 p0841 N91-14648
US areal wind resource estimates considering environmental and land-use exclusions
[DE91-004065] 07 p1031 N91-15659
Wind energy potential in the United States considering environmental and land-use exclusions
[DE91-017535] 24 p4041 N91-32577

ELLIOTT, D. S.
Nonlinear optical interactions involving the real Gaussian field
[DE91-015052] 21 p3584 N91-29936

ELLIOTT, GLENN R.
Detection and frequency tracking of chirping signals
[DE91-000470] 07 p0994 N91-15457

ELLIOTT, J. C.
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639

ELLIOTT, J. F.
The measurement of single particle temperature in plasma sprays
[DE91-006135] 10 p1602 N91-18834
ELLIOTT, K. B.
The Langley Research Center CSI phase-0 evolutionary model testbed-design and experimental results
[NASA-TM-102762] 10 p1536 N91-18455
ELLIOTT, KATHY
Model 320-2: A compact advanced UAV turbojet
16 p2578 N91-24292
ELLIOTT, M. L.
Computer modeling of ceramic melters to assess impacts of process and design variables on performance
[DE91-013668] 20 p3328 N91-28431
ELLIOTT, N.
Superconducting properties of Tl-Ba-Ca-Cu-O films on silver substrates
[DE91-002304] 06 p0879 N91-14856
ELLIOTT, N. E.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
ELLIOTT, NORMAN EUGENE
Effect of internal gas pressure on the shock consolidation of 304 stainless steel powders
[DE91-004861] 07 p0981 N91-15384
ELLIOTT, ROBERT J.
The existence of smooth densities for the prediction, filtering and smoothing problems
[AD-A233039] 16 p2678 N91-24824
Point processes and approximation
[AD-A233179] 16 p2678 N91-24826
ELLIOTT, S. J.
Adaptive inverse filters for stereophonic sound reproduction
[ISVR-TR-187] 05 p0712 N91-13975
Active reduction of an enclosed sound field: An experimental investigation
[RR-381] 07 p1063 N91-15846
Power output minimisation and power absorption in the active control of sound
[ISVR-TR-191] 22 p3751 N91-30911
ELLIOTT, S. R.
Status of solar neutrino experiments
[DE91-007468] 10 p1625 N91-18964
ELLIS, ARTHUR B.
Structural and electrical properties of titanium-nickel films deposited onto silicon substrates
[AD-A236445] 19 p3159 N91-27465
Chemical sensing applications of semiconductor photoluminescence
[AD-A235935] 19 p3252 N91-27993
Photoluminescence studies of silver-exchanged cadmium selenide crystals. Modification of a chemical sensor for aniline derivatives by heterojunction formation
[AD-A236000] 19 p3253 N91-27996
ELLIS, D. C.
TF89 aircraft centre fuselage
[ETN-91-98579] 08 p1096 N91-16018
ELLIS, D. E.
Hyperfine interactions associated with iron substituted superconducting oxides
[DE90-010411] 08 p1230 N91-16783
Defect clustering and related properties of oxides
[DE91-011072] 18 p2952 N91-26290
ELLIS, DAVID
The derivation of a behavioural model for information retrieval system design 02 p0284 N91-11599
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
Human factors cockpit: A system and human factors program to enhance safety and efficiency in single pilot IFR and terminal area operations
16 p2555 N91-24165
ELLIS, DAVID L.
Graphite/copper alloy interfacial energies determined using the sessile drop method
[NASA-CR-187087] 12 p1871 N91-20284
Advanced materials for space nuclear power systems
[NASA-TM-105171] 21 p3479 N91-29298
ELLIS, G. A.
A subjective rating scale for assessing pilot workload in flight: A decade of practical use
[RAE-TR-90019] 05 p0697 N91-13882
ELLIS, J. RODNEY
Current activities in standardization of high-temperature, low-cycle-fatigue testing techniques in the United States
[NASA-TM-103675] 09 p1352 N91-17427
ELLIS, J. S.
Development of structural optimization capability at RMC
[DREA-CR-89-413] 22 p3694 N91-30564
ELLIS, MICHAEL G.
WES fiber optics ethernet communication system
[AD-A229058] 09 p1324 N91-17272
ELLIS, R.
Current collection by high voltage anodes in near ionospheric conditions 09 p1403 N91-17724
ELLIS, R. F.
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
Fast electron studies in the ZT-40M edge plasma
[DE91-002323] 06 p0875 N91-14838
ELLIS, ROBERT L.
Applications of operator theory to maximum entropy problems
[AD-A230417] 12 p1970 N91-20834
ELLIS, STEPHEN R.
A trajectory planning scheme for spacecraft in the space station environment
[NASA-TM-102866] 09 p1286 N91-17071
Manual Control Aspects of Orbital Flight
[NASA-CP-10056] 12 p1846 N91-20147
Interactive orbital proximity operations planning system 12 p1847 N91-20152
Recovery from an anomalous thruster input during a simulated docking maneuver 12 p1948 N91-20714
Format and basic geometry of a perspective display of air traffic for the cockpit
[NASA-TM-86680] 18 p2926 N91-26142
ELLISON, E. H.
Temperature-jump relaxation kinetics at liquid/solid interfaces: Fluorescence thermometry of porous silica heated by a Joule discharge
[AD-A236850] 19 p3257 N91-28018
ELLROD, GARY P.
A water vapor image feature related to severe thunderstorms 19 p3204 N91-27710
ELLWOOD, JEFFREY L.
Design and construction of a composite airframe for UAV research
[AD-A232422] 15 p2375 N91-23143
ELLZEY, J. L.
A study of confined diffusion flames
[AD-A226552] 05 p0634 N91-13512
ELLZEY, JANET L.
Dynamics of an unsteady diffusion flame: Effects of heat release and gravity
[AD-A227348] 06 p0805 N91-14447
ELMAN, H. C.
Parallel implementation of the hp-version of the finite element method on a shared-memory architecture
[AD-A231506] 14 p2305 N91-22735
ELMEGREEN, BRUCE G.
Theory and laboratory astrophysics
24 p4120 N91-33025
ELMER, J. W.
Modeling second-phase formation during rapid resolidification of stainless steel alloys
[DE91-008567] 15 p2400 N91-23291
ELMILIGUI, ALAA
A multiblock multigrid three-dimensional Euler equation solver
[NASA-TM-103424] 13 p2142 N91-21795
ELORANTA, EDWIN W.
Optical and morphological properties of Cirrus clouds determined by the high spectral resolution lidar during FIRE 01 p0076 N91-10458
Interpretation of the optical and morphological properties of Cirrus clouds from lidar measurements
01 p0081 N91-10483
Three-dimensional mapping of atmospheric boundary layer structure and winds with a high performance lidar
[AD-A238098] 21 p3542 N91-29678
ELPHIC, R. C.
Configurational sensitivity of multipoint magnetic field measurements 01 p0070 N91-10421
ELPHINSTONE, R.
Association of an auroral surge with plasma sheet recovery and the retreat of the substorm neutral line
[DE91-007351] 11 p1737 N91-19552
The contribution of the boundary layer EMF to magnetospheric substorms
[PB91-192740] 22 p3708 N91-30635
ELPHINSTONE, ROBYN
Late Proterozoic and early Palaeozoic palaeontology and biostratigraphy of the Amadeus Basin
19 p3193 N91-27655
As the worm turns: Implications of bioturbation on source rocks of the Horn Valley Siltstone
19 p3195 N91-27668
ELROD, DAVID A.
Damper bearing rotordynamics
10 p1628 N91-18978
ELSAYED-ALI, H. E.
Dynamics of surface melting
[DE91-016344] 24 p3975 N91-32206
Picosecond time-resolved electron diffraction studies of laser heated metals
[DE91-016345] 24 p3975 N91-32207
ELSAYED, MOSTAFA A.
The relative stability and possible structural formulae of the negatively charged silver monoiodide clusters
[AD-A238398] 21 p3576 N91-29888
ELSBERRY, RUSSELL L.
ONR tropical cyclone motion research initiative: Field experiment summary
[AD-A231152] 13 p2122 N91-21679
ELSHAIK, NAGWA MAHMOUD
Direct contact heat transfer to a dispersal droplet with change of phase 20 p3345 N91-28521
ELSON, REBECCA
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
ELSTON, RICHARD
A study of HII regions in spiral galaxies using multiobject spectroscopy 05 p0746 N91-14159
ELTON, ALTAMONT BRACY HAMILTON
A numerical theory of lattice gas and lattice Boltzmann methods in the computation of solutions to nonlinear advective-diffusive systems
[DE91-002566] 06 p0825 N91-14560
ELTON, BRACY H.
Lattice Boltzmann methods for some 2-D nonlinear diffusion equations: Computational results
[DE91-004175] 05 p0710 N91-13962
ELTON, RAYMOND C.
X ray laser with enhanced x ray gain through photodepopulation
[AD-D014635] 07 p1007 N91-15527
ELVGREN, GILLETTE, III
Phonological rule induction: An architectural solution
[AD-A225797] 04 p0562 N91-13117
ELWELL, D.
Software quality metrics
[DOT/FAA/CT-91/1] 23 p3908 N91-31814
ELY, D. W.
Gamma radiation survey of the LDEF spacecraft
16 p2707 N91-24981
ELY, J. F.
Integrated theoretical and experimental study of the thermophysical properties of fluid mixtures
[DE91-012660] 20 p3309 N91-28316
EMANUEL, G.
An integrated aerodynamic/propulsion study for generic aero-space planes based on waverider concepts
[NASA-CR-188691] 22 p3617 N91-30125
EMANUEL, W. R.
The response of atmospheric CO2 to changes in land use
[DE91-001212] 06 p0844 N91-14863
EMANUEL, WILLIAM R.
Terrestrial ecosystems and climatic change
[DE91-001492] 05 p0685 N91-13813
EMANUELY, J. L.
Influence of configuration effects on multiple burst simulation testing 24 p4051 N91-32631
EMBLETON, B. J. J.
New palaeomagnetic results from the Amadeus Basin and their implications for stratigraphy and tectonics
19 p3196 N91-27670
EMBLETON, TONY
Air-ground interface: Surface waves, surface impedance and acoustic-to-seismic coupling coefficient
08 p1214 N91-16685
EMBREE, E.
Strength and creep-rupture properties of adhesive-bonded EPDM joints stressed in peel
[PB90-257676] 04 p0534 N91-12963
EMBURY, J. D.
Texture development in Cu-W composites
[DE91-013388] 22 p3643 N91-30273
EMDAD, H.
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 1: Steady
[AD-A233482] 16 p2547 N91-24113
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 2: User manual for VORSTAB-2
[AD-A233483] 16 p2547 N91-24114
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 3: Unsteady
[AD-A233569] 16 p2547 N91-24115
EMDAD, HOMAYOUN
Calculation of aerodynamic characteristics of airplane configurations at high angle of attack in steady and unsteady flow 02 p0178 N91-11009
EMELCHENKO, G. A.
Diffuse x ray scattering YBa2Cu3O(6.95) monocrystal
[DE91-615182] 11 p1810 N91-19943
EMENY, M. T.
Quantum well infrared detectors: An introduction
07 p0941 N91-15158

EMERSON, DAVID E.
Improved method for preparing gravimetric standard gas mixtures of Helium-4 in nitrogen
[PB91-105700] 09 p1309 N91-17185
EMERSON, M. T.
Fourier transform infrared and Raman spectroscopic characterization of homogeneous solution concentration gradients near a container wall at different temperatures
[NASA-CR-188541] 17 p2756 N91-25254
EMERY, A.
Intespace safety system for IPA full tanks spacecraft vibration tests 07 p0957 N91-15267
EMERY, BILL
Analysis of satellite and Expendable Bathythermograph (XBT) data for the abrupt topography program
[AD-A228870] 08 p1167 N91-16422
EMERY, K. A.
InP/Ga0.47In0.53As monolithic, two-junction, three-terminal tandem solar cells
11 p1668 N91-19191
Two-terminal monolithic InP-based tandem solar cells with tunneling intercell ohmic connections
22 p3633 N91-30216
Monolithic InP/Ga0.47In0.53As tandem solar cells for space 22 p3633 N91-30219
High-efficiency heteroepitaxial InP solar cells
22 p3636 N91-30230
InP concentrator solar cells for space applications
22 p3636 N91-30231
EMERY, M. H.
Hydrodynamic target response to an induced spatial incoherence-smoothed laser beam
[DE91-015757] 23 p3878 N91-31638
EMERY, V. J.
Muon SR and high T(sub c) superconductivity
[DE90-015089] 01 p0128 N91-10760
Some aspects of the theory of high temperature superconductors
[DE91-000903] 04 p0591 N91-13304
Chaos in the lowest Landau level
[DE91-014800] 20 p3403 N91-28866
EMIGH, ROGER ALAN
The aluminium-scandium-lithium-magnesium system as a potential source of superplastically formable alloys
[DE91-005369] 10 p1498 N91-18245
EMILIANI, M. L.
Fiber coating by sputtering for high temperature composites
[AD-A234994] 18 p2941 N91-26226
EMIN, D.
Low temperature properties of boron carbides
[DE91-008172] 11 p1677 N91-19243
On the crystal structure of boron carbides
[DE91-009256] 13 p2161 N91-21914
Structure of icosahedral borides by Raman spectroscopy
[DE91-010872] 21 p3473 N91-29260
Large bipolarons and superconductivity
[DE91-014699] 21 p3593 N91-29985
EMIN, DAVID
Infrared absorption in boron carbides: Dependence on isotope and carbon concentration
[DE90-017592] 01 p0022 N91-10132
EMLAW, MICHAEL
Estimating the strength of the capping inversion and the probability of strong convection
[PB91-176685] 23 p3896 N91-31744
EMMERSON, D.
Geometric modeling application interface program
[AD-A227826] 07 p1049 N91-15759
Geometric modeling applications interface program: System translator user's manual
[AD-A228151] 07 p1052 N91-15777
Geometric modeling applications interface program
[AD-A227651] 08 p1199 N91-16591
Geometric modeling application interface program. System components operator's manual
[AD-A227827] 08 p1200 N91-16594
EMMITT, G. D.
Space-based Doppler lidar sampling strategies: Algorithm development and simulated observation experiments
[NASA-CR-184172] 21 p3521 N91-29554
EMMONS, DONALD A.
Tactical quartz oscillator development
[AD-A234308] 18 p2978 N91-26443
EMMONS, H. W.
Ceiling jet in fires
[PB91-167197] 19 p3146 N91-27386
EMO, FREDERICK L.
Tracking harmonic notch filter
[AD-D014623] 07 p0998 N91-15477
EMPSON, D. K.
FIMA and EUROFLAG: Progress in meeting military airlift and FLA requirements for the 21st century
10 p1467 N91-18091
EMRICH, ANDERS
A flexible hybrid spectrometer for balloon borne and ground based (sub)millimeter wavelength astronomy
13 p2180 N91-22043
EMRICH, ANDEWS
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations
13 p2181 N91-22050
EMSLEY, HOWARD T.
I3G VIRGO: Interactive Graphics for Geometry Generation and Visual Interactive Rapid Grid Generation. User's manual
[AD-A226117] 04 p0563 N91-13125
EMSLIE, BETTY
Use of photogrammetry to measure a plate vibration mode
[AD-A227753] 07 p1015 N91-15572
EMSLIE, GORDON
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
EMSLIE, JAMES F.
The application of laser speckle interferometry to measure strain at elevated temperatures and various loading rates
[AD-A225583] 04 p0536 N91-12972
ENCRENAZ, PIERRE
PRONAOS 13 p2177 N91-22020
ENCRENAZ, THERESE
Early conditions and processes in the outer solar system 10 p1621 N91-18942
Submillimetre observations of solar-system objects
13 p2179 N91-22037
ENDE, H.
Possibilities of trajectory modification
[ISL-CO-209/90] 13 p2028 N91-21151
ENDECOTT, BOYD R.
Inhalation toxicology 10 times to incapacitation for rats exposed continuously to carbon monoxide, acrolein, and to carbon monoxide-acrolein mixtures
[AD-A230639] 12 p1928 N91-20607
Inhalation toxicology. 11: The effect of elevated temperature on carbon monoxide toxicity
[AD-A231185] 13 p2127 N91-21708
ENDERWICK, T. P.
Some pragmatic issues of measurement
[AD-A236992] 19 p3215 N91-27772
ENDICOTT, J. F.
Photoinduced charge and energy transfer processes in molecular aggregates
[DE91-014383] 20 p3403 N91-28864
ENDLER, J. L.
Ship roll stabilization and human performance
[AD-A232721] 15 p2478 N91-23721
ENDO, HIROSHI
A system design and demonstrative field test of wind turbine with a 14 m diameter rotor
[NAL-TR-1056] 01 p0065 N91-10389
ENDO, KAZUTOSHI
Tension-tension and delamination fatigue properties of CF/Epoxy laminates 12 p1861 N91-20227
ENDO, M.
The transport properties of activated carbon fibers
[DE90-015910] 01 p0022 N91-10130
ENDO, SHUJI
Axial compression buckling test on CFRP surface plate/aluminum honeycomb sandwiched curved surface plate
[NAL-TM-584] 01 p0050 N91-10299
ENDRE, MARK JAMES
OPTIC: Orbiting Plutonian Topographic Image Craft proposal for an unmanned mission to Pluto
08 p1102 N91-16049
ENDRES, DANIEL L.
SEAPAK user's guide, version 2.0. Volume 1: System description
[NASA-TM-100728-VOL-1] 17 p2837 N91-25683
SEAPAK user's guide, version 2.0. Volume 2: Descriptions of programs
[NASA-TM-100728-VOL-2] 17 p2838 N91-25684
ENDSLEY, ROSS
An automated linearity test for direct voltage calibrators
[DE90-016927] 02 p0216 N91-11204
ENEGREN, T. A.
A versatile RF cavity mode damper
[DE91-002947] 06 p0821 N91-14534
ENENKL, B.
MBB BO 108 helicopter ground and flight test evaluation
[MBB-UD-0546-89-PUB] 04 p0478 N91-12664
ENENKL, BERNHARD
Development of bearingless tail rotors
[MBB-UD-0575-90-PUB] 11 p1648 N91-19086
ENGARGIOLA, GREG
Contribution of cool dust to the FIR brightness distribution of NGC 6946 Sc(s)2
05 p0741 N91-14134
Peering beyond IRAS: The 100 to 350 micron dust emission from galaxies 05 p0743 N91-14141
ENGARGIOLA, GREGORY
The 100 and 160 micron maps of the dust reemission from the nucleus and inner-arm regions of NGC 6946
06 p0901 N91-14983
ENGE, W.
Heavy ion measurement on LDEF
16 p2710 N91-24996
ENGEBRETSON, MARK J.
A correlative investigation of the propagation of ULF wave power through the dayside magnetosphere
[NASA-CR-187784] 09 p1322 N91-17259
ENGEL, L. A.
Lung volumes, chest wall configuration, and pattern of breathing in microgravity 11 p1741 N91-19574
ENGEL, LISA
Unidentified ions in comets 12 p2002 N91-21019
ENGEL, THOMAS
A combined XPS-ISS modulated molecular beam investigation of the reactions of oxygen and fluorine with silicon surfaces
[AD-A234867] 18 p2948 N91-26269
ENGELBERT, CARL R.
Statistical characterization of graphite fiber for prediction of composite structure reliability
[AD-A238020] 21 p3470 N91-29245
ENGELEN, J.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
ENGELHARDT, D. B.
An accuracy assessment of Magellan Very Long Baseline Interferometry (VLBI) 09 p1288 N91-17080
ENGELKE, CHARLES W.
LWIR stellar calibration: Infrared spectral curves for 30 standard stars
[AD-A236766] 19 p3264 N91-28052
ENGELKO, V. I.
Simulation of electron and ion bipolar flow in high current diode with magnetic insulation
[IPPCZ-301] 17 p2866 N91-25852
ENGELMANN, B.
NIKE2D: A nonlinear, implicit, two-dimensional finite element code for solid mechanics
[DE91-015734] 21 p3534 N91-29634
ENGELMANN, B. E.
A new elastoplastic shell element formulation for DYNA3D
[DE91-008456] 12 p1915 N91-20535
PALM2D: A nonlinear finite element program for the coupled thermomechanical response of solids in two dimensions
[DE91-008423] 13 p2105 N91-21584
ENGELMANN, HARTMUT
Soluble cytokine-receptors are present in normal human urine 14 p2294 N91-22684
ENGELMORE, ROBERT
Expert systems on multiprocessor architectures. Volume 1: Summary
[AD-A238046] 21 p3560 N91-29786
Expert systems on multiprocessor architectures. Volume 2: Technical reports
[AD-A238047] 21 p3560 N91-29787
Expert systems on multiprocessor architectures, volume 3
[AD-A238048] 21 p3560 N91-29788
Expert systems on multiprocessor architectures, volume 4
[AD-A238049] 21 p3560 N91-29789
ENGELSTAD, STEPHEN PHILLIP
Nonlinear probabilistic finite element modeling of composite shells 23 p3883 N91-31668
ENGERAND, JEAN LUC
Numerical simulation of the dynamic behavior of landing gears 20 p3284 N91-28160
ENGHOLM, C.
VHF discharges in storm cells producing microbursts
24 p4049 N91-32620
ENGHOLM, CYNTHIA D.
Beam filling loss adjustments for ASR-9 weather channel reflectivity estimates
[AD-A228654] 09 p1323 N91-17264
ENGLAND, A.
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
ENGLAND, A. C.
Theoretical analysis of a runaway electron suppression device
[DE90-015992] 01 p0125 N91-10737

ENGLAND, ANTHONY W.
Mesoscale monitoring of the soil freeze/thaw boundary from orbital microwave radiometry
[NASA-CR-185901] 05 p0686 N91-13817
ENGLAND, M. WENDY
Inorganic concepts relevant to metal binding, activity, and toxicity in a biological system
[DE91-001489] 05 p0693 N91-13858
ENGLAND, MICHAEL ROHN
A classification of general helicoidal shells
17 p2788 N91-25426
ENGLE, CHARLES B.
APSE interactive monitor: A software artifact for software engineering education
[AD-A235777] 19 p3221 N91-27807
Software maintenance exercises for a software engineering project course
[AD-A235779] 19 p3222 N91-27809
ENGLER, CHARLES, JR.
System description document for the Anthrobot-2: A dexterous robot hand
[NASA-TM-104535] 11 p1716 N91-19449
ENGLERT, PETER A. J.
Proceedings of a Workshop on Cosmogenic Nuclide Production Rates
[NASA-CR-185349] 05 p0734 N91-14098
ENGLISH, C. A.
The interaction of HVEM-generated point-defects with dissociated dislocations
[DE91-013353] 20 p3430 N91-29027
ENGLISH, JAYANNE
Small-scale star formation at low metallicity
05 p0757 N91-14214
ENGLISH, ROBERT E.
Evolving the SP-100 reactor in order to boost large payloads to GEO and to low lunar orbit via nuclear-electric propulsion
[NASA-TM-104527] 19 p3115 N91-27212
Orr-Sherby-Dorn creep strengths of the refractory-metal alloys C-103, ASTAR-811C, W-5Re, and W-25Re
[NASA-TM-105228] 24 p3968 N91-32165
ENGQUIST, SHEREE K.
Neural networks: A primer
[AD-A235920] 22 p3747 N91-30881
ENGRAND, PETER A.
An intelligent advisory system for pre-launch processing 12 p1942 N91-20682
ENGUIST, BJORN
Numerical methods for scattering from electrically large objects
[AD-A238262] 21 p3500 N91-29426
ENKAOUA, D.
Improved quality acceptance procedure for interlaminar shear strength
[IAITIC-87-1005] 15 p2392 N91-23238
ENMAN, ALFRED CARL, JR.
Supervisory control for adaptative controlled processes
[ETN-90-98218] 03 p0409 N91-12287
ENNIX, K.
A system level analysis of the ammonia arcjet
16 p2572 N91-24255
ENO, TIMOTHY J.
A combined optical and collection probe for solid propellant exhaust particle analysis
[AD-A225330] 03 p0324 N91-11803
ENOMOTO, M.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography
[DE91-727527] 06 p0806 N91-14451
ENOS, GEORGE
Lightweight transformer
[DE91-004166] 10 p1516 N91-18348
ENRIGHT, G. D.
UV Thomson scattering from x ray laser plasmas
[DE91-007347] 11 p1802 N91-19895
ENTEKHABI, DARA
Atmospheric water vapor transport: Estimation of continental precipitation recycling and parameterization of a simple climate model
[NASA-CR-188647] 19 p3201 N91-27695
ENVIA, E.
Near-field noise of a single-rotation propfan at an angle of attack
[NASA-TM-103645] 03 p0414 N91-12316
ENVIA, EDMANE
Influence of vane sweep on rotor-stator interaction noise
[NASA-CR-187052] 09 p1394 N91-17671
ENYA, SINTARO
Numerical simulation of buffer flow in a free flow electrophoresis chamber 08 p1141 N91-16279
EOM, JINSEOB
Dynamics of 1.3 micron semiconductor lasers and nonlinear gain 23 p3875 N91-31613
EPHREMIDES, ANTHONY
Movable-boundary channel-access schemes for integrated voice/data networks
[AD-A227331] 08 p1125 N91-16186
The application of Hopfield neural network techniques to problems of routing and scheduling in packet radio networks
[AD-A229039] 09 p1324 N91-17271
EPIFANI, M.
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation
13 p2179 N91-22040
The TIR project: A balloon telescope for the measurement of CBR anisotropies
13 p2180 N91-22041
EPIPHANIO, JOSE CARLOS NEVES
TM/LANDSAT-5 multispectral reflectance for the remote sensing of the condition of bean crop vigor
[INPE-5184-PRE/1652] 13 p2108 N91-21604
EPLEE, R. E., JR.
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
EPLEY, L.
Superpressure stratospheric vehicle
[DE91-000496] 04 p0479 N91-12670
EPLEY, L. E.
A system architecture for long duration free floating flight for military applications
[NASA-CR-187435] 06 p0817 N91-14513
EPPARD, W. M.
Zonal analysis of two high-speed inlets
13 p2016 N91-21089
EPPERSON, D. L.
Urban air toxic monitoring program Aldehyde results, 1989
[PB91-148288] 17 p2806 N91-25514
EPPERSON, J. E.
Multidisciplinary study of phase separation in a supersaturated Ni-Si alloy
[DE91-006586] 10 p1499 N91-18253
Chemical phase separation in binary iron-chromium alloys
[DE91-010282] 18 p2953 N91-26294
EPPLER, DEAN B.
Lighting constraints on lunar surface operations
[NASA-TM-4271] 14 p2353 N91-23014
EPPLEY, K.
Design of a high power cross field amplifier at X band with an internally coupled waveguide
[DE91-007591] 10 p1522 N91-18380
A high power cross-field amplifier at X-Band
[DE91-013277] 21 p3503 N91-29441
EPPLEY, K. R.
SLC polarized beam source electron optics design
[DE91-012911] 20 p3404 N91-28869
EPSTEIN, A.
Air Force Research in Aero Propulsion Technology (AFRAPT)
[AD-A229612] 22 p3620 N91-30140
EPSTEIN, A. J.
New developments in the synthesis and doping of polyacetylene and polyaniline
[AD-A233702] 18 p2945 N91-26244
Photoexcitation spectroscopy of pernigraniline
[AD-A233841] 18 p2945 N91-26250
Polyaniline: Allowed oxidation states
[AD-A233842] 18 p2946 N91-26251
Polyaniline: Pernigraniline, an isolable intermediate in the conventional chemical synthesis of emeraldine
[AD-A233840] 18 p2959 N91-26330
Light induced electron spin resonance in polyaniline
[AD-A233847] 18 p2959 N91-26331
X ray structure of polyanilines
[AD-A233848] 18 p2959 N91-26332
Thermal stabilities of polyanilines
[AD-A233849] 18 p2960 N91-26333
Electron localization in polyaniline and its derivatives
[AD-A233934] 18 p2960 N91-26335
Structure, order and the metallic state in polyaniline and its derivatives
[AD-A233935] 18 p2960 N91-26336
Impedance profiling: A convenient technique for determining the redox or protonic acid doping characteristics of conducting polymers
[AD-A233941] 18 p2960 N91-26337
Novel concepts in electronic polymers: Polyaniline and its derivatives
[AD-A234214] 18 p2960 N91-26339
Spectroscopy and photoexcitation spectroscopies of polyaniline: A model system for new phenomena
[AD-A234215] 18 p2961 N91-26340
Ring-torsional polarons in polyaniline and polyparaphenylene sulfide
[AD-A234384] 18 p2961 N91-26345
Application of microwave cavity perturbation techniques in conducting polymers
[AD-A239376] 23 p3820 N91-31310
EPSTEIN, ARTHUR J.
Synthetic metals: A novel role for organic polymers
[AD-A233862] 18 p2960 N91-26334
EPSTEIN, J. S.
High pulse rate interferometry using a ruby laser and a Cordin model 360 camera
[DE91-001882] 05 p0666 N91-13703
EPSTEIN, S.
Stable hydrogen and carbon isotope ratios of extractable hydrocarbons in the Murchison meteorite
11 p1821 N91-20006
ERBEN, E.
Non-linear vibration of large, imperfect space structures
[MBB-UO-0080-90-PUB] 03 p0320 N91-11788
ERBER, T.
The hysteresis and incremental collapse of complex structures: A paradigm for the fatigue failure of materials
[AD-A234831] 18 p2999 N91-26563
ERBERT, G. V.
High power CW performance from a Ti:Sapphire laser and a single-pass amplifier
[DE91-005269] 09 p1343 N91-17378
A 43 watt CW Ti:Sapphire laser
[DE91-010468] 15 p2433 N91-23479
ERBIL, A.
High efficiency cadmium and zinc telluride-based thin film solar cells
[DE91-002112] 06 p0840 N91-14643
ERCK, R. A.
Self-lubricating boric acid films for tribological applications
[DE90-007805] 01 p0029 N91-10171
Uses of ion bombardment in thin-film deposition
[DE91-004461] 07 p0986 N91-15411
A study of the formation and self-lubrication mechanisms of boric acid films on boric oxide coatings
[DE90-010115] 08 p1117 N91-16137
The role of soft (metallic) film in tribological behavior of ceramic materials
[DE91-006003] 10 p1505 N91-18283
The relation of Hertzian contact pressure to friction behavior of self-lubricating boric acid films
[DE91-010592] 17 p2783 N91-25403
Combined solid and liquid lubrication of silicon nitride under boundary conditions
[DE91-011164] 17 p2784 N91-25409
Boundary lubrication of ceramic materials by soft metallic coating and synthetic oil
[DE91-014017] 20 p3354 N91-28577
Tribological behavior of silver films prepared on ceramic surfaces by ion-beam-assisted deposition
[DE91-017306] 24 p4027 N91-32505
ERDEMIR, A.
Self-lubricating boric acid films for tribological applications
[DE90-007805] 01 p0029 N91-10171
Uses of ion bombardment in thin-film deposition
[DE91-004461] 07 p0986 N91-15411
A study of the formation and self-lubrication mechanisms of boric acid films on boric oxide coatings
[DE90-010115] 08 p1117 N91-16137
Effect of postdeposition annealing on structure and chemistry of the TiN film/steel substrate interfaces
[DE91-006657] 10 p1499 N91-18249
The role of soft (metallic) film in tribological behavior of ceramic materials
[DE91-006003] 10 p1505 N91-18283
The relation of Hertzian contact pressure to friction behavior of self-lubricating boric acid films
[DE91-010592] 17 p2783 N91-25403
Combined solid and liquid lubrication of silicon nitride under boundary conditions
[DE91-011164] 17 p2784 N91-25409
A tribological investigation of the graphite-to-diamond-like behavior of amorphous carbon films ion-beam-deposited on ceramic substrates
[DE91-010816] 18 p2967 N91-26379
Boundary lubrication of ceramic materials by soft metallic coating and synthetic oil
[DE91-014017] 20 p3354 N91-28577
Tribological behavior of silver films prepared on ceramic surfaces by ion-beam-assisted deposition
[DE91-017306] 24 p4027 N91-32505
ERDMANN, KLAUS
Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121
ERDMANN, MICHAEL ANDREAS
On probabilistic strategies for robot tasks
[AD-A225714] 04 p0576 N91-13205

ERDMANN, V. A.
Crystalization of ribonucleic acid and protein in microgravity conditions 14 p2333 N91-22893
ERDOGAN, FAZIL
The surface and through crack problems in layered orthotropic plates
[NASA-CR-188188] 14 p2278 N91-22600
ERES, DJULA
High-speed epitaxy using supersonic molecular jets
[DE91-006155] 10 p1606 N91-18863
ERHART, W. J.
Object modelling and system dynamics in the conceptualization stages of information systems development
[MEMO-INF-90-91] 22 p3769 N91-31014
ERICKSEN, R. H.
Development of Kevlar parachute webbings
[DE91-007513] 10 p1505 N91-18285
ERICKSON, E. F.
SOFIA: A Stratospheric Observatory for Infrared Astronomy
[NASA-TM-103840] 24 p4121 N91-33033
ERICKSON, EDWIN F.
Far-infrared spectroscopy of NGC 6946, IC 342, and Arp 299 05 p0737 N91-14114
ERICKSON, JOHN M.
User's guide for test pattern tools for the personal computer
[AD-A231517] 14 p2305 N91-22736
ERICKSON, K. L.
Modeling laser ignition of explosives and pyrotechnics: Effects and characterization of radiative transfer
[DE90-011052] 08 p1121 N91-16161
ERICKSON, LARRY L.
Panel methods: An introduction
[NASA-TP-2995] 11 p1642 N91-19058
ERICKSON, LLOYD
The Johnson Space Center Management Information Systems (JSCMIS): An interface for organizational databases
[NASA-CR-187256] 04 p0604 N91-13362
The Johnson Space Center management information systems: User's guide to JSCMIS
[NASA-CR-187258] 04 p0605 N91-13364
ERICKSON, N. R.
The submillimeter wave astronomy satellite
13 p2177 N91-22025
ERICKSON, S. A.
Effectiveness of bomber deployed autonomous airborne vehicles in finding rail mobile SS-24s
[DE91-009008] 13 p2145 N91-21815
ERICKSON, W. C.
Solar emission levels at low radio frequencies
[NASA-CR-187337] 01 p0141 N91-10829
ERICSON, MARK A.
Localization performance with synthesized directional audio
[AD-A230316] 12 p1975 N91-20864
ERICSSON, K. A.
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance 3
[AD-A239574] 23 p3901 N91-31773
ERICSSON, L. E.
Unsteady separated flow phenomena causing self-excited structural oscillations
06 p0783 N91-14339
ERIKSEN, FREDERICK J.
The effects of the exhaust plume on the lightning triggering conditions for launch vehicles
24 p4056 N91-32656
ERIKSSON, CHRISTER
ABB Hafo's ESA approved capability domain for CMOS/SOS ASICs 24 p4004 N91-32388
ERIKSSON, G.
Investigation of the time-spread in overdense meteor trails
[PB90-267022] 09 p1427 N91-17855
ERIKSSON, L. G.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886
ERISTAVI, N. A.
On the primary cosmic ray nuclei spectra behaviour in the 10(exp 16) eV energy region
06 p0919 N91-15069
ERLEBACHER, G.
Toward the large-eddy simulation of compressible turbulent flows
[NASA-CR-187460] 05 p0657 N91-13650
Direct simulation of compressible turbulence in a shear flow
[NASA-CR-187537] 12 p1831 N91-20061
ERLEBACHER, GORDON
Direct simulation of compressible turbulence
02 p0144 N91-10847
Non linear evolution of a second mode wave in supersonic boundary layers 02 p0145 N91-10848
On the nonlinear stability of a high-speed, axisymmetric boundary layer
[NASA-CR-187538] 13 p2017 N91-21099
High-order ENO schemes applied to two- and three-dimensional compressible flow
[NASA-CR-187562] 16 p2549 N91-24126
On the linear stability of compressible plane Couette flow
[NASA-CR-187610] 22 p3613 N91-30097
ERM, LINCOLN P.
A computer program for prediction of internal performance of a ramrocket
[AD-A238179] 21 p3467 N91-29226
ERMAK, D. L.
User's manual for SLAB: An atmospheric dispersion model for denser-than-air-releases
[DE91-008443] 13 p2114 N91-21638
Gravity spreading in the dispersion of dense gas plumes
[DE91-010155] 15 p2459 N91-23628
Treatment of denser-than-air releases in an advection-diffusion model: Thermodynamic effects
[DE91-010152] 15 p2460 N91-23632
Atmospheric dispersion models for dense gas releases
[DE91-015144] 21 p3537 N91-29654
ERMER, GAYLE
Dynamic behavior of the human body subjected to impact conditions with and without restraint
04 p0459 N91-12568
ERNEST, M. J.
Benchmarking a Network Storage Service
[DE91-013510] 23 p3916 N91-31868
ERNEUX, THOMAS
A new asymptotic theory for the periodically forced laser
[AD-A232633] 15 p2434 N91-23486
ERNSBERGER, U.
ESA's component programme plan
24 p4002 N91-32373
ERNST, D. J.
Spin effects in two-photon pair production
[DE91-006271] 10 p1592 N91-18779
ERNST, H. A.
Application of elastic and elastic-plastic fracture mechanics methods to surface flaws
[NASA-TM-104964] 15 p2444 N91-23539
ERNST, JOHN A.
Effectivity of atmospheric electricity on launch availability 20 p3300 N91-28260
ERNST, TOMASZ
Homogeneity of geomagnetic variations at the Sodankyla Observatory
[FACL-76] 12 p1922 N91-20574
EROSHKINA, L. A.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058
ERRICHELLO, R.
Variations in gear fatigue life for different wind turbine braking strategies
[DE91-002161] 22 p3684 N91-30513
ERRICO, L.
Multifrequency behaviour of the T Tauri star RU Lupi
09 p1433 N91-17892
ERTEL, J.
Use of radiation efficiency in noise control engineering
[AD-A225054] 03 p0415 N91-12319
ERTEL, PATRICK W.
Mechanical property data on aluminum alloy 7150-T7751 plate
[AD-A227506] 08 p1115 N91-16124
ERTHAL, GUARACI JOSE
Sweeping-vector conversion for polygonal data
[INPE-4558-PRE/1299] 05 p0730 N91-14077
Georelational data model: A conceptual vision of a geographical information system
[INPE-4612-PRE/1335] 05 p0730 N91-14078
ERVIN, JAMIE S.
A fundamental study of nucleate pool boiling under microgravity
[NASA-CR-188732] 22 p3655 N91-30345
ERWERT, RONALD E.
Numerical approximations of the Green's functions for a theoretical model of an aperture fed stacked-patch microstrip antenna
[AD-A230702] 13 p2075 N91-21429
ERWIN, A.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
ERWIN, HARRY
Next manned transportation system
09 p1278 N91-17022
ERWIN, R. L.
Use of 4-D RNAV in time-based en route arrival metering 02 p0175 N91-10997
ERZBERGER, HEINZ
ATC automation concepts 02 p0165 N91-10957
A piloted simulator evaluation of a ground-based 4-D descent advisor algorithm 02 p0176 N91-11000
ESAIAS, W. E.
Instrumentation for optical ocean remote sensing
14 p2362 N91-23070
ESAREY, E.
Elimination of laser prepulse by relativistic guiding in a plasma
[AD-A229859] 12 p1903 N91-20466
Key physics issues affecting the performance of free electron lasers
[AD-A229992] 12 p1903 N91-20467
Frequency upshifting of laser pulses by ionization fronts
[AD-A234354] 18 p2989 N91-26503
ESAREY, ERIC
Vlasov simulations of very-large-amplitude wave generation in the plasma wakefield accelerator
[AD-A237428] 21 p3588 N91-29961
ESBENSEN, H.
Sub-barrier fusion and near-barrier quasi-elastic scattering
[DE91-006046] 09 p1396 N91-17685
ESBJOERNSSON, M.
Effects of training with reduced perfusion pressure on performance and muscle fiber characteristics
11 p1748 N91-19615
ESCAIG, B.
Plastic deformation processes in relation to molecular structure
[ETN-91-99916] 23 p3807 N91-31233
ESCALANTE, E.
Effect of oxygen transport and resistivity of the environment on the corrosion of steel
[PB91-107292] 09 p1313 N91-17207
The influence of water on the mechanical properties of a glass-epoxy matrix composite
[AD-A231778] 14 p2240 N91-22389
The influence of moisture and pressure on the mechanical properties of a glass-epoxy matrix composite and a graphite-epoxy matrix composite
[AD-A239509] 23 p3808 N91-31242
ESCALONA, O. B.
Linear stability and MHD wave propagation in plasmas with solar abundances 06 p0917 N91-15056
ESCH, HELMUT
Wind tunnel investigations of the appearance of shocks in the windward region of bodies with circular cross section at angle of attack
[DLR-FB-90-15] 01 p0005 N91-10027
Wind tunnel investigations of the appearance of shocks in the windward region of bodies with circular cross section at angle of attack
[ESA-TT-1226] 22 p3614 N91-30105
ESCHBACH, P. A.
Optimized readout system for cooled optically stimulated luminescence
[DE91-000150] 03 p0424 N91-12372
Neutron dosimetry using optically stimulated luminescence
[DE91-015781] 21 p3578 N91-29902
ESCHER, WILLIAM J. D.
Cryogenic hydrogen-induced air-liquefaction technologies 15 p2377 N91-23159
Cryogenic hydrogen-induced air liquefaction technologies 16 p2569 N91-24237
ESCOBAR, JULIO
Radio-parameter selection algorithm for receiver-directed packet-radio networks (SRNTN-73)
[AD-A224866] 03 p0356 N91-11990
ESCOBAR, S. R.
Adjustable magnification anamorphic beam expander
[DE91-014110] 21 p3522 N91-29561
ESEN, E. B.
Experimental and theoretical studies of friction and heat transfer in rough passages
[DE90-016302] 02 p0219 N91-11223
Experimental and theoretical studies of friction and heat transfer in rough passages
[DE91-005073] 07 p1003 N91-15504
Experimental investigation of pressure drop and heat transfer for air flow through enhanced tubes
[DE91-012151] 20 p3342 N91-28508
Pressure drop and heat transfer for spirally fluted tubes including validation of the role of transition
[DE91-012242] 20 p3342 N91-28509
ESENER, SADIK
Proceedings of the First Workshop on 3-D Optical Memories
[AD-A234732] 18 p3076 N91-27003

ESER, SEMIH
Thermal stability of jet fuel
[DE90-016801] 01 p0032 N91-10188
Advanced thermally stable jet fuels development program annual report. Volume 2: Compositional factors affecting thermal degradation of jet fuels
[AD-A229693] 12 p1878 N91-20323
ESGAR, JACK B.
Structural properties of laminated Douglas fir/epoxy composite material
[NASA-RP-1236] 01 p0022 N91-10127
ESKANDARIAN, AZIM
A reference model dynamics-CMAC algorithm for simulation and control of robotic manipulators
24 p4028 N91-32507
ESKEN, ROBERT
A Motion Activated Articulating Seat (MAAS): A dynamic concept for cockpit seat design in high performance aircraft
[AD-A231698] 16 p2664 N91-24738
ESKER, BARBARA S.
Experimental and analytical studies of flow through a ventral and axial exhaust nozzle system for STOVL aircraft
[NASA-TM-104364] 17 p2742 N91-25175
ESKER, L.
Evolving impact of Ada on a production software environment 01 p0105 N91-10607
ESKEW, MARK
Silicon Wafer Advanced Packaging (SWAP). Multichip Module (MCM) foundry study, version 2
[AD-A237412] 21 p3505 N91-29452
ESKEWM, R. T., JR.
The effects of luminance boundaries on color perception
[AD-A237794] 21 p3582 N91-29925
ESKOW, ELIZABETH
A software package for unconstrained optimization using tensor methods
[AD-A233989] 18 p3040 N91-26778
ESKRIDGE, PAUL B.
HI and FIR emission from S0 galaxies
05 p0736 N91-14111
ESLINGER, ROBERT
Flight demonstration of a self repairing flight control system in a NASA F-15 fighter aircraft
04 p0486 N91-12702
ESPENAK, F.
Infrared spectroscopy of comets
12 p2004 N91-21026
ESPOSITO, E. J.
CIM 10-micrometers array development
[AD-A236781] 19 p3159 N91-27467
ESPOSITO, L.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175
ESPOSITO, LARRY W.
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182
ESSENS, P. J.
An exploratory study of the interpretation of logical operators in database querying
[AD-A236478] 19 p3261 N91-28036
ESSENS, P. J. M. D.
ERICC: Construction and application of the Command and Control Research Facility
[IZF-1989-55] 08 p1130 N91-16213
Organization of the mission pattern in the air picture
[IZF-1990-A-12] 08 p1195 N91-16568
ESSER, BERND
Spectroscopy with thermionic diode and synchroton radiation. Examination of application possibilities
[BONN-IR-90-21] 03 p0339 N91-11898
ESSFELD, DIETER
Effects of short-lasting weightlessness on gas exchange during light exercise 11 p1741 N91-19573
Time courses of endurance performance parameters following 500 ml blood withdrawal
11 p1743 N91-19586
Influence of various parameters on the V'O2 frequency response of the body. A theoretical study on the basis of a nonlinear model 11 p1745 N91-19594
Intra-individual variability V'O2 frequency responses in physically active subjects 11 p1746 N91-19601
ESSINK, L. B. J.
Object modelling and system dynamics in the conceptualization stages of information systems development
[MEMO-INF-90-91] 22 p3769 N91-31014
ESSINK, L. J. B.
Key concepts and their interdependencies in the modelling language of MADIS
[MEMO-INF-89-72] 03 p0405 N91-12255
Quality assurance in the management of information systems
[MEMO-INF-90-90] 22 p3769 N91-31013
ESSMAN, DOUGLAS J.
Turbojet potential for hypersonic flight
15 p2377 N91-23155
ESTABROOK, KENT G.
The effects of laser beam non-uniformities on x ray conversion efficiency
[DE91-004879] 07 p1069 N91-15883
ESTABROOK, POLLY
Experiments for Ka-band mobile applications: The ACTS mobile terminal 03 p0351 N91-11961
ESTEFAN, J. A.
Precise orbit determination of high-earth elliptical orbiters using differenced Doppler and range measurements 24 p3983 N91-32251
ESTENNE, M.
Lung volumes, chest wall configuration, and pattern of breathing in microgravity 11 p1741 N91-19574
ESTEROWITZ, LEON
A room-temperature, flashpumped, 1.96 micron solid state laser
[AD-D014581] 07 p1006 N91-15524
A thulium-doped fluorozirconate fiber laser pumped by a diode laser source
[AD-D014585] 07 p1006 N91-15525
Room-temperature, flashpumped, 2 micron solid state laser with high slope efficiency
[AD-D014770] 12 p1905 N91-20479
A room-temperature, flashpumped, 2.09 micron solid state laser
[AD-D014871] 18 p2989 N91-26506
ESTES, MICHAEL J.
Detection of high altitude aircraft wake vortices using infrared Doppler lidar: An assessment
[AD-A230534] 12 p1886 N91-20369
ESTES, STEVEN A.
Radio Frequency Interference (RFI) measurements made near the proposed Alaska OTH receiving site
[AD-A226922] 06 p0818 N91-14519
ESTEVEZ, G. A.
Variational and perturbative schemes for a spiked harmonic oscillator
[DE90-637409] 03 p0410 N91-12289
ESTEVEZ, RAUL
Distributed deformation and block rotation in 3D
06 p0845 N91-14667
ESTLER, R. C.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
Diagnostic studies of YBa2Cu3O(7-delta) laser ablation
[DE91-011382] 18 p2991 N91-26515
ESTOM, J. A.
Chromospheric variation and phase relation in M giants 09 p1437 N91-17918
ESTRADA, ARTHUR T.
Space support for airland battle-future
[AD-A233868] 18 p3054 N91-26864
ESTRADAHAEN, JOSE LUIS
Gas entrapment and evolution in aluminium alloys produced by powder metallurgy
[ETN-91-98918] 11 p1685 N91-19285
ESTRELLA, R. M.
Measurement of modulation transfer function for four types of imaging elements used in fast cameras
[DE91-017399] 24 p4021 N91-32475
ETEMAD, S.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
ETHERIDGE, J. A.
Visualizing performance of parallel programs
[DE91-014966] 21 p3561 N91-29793
ETHRIDGE, EDWIN C.
Reluctant glass formers and their applications in optical lens design 13 p2062 N91-21351
ETHRIDGE, NOEL H.
Proposed modification of the jet flow from the BRL 1.68-meter shock tube
[AD-A236368] 22 p3623 N91-30158
ETIENNE, M.
Bipolar microwave transistor technology
24 p3995 N91-32324
ETKIN, A.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
ETKIN, BERNARD
Critical aspects of trajectory prediction: Flight in non-uniform wind 02 p0168 N91-10971
ETKIN, DAVID ALEXANDER
Critical aspects of trajectory prediction: Flight in non-uniform wind 02 p0168 N91-10971
ETT, WILLIAM H.
Information object modeling methodology for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228477] 09 p1381 N91-17595
STARS structure (DoD AAS IOM document version 1.3) for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228479] 09 p1382 N91-17597
ETTENBERG, M.
Improving the reliability and modal stability of high power 870 nm AlGaAs CSP laser diodes for applications to free space communication systems
[NASA-CR-4345] 10 p1528 N91-18413
ETZKORN, J. W.
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525
EUBANK, R. L.
Adaptive bandwidth choice for kernel regression
[AD-A228437] 08 p1210 N91-16661
EUBANK, S.
Nonlinear modeling of chaotic time series: Theory and applications
[DE91-013076] 20 p3435 N91-29055
EUBANK, STEPHEN
Application of nonlinear time series models to driven systems
[DE91-005949] 10 p1586 N91-18743
EUBANKS, MARSHALL T.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
EUDELL, A. H.
Fixed-head star tracker magnitude calibration on the solar maximum mission 09 p1287 N91-17077
EUGENE, LINUS P.
A parallel-pipelined architecture for a multi carrier demodulator
[NASA-CR-188620] 17 p2771 N91-25334
EULER, HANS-JUERGEN
Examinations of the rational utilization of the Global Positioning System (GPS) in local networks
[SER-C-361] 24 p3960 N91-32129
EULER, J.
Correlations between charged particles emitted in ion-molecule collisions
[DE91-005557] 10 p1592 N91-18776
EUSTACHE, RENE-PAUL
Composite matrix deformation process in relation to molecular structure
[ETN-91-99915] 23 p3806 N91-31232
EUSTAQUIODOSANJOS, CELIO
Volcanic-sedimentary sequence of the Greenstone Belt type in the Santa Rita or Goias elevation: An approach with TM-Landsat data
[INPE-5178-PRE/1647] 13 p2109 N91-21610
EUSTIS, J. N.
Cylinder pressure analysis of a diesel engine using oxygen-enriched air and emulsified fuels
[DE90-017660] 03 p0373 N91-12090
EVANKO, R.
A compact, low cost, 7 channel polychromator for Thomson scattering measurements
[DE91-002719] 05 p0721 N91-14024
EVANS, A.
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011
EVANS, A. G.
Metal/ceramic interfaces: Relationships between structures, chemistry, and interfaces
[AD-A235713] 19 p3118 N91-27229
EVANS, ALAN G.
Method for determining astronomic azimuth
[AD-D014677] 11 p1816 N91-19972
Method of steering the gain of a multiple antenna global positioning system receiver
[AD-D014848] 16 p2635 N91-24590
Method of simultaneously measuring orthometric and geometric heights
[AD-D014913] 19 p3265 N91-28057
EVANS, ALISON B.
The effects of compressor seventh-stage bleed air extraction on performance of the F100-PW-220 afterburning turbofan engine
[NASA-CR-179447] 12 p1835 N91-20085
EVANS, B. J.
Developing a GIS to facilitate data analysis for environmental restoration of a large waste site
[DE91-013222] 20 p3438 N91-29078

EVANS, B. T.
Laser detection and mapping of biological simulants 3. Dichotomous sampler measurements of aerosol concentrations as related to lidar signals
[AD-A225321] 03 p0388 N91-12162
EVANS, C. J.
Electrodeposited coatings for diamond turning applications
[DE91-009950] 15 p2405 N91-23315
EVANS, C. R.
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115
EVANS, DAVID A.
Capattery double layer capacitor life performance
[DE91-006639] 11 p1697 N91-19344
EVANS, DIANE L.
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594
The Geologic Remote Sensing Field Experiment (GRSFE): The first geology multisensor airborne campaign 17 p2795 N91-25461
EVANS, H. W.
Reflectivity estimates for laser rangefinder targets at 1.06 and 2.06 microns wavelengths
[RSRE-MEMO-4339] 12 p1905 N91-20482
EVANS, J.
Application of Euler and Navier-Stokes codes to missile type bodies with high L/D ratios
06 p0773 N91-14286
EVANS, J. E.
Results of the Kansas City 1989 Terminal Doppler Weather Radar (TDWR) operational evaluation testing
[AD-A228784] 08 p1129 N91-16206
EVANS, J. R.
Seismic imaging for velocity and attenuation structure in geothermal fields
[DE90-010742] 08 p1175 N91-16469
Detection of targets in terrain clutter by using multispectral infrared image processing
[AD-A237436] 21 p3499 N91-29414
EVANS, J. W.
Physical modeling of bubble phenomena, electrolyte flow, and mass transfer in simulated advanced Hall cells
[DE91-009816] 16 p2622 N91-24518
EVANS, K. C.
Security aspects of database management systems
[DE91-010677] 15 p2524 N91-23987
EVANS, K., JR.
A method for determining poloidal coil configurations for tokamak devices
[DE91-007940] 11 p1803 N91-19903
EVANS, KURT B.
Summary of JAYGO mixing and FSM-1 application of castable inhibitor and liner
[NASA-CR-184030] 05 p0643 N91-13569
EVANS, MEREDITH C. W.
An investigation into the shear strength of ice
[BU-501] 14 p2264 N91-22526
EVANS, N. A.
The effect of charge mixture ratio and particle size on igniter plume heat transfer characteristics
[DE90-010833] 08 p1121 N91-16160
Modeling laser ignition of explosives and pyrotechnics: Effects and characterization of radiative transfer
[DE90-011052] 08 p1121 N91-16161
EVANS, N. D.
In situ TEM studies of the growth of strained Si(1-x)Ge(x) by solid phase epitaxy
[DE91-007278] 11 p1807 N91-19926
Application of electron energy loss spectroscopy to microanalysis of irradiated stainless steels
[DE91-009913] 20 p3314 N91-28344
Annealing effects on the microstructure of titanium electrical contacts on diamond films
[DE91-010150] 21 p3484 N91-29327
EVANS, N. J., III
The compact far infrared emission from the young stellar object IRAS 16293-2422 06 p0894 N91-14940
EVANS, R. A.
BAe University Round Table on Gravitational Research
[BAE-FBS-007] 23 p3894 N91-31729
BAe overview of current gravitational physics research 23 p3894 N91-31731
A reminder of Faraday's gravitational experiments 23 p3894 N91-31735
Heaviside's linearised gravitational theory 23 p3895 N91-31737
EVANS, R. D.
Total ozone, ozonesonde, and Umkehr observations for satellite ozone data validation 11 p1732 N91-19525
Dobson spectrophotometer, ECC ozonesonde, and ground-based NOAA SBUV-2, S/N satellite instrument comparison ozone observations
[PB91-142299] 14 p2268 N91-22549
EVANS, R. H.
Lightning protection requirements for aircraft: A proposed specification
[RAE-TM-FS(F)-632-ISSUE-1-REV] 16 p2557 N91-24186
EVANS, ROGER J.
Kalman filter tracking of a reflective target using forward looking infrared measurements and laser illumination
[AD-A231196] 13 p2093 N91-21524
EVANS, RONALD J.
Image quality metrics and application of the Square Root Integral (SQRI) metric: An overview
[AD-A229753] 12 p1970 N91-20835
EVANS, S. B.
Interactive EAGLE: An interactive surface mesh and three-dimensional grid generation system. Version 1.0 user's guide
[AD-A230093] 12 p1955 N91-20757
EVANS, T. E.
Statistical properties of intrinsic topological noise in tokamaks
[DE91-011741] 18 p3066 N91-26939
EVCES, CHARLES R.
Mechanical design problems associated with turbopump fluid film bearings 10 p1628 N91-18979
EVELAND, J. D.
NASA/DoD aerospace knowledge diffusion research project. Paper 9: Information intermediaries and the transfer of aerospace Scientific and Technical Information (STI). A report from the field
[NASA-TM-103384] 13 p2167 N91-21959
EVENSON, K. M.
Tunable far infrared studies of molecular parameters in support of stratospheric measurements
[NASA-CR-188774] 23 p3893 N91-31723
EVENSON, WILLIAM E.
Studying oxygen vacancies in ceramics by perturbed angular correlation spectroscopy
[DE91-005568] 10 p1502 N91-18266
EVERAARS, C. T. H.
BASIS: A data structure for adaptive multigrid computations
[CWI-NM-R9014] 17 p2836 N91-25675
EULER: An adaptive Euler code
[CWI-NM-R9015] 17 p2845 N91-25728
EVEREST, A. W.
Prototype instrumentation and design studies
[AD-A230707] 12 p1835 N91-20083
EVEREST, A. WALLACE, III
Prototype instrumentation and design studies
[AD-A211566] 01 p0044 N91-10264
EVERETT, H. R.
Modeling the environment of a mobile security robot
[AD-A233074] 16 p2676 N91-24809
EVERETT, LOUIS J.
Local sensory control of a dexterous end effector
[NASA-CR-187710] 09 p1344 N91-17386
EVERETT, R. A.
The growth of short cracks in 4340 steel and aluminum-lithium 2090 02 p0223 N91-11247
EVERETT, R. A., JR.
A comparison of fatigue life prediction methodologies for rotorcraft
[NASA-TM-102759] 07 p1020 N91-15604
Probabilistic fatigue methodology for six nines reliability
[NASA-TM-102757] 07 p1020 N91-15605
EVERETTS, CLARK
Hubble Space Telescope Design Engineering Knowledgebase (HSTDEK)
[NASA-CR-187838] 09 p1425 N91-17845
EVERITT, C. W. F.
Gradiometry coexperiments to the gravity probe B and step missions
[NASA-CR-187704] 05 p0681 N91-13788
EVERSTINE, GORDON C.
Finite element solution of transient fluid-structure interaction problems 12 p1912 N91-20517
EVERY, A. G.
The effect of microstructure on the thermal conductivity of ZnS/diamond composites
[AD-A231349] 13 p2163 N91-21928
EVES, JOHN W.
Water cooled static pressure probe
[NASA-CASE-LAR-14340-1-CU] 05 p0663 N91-13684
EVETTS, J. E.
Critical currents in sputtered YBCO films
[DE91-017976] 24 p4113 N91-32987
EVRARD, AUGUST E.
Clues to galaxy activity from rich cluster simulations
05 p0759 N91-14222
EVTEEV, B. F.
On error sources during airborne measurements of the ambient electric field 24 p4067 N91-32719
EWALD, R.
A high resolution atlas of Mg II profiles
09 p1437 N91-17916
EWART, LYNN M.
Ambient and elevated temperature fatigue crack growth in alumina 16 p2638 N91-24601
EWERBRING, MANGUS
An accurate product SVD (singular value decomposition) algorithm
[DE91-004448] 06 p0862 N91-14765
EWICK, D. W.
Feasibility of a laser-ignited HMX deflagration-to-detonation transition device for the US Navy LITES Program
[DE91-015210] 21 p3493 N91-29382
EWING-DEREMER, BARBARA
The 1989 summer study program in geophysical fluid dynamics: General circulation of the oceans
[AD-A225571] 03 p0393 N91-12186
EWING, ANDREW G.
In situ activation of carbon fiber microdisk electrodes
[AD-A229470] 22 p3666 N91-30411
EWING, P. D.
Simplified horn antenna parameter estimation using selective criteria
[DE91-007195] 10 p1515 N91-18344
A pocket-size broadband electric field detection and storage device
[DE91-007710] 11 p1708 N91-19406
Parameter correlation of impulse shapes using two-port synthesis
[DE91-009121] 14 p2260 N91-22505
EWING, RICHARD E.
Adaptive computations for partial differential equations governing advective fluid flows
[AD-A230179] 12 p1896 N91-20424
EWSUK, K. G.
Sintering maps for ceramic-filled-glass composites
[DE91-001229] 04 p0498 N91-12765
Effects of trapped gases on ceramic-filled-glass composite densification
[DE91-015850] 23 p3807 N91-31237
EXARHOS, G. J.
Raman studies of stress-induced phase transformation in titania films
[DE91-012871] 20 p3427 N91-29012
EXLEY, T.
Small Engine Component Technology (SECT) study. Program report
[NASA-CR-175077] 16 p2561 N91-24204
EXUM, THURMAN
Design and fabrication of the NASA HL-20 support cradle and interior mockup
[NASA-CR-188003] 12 p1832 N91-20065
EYAL, Y.
Multiple strike slip faults sets: A case study from the Dead Sea transform 06 p0845 N91-14669
EYBERT-BERARD, A.
Observations of bi-directional leader development in a triggered lightning flash 24 p4054 N91-32649
EYER, A.
Floating-zone growth of a silicon single crystal (TEXUS 7) 23 p3834 N91-31384
EYLER, J. R.
A glow discharge ion source with Fourier transform ion cyclotron resonance mass spectrometric detection
[AD-A235575] 19 p3123 N91-27255
Ionization potentials and reactivity of coinage metal clusters
[AD-A235573] 19 p3134 N91-27315
Formation of C10H8(+) from the benzene radical cation: A case for the growth of polycyclic aromatic hydrocarbon ions by Ion/Molecule reactions in the gas phase?
[AD-A235574] 19 p3138 N91-27338
EYLER, L. L.
Computer modeling of ceramic melters to assess impacts of process and design variables on performance
[DE91-013668] 20 p3328 N91-28431
EYLES, JOHN
Supercomputing power for interactive visualization
[AD-A236717] 19 p3230 N91-27858
EYLON, D.
An on-line computerized system for blood-flow measurements 15 p2498 N91-23834
EYMARD, LAURENCE
Energy exchange study at the ocean surface by satellite observation 15 p2454 N91-23597
ATSR: Precise sea surface temperature from the ERS-1 satellite 15 p2454 N91-23601
EYSSA, Y. M.
Magnetic suspension and balance system advanced study, phase 2
[NASA-CR-4327] 05 p0625 N91-13463
Magnetic suspension and balance system advanced study, 1989 design 13 p2036 N91-21197

Large gap magnetic suspension system
13 p2037 N91-21201

EZE, MOSES O. J.
Signature analysis technique for diagnosing failures in mechanical systems
20 p3358 N91-28604

EZHELA, V. V.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856

EZRA, DORON
A two phase algorithm for automatic classification of chromosomes
[ITN-90-85039] 07 p1034 N91-15675

EZRATY, R.
Wind and sea state local climatology by means of satellite radar altimeter measurements
15 p2454 N91-23599

EZZO, MAUREEN B.
Flight service evaluation of composite helicopter components
[NASA-CR-182063] 03 p0325 N91-11808

F

FABBIANO, GIUSEPPINA
The hot and cold interstellar matter of early type galaxies and their radio emission 05 p0736 N91-14112

FABBRI, A. G.
A digital data bank for geological exploration in the mining belt of the Pojuca (Carajas) Cu-Zn deposit, based on geological, geochemical, remote sensing, and elevation data
[INPE-5172-PRE/1641] 13 p2110 N91-21617

FABER, M.
Multi-component laser Doppler anemometers with high-frequency pulsed diode lasers
[ISL-CO-219/89] 03 p0371 N91-12077

FABER, V.
Inverse problems SVD and pseudo SVD
[DE91-005939] 09 p1391 N91-17655

FABES, B. D.
Processing of glass-ceramics from lunar resources
16 p2595 N91-24380
Refractory materials from lunar resources
17 p2901 N91-26025

FABIAN, A. C.
Stripping of gas and dust from the elliptical galaxy M86 05 p0748 N91-14171

FABIAN, P.
Proposed reference models for CO2 and halogenated hydrocarbons 19 p3190 N91-27639

FABISZAK, E.
Wear reduction in cutting tools: Tribological properties of hard coatings
[DE90-009705] 02 p0217 N91-11212

FABRE, JEAN-CHARLES
Intrusion and fault tolerance compatibility. Part 1: Fault protection, coding and tolerance state of the art
[LAAS-89-395] 23 p3882 N91-31662

FABRE, M.
European stakes and measures permitting the management of geometric dimensions
15 p2450 N91-23573

FABREGAT, J.
Possible very extended envelopes around red supergiants 09 p1436 N91-17912

FABUNMI, JAMES A.
Control of helicopter rotorblade aerodynamics
[NASA-CR-4350] 22 p3610 N91-30080

FACHON, JEAN-CHRISTOPHE
Preparing electronics quality for the next century
24 p4003 N91-32382

FACIUS, R.
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF
16 p2725 N91-25096

FADDOUL, JAMES R.
The NASA cryogenic fluid management technology program plan
[NASA-TM-105256] 24 p3967 N91-32161

FADEEVA, N. YE.
JPRS report: Science and technology. USSR: Electronics and electrical engineering
[JPRS-UEE-90-006] 01 p0037 N91-10214

FADEL, G. M.
Two Point Exponential Approximation Method for structural optimization of problems with frequency constraints
[NASA-CR-187800] 07 p1020 N91-15603

FAEGRI, KNUT, JR.
All-electron molecular Dirac-Hartree-Fock calculations: The group 4 tetrahydrides CH4, SiH4, GeH4, SnH4 and PbH4
[NASA-CR-187968] 10 p1496 N91-18237
Polyatomic molecular Dirac-Hartree-Fock calculations with Gaussian basis sets
[NASA-CR-187854] 10 p1591 N91-18772

FAEHL, R. J.
Predicted Bremsstrahlung generation by energetic electron beams
[DE91-007164] 11 p1797 N91-19858
High-current relativistic klystron amplifier development for microsecond pulse lengths
[DE91-011409] 17 p2771 N91-25332

FAELTHAMMAR, C.-G.
Dynamic trapping of electrons in the Porcupine ionospheric ion beam experiment
[TRITA-EPP-90-06] 22 p3757 N91-30942
An extension of the Boltzmann relation to collisionless magnetized plasmas
[TRITA-EPP-90-08] 22 p3757 N91-30944

FAELTHAMMAR, CARL-GUNNE
Electric fields in magnetosphere
[TRITA-EPP-89-06] 02 p0235 N91-11312
Dynamic trapping of electrons in space plasmas
[TRITA-EPP-89-07] 02 p0272 N91-11528
The plasma universe
[TRITA-EPP-89-08] 02 p0272 N91-11529

FAENGMARK, INGRID ELISABET
Sampling and characterization of aerosols
[LUNDD/TMAT-90/2002] 13 p2048 N91-21269

FAETH, G. M.
Turbulent premixed hydrogen/air flames
[AD-A235109] 18 p2950 N91-26278

FAGERQUIST, CLIFTON K.
The mixed metallic-ionic clusters of the silver/silver iodide
[AD-A237883] 21 p3482 N91-29314
The relative stability and possible structural formulae of the negatively charged silver monoiodide clusters
[AD-A238398] 21 p3576 N91-29888

FAGHRI, AMIR
Analysis of transient and start-up behavior of heat pipes and an energy storage module
[AD-A225659] 03 p0367 N91-12055

FAHEY, R. P.
C IV: Line profile correlations in NGC 4151
09 p1444 N91-17963

FAHLE, MANFRED
Limits of precision for human eye motor control
[AD-A225515] 03 p0396 N91-12203

FAHLEN, PER
Laboratory testing of heat pumps: Experience 1984 - 1986
[PB91-135194] 14 p2281 N91-22615

FAHY, F. J.
The prediction and measurement of the one-parameter behaviour of horns
[ISVR-TR-185] 05 p0712 N91-13974
A low cost end-fire acoustic radiator
[ISVR-TR-188] 08 p1218 N91-16705

FAIGLE, U.
Some order dimension bounds for communication complexity problems
[MEMO-839] 04 p0574 N91-13192
On learnability of monotone DNF functions under uniform distribution
[MEMO-863] 04 p0575 N91-13196
A cutting-plane approach to the edge-weighted maximal clique problem
[MATHS-MEMO-874] 10 p1572 N91-18644
Computational complexity of some maximum average weight problems with precedence constraints
[MATHS-MEMO-899] 10 p1581 N91-18707
Some order dimension bounds for communication complexity problems
[MEMO-938] 23 p3854 N91-31489

FAILLOT, J. L.
Modelling and control of flexible manipulators
[ETN-91-98398] 07 p1010 N91-15547

FAILOR, B. H.
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946

FAIN, D. E.
Development of inorganic membranes for gas separation
[DE91-000726] 07 p0975 N91-15350
Development of ceramic membranes for gas separation: FY 1990 development activities
[DE91-015915] 23 p3818 N91-31300

FAINSHTEIN, V. G.
Influence of the parameter distribution of the solar wind near the Sun upon its structure at the Earth's orbit
06 p0924 N91-15108

FAIRALL, C. W.
Model of gravity-wave-induced variability and turbulence in the stratified free atmosphere
[PB90-235482] 01 p0069 N91-10413
Estimating integrated cloud liquid water from extended time observations of solar irradiance
01 p0086 N91-10510
Interpretation of combined wind profiler and aircraft-measured tropospheric winds and clear air turbulence
[NASA-CR-187785] 09 p1366 N91-17509
The measurement of air-sea fluxes
[AD-A228511] 09 p1367 N91-17514
Diurnal and annual variations in mean profiles of Cn2
[PB91-181719] 19 p3187 N91-27624

FAIRALL, CHRISTOPHER W.
Cloud and boundary layer structure over San Nicolas Island during FIRE 01 p0087 N91-10515
Winds and turbulence above San Nicolas Island during FIRE 01 p0089 N91-10522

FAIRBANK, W. M., JR.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264

FAIRCHILD, P. D.
Meetings to share advancements in heat pump technologies
[DE90-010008] 08 p1137 N91-16257

FAIRCHILD, STEVEN B.
An expert system for the identification of silicon impurities using FTIR spectroscopy
[AD-A236504] 23 p3809 N91-31246

FAIRFIELD, D. H.
The 1983 tail-era data series. Volume 4: GOES 5 and GOES 6 geosynchronous magnetic field data
[NASA-TM-105040] 22 p3773 N91-31044
The 1983 tail-era data series. Volume 3: Geosynchronous particle measurements
[NASA-TM-105038] 22 p3774 N91-31045
The 1983 tail-era data series. Volume 2: ISEE 3 magnetic field
[NASA-TM-105049] 22 p3774 N91-31046
The 1983 tail-era series. Volume 1: ISEE 3 plasma
[NASA-TM-105048-VOL-1] 22 p3774 N91-31047
PROMIS series. Volume 8: Midlatitude ground magnetograms
[NASA-TM-105048-VOL-8] 22 p3774 N91-31048
PROMIS series. Volume 7: GOES 5 and GOES 6 geosynchronous magnetic field data for March - June 1986
[NASA-TM-105072] 22 p3774 N91-31049

FAIRHEAD, A. C.
Analysis of the performance of a single-auxiliary sidelobe canceller
[RSRE-MEMO-4375] 08 p1127 N91-16193
Implications of adaptive cancellation array processing for design of a space-based surveillance radar
[RSRE-MEMO-4410] 15 p2413 N91-23364

FAIRLIE, D. B.
Some aspects of quantum groups and supergroups
[DE90-777884] 08 p1212 N91-16671
Quantized planes and multiparameter deformations of Heisenberg and GL(N) algebras
[DE91-012481] 20 p3391 N91-28793

FAIRLIE, GREGORY W.
Donning times and flotation characteristics of infant life preservers: Four representative types
[AD-A237120] 21 p3453 N91-29153

FAIRMAN, TERRY M.
Acoustic tests on a new motor generator system for the Minuteman launch control centers at Alpha 01 and Sierra 00, Malmstrom AFB, Montana
[AD-A237944] 21 p3536 N91-29648

FAIZOV, E. L.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058

FAKHFAKH, JAMEL
Vibrational control: Application to a laser-illuminated reaction and extension to nonlinear functional differential equations 22 p3684 N91-30516

FALABELLA, S.
Plasma transport in a new cathodic arc ion source, theory and experiment
[DE91-011511] 20 p3416 N91-28944

FALCO, B.
Study of flow properties of wet solids using laser induced photo chemical anemometry
[DE91-016877] 24 p4016 N91-32454

FALCO, CHARLES M.
X ray optics research
[AD-A228940] 09 p1399 N91-17699

FALCO, J. A.
AMRF composites fabrication workstation: A test methodology to measure the quality of thermoplastic composite parts
[PB91-187765] 19 p3121 N91-27245
FALCO, R. E.
Laser Fourier densitometry and laser induced photochemical anemometry in supersonic flow
[AAAF-NT-89-09] 23 p3785 N91-31103
FALCONE, A.
Advanced thermoplastic resins, phase 2
[NASA-CR-187548] 24 p3979 N91-32231
FALCONE, R. W.
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
Plasma x ray focusing studies
[DE91-011446] 17 p2869 N91-25869
FALCONER, ETTA Z.
The women in science and engineering scholars program 19 p3272 N91-28100
FALCONER, J.
Current meter records. Site F: 52 degrees 37 minutes N, 03 degrees 46 minutes E. August 1988 - September 1989. North Sea project
[REPT-11-1990] 17 p2816 N91-25561
Current meter records. Site E: 52 degrees 43 minutes N, 02 degrees 25 minutes E. August 1988 - September 1989. North Sea project
[REPT-12-1990] 17 p2816 N91-25562
Current meter records. Site B: 55 degrees 30 minutes N, 05 degrees 31 minutes E. August 1988 - September 1989. North Sea project
[REPT-13-1990] 17 p2816 N91-25563
FALES, J. L.
Evaluation of NASHUA/NASTRAN performance at Los Alamos
[DE91-011196] 17 p2860 N91-25816
FALES, JANINE L.
Computer animation of NASTRAN displacements on IRIS 4D-series workstations: CANDI/ANIMATE postprocessing of NASHUA results 12 p1912 N91-20514
Computer animation of NASTRAN displacements on IRIS 4D-series workstations: CANDI/ANIMATE postprocessing of NASHUA results
[DE91-008605] 13 p2105 N91-21585
FALGARONE, E.
Small scale variations of abundances of transiently heated grains in molecular clouds 06 p0892 N91-14927
FALGARONE, EDITH
The stucture of molecular clouds: New questions 13 p2175 N91-22011
FALK, TINE
Benchmarking text understanding systems to human performance: An exploration
[AD-A233306] 16 p2664 N91-24741
FALK, URBAN
Accurate and reliable computation of complete solutions to the equations of linear elastomechanics on three-dimensional domains: Computation of edge stress intensity functions
[FFA-TN-1989-12] 05 p0678 N91-13769
Accurate and reliable determination of edge and vertex stress intensity factors in three-dimensional elastomechanics
[FFA-TN-1990-28] 05 p0678 N91-13771
FALL, S. MICHAEL
Theory and laboratory astrophysics 24 p4120 N91-33025
FALLESEN, JON J.
Human-computer interaction in tactical operations: Designing for effective human-computer dialogue
[AD-A230069] 12 p1932 N91-20632
FALLETTI, G.
Combined thermal vacuum/thermal balance test on tethered satellite flight unit 07 p0954 N91-15242
FALLS, M. J.
Attenuation statistics derived from emission measurements by a network of ground-based microwave radiometers 03 p0352 N91-11963
FALSETTI, CHRISTINE M.
Customer requirements process 18 p3078 N91-27012
FAM, ADLY T.
High speed signal processing concepts
[AD-A227911] 09 p1390 N91-17647
FAMINI, G. R.
Theoretical prediction of vibrational infrared frequencies of tertiary amines
[AD-A232680] 15 p2399 N91-23288
Predicting polymer properties by computational methods. Part 1: Polyvinyl chloride and its homologs
[AD-A235434] 19 p3137 N91-27333
FAN, BAO-HUA
Evaluations of some scheduling algorithms for hard real-time systems
[AD-A226930] 06 p0861 N91-14755
FAN, DAH-NIEN
The 1989 NASA-ASEE Summer Faculty Fellowship Program in Aeronautics and Research
[NASA-CR-188174] 17 p2877 N91-25914
FAN, HONG BO
The response of MOV and SiC arresters to steep-front longer duration current pulses
[DE90-008572] 09 p1325 N91-17275
FAN, HUI
On the foundations of beam theory 03 p0376 N91-12101
FAN, Q.
A 1.5 to 4 kelvin detachable cold-sample transfer system: Application to inertially confined fusion with spin-polarized hydrogens fuels
[DE91-007763] 12 p1974 N91-20862
FAN, ROBERT
Development of fiber-based laser anemometer for SSME application 16 p2584 N91-24322
FAN, TSO Y.
Cladding for transverse-pumped solid-state laser
[NASA-CASE-NPO-17355-1-CU] 09 p1340 N91-17360
FAN, XUDONG
Fractal analysis of crystalline surfaces at atomic resolution
[DE91-617803] 16 p2696 N91-24927
FANALE, F.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
FANCONI, B. M.
Polymers: Technical activities, 1990
[PB91-159715] 17 p2763 N91-25297
FANELLI, MICHAEL N.
Aspects of the interstellar medium in starburst galaxies 05 p0756 N91-14209
FANG, JAMES J.
Control of chamber heat flux by injector design 16 p2570 N91-24245
FANG, JISHENG
Compressible flows with vortical disturbances around a cascade of airfoils 24 p3951 N91-32083
FANG, KAI-TAI
Theory and applications of elliptically contoured and related distributions
[AD-A230672] 12 p1971 N91-20846
FANG, T.
Design considerations for multi component molecular-polymeric nonlinear optical materials
[DE91-006778] 11 p1799 N91-19872
FANG, WAI-CHI
Pipeline synthetic aperture radar data compression utilizing systolic binary tree-searched architecture for vector quantization
[NASA-CASE-NPO-17941-1-CU] 05 p0648 N91-13595
FANG, XIAN-JIN
Surface albedo and global radiation over East Asia from data of the geostationary satellite GMS
[MITT-72] 04 p0546 N91-13028
FANG, Y.
An ion-channeling study of irradiation-induced amorphization of YBa2Cu3O(7-x)
[DE91-004488] 06 p0884 N91-14884
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989
FANNING, F. J.
An evaluation of an Ada implementation of the Rete algorithm for embedded flight processors
[AD-A230443] 12 p1834 N91-20082
FANT, K. S.
High gradient electron guns
[DE91-000056] 06 p0790 N91-14369
FANTASIA, PETER M.
Alignment positioning mechanism
[NASA-CASE-MSC-21502-1] 13 p2097 N91-21543
FANTIN, D. M.
Biophysical and genetic aspects of light-potentiated gravitropic curvature in the maize primary root
[DE91-016255] 24 p4072 N91-32749
FAORO, J. E.
Development of a test system and experimental method for in-plane biaxial compressive deformation and failure of fiber composite materials
[AD-A234062] 18 p2940 N91-26214
FARABAUGH, EDWARD N.
Spatially and spectrally resolved cathodoluminescence of hot-filament chemical-vapor-deposited diamond particles
[AD-A236485] 19 p3142 N91-27364
Effects of multiple filament geometry in the hot filament deposition of diamond films
[AD-A236708] 19 p3142 N91-27365
FARAG, ALY A.
A stochastic modeling approach to region- and edge-based image segmentation 09 p1328 N91-17298
FARAGGIANA, R.
Abundances in chemically peculiar and normal A-type stars 09 p1429 N91-17866
The lambda Boo stars 09 p1435 N91-17906
FARAGO, TIBOR
Extremes and design values in climatology
[WCAP-14] 22 p3710 N91-30650
FARAH, MARTHA J.
The functional architecture of visual object recognition
[AD-A238617] 21 p3551 N91-29732
FARBER, R. M.
A parallel non-neural trigger tracker for the SSC
[DE91-008594] 19 p3243 N91-27938
FARBRIDGE, J. E.
The development of very thick multi-foil wings for high speed, powered lift transport aircraft applications 10 p1466 N91-18082
FARBRIDGE, JOSEPH E.
Segmented vectoring cruise nozzles
[CA-PATENT-APPL-SN-2-009-635] 23 p3796 N91-31175
Ventral segmented nozzles
[CA-PATENT-APPL-SN-2-009-636] 23 p3796 N91-31176
FARBRY, JOHN E., JR.
Design methodology for a community response questionnaire on sonic boom exposure
[NASA-CR-187503] 14 p2323 N91-22830
FARE, JEAN-CHRISTOPHER
Supersonic vortex flows around a missile body: Basic experiment and Euler numerical computation 06 p0774 N91-14291
FARENBRUCH, A. L.
Ion-assisted doping of 2-6 compounds during physical vapor deposition
[DE90-000358] 01 p0128 N91-10756
FARGE, MARIE
Choice representation modes and color palettes
[AAAF-NT-89-17] 23 p3870 N91-31589
FARGUES, MONIQUE P.
Bounds on the extreme generalized Eigenvalues of Hermitian pencils
[AD-A233517] 16 p2679 N91-24831
FARHAT, C.
Computational methods and software systems for dynamics and control of large space structures
[NASA-CR-187669] 05 p0628 N91-13480
FARHAT, N. H.
Smart sensing and recognition based on models of neural networks
[AD-A230701] 12 p1967 N91-20825
FARHI, L. E.
Gravitational force and the cardiovascular system 17 p2819 N91-25579
FARHI, LEON E.
Exposure to stressful environments: Strategy of adaptive responses 17 p2818 N91-25575
FARHOOMAND, JAM
Performance of multiplexed Ge:Ga detector arrays in the far infrared
[NASA-TM-102275] 05 p0732 N91-14087
FARIES, JEREMIAH M.
BATBook: An outline book and problem solving environment for the study of skill acquisition
[AD-A225699] 04 p0561 N91-13114
FARIS, GREGORY W.
Multiphoton detection techniques for F and F2
[AD-A232641] 15 p2399 N91-23286
FARIS, WILLIAM G.
Probabilistic analysis of neural networks
[AD-A230165] 12 p1964 N91-20808
FARKAS, D.
The stability of irradiation-induced defects in Ni3Al
[DE91-005514] 10 p1605 N91-18856
FARKAS, GY.
High brightness electron beam production by laser induced various order multiphoton photoeffects of gold
[DE91-009150] 13 p2092 N91-21514
FARKAS, Z. D.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
SLED II: A new method of RF pulse compression
[DE91-000058] 08 p1125 N91-16183

FARKASH, M.
Particulate ceramic matrix composites for high strain-rate performance
[AD-A229364] 22 p3642 N91-30269
FARLEY, RICHARD D.
A cloud, precipitation and electrification modeling effort for COHMEX
[NASA-CR-188679] 19 p3204 N91-27711
FARMANESH, SAM
Total-dose radiation effects data for semiconductor devices (1989 supplement)
[NASA-CR-187431] 05 p0725 N91-14049
FARMER, DOYNE
Application of nonlinear time series models to driven systems
[DE91-005949] 10 p1586 N91-18743
FARMER, ERIC
Human Performance Assessment Methods. Addendum
[AGARD-AG-308-ADD] 15 p2476 N91-23711
FARMER, FRANKLIN H.
A semi-automated process for the production of custom-made shoes 14 p2359 N91-23051
FARMER, J. D.
Spontaneous emergence of a metabolism
[DE91-013684] 20 p3378 N91-28714
Nonlinear modeling of chaotic time series: Theory and applications
[DE91-013076] 20 p3435 N91-29055
FARMER, JEFFERY T.
Thermal-distortion analysis of a spacecraft box truss in geostationary orbit
[NASA-TP-3054] 02 p0186 N91-11041
On-orbit structural dynamic performance of a 15-meter microwave radiometer antenna
[NASA-TP-3041] 09 p1296 N91-17114
FARMER, MOSES G.
Transonic shock-induced dynamics of a flexible wing with a thick circular-arc airfoil
[NASA-TM-104088] 20 p3279 N91-28132
Experimental flutter boundaries with unsteady pressure distributions for the NACA 0012 Benchmark Model
[NASA-TM-104072] 20 p3280 N91-28137
FARMER, SERENE C.
Sliding wear of self-mated Al2O3-SiC whisker reinforced composites at 23-1200 C
[NASA-TM-104490] 19 p3117 N91-27221
FARNSWORTH, A. V., JR.
Numerical and analytical analysis of thin laser-driven flyer plates
[DE91-013748] 20 p3352 N91-28567
FAROKHI, SAEED
The effects of streamline curvature and swirl on turbulent flows in curved ducts
[NASA-CR-187759] 07 p1003 N91-15506
A study of three dimensional turbulent boundary layer separation and vortex flow control using the reduced Navier Stokes equations
[NASA-TM-104407] 15 p2365 N91-23089
FARQUHAR, ROBERT W.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
FARR, J. D.
The physical and chemical state of Westinghouse Phosphoric Acid Fuel Cell assemblies after long term operation: Surface and near-surface analysis
[DE90-015055] 01 p0063 N91-10382
Characteristics of oxide layer grown on gallium arsenide using 2.8 eV translational energy atomic oxygen
[DE91-004865] 07 p1073 N91-15908
FARR, THOMAS T.
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594
FARRAND, TIMOTHY G.
A database storage system and the sonic digitizer method for radiographic data reduction used by the penetration mechanics branch
[AD-A224800] 03 p0427 N91-12393
FARRAR, BETH
Invariant target recognition using self-organizing networks
[AD-A238252] 21 p3563 N91-29807
FARRAR, L. C.
MHD channel gas-side element erosion-corrosion studies
[DE91-008561] 15 p2511 N91-23911
FARRARA, R. A.
The effect of phosphate coatings on fatigue crack initiation in quenched and tempered low alloy steel
[MRL-TR-90-14] 07 p0980 N91-15380
FARRARA, RICHARD
The effect of manganese phosphate coatings on fatigue crack initiation
[AD-A224931] 03 p0381 N91-12124
FARRELL, DAVID E.
The series Bi2Sr2Ca(n-1) Cu(n)O(2n+4) (1 less than or equal to n less than or equal to 5): Phase stability and superconducting properties
[NASA-TM-103749] 13 p2160 N91-21910
FARRELL, J.
IGES efficiency evaluation
[DE90-015192] 02 p0254 N91-11409
FARRELL, MICHAEL
TRENDS '90: A compendium of data on global change
[DE91-000587] 07 p1026 N91-15632
FARRELL, P.
Supercritical microgravity droplet vaporization 13 p2062 N91-21354
FARRELL, P. A.
Flight flutter test techniques at ARL
[AD-A227754] 07 p0945 N91-15178
Use of photogrammetry to measure a plate vibration mode
[AD-A227753] 07 p1015 N91-15572
Vibration of a rectangular cantilever plate
[AD-A227755] 07 p1015 N91-15573
FARRELL, P. V.
Particle sizing using a two-dimensional image
[AD-A234074] 19 p3173 N91-27542
FARRELL, R.
Performance evaluation of new large-area avalanche photodiodes for scintillation spectroscopy
[DE91-017400] 24 p4007 N91-32405
FARRELL, W. E.
Intelligent array system
[AD-A231107] 13 p2142 N91-21792
FARREN, J.
Total dose characterization of new components for the ESA radiation effects database 24 p4000 N91-32362
FARRENKOPF, G.
Modeling, simulation, and control of an extraterrestrial oxygen production plant 16 p2597 N91-24389
FARRIS, MICHELLE
Spectroscopic analyses and performance of copper/zinc impregnated, activated carbons
[AD-A231693] 14 p2239 N91-22387
FARROW, ALLAN
Preliminary investigation of thin film polymers exposed to low Earth orbit 16 p2714 N91-25020
FARROW, I. R.
Damage accumulation and degradation of composite laminates under aircraft service loading: Assessment and prediction, volumes 1 and 2 14 p2238 N91-22381
FARSAIE, ALI
Invariant target recognition using self-organizing networks
[AD-A238252] 21 p3563 N91-29807
FARWANA, VIDA
C-staüstic fitting routines: User's manual and reference guide
[NASA-CR-187992] 11 p1775 N91-19736
FARWELL, ROBERT W.
High-frequency acoustic scattering
[AD-A230880] 13 p2148 N91-21836
FARWIG, REINHARD
The stationary exterior three dimensional Navier-Stokes problem of viscous flow past a body in anisotropically weighted Sobolev spaces
[REPT-110] 08 p1147 N91-16314
FASANELLA, EDWIN L.
Determination of the flight hardware configuration of an energy absorbing attenuator for the proposed Space Station crew and equipment translation aid cart
[NASA-TP-3084] 13 p2099 N91-21556
FASANO, G.
Hidden interaction in SBO galaxies 08 p1249 N91-16880
FASEL, HERMANN F.
Numerical simulation of nonlinear receptivity in boundary layer transition
[AD-A230219] 12 p1896 N91-20425
FASSBENDER, C.
Psychological selection of astronauts: Recent developments at the DLR testing centre in Hamburg (Fed. Republic of Germany) 15 p2449 N91-23565
FASSBENDER, L. L.
Catalysis-by-design impacts assessment
[DE91-013280] 23 p3809 N91-31247
FAST, JONATHAN C.
The Integrated Decision Modeling System (IDMS) user's manual
[AD-A236033] 22 p3726 N91-30736
FATEMI, N.
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion 22 p3631 N91-30206
FATEMI, NAVID S.
An x ray photoelectron spectroscopy study of Au(x)In(y) alloys
[NASA-TM-103659] 05 p0725 N91-14050
Semiconductor structural damage attendant to contact formation in III-V solar cells 11 p1670 N91-19203
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates 11 p1671 N91-19209
Improvements in contact resistivity and thermal stability of Au-contacted InP solar cells 22 p3632 N91-30207
Grooved surfaces on InP 22 p3632 N91-30208
FATYGA, B. W.
Supercoherent states and physical systems
[DE91-014598] 21 p3602 N91-30040
FAUBERT, D.
A Doppler bin blanking CFAR processor for airborne radars
[AD-A237890] 21 p3499 N91-29418
FAUBERT, DENIS
An investigation of CFAR techniques for airborne radars
[AD-A232724] 15 p2415 N91-23378
FAUCHERRE, M.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
FAULDER, D. D.
Conceptual geologic model and native state model of the Roosevelt Hot Springs hydrothermal system
[DE91-010056] 17 p2804 N91-25503
FAULKNER, ALAN
I'm all 'light' Jack
[MBB-UD-0576-90-PUB] 11 p1651 N91-19101
FAULKNER, DANNY REED
Violet and visual flux problems in red giant stars 02 p0291 N91-11632
FAULKNER, DENNIS ALLEN
Remote sensing of turbulence using Doppler lidar and radar techniques 09 p1354 N91-17436
FAULKNER, J. S.
Requirements for the observation of Fermi surfaces in disordered alloys
[DE91-014578] 21 p3483 N91-29321
Theoretical studies of metallic alloys
[DE91-016486] 23 p3815 N91-31281
FAUPEL, MICHEL
Protein purification in multicompartment electrolyzers for crystal growth of r-DNA products in microgravity 11 p1757 N91-19665
FAUR, M.
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion 22 p3631 N91-30206
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion 22 p3631 N91-30206
Effect of dislocations on properties of heteroepitaxial InP solar cells 22 p3632 N91-30209
FAUR, MARIA
Investigation of anodic and chemical oxides grown on p-type InP with applications to surface passivation for n(+)-p solar cell fabrication 11 p1671 N91-19208
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates 11 p1671 N91-19209
High resolution electrolyte for thinning InP by anodic dissolution and its applications to EC-V profiling, defect revealing and surface passivation 22 p3632 N91-30210
FAUR, MIRCEA
Investigation of anodic and chemical oxides grown on p-type InP with applications to surface passivation for n(+)-p solar cell fabrication 11 p1671 N91-19208
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates 11 p1671 N91-19209
High resolution electrolyte for thinning InP by anodic dissolution and its applications to EC-V profiling, defect revealing and surface passivation 22 p3632 N91-30210
FAURE, CECILE
Interconnection of computer networks and integrated services digital networks: Modelization and verification of architectures of communication
[LAAS-90344] 10 p1576 N91-18672
FAURE, F.
Electromagnetic topology: Characterization of internal electromagnetic coupling 24 p4063 N91-32699

FAURIE, JEAN-PIERRE
Evaluation of the feasibility and the cost of HgCdTe epitaxial layers grown by molecular beam epitaxy on CdTe, CdZnTe, and GaAs substrates
[AD-A238602] 22 p3760 N91-30958
FAUST, ROBERT B.
Tables of confidence limits for proportions
[AD-A230079] 12 p1972 N91-20852
FAVALLI, L.
On the application of temporal logic in real time to specify telecommunication protocols
[REPT-90-071] 23 p3913 N91-31846
The problem of network management: An approach using AI techniques
[REPT-90-072] 23 p3918 N91-31884
FAVIER, J. J.
Directional solidification of eutectics (TEXUS 6)
23 p3838 N91-31404
FAWCETT, W. R.
Solvent effects on simple electron transfer reactions. A comparison of results in Debye and non-Debye solvents
[AD-A237157] 21 p3574 N91-29875
Role of the solvent in kinetics of heterogeneous electron and ion transfer reactions
[AD-A237168] 21 p3574 N91-29876
Discreteness-of-solvent effects in Marcus equations in the mean spherical approximation
[AD-A237133] 21 p3594 N91-29996
FAWCETT, W. RONALD
The adsorption of bromide ion at mercury from propylene carbonate solutions of constant ionic strength
[AD-A237020] 19 p3128 N91-27281
FAWLEY, W. M.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
High order calculation of the multipole content of three dimensional electrostatic geometries
[DE91-014707] 20 p3336 N91-28476
FAYER, M. D.
Energy transfer processes in solar energy conversion
[DE91-016102] 23 p3889 N91-31704
FAYMON, KARL A.
Power technologies and the space future
[NASA-TM-103649] 13 p2043 N91-21240
FAYMONVILLE, RUDOLF
Performance tests on Ge:Ga and Ge:Be detectors for the ISO long wavelength spectrometer
13 p2180 N91-22045
FAZIO, G. G.
The submillimeter wave astronomy satellite
13 p2177 N91-22025
FAZIO, GIOVANNI G.
A balloon-borne 102-cm telescope for far-infrared astronomy
[NASA-CR-187778] 11 p1816 N91-19973
FAZIO, M. V.
High-current relativistic klystron amplifier development for microsecond pulse lengths
[DE91-011409] 17 p2771 N91-25332
FAZZOLARE, R. A.
Energy management study for lunar oxygen production 17 p2750 N91-25216
FAZZOLARI, R.
Innovative techniques for the production of energetic radicals for lunar materials processing including photogeneration via concentrated solar energy
17 p2752 N91-25233
Energy management analysis of lunar oxygen production 17 p2754 N91-25245
FEAGIN, TERRY
RICIS research 10 p1567 N91-18618
An overview of the artificial intelligence and expert systems component of RICIS 10 p1568 N91-18619
FEARCY, B. L.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264
FEAREY, B. L.
High efficiency resonance ionization mass spectrometric analysis by external laser cavity enhancement techniques
[DE91-007494] 12 p1867 N91-20259
FEARN, D. G.
Ion engine development at the Royal Aircraft Establishment, Farnborough
[RAE-TR-71102] 19 p3113 N91-27202
FEATHERBY, M.
Parabolic dish photovoltaic concentrator development
[DE91-016868] 23 p3891 N91-31714
FEBER, R. C.
Kinetics of dark reaction in chemical laser gases
[DE91-015320] 21 p3525 N91-29579
FECHT, B. A.
Robotic mannequin technology for enhanced product testing
[DE91-013787] 20 p3356 N91-28591
FECHT, HANS J.
Thermodynamic properties and crystallization kinetics at high liquid undercooling 13 p2060 N91-21343
FECKER, K.
Electrostatic positioning for containerless processing of a Li-silicate glass (TEXUS 10) ESA
23 p3851 N91-31469
FEDDEMA, J. T.
Techniques for controlling a two-link flexible arm
[DE91-004818] 07 p1012 N91-15555
Minimum-time trajectory control of a two-link flexible robotic manipulator
[DE91-001261] 11 p1716 N91-19448
FEDDERS, P. A.
Structure of amorphous-silicon and germanium alloy films
[DE90-000355] 02 p0277 N91-11557
Structure of amorphous silicon and germanium alloy films
[DE91-002191] 22 p3760 N91-30959
FEDERER, J. I.
Corrosion behavior of continuous-filament-wound ceramic composite tubes
[DE91-014959] 21 p3491 N91-29370
FEDERMAN, S. R.
A comparison of UV surface brightness and HI surface densities for spiral galaxies 05 p0734 N91-14102
FEDERSCHMIDT, CLEMENS
Theory and procedure of the hierarchical design rule checking of integrated circuits
[ETN-91-98173] 05 p0653 N91-13627
FEDI, F.
A possible architecture of a distributed hard real-time executive for space applications
14 p2215 N91-22242
FEDORCHAK, SCOTT A.
Characterization of a sub-picosecond dye laser for the study of atom-perturber collisions
[AD-A238099] 21 p3524 N91-29572
FEDOROV, A. O.
The possibility of making fast measurements of ion distribution functions 01 p0072 N91-10438
FEDOROV, B. M.
Stress and human circulation
10 p1562 N91-18592
FEDOTOV, V.
Small Space Lab as a basic spacecraft of Regatta project 01 p0070 N91-10423
FEDOTOV, V. K.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
FEDRO, A. J.
Dynamics of strong-coupling models for cuprate superconductors: Exact results on finite lattices
[DE90-011155] 08 p1233 N91-16796
Mean field analysis of the CuO2 lattice: Comparison to Monte Carlo simulations
[DE91-015570] 23 p3931 N91-31968
Cu-O charge fluctuations and electron-phonon coupling in the effective single-band Hubbard theory for cuprate superconductors
[DE91-016526] 23 p3932 N91-31976
FEDUTENKO, E. A.
Nonlinear surface MHD waves in the inhomogeneous plasma with cusp-resonance in upper solar atmosphere
06 p0916 N91-15052
FEENSTRA, R.
Ac susceptibility of superconductive thin films
[DE91-015273] 21 p3594 N91-29993
Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015632] 23 p3931 N91-31969
Evidence for cation disorder in in-situ grown YBaCuO superconducting films
[DE91-016760] 24 p4110 N91-32971
FEESS, W. A.
GPS composite clock software performance
17 p2858 N91-25801
FEGLEY, B., JR.
He-3 and other lunar volatiles
17 p2905 N91-26046
FEHLING, D. T.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
FEHSENFELD, F. C.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
FEICKERT, CARL A.
Selective screening of high temperature superconductors by resonant eddy current analysis
[AD-A230194] 12 p1987 N91-20936
FEIEREISEN, WILLIAM J.
Progress in computing nozzle/plume flow fields
02 p0149 N91-10872
FEIG, H.-F.
Design considerations based upon low temperature starting tests on military aircraft turbo engines
23 p3793 N91-31157
FEIGELMAN, M. V.
Low temperature flux creep in high-T(sub c) superconductors
[DE91-015193] 21 p3593 N91-29988
FEIGELMAN, MICHAIL V.
Flux dynamics in high-Tc superconductors
[DE91-017977] 24 p4113 N91-32988
FEIGELSON, ERIC D.
Far infrared luminosity functions of normal galaxies
05 p0741 N91-14135
PAH formation in carbon-rich circumstellar envelopes
06 p0908 N91-15015
FEIGENBAUM, EDWARD A.
Expert systems on multiprocessor architectures. Volume 1: Summary
[AD-A238046] 21 p3560 N91-29786
Expert systems on multiprocessor architectures. Volume 2: Technical reports
[AD-A238047] 21 p3560 N91-29787
Expert systems on multiprocessor architectures, volume 3
[AD-A238048] 21 p3560 N91-29788
Expert systems on multiprocessor architectures, volume 4
[AD-A238049] 21 p3560 N91-29789
FEIGENBAUM, IRWIN
Reliability and quality EEE parts issues
09 p1279 N91-17028
FEIGHNER, M. A.
A gravity model for the Coso geothermal area, California
[DE91-011874] 20 p3371 N91-28677
FEIKEMA, DOUGLAS ALAN
Combustion stability limits and planar imaging of swirl-stabilized flames 21 p3473 N91-29262
FEILD, C.
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
FEILER, CHARLES E.
Institute for Computational Mechanics in Propulsion (ICOMP)
[NASA-TM-103790] 16 p2677 N91-24818
FEILER, JOHN F.
The establishment of a management information systems research center at the Naval Postgraduate School
[AD-A226517] 04 p0606 N91-13375
FEILER, PETER H.
Transaction-oriented configuration management: A case study
[AD-A235510] 19 p3218 N91-27788
Tool version management technology: A case study
[AD-A235639] 19 p3219 N91-27792
Configuration management models in commercial environments
[AD-A235782] 19 p3222 N91-27812
FEINBERG, D.
CO2 sources for microalgae-based liquid fuel production
[DE90-000367] 04 p0511 N91-12839
FEINGOLD, GRAHAM
On the evolution of raindrop spectra and their effect on the atmosphere below cloud base: Numerical models and comparisons with observations
[ITN-91-85113] 18 p3015 N91-26652
FEINSOD, M.
Cerebral-body perfusion model
[AD-A227851] 07 p1036 N91-15683
FEINSTEIN, J.
A high power cross-field amplifier at X-Band
[DE91-013277] 21 p3503 N91-29441
FEISSEL, MARTINE
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
FEIT, M. D.
Coherent x ray lasers for applications
[DE91-006257] 10 p1528 N91-18416
FEJER, JULES A.
The production and modification of ionospheric irregularities by powerful HF radio transmissions
[AD-A230766] 12 p1888 N91-20381

FELBECK, DAVID K.
High-toughness graphite/epoxy composite material experiment 16 p2719 N91-25052
FELCH, K.
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592
FELCHER, G. P.
Interdiffusion at the bilayer polymer interface: Evidence for reptation
[DE91-004405] 10 p1504 N91-18276
Applications of neutron reflectivity: Polymers and magnetism
[DE91-010759] 17 p2762 N91-25293
Inverse problem in neutron reflection
[DE91-014457] 21 p3593 N91-29984
FELDBERG, R.
Information dynamics of self-programmable matter
[DE91-009954] 15 p2482 N91-23740
FELDBERG, S. W.
Fast quasi-explicit finite difference simulation of electrochemical responses initiated by a discontinuous perturbation
[DE91-006917] 13 p2049 N91-21271
FELDMAN, A.
US assessment of the new diamond technology in Japan
[PB91-167395] 20 p3324 N91-28404
FELDMAN, ALBERT
Spatially and spectrally resolved cathodoluminescence of hot-filament chemical-vapor-deposited diamond particles
[AD-A236485] 19 p3142 N91-27364
Effects of multiple filament geometry in the hot filament deposition of diamond films
[AD-A236708] 19 p3142 N91-27365
Critical assessment of optical properties of CVD diamond films
[AD-A236746] 19 p3246 N91-27954
FELDMAN, CLARENCE G.
Activity and information modeling methodology assessment
[AD-A236234] 22 p3766 N91-30992
FELDMAN, D. W.
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
FELDMAN, DAVID L.
International decision making and global climate change: Lessons of prior resource management efforts for consensus building
[DE90-010714] 08 p1172 N91-16454
FELDMAN, DAVID LEWIS
Democratic theory, science, and decision making in global climate change: Culpability, uncertainty, and fairness
[DE90-017316] 02 p0234 N91-11308
FELDMAN, E. E.
Plastic analysis of a circular rod subjected to sinusoidal thermal cycling
[DE91-011845] 20 p3359 N91-28609
FELDMAN, M.
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
FELDMAN, MARC J.
SIS mixer research
[AD-A230167] 12 p1987 N91-20935
FELDMAN, P. D.
Observations of the diffuse UV radiation field
06 p0889 N91-14912
Rocket observations of the ultraviolet spectrum of comet Austin (1989c1) 12 p2003 N91-21023
IUE observations of comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko 12 p2003 N91-21024
IUE observations of comet Austin (1989c1)
12 p2003 N91-21025
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012
FELDMAN, R.
Improved quality acceptance procedure for interlaminar shear strength
[IAITIC-87-1005] 15 p2392 N91-23238
FELDMAN, R. B.
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
FELDMAN, U.
Soft x-ray laser gain prediction at high density for the nitrogen isoelectronic sequence
[DE91-007616] 11 p1710 N91-19416
FELDMAN, W. C.
Radiation exposure and protection for moon and Mars missions
[DE91-011346] 17 p2823 N91-25599
FELICI, A.
The empirical geomagnetic parameter infer near-Earth interplanetary shocks
[IFSI-90-14] 01 p0139 N91-10820
FELIPPA, C. A.
Computational methods and software systems for dynamics and control of large space structures
[NASA-CR-187669] 05 p0628 N91-13480
FELIX, S. P.
Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626
FELIXBRODT, EITAN
Transverse slot antenna in a dielectrically loaded waveguide
[ITN-90-85061] 07 p0989 N91-15429
FELKER, B.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547
FELLER, D. F.
Modeling molecular processes in the environment
[DE91-013790] 20 p3370 N91-28671
FELSCH, P.
Stratus surge prediction along the Central California coast
[PB91-129239] 13 p2120 N91-21668
FELSEN, LEOPOLD B.
In situ fault detection by the hybrid ray mode method
[AD-A224735] 03 p0374 N91-12097
FELSTEAD, E. B.
Diversity performance in frequency-hopped 8-ary signals-implementation and measurements
[AD-A229986] 12 p1881 N91-20340
FELSTEAD, E. BARRY
Improving the ECCM performance of fast frequency hopping by diversity combining
16 p2616 N91-24479
FELTEN, JAMES E.
On the detectability of infrared echo arcs around supernova 1987A 06 p0912 N91-15033
FELTHAUSER, H. E.
Comparison of some x ray sensors for verification
[DE90-011990] 08 p1148 N91-16323
FELTON, J. S.
Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538
FENDELL, F. E.
Basic research on flame radiation
[PB91-182980] 19 p3128 N91-27282
Initiation and modification of reaction by energy addition: Kinetic and transport phenomena
[AD-A229591] 22 p3646 N91-30293
FENDORF, M.
Experimental and theoretical characterization of the YBa2Cu3O7 / YBa2Cu4O8 phase transformation
[DE90-015309] 14 p2330 N91-22871
FENDRICH, R.
Multimodal interactions in sensory-motor processing
[AD-A229111] 09 p1372 N91-17540
FENG, CHEN
Reluctant glass formers and their applications in optical lens design 13 p2062 N91-21351
FENG, CHENG C.
Ku-band high power amplifier system functionality and operation
[AD-A236912] 19 p3160 N91-27469
FENG, J.
Correlations between charged particles emitted in ion-molecule collisions
[DE91-005557] 10 p1592 N91-18776
FENG, K.
Semi-empirical calculations on model systems for organosilyldiamine preceramic polymers
[DE91-013721] 20 p3329 N91-28433
Precursors to Si-N-C-O ceramics: A reinvestigation of the poly methylvinyl silylethyl enediamine systems
[DE91-013722] 21 p3485 N91-29333
FENG, LIANG
Application of transformational ideas to automatic flight control design
[AD-A234758] 18 p2927 N91-26148
FENG, S. T.
Optical switching and optical logic in a thermally expanding Si etalon
[AD-A230706] 13 p2153 N91-21870
FENG, W. W.
Multiaxial failure characterization of composites
[DE91-011925] 20 p3304 N91-28285
On the finite-strain-invariant failure criterion for composites
[DE91-011924] 20 p3304 N91-28286
FENG, WILLIAM W.
On the finite-strain-invariant failure criterion for composites
[AD-A234493] 18 p2941 N91-26223
Viscoelastic behavior of elastomeric membranes
[AD-A234496] 18 p2999 N91-26560
FENIMORE, C. P., JR.
Metrology for space power: Metrology development and survey of space-based measurements
[PB91-107607] 09 p1300 N91-17136
FENIMORE, E. E.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
FENN, JOHN B.
Improvement of gas analysis by enrichment of trace species
[AD-A228609] 09 p1308 N91-17179
FENN, MARTA A.
Airborne lidar measurements of ozone during the 1989 airborne Arctic stratospheric expedition
17 p2794 N91-25456
FENNEL, T. R.
A knowledge-based approach to configuration layout, justification, and documentation
12 p1943 N91-20690
FENNER, DAVID B.
Epitaxial growth of single crystal diamond on silicon
[AD-A237758] 21 p3596 N91-30007
FENNER, JAMES
Rocket-triggered lightning strikes and forest fire ignition 11 p1824 N91-20027
FENNEY, LEE
Flexible high-speed machinery
03 p0371 N91-12082
FENSKE, G. R.
Self-lubricating boric acid films for tribological applications
[DE90-007805] 01 p0029 N91-10171
Wear reduction in cutting tools: Tribological properties of hard coatings
[DE90-009705] 02 p0217 N91-11212
Uses of ion bombardment in thin-film deposition
[DE91-004461] 07 p0986 N91-15411
A study of the formation and self-lubrication mechanisms of boric acid films on boric oxide coatings
[DE90-010115] 08 p1117 N91-16137
The role of soft (metallic) film in tribological behavior of ceramic materials
[DE91-006003] 10 p1505 N91-18283
Applications of energetic particles in improving coating adhesion properties
[DE91-008833] 15 p2404 N91-23312
Combined solid and liquid lubrication of silicon nitride under boundary conditions
[DE91-011164] 17 p2784 N91-25409
FENSTERMACHER, M. E.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
Comparison of propagation and absorption of FEL-generated microwaves with theory
[DE90-010369] 08 p1125 N91-16181
FENTON, B. C.
Statistics on aircraft gas turbine engine rotor failures that occurred in US commercial aviation during 1987
[DOT/FAA/CT-90/19] 10 p1472 N91-18112
FENTON, MICHAEL W.
Systolic emulator experimentation
[AD-A226746] 06 p0817 N91-14516
FENWICK, D. M.
Part 1: The effect of lattice defects on the sintering of lithium fluoride; Part 2: The morphology of calcium oxide from calcium carbonate decomposition
[DE91-007743] 11 p1809 N91-19934
FEO, JOHN
SISAL versus FORTRAN: A comparison using the Livermore loops
[DE90-010872] 02 p0254 N91-11414
FEO, JOHN T.
SISAL 1.2: High-performance applicative computing
[DE90-011461] 07 p1053 N91-15780
Arrays in Sisal
[DE91-005400] 10 p1569 N91-18626
FERAUDY, D.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
FERBER, M. K.
Cooperative international program on mechanical strength measurements of ceramics
[DE91-000102] 04 p0508 N91-12822

Effect of post-sintering microwave treatments upon the mechanical performance of silicon nitride
[DE91-009122] 14 p2251 N91-22456
Chevron-notched, flexure tests for measuring the elevated temperature fracture resistance of structural ceramics
[DE91-009117] 15 p2404 N91-23310
Determination of high temperature creep parameters in structural ceramics from constant-displacement, load-relaxation tests
[DE91-010130] 17 p2762 N91-25289
Microstructure development during microwave annealing of dense silicon nitride
[DE91-012069] 18 p2944 N91-26242
Elevated-temperature fracture resistances (K(sub IC), R-curves, gamma sub (omega OF)) of monolithic and composite ceramics using chevron-notched, bend tests
[NASA-TM-105090] 20 p3326 N91-28418

FEREBEE, MELVIN J., JR.
Benefits from synergies and advanced technologies for an advanced-technology space station
[NASA-TP-3067] 12 p1852 N91-20177

FERENCZ, DONALD C.
ALPS: A Linear Program Solver
[NASA-TM-104347] 12 p1957 N91-20765

FERENDECI, ALTAN M.
High energy dense ribbon beams and high harmonic gyrotron at millimeter wavelengths
[AD-A232839] 15 p2432 N91-23470

FERET, J.
The physical and chemical state of Westinghouse Phosphoric Acid Fuel Cell assemblies after long term operation: Surface and near-surface analysis
[DE90-015055] 01 p0063 N91-10382

FERG, DOUGLAS
Finite element modeling of the higher harmonic controlled OH-6A helicopter airframe
[NASA-CR-187449] 09 p1352 N91-17428

FERG, DOUGLAS A.
Plan, formulate, and discuss a NASTRAN finite element model of the AH-64A helicopter airframe
[NASA-CR-187446] 10 p1534 N91-18445

FERGUSON, D. C.
Electrical system/environment interactions on the planet Mars 18 p3087 N91-27068

FERGUSON, DALE C.
Findings of the Joint Workshop on Evaluation of Impacts of Space Station Freedom Ground Configurations 12 p1950 N91-20728
Findings of the Joint Workshop on Evaluation of Impacts of Space Station Freedom Ground Configurations
[NASA-TM-103717] 14 p2236 N91-22370
Leo space plasma interactions 22 p3639 N91-30249

FERGUSON, H.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848

FERGUSON, H. C.
NGC 3312: A victim of ram pressure sweeping 05 p0750 N91-14177
The morphology-density relation for dwarf galaxies 05 p0754 N91-14200

FERGUSON, HENRY CLOSSON
Population studies in groups and clusters of galaxies, volumes 1 and 2 02 p0286 N91-11608

FERGUSON, L. G.
Investigation of conformal coatings for electronic circuits
[AD-A236402] 19 p3159 N91-27462

FERGUSON, S. W.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547

FERGUSON, SAMUEL W.
Evaluation of rotorwash characteristics for tiltrotor and tiltwing aircraft in hovering flight
[SCT-90RR-18] 08 p1091 N91-15989
Analysis of rotorwash effects in helicopter mishaps
[DOT/FAA/RD-90/17] 24 p3952 N91-32086

FERLAND, G.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633

FERLAND, G. J.
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
Late stages in the evolution of classical novae 09 p1441 N91-17946

FERLAND, GARY J.
Ultraviolet spectroscopy of planetary nebulae: Cosmological implications
[NASA-CR-187237] 04 p0607 N91-13378
Theory and laboratory astrophysics 24 p4120 N91-33025

FERLET, ROGER
The inner part of the protoplanetary disk around Beta Pictoris 10 p1620 N91-18935

FERLITA, F.
Advanced Launch System advanced development oxidizer turbopump program: Technical implementation plan
[NASA-CR-183729] 16 p2587 N91-24339

FERMAN, M. A.
A unified approach to buffet response of fighter aircraft empennage 06 p0780 N91-14326

FERMELIA, A.
Attitude determination and calibration using a recursive maximum likelihood-based adaptive Kalman filter 09 p1290 N91-17088

FERMI, M.
Time and frequency comparisons in Europe by means of ECS 5 geostationary satellite 17 p2851 N91-25764

FERNAGUT, F.
Plastic deformation processes in relation to molecular structure
[ETN-91-99916] 23 p3807 N91-31233

FERNANDES, KATHLEEN
A scenario-based methodology for evaluating user interface functionality on a database retrieval task
[AD-A236967] 19 p3262 N91-28040

FERNANDESDASILVA, MANOELA F.
Application of remote sensing data integrated with a digital elevation model in the geobotanical research in the Carajas Mountains
[INPE-5189-PRE/1657] 14 p2284 N91-22630

FERNANDEZ-CASTRO, TELMO
The ultraviolet spectrum of FG Sge 09 p1438 N91-17925

FERNANDEZ-PELIO, A. C.
Fire propagation in concurrent flows
[PB91-157206] 17 p2756 N91-25252

FERNANDEZ-VILLACANAS, J. L.
On the disappearance of O I in some high-luminosity cool stars 09 p1436 N91-17911

FERNANDEZ, J. C.
US-Japan Workshop on Field-Reversed Configurations with Steady-State High-Temperature Fusion Plasmas and the 11th US-Japan Workshop on Compact Toroids
[DE90-010253] 08 p1226 N91-16755

FERNANDEZ, KEN
ROBOSIM, a simulator for robotic systems 14 p2360 N91-23059

FERNANDEZ, M. S.
The avian eggshell as a model of biomineralization
[DE91-012608] 20 p3323 N91-28400

FERNANDEZ, P. B.
Proton-induced fission at ultra sub-barrier energies
[DE91-011169] 16 p2687 N91-24874

FERNANDEZ, R. NORBERTO
NASA applications project in Miami County, Indiana
[NASA-CR-187916] 09 p1354 N91-17438
NASA applications project in Miami County, Indiana
[NASA-CR-188007] 14 p2280 N91-22608

FERNANDEZDELAMORA, JUAN
Improvement of gas analysis by enrichment of trace species
[AD-A228609] 09 p1308 N91-17179

FERNANDO, G. W.
First principles simulations of metallic alloys and liquids
[DE91-015171] 21 p3483 N91-29323

FERNANDODELCIAMPO, LINEU
Centimeter emission variation of Venus: Its second phase
[INPE-5122-TDL/423] 05 p0767 N91-14257

FERNAU, M. E.
Global climate change: A discussion of major uncertainties
[DE91-011746] 18 p3007 N91-26604

FERNIE, W. A.
Longitudinal stability augmentation of a lightweight fighter aircraft model
[ETN-91-98585] 08 p1098 N91-16026

FERNOW, R. C.
The grating as an accelerating structure
[DE91-010297] 14 p2326 N91-22851
Acceleration using total internal reflection
[DE91-016612] 23 p3927 N91-31942

FERNSLER, R. F.
Overview of beam conditioning
[AD-A226404] 04 p0581 N91-13236
Theory of electron beam tracking in reduced-density channels
[AD-A233387] 16 p2683 N91-24855

FERNSLER, RICHARD F.
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588

FERRAINOLO, JOHN J.
Large space structures and systems in the space station era: A bibliography with indexes
[NASA-SP-7085(01)] 10 p1488 N91-18199
Large space structures and systems in the space station era: A bibliography with indexes
[NASA-SP-7085(02)] 20 p3290 N91-28191

FERRAN, A.
Observatory of new materials. Evolution perspectives for the materials used in civil transportation aircraft
[REPT-911-111-107] 15 p2394 N91-23248

FERRANDO, W. A.
Synthesis and characterization of high temperature superconductor materials 05 p0725 N91-14048
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796

FERRANDO, WILLIAM
Method for producing silver coated superconducting ceramic powder
[AD-D014899] 22 p3653 N91-30332

FERRANDO, WILLIAM A.
Method of soldering aluminum
[AD-D014696] 12 p1868 N91-20262
Silver lined ceramic vessel and method of preparation
[AD-D014953] 24 p3978 N91-32224

FERRANTE, JOHN
Equivalent crystal theory of alloys
[NASA-TP-3155] 22 p3651 N91-30318
A new approximate sum rule for bulk alloy properties
[NASA-TM-105282] 24 p3975 N91-32204
Theoretical modelling of AFM for bimetallic tip-substrate interactions
[NASA-TM-105280] 24 p3977 N91-32215

FERRARA, ANDREA
Grains in galactic haloes 06 p0901 N91-14984

FERRARA, AUGUSTO
Proceedings of the 1990 AIAA/FAA Joint Symposium on General Aviation Systems
[DOT/FAA/CT-90/11] 04 p0458 N91-12563

FERRARA, AUGUSTO M.
Evaluation of magnetic fuel treatment for aircraft fuel systems
[DOT/FAA/CT-TN90/54] 10 p1470 N91-18106

FERRARI-TONIOLO, M.
Three-micron spectroscopy of highly reddened field stars 06 p0888 N91-14904

FERRARI, A.
A model for one-sided extragalactic jets 06 p0922 N91-15097

FERRARI, M. J.
High-T(sub c) thin-film microelectronics
[DE91-012340] 20 p3425 N91-28997
Thin-film flux transformers of YBa2Cu3O(7-x)
[DE91-012363] 20 p3427 N91-29007

FERRARINI, L.
A CAD system to design logic controllers
[REPT-90-042] 16 p2667 N91-24756

FERRARINI, LUCA
Designing logic controllers with Petri nets
[REPT-90-029] 15 p2483 N91-23747
An incremental approach to logic controllers design with Petri nets
[REPT-90-030] 15 p2483 N91-23748
A modular methodology to design logic controllers with Petri nets
[REPT-91-008] 22 p3731 N91-30772

FERRARIO, LILIA
High-mass star formation in southern disk galaxies 05 p0758 N91-14218

FERRARO, A. J.
Utilization of the HIPAS facility for cooperative experiments related to ionospheric modification
[AD-A226609] 05 p0647 N91-13590
Investigation of the polar electrojet current system using radio wave heating from a ground-based facility 10 p1554 N91-18547

FERRARO, P.
Detection of impact damage in composites by holographic interferometry 03 p0329 N91-11834
Holographic interferometry as an inspection technique on aerospace composite structure 03 p0329 N91-11835

FERRARO, ROBERT D.
Hypercube technology 14 p2355 N91-23025

FERRAZZOLI, P.
Modelling backscattering from natural surfaces covered with vegetation 07 p0993 N91-15448

FERREIRA, J. G.
Activities report on the experimental study of particle diffusion in superficially confined plasma for multidipolar magnetic fields
[INPE-5228-RPE/644] 22 p3756 N91-30938

FERREIRA, J. L.
Activities report on the experimental study of particle diffusion in superficially confined plasma for multidipolar magnetic fields
[INPE-5228-RPE/644] 22 p3756 N91-30938
FERREIRA, JOSE LEONARDO
Experimental study project of plasma waves and turbulences
[INPE-5127-RPE/632] 13 p2158 N91-21896
FERREIRA, LUIZ DANILO D.
Attitude control simulation of the data collecting satellite: SCD2
[INPE-5159-PRE/1638] 13 p2040 N91-21218
FERREIRAPIRES, LUIS
Step-wise refinement design example using LOTOS
[MEMO-INF-90-55] 10 p1571 N91-18639
Overview of the LOTOSPHERE design methodology
[MEMO-INF-90-64] 10 p1571 N91-18643
Formal description techniques for distributed computing systems, the challenges for the 1990's
[MEMO-INF-90-31] 10 p1577 N91-18676
FERRELL, ROBERT CRAIG
Slow motion approximations in general relativity
14 p2337 N91-22922
FERREOL, MAX
Studies and implementations of the principle Reed-Solomon decoding algorithms
[CNES-NT-123] 12 p1959 N91-20778
FERRET, B.
Airfoil-vortex interaction: Unsteady wall pressure measurement
[AAAF-NT-89-13] 23 p3785 N91-31104
FERRETTI, A.
Aerodynamic analysis of the flow characteristics of a delta-canard configuration
[ETN-91-99774] 22 p3613 N91-30099
FERRETTI, G.
Dynamic simulation of robots interacting with stiff contact surfaces
[REPT-90-052] 22 p3745 N91-30871
Recursive estimation of time delay in sampled systems
[REPT-90-046] 22 p3747 N91-30887
FERRI, GIANFRANCO
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551
FERRIERE, KATIA M.
Evolution of a superbubble blastwave in a magnetized medium 05 p0750 N91-14180
FERRIERE, KATIA MARCELLE
Explosion of a superbubble in a uniform magnetic field
20 p3442 N91-29102
FERRIERES, X.
FD-TD calculation with composite materials. Application to C160 aircraft measurements
24 p4052 N91-32637
FD-TD numerical simulation of an entire lightning strike on the C160 aircraft 24 p4054 N91-32648
FERRINI, F.
Production and transfer of UV photons in non-homogeneous spherical clouds
06 p0899 N91-14966
Grains in galactic haloes 06 p0901 N91-14984
FERRIS, J. C.
Results of correlations for transition location on a clean-up glove installed on an F-14 aircraft and design studies for a laminar glove for the X-29 aircraft accounting for spanwise pressure gradient
16 p2551 N91-24138
FERRIS, J. P.
Molecular and mass spectroscopic analysis of isotopically labeled organic residues
06 p0898 N91-14961
FERRIS, K. F.
Defect enhancement of local electric fields in dielectric films
[DE91-008829] 12 p1992 N91-20968
Vibrational frequencies for model silicates: Extensions beyond molecular properties
[DE91-008828] 13 p2055 N91-21310
Contributions of conformational and structural defects to the hyper-polarizabilities of polymers
[DE91-009042] 13 p2056 N91-21313
A theoretical and experimental study of unimolecular and biomolecular radical hydrogen transfer reactions
[DE91-012607] 21 p3473 N91-29261
FERRIS, KIM F.
Optical properties of inorganic polymers
[DE90-017143] 01 p0030 N91-10179
Effects of in-plane pi prime bonding on electronic transition energies for inorganic polymers
[DE90-017144] 01 p0030 N91-10180
Theoretical calculations of the nonlinear dielectric function of inhomogeneous thin films
[DE90-017186] 01 p0132 N91-10778
Theoretical determination of the nonlinear optical properties of inorganic polymers
[DE91-005183] 09 p1318 N91-17239
FERRIS, M. J.
Methane to methanol conversion by direct partial oxidation
[DE91-007352] 11 p1680 N91-19257
FERRIS, MONTY J.
Methane to methanol conversion
[DE91-004843] 07 p0987 N91-15419
FERRISS, D. H.
The solidification of a molten droplet on an inclined plane
[NPL-DMM(A)-20] 15 p2426 N91-23438
FERRO, ANTHONY J.
A multigenerational Monte Carlo model of a comet coma 12 p2006 N91-21044
FERRO, P. D.
Deformation and thermal fatigue in high temperature austenitic alloys
[DE91-014981] 21 p3480 N91-29305
FERRON, J. R.
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
Dependence of the DIII-D beta limit on the current profile
[DE91-011140] 17 p2867 N91-25860
Effects of current profiles on MHD stability
[DE91-011742] 17 p2869 N91-25872
FERRUA, B.
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619
FERRY, EARL N., JR.
Prediction of in-bore and aerodynamic heating of KE projectile fins
[AD-A226402] 04 p0471 N91-12640
FESQUET, J.
Laser heated calcium sulfate TLD plates: Application to radiation mapping 24 p4001 N91-32364
FESSENDEN, T. J.
Emittance variations in current-amplifying ion induction linacs
[DE91-016266] 24 p4100 N91-32909
FESTER, DALE A.
Historical problem areas lessons learned
20 p3298 N91-28242
Historical problem areas: Lessons learned for expendable and reusable vehicle propulsion systems
20 p3298 N91-28243
FESTOU, M. C.
Comparative study of cometology from IUE observations 09 p1428 N91-17862
IUE observations of comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko 12 p2003 N91-21024
IUE observations of comet Austin (1989c1)
12 p2003 N91-21025
FETEIH, SALAH EL-DIN
Dynamically testing of GP B electrostatically levitated spherical gyroscopes 03 p0368 N91-12062
FETH, LAWRENCE L.
Demodulation processes in auditory perception
[AD-A226824] 06 p0853 N91-14707
FETROW, FRED
Summary of research academic departments, October 1990
[AD-A234353] 18 p3097 N91-27118
FETTERER, F. M.
Sea ice lead statistics from satellite imagery of the Lincoln Sea during the iceshelf acoustic exercise, Spring, 1990
[AD-A228735] 09 p1369 N91-17525
An AVHRR data set for the arctic leads ARI
[AD-A237221] 21 p3534 N91-29637
FETTERMAN, HAROLD
Multiple optical probing of high frequency semiconductor devices
[AD-A228842] 09 p1328 N91-17293
FETZER, ERIC JOSEPH
A global climatology of middle atmosphere inertio-gravity waves 08 p1186 N91-16524
FETZER, GREGORY JAMES
Modeling of CW electron beam sustained ion lasers
09 p1342 N91-17371
FEUER, HENRY O., JR.
Elastomer compatibility with liquid propellant at elevated temperature
[AD-A230973] 13 p2058 N91-21327
FEULNER, D.
Thermal analysis for the examination and determination of processing conditions for structural fiber composite materials and bonding agents in air and space navigation
[MBB-Z-0344-90-PUB] 22 p3645 N91-30288
FEYEREISEN, MARTIN
Ab initio quantum chemistry study of formamide-formamidic acid tautomerization
[AD-A235886] 19 p3242 N91-27930
FEYOCK, STEFAN
Automatic determination of fault effects on aircraft functionality
[NASA-CR-181352] 01 p0007 N91-10039
Design of an intelligent information system for in-flight emergency assistance 14 p2316 N91-22792
FIACCO, ANTHONY
Suggested research topics in sensitivity and stability analysis for semi-infinite programming problems
[AD-A225540] 03 p0407 N91-12269
FIALA, ALAN D.
Central solar eclipses of 1992. Annual solar eclipse of 4-5 January 1992, total solar eclipse of 30 June 1992
[AD-A237614] 21 p3607 N91-30089
FICCA, STEPHEN
Separation of rare earth elements with high-speed countercurrent chromatography
[PB90-243700] 09 p1309 N91-17181
FICH, MICHEL
IRAS results on outer galaxy star formation
06 p0896 N91-14953
FICHTEL, CARL E.
High energy from space 24 p4119 N91-33023
FICHTNER, H.-L.
Hanover University research report
[ISSN-0723-1903] 24 p4124 N91-33052
FIDDES, S. P.
A non-linear method for the calculation of the power output of a rotating wind turbine
[BU-416] 11 p1728 N91-19512
Experimental investigation of the separated flow past slender bodies in the RAE 5 metre low-speed pressurised wind tunnel
[RAE-TM-AERO-2209] 22 p3678 N91-30481
FIDDES, STEVEN P.
Parallel processing for panel methods
[BU-414] 11 p1705 N91-19391
FIDLER, R.
Upscreening of components for space applications
24 p4003 N91-32376
FIEBER, JOE
Genesis lunar outpost: An evolutionary lunar habitat
10 p1481 N91-18158
FIEDLER, ROBERT ANTHONY
Star formation in the presence of magnetic fields: Molecular cloud core formation and dynamical contraction due to ambipolar diffusion:; a simulation with axial symmetry 20 p3444 N91-29116
FIEDLER, S. L.
Portable parallel programming
[DE91-015648] 21 p3561 N91-29794
FIELD, B. D.
Paralic and periglacial facies and contemporaneous deformation of the late Proterozoic Olympic Formation, Pioneer Sandstone, and Gaylad Sandstone, Amadeus Basin, central Australia 19 p3193 N91-27657
FIELD, EDWARD C., JR.
Ionospheric heating with oblique HF waves
10 p1549 N91-18521
Artificial Ionospheric Mirrors (AIM). A: Concept and issues 10 p1550 N91-18525
FIELD, GEORGE
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
FIELD, GOERGE B.
Galaxy formation by dust 06 p0902 N91-14989
FIELD, R. L.
Transient signal distortion in a multipath environment
[AD-A230737] 12 p1888 N91-20379
Performance of neural networks in classifying environmentally distorted transient signals
[AD-A230739] 12 p1888 N91-20380
The effects of sound speed on the shape of the ocean impulse response
[AD-A236567] 19 p3205 N91-27718
FIELD, R. T.
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
FIELD, RICHARD T.
Documentation for Program SOILSIM: A computer program for the simulation of heat and moisture flow in soils and between soils, canopy and atmosphere
[NASA-CR-186953] 01 p0063 N91-10379
FIELD, ROBERT L.
Classification of underwater acoustic transients by artificial neural networks
[AD-A230081] 12 p1927 N91-20603
FIELD, ROBERT W.
Spectroscopic and dynamical studies of highly energized small polyatomic molecules
[DE91-005981] 10 p1593 N91-18784

Vibrationally energized molecules: Unimolecular energy flow, chaos, and level specific chemistry
[AD-A232898] 16 p2683 N91-24852

FIELDER, JUDITH
A hydroponic design for microgravity and gravity installations 14 p2204 N91-22173

FIELDING, J. C.
Tactical support EH101 10 p1467 N91-18093

FIELDING, KENNETH H.
Clutter effects on optical correlators
[AD-A229921] 12 p1980 N91-20893

FIELDS, D.
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557

FIELDS, D. J.
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433

FIELDS, ERIK
The SYNOP experiment: Inverted echo sounder data report for October 1987 to May 1988
[AD-A227232] 06 p0851 N91-14699
The SYNOP experiment: Inverted echo sounder data report for June 1989 to September 1990
[AD-A234625] 18 p3018 N91-26662

FIELDS, JAMES M.
Design methodology for a community response questionnaire on sonic boom exposure
[NASA-CR-187503] 14 p2323 N91-22830
An updated catalog of 318 social surveys of residents' reactions to environmental noise (1943-1989)
[NASA-CR-187553] 19 p3240 N91-27916

FIELDS, ROGER A.
Techniques for hot structures testing
[NASA-TM-101727] 11 p1647 N91-19080

FIELMAN, J.
Optical analysis of aircraft transparencies (OPTRAN). Volume 1: Theoretical manual
[AD-A235931] 19 p3245 N91-27947

FIERRO, C.
In situ FTIR study of CO2 reduction on polycrystalline platinum in acid solutions
[AD-A235565] 19 p3123 N91-27253

FIESELMANN, B.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480

FIFE, WILLIAM P.
The effect of heating on tendon and joint blood flow
[AD-A225233] 03 p0395 N91-12198

FIFER, ROBERT A.
Condensed-phase processes during solid propellant combustion. 1: Preliminary chemical and microscopic examination of extinguished propellant samples
[AD-A225581] 03 p0347 N91-11943
An approximation to true peak absorbance from observed peak absorbance for gas phase Fourier transform spectroscopy
[AD-A228357] 08 p1111 N91-16104
Rotational temperature estimation of CO at high temperatures by graphical methods using FTIR spectrometry
[AD-A228370] 08 p1111 N91-16105
Report on using expert systems for computer-aided formulation and property estimation of propellants. 1: Expert system shell selection and initial package design
[AD-A237567] 21 p3493 N91-29383

FIGUEIRA, J. F.
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486

FIGUEIRO, JOSEPH F.
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282

FIGUEROA, R.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614

FIJANY, AMIR
Serial and parallel computation of Kane's equations for multibody dynamics 14 p2227 N91-22320
Highly parallel computer architecture for robotic computation
[NASA-CASE-NPO-17632-1-CU] 24 p4082 N91-32805

FIJMA, D. H.
Time-dependent processes in functional languages
[MEMO-INF-90-87] 22 p3734 N91-30796

FILA, J.
Helicopter structural integrity program (HSIP). Volume 1: Structural test requirements specification
[AD-A226520] 05 p0621 N91-13444

FILER, ELIZABETH D.
Theoretical temperature-dependent branching ratios and laser thresholds of the (5)I7 yields (5)I8 levels of Ho3(+) in ten garnets
[NASA-TM-103429] 05 p0726 N91-14053
Energy levels and branching ratios of Tm(3)+ in ten garnet laser materials
[AD-A235274] 18 p2991 N91-26514

FILHO, PEDRO HERNANDEZ
Evaluation of indigenous areas utilizing TM/LANDSAT data
[INPE-5173-PRE/1642] 13 p2114 N91-21636
Detection of mining activities in the Yanomani Indian Reserve through LANDSAT-TM imagery
[INPE-5182-RPE/638] 15 p2456 N91-23609
A practical example of forest mapping and timber volume estimation using LANDSAT-5 TM imagery
[INPE-5244-PRE/1675] 21 p3534 N91-29635
Techniques of movement detection in the monitoring of reforested areas using LANDSAT/TM data
[INPE-5230-RPE/645] 22 p3697 N91-30582

FILIMONOV, B. B.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856

FILIP, PAVEL
Image data compression in JPEG standard
[DLR-FB-90-59] 15 p2483 N91-23746

FILIPENKOV, S. N.
Probabilty of decompression sickness during space suit testing 01 p0096 N91-10559

FILIPOV, L. G.
Amplification of Alfven waves in free shear flows
06 p0919 N91-15074
Structure of accretion flow in close binary system: A two dimensional numerical model
06 p0922 N91-15093

FILIPPAS, A. V.
Detection of coherent structures in the edge of the TEXT tokamak plasma
[DE91-015183] 21 p3588 N91-29958

FILIPPENKO, ALEXEI
IUE and ROSAT monitoring of the bright QSO H1821+643
[NASA-CR-188719] 22 p3771 N91-31029

FILIPPI, CESAR
Hydrologic and meteorological operations in the 162-174 and 406.1-420 MHz bands
[PB90-207820] 01 p0033 N91-10199

FILIPPONE, W. L.
Coupled proton/neutron transport calculations using the S(sub N) and Monte Carlo methods
[DE91-009949] 14 p2326 N91-22849

FILLA, O. H.
Inflight estimation of gyro noise
09 p1287 N91-17076

FILLER, RAYMOND L.
Low-noise oscillators for airborne radar applications
07 p0941 N91-15159
The effects of acceleration on precision frequency sources (proposed for IEEE standards project p1193)
[AD-A235470] 19 p3167 N91-27512

FILONCZUK, MARIA K.
Upwelling southwest of Iceland due to quasi-geostrophic flow
[AD-A227129] 06 p0851 N91-14698

FILOSO, SILVANA
Critique of a process proposed to determine CF aircrew/cockpit compatibility
[DCIEM-R88-7C] 22 p3720 N91-30705

FILUK, A. B.
Particle confinement and fueling effects on the Maryland spheromak
[DE91-012396] 20 p3417 N91-28945
Visible spectroscopy diagnostics of light-ion beams
[DE91-017450] 24 p4100 N91-32908

FILY, M.
Using satellite remote sensing imagery for marginal ice zone research in the ARCTEMIZ project
15 p2454 N91-23600

FILZ, R. C.
Patterns of discoloration and oxidation by direct and scattered fluxes, especially oxygen on silicon
16 p2717 N91-25043

FIMIA, A.
Thermal distortion measurement on antenna-reflectors by real-time holographic interferometry in ambient pressure 07 p0958 N91-15269

FIMPEL, HANS P.
International Workshop on the Airborne Measurement of Wind, Turbulence and Position: Workshop report
[DLR-MITT-90-13] 14 p2288 N91-22652
The improvement of the installation of the DLR research aircraft Falcon: Description and first results
14 p2289 N91-22657

FINAN, VALERIE
The series Bi2Sr2Ca(n-1) Cu(n)O(2n+4) (1 less than or equal to n less than or equal to 5): Phase stability and superconducting properties
[NASA-TM-103749] 13 p2160 N91-21910

FINCHUM, A.
Evaluation of composite materials for use on launch complexes
[NASA-TM-103809] 01 p0022 N91-10131

FINCKE, J. R.
Coherent anti-Stokes Raman spectroscopic measurement of air entrainment in argon plasma jets
[DE91-001936] 05 p0680 N91-13670
Simultaneous measurement of Ni-Al particle size, velocity, and temperature in atmospheric thermal plasmas
[DE91-001935] 05 p0688 N91-13826
Measurement of air entrainment in plasma jets
[DE91-001943] 05 p0719 N91-14013
Behavior of alumina particles in atmospheric pressure plasma jets
[DE91-006147] 09 p1407 N91-17743
The measurement of single particle temperature in plasma sprays
[DE91-006135] 10 p1602 N91-18834
Measurement of particle size, velocity and temperature in the plasma spray coating process
[DE91-006208] 15 p2405 N91-23317
Characteristics of pulsed nuclear reactor pumped flowing gas lasers
[DE91-010054] 16 p2633 N91-24574

FINCKENOR, JEFFREY
Apparatus for joining trusses
[NASA-CASE-MFS-28545-1] 17 p2765 N91-25306

FINCKENOR, MIRIA
Meteoroid/space debris impacts on MSFC LDEF experiments 16 p2710 N91-25000

FINDLAY, A. S.
IFDIS: An expert system for diagnosis of failures in jet aircraft engines
[AD-A227757] 08 p1097 N91-16020

FINDLAY, J. G.
Determination of flow-regime boundaries for cohesive particles
[DE91-010552] 18 p2982 N91-26468
Determination of flow-regime boundaries for cohesive particles
[DE91-010541] 19 p3136 N91-27326

FINDLAY, JOHN T.
Final shuttle-derived atmospheric database: Development and results from thirty-two flights
[NASA-CR-185636] 02 p0235 N91-11310

FINDLEY, C.
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954

FINDLEY, C. E.
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952

FINE, MORRIS E.
Tailored interfaces for metal-matrix composites: Fundamental considerations
[AD-A229143] 09 p1304 N91-17158

FINEGOLD, LAWRENCE S.
Human factors design guidance during the conceptual design phase of system development: A methodological approach
[AD-A224667] 08 p1192 N91-16552

FINEL, A.
Order-disorder phenomena in complex alloys: The case of A15-based substitutional alloys
[DE91-000815] 04 p0505 N91-12804

FINEMAN, CHARLES E.
Modelling parallel programs and multiprocessor architectures with AXE
[NASA-CR-177582] 16 p2673 N91-24793

FINGER, H. B.
An historical perspective of the NERVA nuclear rocket engine technology program
[NASA-CR-187154] 19 p3116 N91-27216

FINK, G.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671

FINK, H. H.
The x ray emission of SS433
[MPE-PREPRINT-189] 08 p1244 N91-16856

FINK, LARRY
Design optimization of gas generator hybrid propulsion boosters 16 p2572 N91-24252

FINK, PAMELA K.
User documentation for the MSK and OMS intelligent tutoring systems
[NASA-CR-188815] 24 p4085 N91-32823
An intelligent tutoring system for the investigation of high performance skill acquisition
[NASA-CR-188827] 24 p4086 N91-32827
Research into the interaction between high performance and cognitive skills in an intelligent tutoring system
[NASA-CR-188821] 24 p4086 N91-32830

FINK, RICHARD LEE
Application of the HEAO-1 A-2 low energy detector data to the diffuse x ray sky background
09 p1425 N91-17841

FINK, UWE
A composition comparison between comets P/Halley and P/Brorsen-Metcalf 12 p2001 N91-21016
A CCD spectrum and production rates for Comet P/Temple 2 17 p2893 N91-25991
The P/Halley: Spatial distribution and scale lengths for C2, CN, NH2, and H2O 17 p2893 N91-25992
Deimos: A featureless asteroid-like spectrum
17 p2893 N91-25994

FINKE, REINALD G.
Some informal thoughts on relativity and limitations on interstellar travel
[AD-A230575] 12 p1993 N91-20971
Calculation of reentry-vehicle temperature history
[AD-A231552] 14 p2233 N91-22356

FINKENTHAL, D.
Implications of TAE modes for the design of ITER
[DE91-013128] 20 p3418 N91-28952

FINKLER, RONALD A.
Technology transfer in a changing national security environment
[AD-A232458] 15 p2526 N91-24000

FINKMAN, ELIEZER
Surface and implantation effects on p-n junctions
10 p1508 N91-18299
Properties of insulator interfaces with p-HgCdTe
10 p1509 N91-18300
Surface electrons in inverted layers of p-HgCdTe
10 p1509 N91-18301

FINLAY, R. W.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054

FINLEY, JAMES W.
Support for thermally expanding conical heatshield
[AD-D014718] 12 p1861 N91-20225

FINLEY, JOHN PATRICK
The Black Widow pulsar PSR 1957+20: A potential VHE gamma-ray source 15 p2534 N91-24038

FINN, CHRISTOPHER JUDE
Seismic traveltime inversion in three-dimensional heterogeneous media 20 p3372 N91-28678

FINN, G.
Network communications research
[AD-A236542] 19 p3152 N91-27421

FINN, J. M.
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
Joint proposal for US/USSR on nonlinear dynamics and plasma transport
[DE91-014360] 20 p3422 N91-28981

FINN, R.
On accurate determination of contact angle
[DE91-013849] 20 p3331 N91-28450

FINN, SCOTT R.
Delaminations in composite plates under transverse static or impact loads 24 p3971 N91-32183

FINNEGAN, ROBERT D.
Fabrication and characterization of yttrium barium copper oxide superconductors for microwave applications
[AD-A231713] 14 p2331 N91-22877

FINNEMORE, D. K.
Microfilamentary Bi2Sr2Ca1Cu2O8 fibers
[DE90-018013] 02 p0279 N91-11571

FINNERTY, ANTHONY E.
Removal of NO and NO2 from contaminated atmospheres
[AD-A227260] 08 p1194 N91-16565
Power packs: A passive approach to extinguishing fire in combat vehicles
[AD-A232020] 15 p2410 N91-23342

FINNEY, W. C.
Pulsed electron beam precharger
[DE91-010537] 16 p2687 N91-24873

FINOKHIN, V. I.
Effect of paramagnetic impurities on dynamics of magnetic fluxes in superconductors
11 p1789 N91-19816

FIOCCO, GIORGIO
NO2 absorption cross-section in the 440 to 460 nm region at 298 and 220 K
[NOTA-INTERNA-964] 11 p1737 N91-19550

FIONDA, E.
Attenuation statistics derived from emission measurements by a network of ground-based microwave radiometers 03 p0352 N91-11963

FIORI, C. E.
A controlled dispersion parallel wavelength x ray spectrometer for electron microscopy
[DE91-012011] 20 p3349 N91-28544

FIRESTONE, JAMES K.
SEAPAK user's guide, version 2.0. Volume 1: System description
[NASA-TM-100728-VOL-1] 17 p2837 N91-25683
SEAPAK user's guide, version 2.0. Volume 2: Descriptions of programs
[NASA-TM-100728-VOL-2] 17 p2838 N91-25684

FIRSOV, V. V.
Intracavity second-harmonic generation by laser with optical delay line and mode locking
11 p1788 N91-19808

FIRTH, GEORGE C.
Design and fabrication of instrumented composite airfoils for a cryogenic wind tunnel model
[NASA-TM-102740] 04 p0536 N91-12971

FIRTH, ROBERT
Kernal facilities definition, Kernel version 3.0
[AD-A228027] 08 p1202 N91-16610

FIRTMAURICE, M.
Optical communication for space missions
15 p2540 N91-24070

FISCELLA, B.
Meteorological use of a space-borne SAR imaging the ocean surface 07 p0993 N91-15447

FISCHER-HJALMARS, I.
Metals in biology: Technical details of quantum chemical ab initio calculations on ferrous and ferric iron-bis-glyoxal and iron-bis-dithiolene
[USIP-89-01] 14 p2297 N91-22700

FISCHER, ALBERT K.
Desorption of H2O and H2 from steel and LiAO2 by temperature programmed desorption
[DE90-011170] 08 p1114 N91-16118

FISCHER, AXEL
Propulsion system concept for the Eurofar tilt rotor aircraft
[MBB-UD-0573-90-PUB] 11 p1648 N91-19084

FISCHER, CAROL L.
Southern New Mexico low temperature geothermal resource economic analysis
[PB91-105353] 09 p1355 N91-17443

FISCHER, CHARLOTTE FROESE
Theoretical studies of atomic transitions
[DE91-000931] 08 p1221 N91-16723

FISCHER, D. A.
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828

FISCHER, E.
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002

FISCHER, EUGENE C.
Load bearing connective damper
[AD-D014676] 11 p1720 N91-19468

FISCHER, GERHARD
Theories, methods, and tools for the design of user-centered computer systems
[AD-A225700] 04 p0568 N91-13148
Intelligent support systems for hyperknowledge
[AD-A229109] 09 p1385 N91-17620
JANUS: Integrating hypertext with a knowledge-based design environment
[AD-A231773] 14 p2340 N91-22941

FISCHER, J.
New accurate, vectorized approximations of state surfaces for the thermodynamic and transport properties of equilibrium air
[MBB/FE122/S/PUB/0389] 06 p0884 N91-14886
Summary of the working group on transverse emissions from photocathodes
[DE91-008414] 11 p1712 N91-19432
Photoemission studies using femtosecond pulses for high brightness electron beams
[DE91-008436] 11 p1795 N91-19849
Development of high current electron source using photoemission from metals with ultrashort laser pulses
[DE91-008438] 11 p1795 N91-19850
Amplification of femtosecond pulses using a N2 pump laser
[DE91-008413] 13 p2092 N91-21513
High current photoemission with 10 picosecond UV pulses
[DE91-009439] 13 p2092 N91-21515
Thermoanalytic and electric analyses of the TlSbSe2 semiconductor 14 p2334 N91-22900
Structure and dynamics in low-dimensional guest host solids
[DE91-012169] 20 p3429 N91-29020

FISCHER, KENNETH J.
Sinusoidal response of a thin viscoplastic plate with severe temperature gradient
[AD-A230938] 13 p2105 N91-21588

FISCHER, R. D.
The diving laboratory as a simulation environment for manned spaceflight 15 p2449 N91-23564

FISCHER, R. P.
Ohmic effects in quasioptical resonators
[AD-A227547] 07 p0998 N91-15478
Depressed collector experiments on a quasioptical gyrotron
[AD-A234559] 18 p2987 N91-26492

FISCHER, T.
Simulation of quadruple simultaneous parallel ILS approaches at D/FW, phase 3
[DOT/FAA/CT-90/15] 10 p1469 N91-18102

FISCHER, THOMAS M.
A mathematical-physical model for describing transitional boundary layer flows. Volume 1: The linear and nonlinear disturbance differential equations
[DLR-FB-90-24-VOL-1] 03 p0368 N91-12059

FISCHER, THOMAS R.
A trellis-searched APC (Adaptive Predictive Coding) speech coder
[DE91-000866] 08 p1197 N91-16581

FISCHLER, J. E.
Structural development of laminar flow control aircraft chordwise wing joint designs
[NASA-CR-181888] 06 p0784 N91-14346

FISCHMAN, KURT
Digital SPC switching technology: Foreign technology assessment
[AD-A237258] 21 p3504 N91-29449

FISENNE, ISABEL M.
Rn222, Rn222 progeny and Rn220 progeny as atmospheric tracers of air masses at the Mauno Loa Observatory
[DE90-014872] 01 p0093 N91-10539

FISH, A. F.
Coal utilization and CO2 emissions: What are the control options?
[DE91-015988] 23 p3892 N91-31721

FISH, GORDON
Magnetic domain strain sensor program
[AD-A227225] 08 p1149 N91-16327

FISHBINE, B. H.
Development of a high-imaging speed SEM for dynamically loaded materials
[AD-A229244] 10 p1535 N91-18451

FISHBURN, BARRY D.
An analysis of impact initiation of explosives and the currently used threshold criteria
[AD-A230187] 12 p1878 N91-20321

FISHER, A. S.
Spatial dynamics of picosecond CO2 laser pulses produced by optical switching in Ge
[DE91-010368] 15 p2433 N91-23476

FISHER, A. T.
Materials science applications of a 120 kV FEG TEM/STEM: Triskaidekaphilia
[DE91-010136] 21 p3518 N91-29536

FISHER, AMNON
X ray laser
[AD-A236245] 19 p3171 N91-27534

FISHER, D. L.
Excitation of nonlinear wake field in a plasma for particle acceleration
[DE91-017386] 24 p4106 N91-32945

FISHER, DAVID F.
F-18 high alpha research vehicle surface pressures: Initial in-flight results and correlation with flow visualization and wind-tunnel data
[NASA-TM-101724] 11 p1641 N91-19051
Summary of in-flight flow visualization obtained from the NASA high alpha research vehicle
[NASA-TM-101734] 11 p1642 N91-19055
In-flight flow visualization characteristics of the NASA F-18 high alpha research vehicle at high angles of attack
[NASA-TM-4193] 12 p1830 N91-20055
Evaluation of cloud detection instruments and performance of laminar-flow leading-edge test articles during NASA Leading-Edge Flight-Test Program
[NASA-TP-2888] 16 p2560 N91-24199

FISHER, GENE
Structured representation for requirements and specifications
[NASA-CR-187522] 18 p3043 N91-26797

FISHER, H. L.
Regression on medians of probability distributions
[PB91-177006] 22 p3747 N91-30882
FISHER, J. R.
Radio astronomy 24 p4119 N91-33018
FISHER, MICHAEL LYNN
Theoretical studies of QSO absorption lines and the intergalactic medium 15 p2531 N91-24025
FISHER, P. W.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
FISHER, R. A.
Specific heat of YBaCu3O7: Volume fraction of superconductivity; parameters characteristic of the ideal superconducting state
[DE91-011827] 21 p3591 N91-29974
FISHER, R. J.
The Sandia Transportable Triggered Lightning Instrumentation Facility
[DE91-006776] 10 p1557 N91-18564
Damage to metallic samples produced by measured lightning currents
[DE91-006777] 10 p1558 N91-18565
The 1990 Sandia rocket-triggered lightning field tests at Kennedy Space Center, Florida
[DE91-011263] 18 p3016 N91-26653
FISHER, RICHARD J.
The Sandia transportable triggered lightning instrumentation facility 24 p4052 N91-32636
Damage to metallic samples produced by measured lightning currents 24 p4053 N91-32640
FISHER, RONALD E.
Energy models and national energy policy
[DE90-017682] 02 p0233 N91-11300
FISHER, S. A.
Aerothermodynamic design appraisal of noise suppressors for F/A-18 engine run-up facilities at RAAF Williamtown
[ARL-PROP-R-177] 14 p2198 N91-22136
FISHER, SCOTT S.
Virtual acoustics displays 14 p2355 N91-23023
FISHER, THERESA A.
Assessment of research needs for wind turbine rotor materials technology
[NAT-S-324] 19 p3185 N91-27612
FISHER, TIM E.
Programmable remapper for image processing
[NASA-CASE-MSC-21350-1] 15 p2480 N91-23724
FISHER, TIMOTHY E.
Programmable remapper with single flow architecture
[NASA-CASE-MSC-21481-1] 05 p0699 N91-13890
FISHER, VERNIE G.
Intelligibility of digital speech masked by noise: Normal hearing and hearing impaired listeners
[AD-A234852] 18 p2975 N91-26427
FISHER, Y.
Fractal-based image compression, 2
[AD-A226500] 04 p0565 N91-13136
Iterated transform image compression
[AD-A233655] 18 p3038 N91-26769
FISHER, YUVAL
Fractal image encoding
[AD-A229910] 12 p1955 N91-20753
FISHKOVA, L. M.
Investigation of the night sky airglow near the epicenter of the earthquake 06 p0923 N91-15107
FISHMAN, G. J.
The ionizing radiation environment of LDEF prerecovery predictions 16 p2707 N91-24980
The interactions of atmospheric cosmogenic radionuclides with spacecraft surfaces 16 p2707 N91-24982
Induced radioactivity in LDEF components 16 p2708 N91-24985
FISHMAN, LAANA
Long Duration Exposure Facility experiment M0003 deintegration observations 16 p2718 N91-25047
FISHMAN, M.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
FISK, ARTHUR D.
Automatic information processing and high-performance skills: Principles of consistency, part-task training, context, retention, and complex task performance
[AD-A235944] 19 p3213 N91-27761
FISK, CHARLES
Tidal and lunar data for Point Mugu, San Nicholas Island, and the Barking Sands area during 1991
[AD-A229479] 22 p3711 N91-30655
FISK, Z.
Superconducting borides
[DE90-016484] 01 p0130 N91-10769
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300
Thermal desorption studies of isotopically-labeled oxygen-induced superconductivity in La2CuO(4+delta)
[DE91-004898] 08 p1236 N91-16812
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
Doping and pressure study of U3Sb4Pt3
[DE91-013669] 20 p3431 N91-29033
Effects of doping on hybridization gapped materials
[DE91-014611] 21 p3508 N91-29477
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds
[DE91-016239] 24 p4095 N91-32878
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959
FISKUM, R. J.
Braun heat pump engine/compressor and its hermetic rod seal
[DE91-017151] 24 p3981 N91-32239
FITCH, J. P.
The single antenna interferometer
[DE91-007128] 13 p2071 N91-21407
Diffraction-limited imaging of satellites using bispectral speckle interferometry
[DE91-015745] 21 p3605 N91-30062
FITCH, ROBERT C., JR.
A robotic tactile sensor incorporating silicon planar technology: A piezoelectric polyvinylidene fluoride film, and on-chip signal processing
[AD-A230362] 12 p1907 N91-20493
FITE, E. BRIAN
A three-dimensional finite-element thermal/mechanical analytical technique for high-performance traveling wave tubes
[NASA-TP-3081] 19 p3154 N91-27436
FITE, W.
Construction of flowing afterglow apparatus
[AD-A231062] 13 p2151 N91-21855
FITT, A. J.
Does the far-infrared/radio correlation in spiral galaxies extend to the spatial domain 06 p0901 N91-14985
FITTINGHOFF, D. N.
Ion yields from strong optical field ionization experiments using 100 femtosecond laser pulses
[DE91-011200] 17 p2781 N91-25389
FITZ-COY, NORMAN GEORGE
A multiobjective control synthesis for articulated space structures 17 p2740 N91-25162
FITZGERALD, JAMES
Vehicular sources in acoustic propagation experiments 08 p1215 N91-16690
FITZGERALD, PAUL F., JR.
Research into display sharing techniques for distributed computing environments
[NASA-CR-186570] 10 p1567 N91-18615
FITZGERALD, T. JOSEPH
HF propagation through actively modified ionospheres: Modelling and experimental results 10 p1554 N91-18549
FITZGIBBONS, GREGORY LYNN
Visual, red and infrared photographic surface photometry of NGC 55 and NGC 253 20 p3441 N91-29094
FITZJARRALD, DAN
Global water cycle 24 p4056 N91-32661
Climate dynamics experiments using a GCM simulations 24 p4057 N91-32663
FITZMAURICE, NESSAN
An analysis of RNG based turbulence models for homogeneous shear flow
[NASA-CR-187552] 15 p2425 N91-23433
FITZPATRICK, EDWARD L.
Continua of B supergiants in the LMC 09 p1436 N91-17910
FITZPATRICK, G. J.
Metrology for space power: Metrology development and survey of space-based measurements
[PB91-107607] 09 p1300 N91-17136
FITZPATRICK, M. IMOGENE
Atomic data for fusion. Volume 1: Collisions of H, H2, He and Li atoms and ions with atoms and molecules
[DE91-000527] 04 p0581 N91-13238
FITZSIMMONS, M. R.
Characterization of nanocrystalline Pd by x ray diffraction and EXAFS
[DE91-006441] 09 p1416 N91-17794
FITZSIMONS, T. K.
A review of the NATO EMC analysis programme and related European community developments 19 p3148 N91-27396
FIVELAND, W. A.
Numerical modeling applications for gas combustion systems
[PB91-159541] 17 p2758 N91-25265
FIX, EDWARD L.
Neural network based human performance modeling
[AD-A229822] 12 p1931 N91-20626
FLAGAN, R. C.
Aerosol formation in atmospheric mixtures
[PB91-129114] 11 p1739 N91-19560
FLAGG, C. N.
SEEP 2 zooplankton data report: Winter, spring and summer collections at mooring 3 during 1988
[DE91-012077] 18 p3019 N91-26668
FLAGG, R. S.
A catalog of high resolution Jovian decametric radio noise burst spectra, volume 1 18 p3083 N91-27047
FLAHAUX, M.
High speed welding used in building metallic structures
[CRIF-MT-180] 24 p4026 N91-32496
FLAHERTY, JOSEPH E.
Numerical methods for singularly perturbed differential equations with applications
[AD-A235188] 18 p3052 N91-26850
FLAISHER, H.
Integral bypass diodes in an amorphous silicon alloy photovoltaic module 11 p1673 N91-19218
FLAKE, G. W.
Prediction and control of chaotic processes using nonlinear adaptive networks
[DE90-016505] 01 p0118 N91-10697
Applications of neural networks to process control and modeling
[DE91-007389] 15 p2489 N91-23784
Using CNLS-NET (connectionist normalized local spline-network) to predict the Mackey-Glass chaotic time series
[DE91-007478] 19 p3257 N91-28016
FLAMAN, ANTONIUS ADRIANUS MARIA
Build-up and relaxation of molecular orientation in injection moulding
[ETN-91-99176] 14 p2325 N91-22841
FLAMENT, C.
Development of a computation code for nonequilibrium gas axisymmetric hypersonic laminar flow
[ONERA-RS-14/3637-AY] 23 p3869 N91-31585
FLAMENT, PIERRE J.
Altimeter processing tools for analyzing mesoscale ocean features
[AD-A231904] 14 p2292 N91-22677
FLAMM, DAVID S.
H-infinity-optimal control for distributed parameter systems
[AD-A234931] 18 p3049 N91-26833
FLANAGAN, DAVID T.
Purification system
[NASA-CASE-MSC-21584-1] 16 p2592 N91-24362
Biofilm monitoring coupon system and method of use
[NASA-CASE-MSC-21585-1] 23 p3897 N91-31755
FLANINGAM, MICHAEL R.
Computer-based instruction Authoring Tools System (CATS): Student guide
[AD-A225782] 04 p0562 N91-13116
FLANNAGAN, M.
Methods for evaluating discomfort glare
[PB91-185132] 21 p3549 N91-29722
FLATAU, PIOTR J.
Radiative properties of visible and subvisible Cirrus: Scattering on hexagonal ice crystals 01 p0077 N91-10462
FLATLEY, THOMAS W.
On-board attitude determination and control algorithms for SAMPEX 09 p1291 N91-17095
FLATMAN, J. C.
Surface activation of Concorde by Be-7 16 p2708 N91-24983
FLATTE, M.
Exact theory of long-wavelength one-phonon amplitudes in atom-surface scattering
[AD-A231661] 14 p2323 N91-22831
FLATTE, MICHAEL E.
Exact theory of one-phonon amplitudes in diffractive atom-surface scattering
[AD-A228928] 09 p1395 N91-17678
FLAVENOT, J. F.
Study of the effects of post heat treatment on the residual stresses in electron beam welds of tanks shell in titanium 03 p0328 N91-11830
FLECK, J. A.
Coherent x ray lasers for applications
[DE91-006257] 10 p1528 N91-18416
FLECK, M. M.
Topological models for space and time
[OUEL-1860/90] 11 p1782 N91-19774

FLECK, MARGARET M.
Some defects in finite-difference edge finders
[OUEL-1826/90] 01 p0110 N91-10645
Multiple widths yield reliable finite differences
[OUEL-1827/90] 01 p0111 N91-10646
FLECK, V.
Fast steering of the angle of attack: A contribution to the guidance of high velocity projectiles
[ISL-CO-220/89] 01 p0009 N91-10050
FLEDEL, SHMUEL
Coupled rotor/airframe vibration analysis
02 p0179 N91-11012
FLEETER, SANFORD
Research as part of the Air Force Research in Aero-Propulsion Technology (AFRAPT) program
[AD-A226893] 06 p0785 N91-14350
Wind tunnel wall effects in a linear oscillating cascade
[NASA-TM-103690] 11 p1650 N91-19098
FLEETWOOD, D. M.
Effect of radiation-induced charge on 1/f noise in MOS devices
[DE90-015991] 07 p0998 N91-15479
Hole-trapping/hydrogen transport (HT sup 2) model for interface-trap buildup in MOS devices
[DE91-000020] 07 p0998 N91-15480
The 1/f noise in irradiated MOS devices
[DE90-007288] 08 p1131 N91-16219
Statistical process control for QML (Qualified Manufacturer's List) radiation hardness assurance
[DE90-007413] 08 p1161 N91-16394
Field dependence of interface trap buildup in Si-gate MOS devices
[DE90-007679] 09 p1409 N91-17752
Hardness assurance for low-dose space applications
[DE91-009179] 19 p3111 N91-27189
Physical basis for nondestructive tests of MOS radiation hardness
[DE91-009180] 19 p3178 N91-27572
The 1/F noise in n- and p-channel MOS devices through irradiation and annealing
[DE91-008176] 19 p3250 N91-27977
Effect of bias on Thermally Stimulated Current (TSC) in irradiated MOS devices
[DE91-008179] 19 p3250 N91-27978
Comparison of low-energy x ray and cobalt-60 irradiations of MOS devices as a function of gate bias
[DE91-008174] 22 p3759 N91-30953
FLEETWOOD, DANIEL M.
Total-dose radiation hardness assurance for space electronics
[DE91-002425] 06 p0820 N91-14533
FLEISCHAUER, P. D.
Tribological performance and deformation of sputter-deposited MoS2 solid lubricant films during sliding wear and indentation contact
[AD-A231003] 13 p2098 N91-21547
FLEISCHAUER, PAUL D.
TEM lattice imaging of the nanostructure of early-growth sputter-deposited MoS2 solid lubricant films
[AD-A228943] 09 p1411 N91-17765
FLEISCHER, B.
Gas tungsten arc adaptive welding
[DE91-017848] 24 p4029 N91-32513
FLEISCHHACKER, P.
Aircraft measurements of electrified clouds at Kennedy Space Center, part 3
[NASA-CR-186964] 04 p0548 N91-13039
FLEMING, DAVID P.
Magnetic bearings-state of the art
[NASA-TM-104465] 17 p2785 N91-25413
FLEMING, MICHAEL L.
On protection of Freedom's solar dynamic radiator from the orbital debris environment. Part 2: Further testing and analyses
[NASA-TM-104514] 22 p3641 N91-30265
FLEMING, RONALD H.
LDEF impact craters formed by carbon-rich impactors
16 p2712 N91-25008
FLEMING, SCOTT
A modification of 4330 alloy steel
[DE91-001764] 06 p0807 N91-14455
FLEMING, TERENCE F.
Space Station Freedom coupling tasks: An evaluation of their space operational compatibility
12 p1939 N91-20664
FLEMINGER, GIDEON
Eupergit C as a carrier for HPLC-based immuno-purification of antigens and antibodies
14 p2295 N91-22691
Reduction of nonspecific adsorption of serum proteins to Eupergit C and agarose 14 p2296 N91-22692
Enzymatic oxidation of monoclonal antibodies by immobilized bi-functional enzyme complexes
14 p2296 N91-22693
Adipic dihydrazide-Eupergit C: A new derivative for oriented immobilization of monoclonal antibodies
14 p2296 N91-22694
Enhanced activity of immobilized dimethymaleic anhydride-protected poly- and monoclonal antibodies
14 p2296 N91-22695
FLEMMING, DIETER
Construction and realization of distributed multiprocessor systems for real time tasks
[MBB-UA-1189-90-PUB] 23 p3916 N91-31871
FLEMMING, M. G.
Electron correlation explored through electron spectrometry using synchrotron radiation
[DE91-009917] 14 p2326 N91-22850
FLEMMING, ROBERT J.
Results of a sub-scale model rotor icing test
[NASA-TM-103709] 06 p0777 N91-14309
Model rotor icing tests in the NASA Lewis icing research tunnel
[NASA-TM-104351] 15 p2382 N91-23184
FLESELMANN, B.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
FLESHLER, S.
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784
Scaling behavior of the fluctuations in magnetization and conductivity of untwinned YBa2Cu3O(7-delta)
[DE91-016524] 24 p4110 N91-32967
Flux pinning by planar defects in single crystal YBa2Cu3O(7-delta)
[DE91-016525] 24 p4110 N91-32968
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989
FLETCHER, J. A.
A practical study of a vibration isolated room
[BBC-RD-1990/8] 07 p0946 N91-15187
FLETCHER, JAMES
Non-Hausdorff twistor spaces and the global structure of space-time 20 p3443 N91-29103
FLETCHER, P.
Some aspects of quantum groups and supergroups
[DE90-777884] 08 p1212 N91-16671
FLETCHER, R.
Fabrication and characterization of high temperature superconducting thin films for sensors and electronics
05 p0724 N91-14041
FLETCHER, R. S.
Particle theory and cosmology
[DE91-017730] 24 p4122 N91-33041
FLETCHER, TIMOTHY D.
Plasma synthesis and sintering of advanced ceramics
[AD-A227932] 07 p0986 N91-15413
FLICKINGER, GREGORY C.
PAH in the laboratory and interstellar space
06 p0893 N91-14936
FLIEGEL, HENRY F.
GPS composite clock software performance
17 p2858 N91-25801
FLIFLET, A. W.
Time-dependent multimode simulation of gyrotron oscillators
[AD-A229861] 11 p1709 N91-19413
Depressed collector experiments on a quasioptical gyrotron
[AD-A234559] 18 p2987 N91-26492
FLIFLET, ARNE W.
Observation of harmonic gyro-backward-wave oscillation in a 100 GHz CARM oscillator experiment
[AD-A232063] 15 p2419 N91-23398
FLINTOFF, J. F.
Effects of interfacial modification on diamond film adhesion
[AD-A237750] 21 p3488 N91-29354
FLITCROFT, I.
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-187696] 06 p0840 N91-14639
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-185476] 09 p1354 N91-17437
FLOCK, WARREN L.
NASA propagation information center
03 p0353 N91-11969
FLOHR, KEITH W.
An evaluation of commercial additives for fuel stability enhancement; bottle tests at 65 C
[AD-A224868] 04 p0510 N91-12831
FLOKSTRA, JAN
PRISMA/DB 1.0 user manual
[MEMO-INF-91-06] 22 p3769 N91-31017
FLOM, YURY
Improved superconducting bearings
[NASA-CASE-GSC-13346-1] 20 p3354 N91-28578
FLOOD, COLIN
Backscatter lidar: The potential of a space-borne lidar for operational meteorology, climatology and environmental research. Report to the ATLID consultancy group
[ESA-SP-1121] 03 p0392 N91-12182
FLOOD, D. J.
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion
22 p3631 N91-30206
Comparative modeling of InP solar cell structures
22 p3636 N91-30232
FLOOD, DENNIS J.
Photovoltaic options for solar electric propulsion
[NASA-TM-103284] 02 p0190 N91-11061
Solar radiation on Mars: Update 1990
[NASA-TM-103623] 06 p0931 N91-15117
Effect of emitter parameter variation on the performance of heteroepitaxial indium phosphide solar cells
[NASA-TM-103619] 07 p0966 N91-15306
Dual-purpose self-deliverable lunar surface PV electrical power system 11 p1669 N91-19200
Effect of dislocations on the open-circuit voltage, short-circuit current and efficiency of heteroepitaxial indium phosphide solar cells
[NASA-TM-103762] 11 p1698 N91-19354
Optimal design study of high efficiency indium phosphide space solar cells
[NASA-TM-103763] 13 p2076 N91-21433
Future mission opportunities and requirements for advanced space photovoltaic energy conversion technology
[NASA-TM-103661] 14 p2236 N91-22371
Advanced power systems for EOS
[NASA-TM-105222] 23 p3804 N91-31217
Thin film, concentrator and multijunction space solar cells: Status and potential
[NASA-TM-104505] 23 p3804 N91-31218
FLOOD, JOSEPH D.
Hot gas ingestion test results of a two-poster vectored thrust concept with flow visualization in the NASA Lewis 9- x 15-foot low speed wind tunnel
[NASA-TM-103258] 13 p2020 N91-21116
FLORA, C. S.
An approach for configuring space photovoltaic tandem arrays based on cell layer performance
11 p1669 N91-19197
FLORES, JOLEN
A zonal Navier-Stokes methodology for flow simulation about a complete aircraft 02 p0147 N91-10858
FLORES, P.
Generalized Product-Test-Data (PTD) model
[DE91-010873] 17 p2888 N91-25966
FLOURENS, F.
A theoretical analysis of the electromagnetic environment of the AS330 super Puma helicopter external and internal coupling 24 p4063 N91-32701
FLOWER, JON W.
An automatic parallelization tool for sequential programs
[AD-A229972] 13 p2138 N91-21771
A heterogeneous parallel programming capability
[AD-A229710] 13 p2138 N91-21772
FLOWERS, GEORGE T.
Disk flexibility effects on the rotordynamics of the SSME high pressure turbopumps 10 p1628 N91-18980
FLOYD, H. L.
Sandia technology: Engineering and science applications
[DE91-006760] 11 p1692 N91-19322
FLOYD, STEPHEN A.
Applications of artificial intelligence to mission planning
[NASA-CR-184994] 05 p0706 N91-13939
Applications of artificial intelligence to mission planning
[NASA-CR-187953] 18 p3044 N91-26806
FLUSS, M. J.
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
FLUZIN, GERARD
Modelization of two phase turbulent jet up to its auto ignition in variable pressure and temperature environments
[ETN-91-98341] 05 p0660 N91-13665
FLYNN-SANDERS, DIANE K.
Low-energy electron diffraction investigation of epitaxial growth: Pt and Pd(100)
[DE91-000750] 06 p0882 N91-14873
FLYNN, ANITA M.
Piezoelectric micromotors for microrobots
[AD-A234423] 18 p2978 N91-26446

FLYNN, FREDERICK J.
Sliding mode control of magnetic suspensions for precision pointing and tracking applications
13 p2035 N91-21193
FLYNN, G.
Laser enhanced chemical reaction studies
[DE91-013021] 21 p3521 N91-29555
Interfacial and thin film chemistry in electron device fabrication
[AD-A229609] 22 p3667 N91-30416
FLYNN, G. J.
The meteoritic contribution to the regoliths of Mars, Deimos, and Phobos 17 p2911 N91-26070
Scanning Transmission Ion Microscopy (STIM): A new technique for density mapping of microstructures
[DE91-011917] 20 p3396 N91-28825
FLYNN, JONATHAN M.
The standard model calculation of epsilon prime/epsilon
[RAL-90-049] 10 p1593 N91-18786
FLYNN, S.
Modelling of land based air defence systems in research and procurement support 07 p1045 N91-15737
FODALE, ROBERT
Electro-optical spin measurement system
[NASA-CASE-LAR-13629-1] 06 p0787 N91-14356
FOECKE, T.
Imaging of stacking faults in highly oriented psrolytic graphite using scanning tunneling microscopy
[AD-A229776] 12 p1990 N91-20952
FOELL, W. K.
Acid rain in Asia
[DE91-011160] 18 p3005 N91-26595
FOERSCHING, H. W.
Unsteady aerodynamic forces on an oscillating wing at high incidences and flow separation
06 p0781 N91-14331
FOERSTER, HANS PETER
System integration of a block code
[ETN-91-98169] 06 p0817 N91-14514
FOERSTER, WOLFGANG
Laser transit velocimetry: Recent publications
23 p3876 N91-31624
FOGARTY, TOM N.
Progress in proton transport code development: Microelectronic application 19 p3275 N91-28114
FOGEL, M. L.
Oceanographic data report Number 7: Data from the Delaware Estuary SCENIC cruises, April 1986 - September 1988
[PB91-183582] 21 p3547 N91-29706
FOGG, D. A.
A generic inertial navigation system model for computer simulation studies
[AD-A236849] 19 p3104 N91-27149
FOGLE, F. R.
An improved exploratory search technique for pure integer linear programming problems
[NASA-TM-103517] 05 p0702 N91-13910
FOIAS, C.
The asymptotic degrees of freedom of fluid flows
[DE91-007548] 10 p1526 N91-18402
FOING, B. H.
Solar magnetic flux-tubes and coronal loops
06 p0916 N91-15047
Circumstellar magnetic activity, flares and mass ejections in young stars 10 p1619 N91-18930
FOKEN, THOMAS
Turbulent energy exchange between atmosphere and surface layer. Methodology, measuring technical realizations, their limits, and possible uses
[ISBN-3-88148-263-6] 24 p4044 N91-32596
FOKKINK, ROBBERT J.
On composants of the bucket handle
[REPT-90-74] 10 p1585 N91-18733
FOLDAGER, NIELS
Fluid shifts and regulation of plasma volume in humans during 12 hours of head-out water immersion
11 p1746 N91-19602
FOLEY, A. P.
Military air crew helmet design study
[BU-502] 14 p2300 N91-22713
FOLEY, G. M.
A high-speed spatial (linear) scanning pyrometer: A tool for diagnostics, temperature mapping, and property determinations at high temperatures
13 p2064 N91-21361
FOLEY, GARY E.
Pilot prepreg line: A comprehensive analysis of prepreg quality
[AD-A231912] 14 p2240 N91-22393
FOLEY, H. C.
Design of a high activity and selectivity alcohol catalyst
[DE91-010344] 16 p2598 N91-24401
FOLEY, HENRY C.
A systematic investigation of the preparation and properties of composite carbon molecular sieves containing inorganic oxides 13 p2062 N91-21353
FOLEY, K. J.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
FOLEY, KENNY B.
Radiator of microwave and infrared energy to simulate target
[AD-D014933] 22 p3662 N91-30387
FOLEY, M. G.
Three-dimensional visualization for evaluating automated, geomorphic pattern-recognition analyses of crustal structures
[DE91-012929] 21 p3540 N91-29668
FOLEY, ROBERT J.
Static thrust-vectoring performance of nonaxisymmetric convergent-divergent nozzles with post-exit yaw vanes
[NASA-TP-3085] 13 p2011 N91-21059
FOLIAS, E. S.
Failure in laminated composite plates containing a hole
[AD-A227307] 06 p0803 N91-14435
FOLKERS, JOHN P.
Heterogeneous catalysis on platinum and self-assembled monolayers on metal and metal oxide surfaces
[AD-A235055] 18 p2954 N91-26302
FOLKERTS, T. J.
Positron lifetime studies of defect structures in Ba(1-x)K(x)BiO3
[DE91-007341] 11 p1806 N91-19919
FOLKNER, W. M.
Navigational utility of high-precision radio interferometer for Galileo's approach to Jupiter
03 p0354 N91-11977
FOLLANSBEE, P. S.
Shear stress prediction in shock loaded copper
[DE91-014740] 20 p3364 N91-28635
FOLLSTAEDT, D. M.
Microstructures of cubic Al2O3 precipitates in oxygen-implanted aluminum
[DE91-000038] 02 p0198 N91-11111
Amorphization of C-implanted Fe(Cr) alloys
[DE91-001338] 06 p0809 N91-14469
Considerations relating to pulsed-beam modification of materials
[DE91-006771] 11 p1807 N91-19922
High-energy backscattered electron imaging of voids in aluminum metallizations
[DE91-014895] 21 p3480 N91-29303
FOLTYN, S.
Effects of processing parameters on the laser deposition of high temperature superconducting thin films
[DE91-005937] 09 p1343 N91-17374
FOLTYN, S. R.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
Angular dependence of thin-film dielectric coating damage thresholds
[DE91-000237] 08 p1153 N91-16351
Diagnostic studies of YBa2Cu3O(7-delta) laser ablation
[DE91-011382] 18 p2991 N91-26515
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
FOMIN, N. V.
Origin of residual surface resistance of ceramic high-temperature superconductors
11 p1789 N91-19814
FOMINA, GALINA
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988)
11 p1742 N91-19577
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
FONG, C. Y.
Impurity-defect complexes in hydrogenated amorphous silicon
[DE91-006765] 10 p1503 N91-18274
Electronic properties of Si-doped n-doping-intrinsic-p-doping-intrinsic (nipi) structures in GaAs
[DE91-009474] 15 p2515 N91-23941
The electronic structure of the ionic insulator sodium nitrite
[DE91-009766] 18 p3072 N91-26977
FONG, E. N.
Proceedings of the Object-Oriented Database Task Group Workshop
[PB91-159723] 17 p2889 N91-25971
Proceedings of the Object-Oriented Database Task Group Workshop
[PB91-157198] 18 p3076 N91-27000
Guide to design, implementation and management of distributed databases
[PB91-187567] 21 p3604 N91-30054
FONG, KIRBY W.
Using the graphical kernel system in scientific computing
[DE91-010462] 14 p2310 N91-22763
FONG, S. O.
Investigation of polybenzocyclobutene resins in multilayer thin films for electronic packaging
[AD-A235223] 18 p2942 N91-26228
FONSECA, TERESA
Reaction in rates in the phenomenological adiabatic excited state electron transfer theory
[AD-A235583] 19 p3241 N91-27925
FONSECADACOSTA, SANDRA MARIA
Evaluation of digital processing techniques of TM/LANDSAT imagery applied to urban area demarcation
[INPE-5071-TDL/410] 04 p0539 N91-12990
FONTAINE, A. A.
Large flat plate turbulent boundary layer evaluation
[AD-A225316] 03 p0366 N91-12051
FONTANA, F.
Protoflight approach to LAGEOS 2 environmental test campaign 07 p0950 N91-15213
FONTEIN, PETRUS FRANCISCUS
The potential distribution in the quantized Hall effect
[ETN-91-99184] 14 p2336 N91-22916
FONTI, S.
Laboratory spectra of amorphous and crystalline olivine: An application to comet Halley IR spectrum
[DE91-002307] 05 p0768 N91-14264
FONTI, SERGIO
Raman properties of various carbonaceous materials and their astrophysical implications
06 p0893 N91-14933
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
Infrared spectra of crystalline and glassy silicates and application to interstellar dust 06 p0904 N91-14994
Experimental evidence for amorphous carbon grains in comets 06 p0907 N91-15008
IR emission from circumstellar envelopes of C-rich stars 06 p0909 N91-15019
FONTIJN, ARTHUR
Kinetic measurements on elementary fossil fuel combustion reactions over wide temperature ranges
[DE91-006815] 10 p1496 N91-18232
FONTIJN, L. A.
Lidar as a slant path visio-ceilometer
[FEL-90-A207] 05 p0690 N91-13838
FOO, CHEK-PENG
Performance models for robot manipulators
21 p3527 N91-29590
FOOT, J. S.
Near infrared radiances observed by the UK C130 multi-channel radiometer during the marine stratocumulus IFO and preliminary comparison with model calculations
01 p0090 N91-10525
FOOTE, J.
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006
FOOTE, J. H.
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
FORAL, M. J.
Direct conversion of light hydrocarbon gases to liquid fuel
[DE91-000820] 04 p0511 N91-12840
Direct conversion of light hydrocarbon gases to liquid fuel
[DE91-000870] 04 p0511 N91-12842
FORBES, D. A.
Dust and ionized gas in active radio elliptical galaxies
08 p1256 N91-16919
FORBES, GREGORY
The 23rd Optoelectronic Workshop: Optical System Assessment for Design and Simulated Annealing
[AD-A238588] 21 p3583 N91-29932
FORBES, GREGORY S.
Analysis of significant weather on meso-alpha scales using conventional and remotely-sensed data: Further studies
[AD-A227588] 07 p1030 N91-15652

Development and application of a time-space conversion technique for analysis of weather systems passing over the Kennedy Space Center
[NASA-CR-187967] 10 p1557 N91-18560

FORBES, SCOTT JARRETT
Inline particle holography applied to fluid velocity measurement 03 p0368 N91-12061

FORBUS, KENNETH D.
Making intelligent systems team players: Case studies and design issues. Volume 1: Human-computer interaction design
[NASA-TM-104738-VOL-1] 22 p3722 N91-30713

FORCH, BRAD E.
Laser-based multiphoton excitation processes in combustion diagnostics
[AD-A226031] 04 p0501 N91-12783
Ultraviolet excimer laser-based ignition of H2/air and H2/O2 premixed flows
[AD-A226389] 04 p0529 N91-12934
Laser microplasma-gas chromatography detector. 2: Detection of species-specific fragment emission
[AD-A228373] 08 p1112 N91-16106

FORCHIONE, J.
Some recent studies with the solid-ionomer electrochemical capacitor 24 p4038 N91-32562

FORD, C. E.
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones
[DE91-008144] 12 p1975 N91-20867
GOOSE: A Generalized Object-Oriented Simulation Environment
[DE91-016771] 24 p4088 N91-32842

FORD, CLIFFORD
Computer-Aided Structural Engineering (CASE) project: Investigation and design of U-frame structures using program CUFRBC. Volume C: User's guide for channels
[AD-A224388] 02 p0252 N91-11395

FORD, DEBRA M.
Forcasting tropical cyclone recurvature using an empirical othogonal function representation of vorticity fields
[AD-A238489] 21 p3544 N91-29689

FORD, DONNIE R.
Intelligent Data Reduction (IDARE)
[NASA-CR-186322] 02 p0251 N91-11393
Applications of artificial intelligence to mission planning
[NASA-CR-184994] 05 p0706 N91-13939
Applications of artificial intelligence to mission planning
[NASA-CR-187953] 18 p3044 N91-26806

FORD, E. DAVID
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684

FORD, GARY
APSE interactive monitor: A software artifact for software engineering education
[AD-A235777] 19 p3221 N91-27807
Software maintenance exercises for a software engineering project course
[AD-A235779] 19 p3222 N91-27809

FORD, H. C.
A strategy for recovery: Report of the HST Strategy Panel
[NASA-CR-187826] 10 p1615 N91-18911

FORD, HOLLAND C.
Novae as distance indicators
[NASA-CR-186278] 02 p0286 N91-11605

FORD, J. S.
Recommended operating procedure No. 45: Analysis of nitrous oxide from combustion sources
[PB90-238502] 02 p0193 N91-11078

FORD, P. C.
Studies relevant to the catalytic activation of carbon monoxide
[DE91-012661] 20 p3310 N91-28323

FORD, R. N.
Development of low cost propulsion requirements 16 p2570 N91-24242

FORD, W. K.
A LEED study of the MgO(001) surface structure
[DE91-002811] 06 p0883 N91-14879

FORDEN, JOSEPHINE K.
On-board attitude determination and control algorithms for SAMPEX 09 p1291 N91-17095

FORDYCE, J. STUART
Power technologies and the space future
[NASA-TM-103649] 13 p2043 N91-21240

FOREMAN, J.
Power system requirements and selection for the space exploration initiative
[DE91-016707] 24 p3964 N91-32150

FOREMAN, R. J.
Deposition controlled uniformity of multilayer mirrors
[DE90-015906] 01 p0121 N91-10718
Fabrication of advanced x ray optics with magnetron mini-source arrays
[DE91-017093] 24 p4102 N91-32919

FOREST, D.
Mechanical and metallurgical aspects of warm temperature forcing
[CETIM-105430] 12 p1868 N91-20263

FORESTI, CELINA
Utilization of IHS transformation for integration of images of differing resolutions: Urban land use study
[INPE-4606-PRE/1329] 05 p0731 N91-14086
Proposed methodology for the study of urban environment and space structure in metropolitan area
[INPE-5203-PRE/1665] 13 p2039 N91-21216

FORGAN, E. M.
Neutron diffraction by the flux lattice in high-Tc superconductors
[DE91-017866] 24 p4009 N91-32418
Neutron scattering from the flux lattice in high temperature superconductors
[DE91-017947] 24 p4009 N91-32419

FORGUES, PIERRE J.
The optimal location of GEODSS sensors in Canada
[AD-A238444] 21 p3465 N91-29216

FORKAPA, MARK J.
Thermal emittance enhancement of graphite-copper composites for high temperature space based radiators
[NASA-TM-105178] 21 p3485 N91-29332

FORLI, C.
In orbit in-service inspection 03 p0329 N91-11836

FORMAGGIA, L.
Inviscid calculations by an upwind finite element method of hypersonic flows over a double (simple) ellipse
[ETN-91-99776] 22 p3613 N91-30100
Inviscid calculations by an upwind finite element method of hypersonic flows over a double (single) ellipse
[ETN-91-99777] 22 p3613 N91-30101
Simulation of hypersonic flows on unstructured grids
[ETN-91-99778] 22 p3614 N91-30102
Vortical flow simulation by using structured and unstructured grids
[ETN-91-99509] 22 p3614 N91-30107
Numerical simulation of high speed compressible flows with upwind schemes on adapted unstructured grids
[ETN-91-99771] 22 p3678 N91-30477

FORMAGGIO, ANTONIO ROBERTO
Evaluation of TM/LANDSAT-5 bands in the discrimination of wheat and beam crops
[INPE-5204-PRE/1666] 13 p2107 N91-21602
TM/LANDSAT-5 multispectral reflectance for the remote sensing of the condition of bean crop vigor
[INPE-5184-PRE/1652] 13 p2108 N91-21604
Spectral characteristics of agricultural crops and yield
[INPE-5125-RPE/630] 13 p2110 N91-21619

FORMAN, ROYCE G.
Behavior of surface and corner cracks subjected to tensile and bending loads in Ti-6Al-4V alloy
[NASA-TM-102165] 11 p1683 N91-19273
An evaluation of the fatigue crack growth and fracture toughness properties of beryllium-copper alloy CDA172
[NASA-TM-102166] 11 p1683 N91-19274

FORMAN, W.
The onset of galactic winds in early-type galaxies 05 p0747 N91-14165
Gas flows in elliptical galaxies 05 p0748 N91-14170
Stripping of gas and dust from the elliptical galaxy M86 05 p0748 N91-14171

FORMENTO, J. W.
Automated computer software development standards enforcement
[DE91-007328] 13 p2134 N91-21748

FORMISANO, A.
Inlet edge funnel of a civil aircraft gondola engine
[ETN-91-99775] 23 p3789 N91-31130

FORMISANO, V.
The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454
Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390

FORMISANO, VITTORIO
Methodology to treat stellar images
[IFSI-89-21] 05 p0733 N91-14094

FORNASIER, L.
An iterative procedure for the design of pressure-specified 3-dimensional configurations at subsonic and supersonic speeds by means of a higher-order panel method
[MBB-FE122/S/PUB/375] 14 p2194 N91-22118

FORNASIER, LUCIANO
Use of the VP-200 computer for aerothermodynamic problems
[MBB/FE122/S/PUB/388] 02 p0256 N91-11424

FORNEY, L. J.
Frequency response of a supported thermocouple wire: Effects of axial conduction
[NASA-CR-188069] 12 p1901 N91-20457
Frequency response of a supported thermocouple wire: Effects of axial conduction
[NASA-CR-188101] 13 p2088 N91-21489

FORREST, S.
Use of a genetic algorithm to analyze robust stability problems
[DE91-005895] 15 p2483 N91-23742
The perforamance of genetic algorithms on Walsh polynomials: Some anomalous results and their explanation
[DE91-008603] 19 p3218 N91-27783

FORRESTER, B. D.
Time-frequency domain analysis of helicopter transmission vibration
[ARL-PROP-R-180] 24 p3963 N91-32146

FORRESTER, D. A.
Developments to enhance meteorological forecasting for air traffic services 02 p0177 N91-11006

FORRISTALL, GEORGE Z.
Ocean response to a hurricane. Part 2: Data tabulations and numerical modeling
[AD-A236059] 19 p3202 N91-27698

FORSBERG, BERTIL
Measurements of air quality and meteorological conditions in seven communities in northern Sweden
[FOA-C-40281-4.5] 14 p2290 N91-22665

FORSHAW, S. E.
Evaluating the effectiveness of active noise reduction in flight helmets
[DCIEM-88-RR-34] 22 p3751 N91-30906

FORSLUND, D. W.
Adaptive grids and implicit differencing applied to plasma simulation
[DE91-007383] 10 p1603 N91-18846

FORSTER, J. R.
High-mass star formation in southern disk galaxies 05 p0758 N91-14218

FORSTER, R.
Application of advanced structural materials in propellant tanks and pressure vessels 03 p0331 N91-11852

FORSYTH, D. E.
DOPLIGHT 1987 project summary
[PB90-253584] 05 p0689 N91-13834

FORSYTH, DAVID
Projectively invariant representations using implicit algebraic curves
[OUEL-1829/90] 04 p0571 N91-13171

FORSYTH, E. B.
Intermetallic superconductors: The state of development in 1991
[DE91-014844] 21 p3599 N91-30026

FORSYTH, P. A.
An automatic ordering method for incomplete factorization iterative solvers
[DE91-001974] 08 p1210 N91-16659

FORSYTHE, K. W.
Optimal Walsh modulations in the presence of Doppler
[AD-A233723] 18 p2973 N91-26411

FORTE, PAUL, JR.
JPL initiative on historically black colleges and universities 19 p3271 N91-28096

FORTE, V. A., JR.
Level of dietary fat does not affect fuel oxidation or endurance exercise performance of soldiers
[AD-A235194] 18 p3030 N91-26728

FORTEZZA, R.
Experimental results on microgravitational fluid dynamics (TEXUS 14b) ESA 23 p3826 N91-31342

FORTI, MARIA CRISTINA
Hydrochemistry of solutions at the atmosphere-soil interface at a terra-firma (Central Amazon) forest ecosystem
[INPE-5095-RPE/625] 03 p0387 N91-12158

FORTMANN, R. C.
Cooling performance evaluation of a high-efficiency variable-speed electric heat pump in a contemporary research house
[PB91-159574] 17 p2779 N91-25379
Airliner cabin environment: Contaminant measurements, health risks, and mitigation options
[PB91-159384] 18 p3034 N91-26746

FORTNEY, L. R.
Studies of interactions between elementary particles and nuclei
[DE91-012300] 18 p3062 N91-26912
High energy physics
[DE91-015796] 23 p3926 N91-31939
FORTSON, BRYAN H.
Damage processes and fracture surface morphology in laminated composites
[AD-A227979] 07 p0972 N91-15338
FORTUNE, MICHAEL ALLAN
The evolution of vortical patterns and vortices in mesoscale convective complexes
02 p0236 N91-11319
FORVEILLE, THIERRY
The 1.3 mm continuum emission from circumstellar envelopes 13 p2175 N91-22007
FORWARD, ROBERT L.
Twenty-first century space propulsion study
[AD-A229279] 09 p1298 N91-17124
Exotic power and propulsion concepts
14 p2199 N91-22140
Twenty first century space propulsion study addendum
[AD-A238011] 21 p3467 N91-29225
FOSBURY, R. A. E.
PKS2152-69: A misdirected Blazar
09 p1444 N91-17960
FOSS, COLBY A., JR.
Solvent effects on simple electron transfer reactions. A comparison of results in Debye and non-Debye solvents
[AD-A237157] 21 p3574 N91-29875
Role of the solvent in kinetics of heterogeneous electron and ion transfer reactions
[AD-A237168] 21 p3574 N91-29876
FOSS, ERLING J.
Technology transfer in a changing national security environment
[AD-A232458] 15 p2526 N91-24000
FOSSUM, E.
Interfacial and thin film chemistry in electron device fabrication
[AD-A229609] 22 p3667 N91-30416
FOSSUM, E. R.
Scientific CCD technology at JPL
14 p2360 N91-23057
FOSSUM, ERIC R.
Issues and directions in IR detector readout electronics 06 p0794 N91-14387
FOSTER, C. A.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
FOSTER, G. W.
In-flight measurements on a Tornado aircraft for stores carriage and release research
[RAE-TM-AERO-2180] 06 p0783 N91-14341
FOSTER, I.
Parallel scalability of the spectral transform method
[DE91-017991] 24 p4071 N91-32744
FOSTER, IAN
Bilingual parallel programming
[DE91-006030] 09 p1389 N91-17638
FOSTER, J.
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252
FOSTER, J. M.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
TDF specification
[RSRE-91005] 22 p3729 N91-30756
FOSTER, JOHN E.
Performance and optimization of a derated ion thruster for auxiliary propulsion
[NASA-TM-105144] 21 p3467 N91-29229
FOSTER, ROBERT E.
Metal etching composition
[NASA-CASE-MFS-29576-1] 07 p0978 N91-15368
FOSTER, SCOTT H.
Virtual acoustics displays 14 p2355 N91-23023
FOTAKIS, C.
High brightness electron beam production by laser induced various order multiphoton photoeffects of gold
[DE91-009150] 13 p2092 N91-21514
FOTTNER, LEONHARD
Test cases for computation of internal flows in aero engine components
[AGARD-AR-275] 02 p0181 N91-11022
FOUDRIAT, E. C.
Building a generalized distributed system model
15 p2521 N91-23971
FOUGHNER, JEROME T., JR.
Transonic Symposium: Theory, Application and Experiment, volume 2
[NASA-CP-3020-VOL-2] 16 p2550 N91-24132
FOUILLOT, J. P.
Impact of new technology on operational interface: From design aims to flight evaluation and measurement
02 p0169 N91-10977
Study of pilot vigilance during long range flight
08 p1194 N91-16561
FOUKAL, P.
Solar cycle modulation of total irradiance: An empirical model from 1874 to 1988 03 p0445 N91-12484
FOUKAL, PETER V.
The program on radiative inputs of the sun to the Earth (rise) 03 p0442 N91-12473
Solar astronomy 24 p4120 N91-33026
FOULADI-SEMNANI, KAMRAN
Navier-Stokes simulations of flows about complex configurations using domain decomposition techniques
17 p2776 N91-25362
FOURER, R.
New constructs for the description of combinatorial optimization in algebraic modeling languages
[MEMO-901] 14 p2309 N91-22756
FOURMAUX, ANTOINE
Visualization of three dimensional unsteady computation results
[AAAF-NT-89-23] 23 p3913 N91-31850
FOURNIER, JOSEPH
EMU helmet mounted display
[NASA-CASE-MSC-21460-1] 05 p0697 N91-13879
FOURQUET, JEAN-YVES
Time-optimal motion of robotic manipulators including nonlinear dynamics
[LAAS-90403] 15 p2440 N91-23516
FOURTINE, STEPHANE
Design of GaAlAs/GaAs GRIN-SCH SQW diode lasers. Analysis of the temperature dependence
[LAAS-90277] 05 p0667 N91-13708
FOUSHEE, CLAY
National plan to enhance aviation safety through human factors improvements 02 p0162 N91-10940
FOUST, C. R.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
Fueling of magnetically confined plasmas by single- and two-stage repeating pneumatic pellet injectors
[DE91-002635] 06 p0875 N91-14839
FOUTTER, R. R.
A survey of optical diagnostic methods for the study of fuel fouling
[AD-A237361] 21 p3581 N91-29920
FOWLER, C. M.
Fermi surface of YBCO by DHVA
[DE91-009963] 15 p2516 N91-23943
FOWLER, CHRISTOPHER W.
Implementation of an exact penalty function formulation to solve convex nonlinear programming problems
[AD-A237905] 21 p3556 N91-29761
FOWLER, P. H.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970
FOWLER, PRISCILLA
Software engineering process group guide
[AD-A235784] 19 p3223 N91-27814
FOWLER, R. H.
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
FOWLER, ROBERT J.
Interprocessor invocation on a NUMA multiprocessor
[AD-A228930] 09 p1387 N91-17631
FOWLER, T. K.
Some observations concerning alpha instabilities and driven tokamak reactors
[DE91-008628] 13 p2158 N91-21898
Space propulsion by fusion in a magnetic dipole
[DE91-012033] 20 p3302 N91-28275
Implications of TAE modes for the design of ITER
[DE91-013128] 20 p3418 N91-28952
FOWLER, T. KENNETH
Is there hope for fusion
[DE90-012095] 08 p1223 N91-16736
Theoretical studies of tokamaks
[DE90-011332] 08 p1228 N91-16768
FOX, ARNOLD
Gas-phase formation of silicon carbides, oxides, and sulphides from atomic silicon ions
06 p0908 N91-15014
FOX, CHARLES H., JR.
Reynolds number effects on the transonic aerodynamics of a slender wing-body configuration
16 p2550 N91-24134
FOX, DANIEL N.
Fitting seasonal averages with a continuous function
[AD-A238300] 21 p3546 N91-29704
FOX, DANTEL N.
Objective use of satellite altimetry and IR in simulations of western boundary current dynamics
[AD-A231628] 13 p2125 N91-21695
FOX, DAVID DEAN
A geometrically exact shell theory
17 p2789 N91-25433
FOX, ERIC E.
Bifurcation analysis of the longitudinal dynamics of a simple powered lifting hypersonic vehicle
[AD-A230826] 13 p2021 N91-21118
FOX, J. L.
Studies of the chemistry of the nightside ionosphere of Venus
[NASA-CR-187714] 06 p0930 N91-15114
FOX, JEFFERY A.
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
FOX, M. R.
Stress corrosion cracking of candidate structural materials under simulated first-wall/aqueous coolant environments
[DE91-006370] 09 p1316 N91-17225
FOX, MARYE A.
Surface mediated photocatalysis
[AD-A233748] 18 p2945 N91-26246
FOX, MATTHEW W.
The day-to-day variability of total content, peak density and slab thickness, and the ionospheric response to geomagnetic storms
[AD-A233294] 16 p2658 N91-24706
FOX, PETER A.
Global models of intermediate timescale variability on the sun 03 p0440 N91-12461
FOX, R. J.
Compact rf heating and levitation systems for the NASA modular electromagnetic levitator
13 p2064 N91-21364
FOX, ROBERT L.
Rapid induction bonding of composites, plastics, and metals 14 p2359 N91-23049
FOZZOLARI, R.
Innovative techniques for the production of energetic radicals for lunar materials processing including photogeneration via concentrated solar energy
16 p2593 N91-24370
FRAAS, L. M.
Tandem concentrator solar cells with 30 percent (AMO) power conversion efficiency 11 p1667 N91-19189
The effects of electron and proton radiation on GaSb infrared solar cells 22 p3638 N91-30244
FRAAS, LEWIS M.
Key results of the mini-dome Fresnel lens concentrator array development program under recently completed NASA and SDIO SBIR projects
22 p3634 N91-30223
FRADENBURGH, EVAN A.
Overview of helicopter and V/STOL aircraft
10 p1459 N91-18049
Basic aerodynamics for rotor performance
10 p1460 N91-18050
FRAGASZY, R. J.
Geotechnical Engineering, 1989
[PB90-222159] 01 p0069 N91-10415
FRAGUAS, A. L.
Effect of the aspect ratio on the stability limits of TJ-II-like stellarators
[DE91-011364] 17 p2868 N91-25867
FRALICK, G. C.
Frequency response of a supported thermocouple wire: Effects of axial conduction
[NASA-CR-188069] 12 p1901 N91-20457
Frequency response of a supported thermocouple wire: Effects of axial conduction
[NASA-CR-188101] 13 p2088 N91-21489
FRAME, B. J.
Composite heat damage. Part 1: Mechanical testing of IM6/3501-6 laminates. Part 2: Nondestructive evaluation studies of IM6/3501-6 laminates
[DE90-016207] 01 p0021 N91-10125
FRANC, O.
Oxidation resistant carbon/carbon materials
03 p0328 N91-11824
Oxidation resistant carbon/carbon materials
[REPT-911-430-105] 15 p2394 N91-23251
Materials and structure for Hermes
[REPT-911-430-117] 15 p2395 N91-23258
FRANCE, D. M.
Two-phase flow patterns and frictional pressure gradients in a small, horizontal, rectangular channel
[DE90-014802] 01 p0040 N91-10236

Two-phase flow patterns and frictional pressure gradients in a small rectangular channel
[DE91-009652] 15 p2421 N91-23414
Adiabatic two-phase flow frictional pressure drop. Part 2: A generalized method for data correlation
[DE91-014462] 21 p3512 N91-29501
Adiabatic two-phase flow frictional pressure drop. Part 1: Critical parameters and friction factors for air-water mixture
[DE91-014463] 21 p3512 N91-29502

FRANCESCHETTI, G.
A parallel distributed system for SAR image processing 07 p0992 N91-15444

FRANCESCHINI, ALBERTO
Extragalactic source counts, confusion limits and contributions to the background radiation in the sub-mm 13 p2173 N91-21995
Millimeter observations of a complete sample of galaxies: Implications for gas mass and cold dust component 13 p2174 N91-21999

FRANCHI, R. E.
A boundary scattering strength extraction algorithm for the analysis of long-range reverberation data
[AD-A233721] 18 p3056 N91-26877

FRANCHITO, SERGIO HENRIQUE
Numerical experiments with climatic zonally-averaged models
[INPE-5083-TDL/417] 02 p0241 N91-11343

FRANCHOIS, P.
Total ozone, ozonesonde, and Umkehr observations for satellite ozone data validation 11 p1732 N91-19525

FRANCIS, E. C.
Shear stress transducer concepts 16 p2577 N91-24283
Normal stress transducer behavior 16 p2577 N91-24284

FRANCIS, PETER W.
Report of the panel on volcanology, section 4 13 p2106 N91-21593

FRANCISCO, SHERMAN G.
Cooperative ADS/AAS integration 24 p3958 N91-32120

FRANCISCUS, LEO C.
Multi-heat addition turbine engine
[NASA-CASE-LEW-15094-1] 15 p2381 N91-23180

FRANCK, BRUNO M.
Developing a framework for qualitative engineering: Research in design and analysis of complex structural systems 01 p0054 N91-10322

FRANCK, SIEGFRIED
Planetary surface structure and evolution of Mars 17 p2911 N91-26071

FRANCO, M. M.
A portable Ka-band front-end test package for beam-waveguide antenna performance evaluation. Part 1: Design and ground tests 24 p3986 N91-32269
A portable Ka-band front-end test package for beam-waveguide antenna performance evaluation. Part 2: Tests on the antenna 24 p3986 N91-32270
Efficiency calibration of the DSS 13 34-meter diameter beam waveguide antenna at 8.45 and 32 GHz 24 p3986 N91-32271

FRANCOIS, G.
Instrumentation under development for the ONERA F4 wind tunnel
[AAAF-NT-89-11] 23 p3798 N91-31187

FRANCOIS, PHILIPPE
Contribution to the study of automatic rounded error control: The SCALP method
[ETN-90-98206] 04 p0566 N91-13146

FRANCY, FAYE I.
International Civil Aviation Organization (ICAO) Automatic Dependent Surveillance Panel (ADSP) activities 24 p3955 N91-32097

FRANK, A.
Edge-disjoint circuits in graphs on the torus
[CWI-BS-R9014] 10 p1583 N91-18720

FRANK, A. L.
The ionizing radiation environment of LDEF prerecovery predictions 16 p2707 N91-24980
Charged particle LET-spectra measurements aboard LDEF 16 p2709 N91-24989
Radiation exposure of LDEF: Initial results 16 p2709 N91-24993
Radiation experiments on Cosmos 2044: K-7-41, parts A, B, C, D, E
[NASA-CR-188540] 17 p2860 N91-25819

FRANK, A. M.
Mechanisms of EBW HE initiation
[DE91-013565] 20 p3331 N91-28447
Photography of shock waves in explosive crystals
[DE91-015772] 23 p3867 N91-31572

FRANK, ALAN M.
Aluminum metal combustion in water revealed by high speed microphotography
[DE90-017525] 02 p0193 N91-11082

FRANK, D. N.
Upgrade of the LLNL Nova laser for inertial confinement fusion
[DE91-008060] 11 p1712 N91-19430

FRANK, DEBORAH
Response time satisfaction in a real-time knowledge-based system
[DE90-015994] 07 p1077 N91-15927

FRANK, H.
Rosat mission planning 14 p2214 N91-22232

FRANK, J.
Levelling of spacecraft equipped with heatpipes during space simulation tests 07 p0958 N91-15273

FRANK, KONRAD
Energy-efficient penetration of targets
[AD-A232227] 15 p2440 N91-23518

FRANK, THOMAS
Contamination capacitance probe system
[AD-D014912] 19 p3168 N91-27519

FRANK, W.
Evolution of the IOI operations concept and of the related communications architecture between control facilities 14 p2210 N91-22209

FRANKE, JOHN M.
A synchronous strobed laser light sheet for rotor flow visualization
[NASA-TM-4266] 14 p2267 N91-22540
Synchronous strobe apparatus for flow visualization
[NASA-CASE-LAR-14556-1] 17 p2781 N91-25392

FRANKEL, DONALD
Predicting cloud-to-ground lightning with neural networks 24 p4054 N91-32646

FRANKEL, DONALD S.
Investigation of the prediction of lightning strikes using neural networks
[AD-A229042] 10 p1556 N91-18555
Improved ANS lightning predictors using additional surface wind and electric field data
[AD-A236771] 19 p3202 N91-27700

FRANKEL, N. E.
Relativistic spin-one boson plasma
[DE91-617613] 16 p2693 N91-24907
Inclusion of short-range order in a mean field theory for the disordered magnetic lattice gas
[DE91-617804] 16 p2696 N91-24932

FRANKLIN, A. LYNN
A candidate configuration for automated process monitoring
[DE90-010991] 09 p1348 N91-17406

FRANKLIN, M. J.
Spatial and temporal relationships between localized microbial metabolic activity and electrochemical activity of steel
[DE91-008102] 11 p1684 N91-19279
A study of carbon steel corrosion inhibition by phosphate ions and by an organic buffer using a scanning vibrating electrode
[DE91-008103] 11 p1684 N91-19280
Effect of bacterial biofilms on carbon steel pit propagation in phosphate containing medium
[DE91-010806] 18 p2956 N91-26316

FRANKLIN, S. W.
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185

FRANKS, ALAN M.
Measured and predicted shock shapes for AFE configuration at Mach 6 in air and in CF4
[NASA-TM-100660] 01 p0042 N91-10245

FRANSEN, L. J.
High-quality 800-b/s voice processing algorithm
[AD-A232352] 15 p2414 N91-23372

FRANSSON, CLAES
Narrow circumstellar emission lines in SN 1987A 09 p1443 N91-17953

FRANSZ, H. G.
Joint global ocean flux study. North Atlantic pilot study. Leg 3: Den Helder-Funchal-Reykjavik, 17 April to 31 May 1990 with research vessel TYRO
[PB91-157479] 17 p2815 N91-25559

FRANTSEN, B. S.
Color selection in Luscher test as emotional status indicator in flight personnel 10 p1561 N91-18588

FRANTZ, CH. E.
The influence of shock pre-strain and peak pressure on spall behavior of 4340 steel
[DE90-016612] 01 p0027 N91-10164

FRANTZ, F. K.
Distributed System Modeling Environment (DSME)
[AD-A226698] 08 p1198 N91-16583

FRANTZISKONIS, G.
Development of construction materials like concrete from lunar soils without water 17 p2749 N91-25213

FRANZ, H. E.
Microfractography of fiber reinforced composite materials
[MBB-Z-0326-90-PUB] 22 p3645 N91-30287

FRANZ, J. A.
A theoretical and experimental study of unimolecular and biomolecular radical hydrogen transfer reactions
[DE91-012607] 21 p3473 N91-29261

FRANZ, T. P.
Field intercomparison of precipitation samplers for assessing wet deposition of organic contaminants
[PB91-125880] 13 p2112 N91-21629

FRANZEN, D. L.
Technical Digest-Symposium on Optical Fiber Measurements, 1990
[PB91-132308] 16 p2688 N91-24879

FRANZEN, W.
Characterization of ion-implanted aluminum and iron by spectroscopic ellipsometry
[DE91-008371] 11 p1685 N91-19283
Ellipsometric study of metal samples 16 p2717 N91-25041

FRASCA, A. J.
Neutron, gamma ray and post-irradiation thermal annealing effects on power semiconductor switches
[NASA-TM-105248] 24 p4008 N91-32410

FRASCA, PETER
An intelligent computer-to-computer transmission package
[PB91-163055] 22 p3726 N91-30737

FRASER-SMITH, ANTHONY C.
Ionospheric modification using relativistic electron beams 10 p1551 N91-18532

FRASER, H. L.
Research and development for improved toughness aluminides
[AD-A226627] 05 p0636 N91-13524

FRASER, HAMISH L.
Direct cast titanium alloy strip
[AD-A227639] 07 p0979 N91-15375

FRASER, J. C.
Advanced optical sensing and processing technologies for the distributed control of large flexible spacecraft
[NASA-CR-4399] 23 p3874 N91-31609

FRASER, MARTIN
Assessment and development of software engineering tools
[AD-A233471] 17 p2829 N91-25627

FRASER, R. A.
Autoignition of methane and natural gas in a simulated diesel environment
[PB91-167486] 19 p3177 N91-27566

FRASHIER, DANIEL B.
Lightning ground strikes analyzed by singularity and fractal techniques. A mesoscale convective complex: Case study
[AD-A227649] 07 p1030 N91-15654

FRATE, DAVID T.
Nickel-hydrogen cell low-Earth life test update
[NASA-TM-105229] 23 p3890 N91-31708

FRATINI, ALBERT V.
X ray diffraction studies of the structure of ordered polymers and related electro-active materials
[AD-A231923] 14 p2249 N91-22442

FRAZIER, D. O.
Ellipsometric measurement of liquid film thickness 19 p3269 N91-28084

FRAZIER, THOMAS P.
Estimating fixed and variable costs of airframe manufacturers
[AD-A232661] 15 p2363 N91-23077

FRAZIER, W. E.
Mechanical properties of spray atomized SiC particle reinforced aluminum-titanium alloys
[AD-A235231] 18 p2955 N91-26306

FRAZIER, WILLIAM F.
Rapid solidification processing of Al3Ti and Al3Ti plus copper
[AD-A236600] 20 p3314 N91-28343

FREAR, D. R.
Grain boundary chemistry in Al-Cu metallizations as determined by analytical electron microscopy
[DE91-012007] 18 p2957 N91-26319
Microstructural characterization of solders and brazes for advanced packaging technology
[DE91-011503] 20 p3320 N91-28379
Lead-free solders for electronics applications: Wetting analysis
[DE91-014900] 21 p3483 N91-29320

FRECHET, JEAN M.
Photogenerated amines and diamines: Novel curing systems for thin film coatings
[AD-A235568] 19 p3117 N91-27219

Photogeneration of reactive amine functionalities within polymers: Synthesis of photoprecursor copolymers and their use in photocuring
[AD-A235847] 19 p3139 N91-27343
The photogeneration of organic bases from o-nitrobenzyl derived carbamates
[AD-A235848] 19 p3139 N91-27344
Solid state quantum yield determination of a novel base photogenerator
[AD-A235686] 19 p3168 N91-27514

FREDERICK, EARL B.
High-resolution measurements of surface topography with airborne laser altimetry and the global positioning system 17 p2795 N91-25462

FREDERICK, R. A.
Diagnostic measurements on an aluminized propellant plume during spin and nonspin testing
[AD-A232031] 15 p2391 N91-23235

FREDERICKS, W. J.
Evaluation of advanced light scattering technology for microgravity experiments
[NASA-CR-187965] 10 p1507 N91-18293

FREDERICKSON, A. R.
Patterns of discoloration and oxidation by direct and scattered fluxes, especially oxygen on silicon 16 p2717 N91-25043

FREDERICKSON, P. A.
CEAREX/Haakon Mosby meteorology atlas
[AD-A236752] 19 p3202 N91-27699

FREDERICKSON, PAUL O.
Normalized convergence rates for the PSMG method
[AD-A231311] 13 p2136 N91-21764

FREDGA, K.
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915

FREDRICKSON, J. K.
Field calibration of soil-core microcosms for evaluating fate and effects of genetically engineered microorganisms in terrestrial ecosystems
[DE91-011258] 17 p2807 N91-25518

FREDRICKSON, KENT A.
Numerical study of non-impulsively started flow around a circular cylinder
[AD-A238051] 21 p3515 N91-29519

FREDRICKSON, LYLE J.
Research in mathematics and computer science: Calculation of the probability of undetected error for certain error detection codes, phase 2
[AD-A238234] 21 p3557 N91-29768

FREDRIKSSON, H.
Solidification of alloys (TEXUS 1) 23 p3837 N91-31400
Solidification of alloys (TEXUS 2) 23 p3838 N91-31401
Macrosegregation in Ag-Sn alloys (MASER 1) 23 p3838 N91-31402
Directional solidification of Al-Cu alloys (MASER 2) 23 p3838 N91-31403
Solidification of immiscible alloys: ZnBi (TEXUS 2) 23 p3840 N91-31415
The coalescence process in immiscible alloys (TEXUS 3) 23 p3840 N91-31416
The coalescence process in immiscible alloys (TEXUS 5) 23 p3841 N91-31417
Unidirectional solidification of immiscible alloys (TEXUS 5) 23 p3841 N91-31418
Unidirectional solidification of immiscible alloys (TEXUS 7) 23 p3841 N91-31419
Unidirectional solidification of Zn-Bi samples (TEXUS 14b) 23 p3841 N91-31420
Directional solidification of immiscible alloys Zn-Pb (MASER 2) 23 p3841 N91-31421
Tungsten composites (TEXUS 10) 23 p3846 N91-31444
Tungsten composites (TEXUS 19) ESA 23 p3846 N91-31445

FREED, A. D.
Asymptotic integration algorithms for nonhomogeneous, nonlinear, first order, ordinary differential equations
[NASA-TM-103793] 13 p2143 N91-21797

FREED, ALAN D.
An overview of self-consistent methods for fiber-reinforced composites
[NASA-TM-103713] 11 p1675 N91-19232
On the thermodynamics of stress rate in the evolution of back stress in viscoplasticity
[NASA-TM-103794] 11 p1721 N91-19476
Progress in modeling deformation and damage 12 p1839 N91-20108
From differential to difference equations for first order ODEs
[NASA-TM-104530] 19 p3235 N91-27886
Exponential integration algorithms applied to viscoplasticity
[NASA-TM-104461] 19 p3237 N91-27901

FREEDMAN, ANDREW
Patterned etching of infrared detector arrays
[AD-A236124] 19 p3145 N91-27384

FREEDMAN, GLENN B.
Software engineering and the role of Ada: Executive seminar
[NASA-CR-187266] 04 p0557 N91-13087
A report on NASA software engineering and Ada training requirements
[NASA-CR-187390] 04 p0557 N91-13089
PC tools for project management: Programs and the state-of-the-practice
[NASA-CR-187392] 04 p0558 N91-13094
RICIS research 10 p1567 N91-18618
An overview of the education and training component of RICIS 10 p1568 N91-18622
A model for addressing navigation limitations and metacognitive constraints in hypermedia training systems 13 p2165 N91-21945

FREEDMAN, M.
Cellular automata and parallel processing for practical fluid-dynamics problems
[AD-A229234] 09 p1388 N91-17635

FREEDMAN, MARC R.
Mechanical behavior and failure phenomenon of an in situ-toughened silicon nitride
[NASA-TM-103741] 15 p2404 N91-23311

FREEDMAN, MICHAEL
Nonlinear stability in fluids and plasma dynamics-conformal quasi-conformal geometry: Iteration, distoration, dynamics, and circle packing
[AD-A229469] 22 p3755 N91-30934

FREEDMAN, ROBERT J.
Rotating pressure measurement system using an on board calibration standard
[NASA-TM-103676] 11 p1707 N91-19401

FREEMAN, ARTHUR J.
Energetics, bonding mechanism and electronic structure of metal/ceramic interfaces
[DE91-009787] 18 p2944 N91-26239
Quantum mechanical approach to understanding microstructural and mechanical properties of intermetallics
[AD-A234702] 18 p2953 N91-26298

FREEMAN, B. L.
Fermi surface of YBCO by DHVA
[DE91-009963] 15 p2516 N91-23943

FREEMAN, D.
Propulsion studies for advanced manned launch systems 20 p3294 N91-28213

FREEMAN, G. B.
Effects of high-intensity solar radiation on carbon fibers
[DE91-015485] 21 p3471 N91-29252

FREEMAN, GARTH B.
Grain structure and growth of dispersed phase BN-AlN coatings grown via chemical vapor deposition
[DE91-006283] 09 p1319 N91-17242

FREEMAN, JOHN R.
Numerical models of beam dynamics in ion induction linacs
[DE90-017043] 01 p0120 N91-10713

FREEMAN, JONATHAN DENNIS
Estimation of astronomical images from the bispectrum of atmospherically distorted infrared data 01 p0136 N91-10806

FREEMAN, K.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195

FREEMAN, L. MICHAEL
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-184044] 10 p1626 N91-18967

FREEMAN, M. J.
Stratigraphy of the late Proterozoic Gaylad Sandstone, northeastern Amadeus Basin, and recognition of an underlying regional unconformity 19 p3194 N91-27658

FREEMAN, W. TOM
Cost-efficient manufacturing of composite structures 14 p2359 N91-23048

FREEMAN, WILLIAM T., JR.
Filament wound metal lined propellant tanks for future Earth-to-orbit transports
[NASA-TM-100594] 01 p0018 N91-10106

FREEMAN, YVONNE B.
NASA-HBCU Space Science and Engineering Research Forum Proceedings
[NASA-CR-188650] 19 p3266 N91-28063

FREERICKS, J. K.
Electron correlations in solid state physics
[DE91-013752] 20 p3430 N91-29030

FREESE, J. M.
Exploratory battery technology development and testing report for 1989
[DE91-006753] 11 p1698 N91-19352
Exploratory battery technology development report for FY90
[DE91-012131] 20 p3338 N91-28485

FREHLICH, R. G.
Theory of CW lidar aerosol backscatter measurements and development of a 2.1 microns solid-state pulsed laser radar for aerosol backscatter profiling
[NASA-CR-4347] 11 p1725 N91-19498

FREI, ALAN
FIRE extended time/limited area observations at Palisades, New York 01 p0090 N91-10527

FREI, ALLAN
Identification of Cirrus over Wausau during the 1986 FIRE IFO from ground-based radiometer data 01 p0078 N91-10469

FREIREFERRERO, R.
The very high rotators in the late-B and early-A stars: Shell stars with Si IV and C IV features the case of HD 119921 09 p1435 N91-17905
The chromospheric Lyman-alpha core emission of Altair 09 p1436 N91-17913

FREISER, B. S.
The effects of donor-acceptor electronic interactions on the rates of gas-phase metallocene electron-exchange reactions
[AD-A237459] 21 p3574 N91-29878

FREISER, H.
Recovery of precious metals in space 17 p2753 N91-25239

FREISER, HENRY
Recovery of precious metals from space 16 p2595 N91-24379

FREITAS, JOHN E.
Laser ionic multiphoton dissociation of some acrylate clusters
[AD-A233801] 18 p2945 N91-26247
The structure of the cyclohexyl radical from state-selective photofragment translational spectroscopy of the axial and equatorial conformers of iodocyclohexane
[AD-A236769] 19 p3242 N91-27934

FREKERS, D.
High intensity neutrino beams at KAON
[DE91-012147] 20 p3398 N91-28830

FRENCH, D. C.
The 3-D NMR imaging: A chemical microscope for analysis of heterogeneous macromolecular networks
[DE91-015109] 21 p3491 N91-29375

FRENCH, DONALD A.
Numerical analysis and computation of nonlinear partial differential equations from applied mathematics
[AD-A231188] 13 p2144 N91-21806

FRENCH, J. B.
Theoretical nuclear physics
[DE91-016745] 23 p3926 N91-31936

FRENCH, J. C.
An introduction to the ADAMS interface language, part 1
[DE91-014344] 20 p3385 N91-28757
Performance measurement of a parallel input/output system for the Intel iPSC/2 hypercube
[DE91-014219] 20 p3389 N91-28779
Implementation of a hypercube database system
[DE91-014285] 20 p3440 N91-29089

FRENCH, J. D.
Strength and toughness of tailored ceramic microstructures
[AD-A232911] 16 p2605 N91-24433

FRENCH, JAMES
Options for Martian propellant production 17 p2911 N91-26069

FRENCH, JONATHAN
Effects of bright illumination on oral temperature and cognitive performance in humans during nighttime hours
[AD-A232787] 15 p2478 N91-23722

FRENCH, N. H.
ALP FOPEN site description and ground truth summary
[AD-A224857] 03 p0384 N91-12143

FRENDI, ABDELKADER
A numerical study of ignition limits for methane-air mixtures 14 p2242 N91-22404

FRENKLACH, MICHAEL
PAH formation in carbon-rich circumstellar envelopes 06 p0908 N91-15015
Computer modeling of soot formation comparing free radical and ionic mechanisms
[AD-A232820] 15 p2399 N91-23287

FRENSLEY, W. R.
Quantum device development
[AD-A225813] 04 p0587 N91-13280
Few-electron lateral resonant tunneling semiconductor devices
[AD-A236901] 19 p3255 N91-28012
FRENZEL, DIETMAR
Projects of the European space travel program
04 p0491 N91-12727
FRENZEN, CHRIS
A comment on the derivation of the Langmuir isotherm for the adsorption kinetics
[AD-A236709] 19 p3127 N91-27278
FRERKING, MARGARET A.
Development of components for submillimeter wave heterodyne radiometers at JPL
13 p2176 N91-22017
FRESE, JOHANNES
Crashworthiness investigations in the preliminary design phase of the NH90
[MBB-UD-0579-90-PUB] 11 p1648 N91-19088
FRESE, K. W.
Electrochemical oxidation of methane at metal and metal oxide electrodes
[PB90-205196] 01 p0024 N91-10140
FRETHEIM, ERIK J.
A vision system model
[AD-A238459] 21 p3583 N91-29930
FREUDENBERG, JAMES S.
Robustness of feedback systems with several modelling errors
[AD-A225365] 03 p0409 N91-12286
FREUDENREICH, H. T.
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
FREUDINGER, LAWRENCE C.
Analysis of structural response data using discrete modal filters
[NASA-CR-179448] 14 p2193 N91-22116
FREUDLING, WOLFRAM
A search for streaming motion around the Hercules void 07 p1085 N91-15966
FREUH, JIM
Mars manned fusion spaceship
[NASA-CR-188215] 15 p2390 N91-23232
FREUND, F.
Low-pressure clathrate-hydrate formation in amorphous astrophysical ice analogs 17 p2892 N91-25985
FREUND, L. B.
Simulation of transient glide of a threading dislocation in an embedded strained expitaxial layer
[AD-A226965] 06 p0881 N91-14867
Spiral cracking around a strained cylindrical inclusion in a brittle material and implications for vias in integrated circuits
[AD-A236248] 19 p3134 N91-27320
Part 1: Mechanics of thin films. Part 2: Fracture re of solids
[AD-A236209] 19 p3180 N91-27583
The structure of the near tip field during transient elastodynamic crack growth
[AD-A236889] 19 p3181 N91-27589
FREUND, RICHARD F.
Superconcurrency: A form of distributed heterogeneous supercomputing
[AD-A236524] 19 p3230 N91-27854
FREUND, ROLAND W.
On polynomial preconditioning for indefinite Hermitian matrices
[NASA-CR-188857] 24 p4084 N91-32814
QMR: A Quasi-Minimal Residual method for non-Hermitian linear systems
[NASA-CR-188882] 24 p4084 N91-32818
An implementation of the look-ahead Lanczos algorithm for non-Hermitian matrices
[NASA-CR-188889] 24 p4085 N91-32820
Krylov subspace methods for complex non-Hermitian linear systems
[NASA-CR-188891] 24 p4085 N91-32821
A biconjugate gradient type algorithm on massively parallel architectures
[NASA-CR-188888] 24 p4089 N91-32848
FREVERT, ERICH
The industrial application of radiation sources
[OEFZS-4566] 22 p3753 N91-30921
FREY, H. C.
Emissions and cost estimates for globally significant anthropogenic combustion sources of NOx, N2O, CH4, CO, and CO2
[PB90-216433] 03 p0387 N91-12157
FREY, H. U.
Holography: A successful tool for distortion measurements on antennas under space simulation conditions 07 p0957 N91-15268
FREY, HERBERT V.
MEVTV study: Early tectonic evolution of Mars: Crustal dichotomy to Valles Marineris 14 p2349 N91-22990
Are Noachian-age ridged plains (Nplr) actually early Hesperian in age 14 p2349 N91-22991
Geology, structure, and statistics of multi-ring basins on Mars 14 p2352 N91-23005
FREY, JEFFREY
Design of submicron-scale compound semiconductor devices for optimum circuit performance
[AD-A227867] 07 p1075 N91-15914
Modeling failure and reliability in new-generation devices
[AD-A230998] 13 p2077 N91-21439
FREY, MICHAEL R.
Capacity of the independent increment noise channel
[AD-A235545] 19 p3149 N91-27405
Capacities of the Mean-Square-Constrained poisson channel
[AD-A235546] 19 p3149 N91-27406
FREY, RICHARD
Cloud altitude determination from infrared spectral radiances 01 p0079 N91-10474
User's guide: Nimbus-7 Earth radiation budget narrow-field-of-view products. Scene radiance tape products, sorting into angular bins products, and maximum likelihood cloud estimation products
[NASA-RP-1246] 04 p0549 N91-13043
FREYER, U.
GaAs MMICs in selfaligned gate technology for phased array radar application 07 p0941 N91-15160
FREYMANN, RAYMOND
Actively damped landing gear system
20 p3285 N91-28165
FREYMUTH, P.
Vortex patterns behind airfoils in streamwise oscillation
[AD-A229883] 12 p1829 N91-20049
FRI, R. W.
Energy-related environmental issues in a global context
[DE91-009538] 15 p2459 N91-23627
FRIBERG, P.
NCEER strong-motion data base: A user manual for the geobase release (version 1.0 for the SUN3)
[PB90-258062] 02 p0235 N91-11315
FRICK, S. E.
Progress in ultrasonic measurements research in 1990: Transient sources for acoustic emission work
[AD-A234965] 18 p3056 N91-26882
FRICKE, K. J.
Correlations between environmental parameters and nuclear activity 08 p1257 N91-16920
FRICKE, MANFRED
Simulation of automated approach procedures considering dynamic flight operations
02 p0178 N91-11008
FRICKE, S. H.
Sub-barrier fusion and near-barrier quasi-elastic scattering
[DE91-006046] 09 p1396 N91-17685
FRICKE, W.
Cryo-calibration facility for ISOPHOT
07 p0957 N91-15264
FRICKER, DAVID M.
Flow visualization and hot gas ingestion characteristics of a vectored thrust STOVL concept
12 p1836 N91-20090
FRIDGE, ERNEST M., III
The advanced software development workstation project 12 p1945 N91-20701
Software reengineering 15 p2536 N91-24047
FRIDGE, ERNIE
Systems engineering and integration: Cost estimation and benefits analysis 09 p1283 N91-17052
FRIDMAN, A. M.
On leading spiral arms in close pairs of galaxies
08 p1259 N91-16935
FRIED, B. D.
Conversion of electrostatic and electromagnetic waves in a plasma at the peak of a parabolic density profile
[AD-A230560] 12 p1983 N91-20909
FRIED, ELIOT
On the construction of two-phase equilibria in a non-elliptic hyperelastic material
[AD-A232628] 15 p2448 N91-23558
Linear stability of a two-phase process involving a steadily propagating planar phase boundary in a solid. Part 1: Purely mechanical case
[AD-A236502] 19 p3180 N91-27587
Linear stability of a two-phase process involving a steadily propagating planar phase boundary in a solid. Part 2: Thermomechanical case
[AD-A236541] 19 p3181 N91-27588
FRIED, Z.
Non-specular scattering from roughened aluminum surfaces
[AD-A231824] 14 p2269 N91-22553
FRIEDERICH, PAUL
A complex permittivity and permeability measurement system for elevated temperatures
[NASA-CR-187240] 04 p0578 N91-13219
A complex permittivity and permeability measurement system for elevated temperatures
[NASA-CR-186916] 05 p0650 N91-13609
FRIEDJUNG, M.
The VV Cep star KQ Puppis 09 p1438 N91-17924
FRIEDL, KARL E.
Assessment of body weight standards in male and female Army recruits
[AD-A224586] 03 p0394 N91-12188
FRIEDLAND, PETER
Operational efficiency subpanel advanced mission control 09 p1280 N91-17037
FRIEDLANDER, ALAN L.
A global view of lander-to-orbiter communications accessibility for a Mars Global Network Mission
06 p0788 N91-14362
Analysis of success probability/cost trades for small landers in a Mars network 06 p0789 N91-14363
FRIEDLANDER, BENJAMIN
Advanced techniques for array processing
[AD-A238218] 22 p3662 N91-30389
FRIEDLANDER, ERWIN M.
Multiple particle production processes in the light of quantum optics
[DE91-005290] 10 p1611 N91-18887
FRIEDMAN, D. J.
GaInP2/GaAs tandem cells for space applications
22 p3633 N91-30215
Radiation hardness of Ga0.5In0.5 P/GaAs tandem solar cells 22 p3638 N91-30243
FRIEDMAN, DONALD S.
Biomedical applications of NASA technology
14 p2355 N91-23028
FRIEDMAN, H. W.
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511
FRIEDMAN, HERBERT
High energy from space 24 p4119 N91-33023
FRIEDMAN, M.
Simulation studies of a klystronlike amplifier operating in the 10 to 100 GW regime
[AD-A229858] 12 p1891 N91-20398
High power klystron amplifier
[AD-D014862] 18 p2979 N91-26448
FRIEDMAN, MARK
TORCS: A teleoperated robot control system for the self mobile space manipulator
[AD-A236821] 19 p3175 N91-27556
FRIEDMAN, MARK B.
A simple 5-DOF walking robot for space station application 12 p1936 N91-20653
FRIEDMAN, ODED
Chiral building blocks in organic synthesis: Epoxides and acetonides as a source for the C-ring of forskolin
[ITN-91-85085] 07 p0967 N91-15311
FRIEDMAN, ROBERT
Fire suppression in human-crew spacecraft
[NASA-TM-104334] 13 p2033 N91-21182
FRIEDRICH, A.
A comparative second harmonic study of Cu(111) in UHV and in solution
[AD-A237023] 20 p3337 N91-28479
FRIEDRICH, M.
Possibilities of charged particle injection from spacecraft for active diagnostics of the surrounding plasma and active spacecraft potential control 01 p0072 N91-10437
FRIEDRICHS, C., JR.
Modeling of a 1700-MHz cluster cavity of planar triodes
[DE91-013049] 20 p3338 N91-28488
FRIEDRICHS, CARL
Increasing output power of an 850 MHz tetrode with a floating-deck modulator
[DE91-000433] 02 p0208 N91-11162
FRIEDRICHS, R.
Experimental aerodynamics for hot gas jet reaction control systems 06 p0775 N91-14300
FRIEL, PATRICIA GRIFFITH
Automated IDEF3 and IDEF4 systems design specification document
[NASA-CR-188830] 24 p4082 N91-32803
FRIELER, K.
Brazing of capillary gaps (TEXUS 2)
23 p3849 N91-31461
FRIEMAN, JOSHUA A.
Dibaryons in neutron stars
[NASA-CR-188704] 20 p3443 N91-29109

FRIEND, RICHARD HENRY
Field effect transistors
[EP-PATENT-0-298-628-A2] 09 p1325 N91-17278
FRIESE, G.
Concentrator flight test experiment
[AD-A237390] 21 p3536 N91-29647
FRIESEL, M. A.
Acoustic emission-fracture strength relations for Al/Gr composites
[DE91-009106] 13 p2045 N91-21251
FRIESEL, MARK A.
Classification of acoustic emission waveforms for nondestructive evaluation using neural networks
[DE90-017239] 02 p0221 N91-11236
FRIESEN, DONALD
Response time satisfaction in a real-time knowledge-based system
[DE90-015994] 07 p1077 N91-15927
FRIESS, PETER
Determination of the cinematic position for the aerotriangulation, using the NAVSTAR global positioning system
[SER-C-359] 09 p1276 N91-17013
FRIGO, L. A.
Charged particle LET-spectra measurements aboard LDEF 16 p2709 N91-24989
FRIJNS, R. H. W. M.
Damage tolerance properties of new carbon composites
[NLR-TP-89032-U] 22 p3646 N91-30291
FRIM, JOHN
Methodology for calibration and use of heat flux transducers
[AD-A239552] 23 p3863 N91-31541
FRIMPONG, STEPHEN
A study of void effects on the interlaminar shear strength of unidirectional graphite fiber reinforced composites
[NASA-TM-103267] 03 p0363 N91-12034
Relationship between voids and interlaminar shear strength of polymer matrix composites
[NASA-TM-103643] 05 p0631 N91-13495
ICAN sensitivity analysis
[NASA-TM-103667] 07 p0970 N91-15328
FRINCKE, DEBORAH
Structured representation for requirements and specifications
[NASA-CR-187522] 18 p3043 N91-26797
FRIPP, ARCHIE L.
Radiographic instrumentation for DPM experiments 13 p2065 N91-21373
FRISBEE, ROBERT H.
Advanced propulsion concepts 20 p3294 N91-28218
FRISCH, A. S.
Diurnal and annual variations in mean profiles of Cn2
[PB91-181719] 19 p3187 N91-27624
FRISCH, HAROLD P.
Control system software, simulation, and robotic applications 14 p2361 N91-23060
FRISCHAT, G. H.
Reaction kinetics in glass melts (TEXUS 1) 23 p3830 N91-31363
Reaction kinetics in glass melts: Corrosion of SiO2 (TEXUS 4) 23 p3831 N91-31364
Reaction kinetics in glass melts: Sodium self-diffusion in alkali-silicate melts (TEXUS 6) 23 p3831 N91-31365
Self- and interdiffusion in alkali-silicate melts (TEXUS 11 and 12) 23 p3831 N91-31366
Self- and interdiffusion in alkali-silicate melts (TEXUS 13) 23 p3831 N91-31367
Reaction kinetics in molten glasses: Self-diffusion in alkali-silicate melts (TEXUS 20) 23 p3831 N91-31368
Special refractive index profiles in glasses obtained by ion exchange (TEXUS 19) ESA 23 p3831 N91-31369
Electrostatic positioning for containerless processing of a Li-silicate glass (TEXUS 10) ESA 23 p3851 N91-31469
FRISCHHERZ, M. C.
Critical current densities in neutron irradiated high-T(sub c) single crystals
[DE90-017794] 03 p0421 N91-12355
FRISK, U.
The far-infrared and submillimetre space telescope (FIRST)
[MPE-PREPRINT-191] 09 p1426 N91-17847
FRISK, URBAN
FIRST: Far infrared and submillimetre space telescope 10 p1619 N91-18925
FIRST: Far Infrared and Submillimeter Space Telescope 13 p2172 N91-21990
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations 13 p2181 N91-22050
FRISKEN, STEVEN J.
Indirect interactions between localized spins in solids: Application to nuclear magnetic ordering 07 p1064 N91-15852
FRISTROM, CARL C.
Radiative thermal conduction fronts 05 p0747 N91-14162
FRISTRUP, KURT
VOICE: A spectrogram computer display package
[AD-A225214] 03 p0406 N91-12262
FRITH, D. A.
IFDIS: An expert system for diagnosis of failures in jet aircraft engines
[AD-A227757] 08 p1097 N91-16020
FRITSCHEN, L. J.
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
FRITZ-VONALVENSLEBEN, UTA
Spectrometric, chemical, and cosmological development of galaxies
[ETN-91-98555] 08 p1266 N91-16972
FRITZ, I. J.
Electric-field dependent electroreflectance and photocurrent spectroscopy in InGaAs/InAlAs strained-layer superlattices
[DE90-015698] 02 p0277 N91-11559
FRITZ, J. N.
A simple plane-wave explosive lens
[DE91-004297] 06 p0819 N91-14526
FRITZ, T. A.
Solar particle events during the rising phase of solar cycle 22
[DE91-016042] 24 p4124 N91-33049
FRITZ, T. L.
A study of the influence of alloying additions on the passivity of aluminum
[AD-A232965] 16 p2600 N91-24410
FRITZEMEIER, L. G.
The influence of advanced processing on PWA 1480 16 p2583 N91-24317
FROCK, BRIAN G.
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
FRODSHAM, JOHN
InAsSbBi, a direct band-gap, III-V, LWIR material 06 p0799 N91-14410
FROEBEL, RICHARD C.
Volumetric measurement of tank volume
[NASA-CASE-MSC-21500-1] 13 p2088 N91-21493
FROECHTENIGT, JOSEPH F.
Advances in atomic oxygen simulation 11 p1660 N91-19147
FROEHLICH, CLAUS
Irradiance variability of the sun 03 p0446 N91-12492
FROESCHNER, K. E.
A simple model for low L/D penetration physics
[DE91-015747] 21 p3534 N91-29633
FROGEL, JAY
Infrared astronomy 24 p4119 N91-33019
FROGEL, JAY A.
Central activity in 60 micron peakers 08 p1255 N91-16913
FROGGATT, MIKE
Preliminary investigations into UHCRE thermal control materials 16 p2716 N91-25033
FROGGET, B. C.
Design of a twenty-element long focal length zoom lens
[DE91-010770] 15 p2508 N91-23894
FROHMAN, HAROLD L.
A guide to EDI translation software
[AD-A233053] 16 p2669 N91-24767
FROLOV, N. N.
Psychophysiological assessment of piloting motor habits in pilot retraining 01 p0097 N91-10564
FROMENT, A.
Modelling and control of flexible manipulators
[ETN-91-98398] 07 p1010 N91-15547
FROMENT, B.
GASCON: Local and remote monitoring of ground stations equipments 14 p2212 N91-22216
FROMM, DAVID M.
A boundary scattering strength extraction algorithm for the analysis of long-range reverberation data
[AD-A233721] 18 p3056 N91-26877
FRONABARGER, J. W.
Investigation of the Deflagration-to-Detonation (DDT) process: The role of ignition and explosive properties in DDT
[DE91-011956] 20 p3330 N91-28442
FRONEN, ROBERT JAN
On 1/F noise in the optical output of 3-5 devices
[ISBN-90-9003705-5] 14 p2336 N91-22914
FRONING, H. D., JR.
Impact of propulsive advancements on capabilities of reusable Earth-to-orbit ships 16 p2569 N91-24236
FROST, CYNTHIA
External tank aerothermal design criteria verification, volume 1
[NASA-CR-183996] 02 p0185 N91-11037
External tank aerothermal design criteria verification, volume 2
[NASA-CR-183997] 02 p0185 N91-11038
FROST, WALTER
Guide to measurement of winds with instrumented aircraft
[NASA-CR-188601] 17 p2814 N91-25553
FROUIN, R.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475
FROYEN, L.
Metallic composites with particles (TEXUS 6) 23 p3844 N91-31436
Metallic composites with particles (TEXUS 7) 23 p3845 N91-31437
Melting and solidification of metallic composites (TEXUS 9) 23 p3845 N91-31438
Metal matrix composites (TEXUS 14b) 23 p3845 N91-31439
Metal matrix composites (TEXUS 20) 23 p3845 N91-31440
FRUEHOLZ, R. P.
Effects of neutron fluence on the operating characteristics of diode lasers used in atomic frequency standards
[AD-A226763] 08 p1153 N91-16352
Frequency shifts in a rubidium frequency standard due to coupling to another standard 17 p2854 N91-25778
FRY, A. R.
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
FRY, CHARLES G.
Nuclear magnetic resonance nondestructive evaluation of composite materials
[AD-A225268] 03 p0335 N91-11882
FRY, I. V.
Cyanobacteria in CELSS: Growth strategies for nutritional variation and nitrogen cycling 23 p3903 N91-31786
FRY, W.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
FRYE, G. C.
Utilization of polymer viscoelastic properties in acoustic wave sensor applications
[DE90-010534] 08 p1213 N91-16676
Using quartz crystal microbalances to simultaneously sense mass accumulation and solution properties
[DE91-011501] 21 p3518 N91-29537
On-line monitoring of volatile organic species
[DE91-014655] 21 p3537 N91-29655
FRYE, GREG
Advanced thermally stable jet fuels development program annual report. Volume 1: Model and experiment system development
[AD-A229692] 12 p1878 N91-20322
FRYE, J. M.
Second harmonic generation and sum frequency generation
[DE91-006654] 10 p1609 N91-18883
FRYE, JOAN M.
Laser assisted CVD growth of AlN and GaN
[AD-A232379] 15 p2518 N91-23957
FRYE, ROBERT
Soil bed reactor work of the Environmental Research Lab. of the University of Arizona in support of the research and development of Biosphere 2 05 p0691 N91-13846
FRYE, ROBERT J.
The development of test beds to support the definition and evolution of the Space Station Freedom power system
[NASA-TM-104504] 19 p3114 N91-27207
FRYSZ, CHRISTINE A.
Feasibility of a super high energy density battery of the Li/Br/F3 electrochemical system
[AD-A225508] 04 p0518 N91-12884
FRYXELL, G. E.
Biomimetic thin film deposition
[DE91-012485] 20 p3425 N91-28999
FU, C. L.
The role of twinning in brittle fracture of Ti-aluminides
[DE91-005506] 09 p1316 N91-17221

First-principles investigation of mechanical behavior of B2 type aluminides: FeAl and NiAl
[DE91-006284] 09 p1316 N91-17224
Synthesis of atomistic and continuum modelling of intermetallic alloys
[DE91-011089] 17 p2760 N91-25279
The role of electronic structure in the mechanical behavior of aluminides
[DE91-012508] 18 p2958 N91-26325

FU, C. Y.
The magnetron-enhanced etching of double-level tungsten interconnect
[DE91-014984] 21 p3481 N91-29306

FU, GARY
SEAPAK user's guide, version 2.0. Volume 1: System description
[NASA-TM-100728-VOL-1] 17 p2837 N91-25683
SEAPAK user's guide, version 2.0. Volume 2: Descriptions of programs
[NASA-TM-100728-VOL-2] 17 p2838 N91-25684

FU, R.
Spectrum of the third-order nonlinear susceptibility of trans-polyacetylene
[AD-A230109] 12 p1873 N91-20291

FU, W. S.
Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377

FU, YAN HONG
Cathode surface effects and H.F.-behaviour of vacuum arcs
[ISBN-90-9003766-7] 14 p2260 N91-22504

FU, YANSONG
Molecular orientation of the silver tetra neopentoxy phthalo cyanine and stearic acid mixed Langmuir-Blodgett film and its chemical and electrochemical behaviour
[AD-A234601] 18 p2938 N91-26206

FU, YIBIN B.
On the Goertler instability in hypersonic flows: Sutherland law fluids and real gas effects
[NASA-CR-187481] 08 p1092 N91-15994
Nonlinear development and secondary instability of Gortler vortices in hypersonic flows
[NASA-CR-187563] 16 p2549 N91-24127

FUCHS, B.
Influence of diamond turning and surface cleaning processes on the degradation of KDP crystal surfaces
[DE91-015300] 21 p3601 N91-30035

FUCHS, B. A.
Diamond turning of optical crystals
[DE90-015909] 01 p0121 N91-10719

FUCHS, G. E.
The microstructure and tensile properties of nitrogen containing vacuum atomized Alloy 690
[DE91-010695] 16 p2602 N91-24418

FUCHS, HEINZ
Studying oxygen vacancies in ceramics by perturbed angular correlation spectroscopy
[DE91-005568] 10 p1502 N91-18266

FUCHS, HENRY
Supercomputing power for interactive visualization
[AD-A236717] 19 p3230 N91-27858

FUCHS, J. J.
Assembly, integration and test planning tool
07 p0950 N91-15214

FUCHS, JENS J.
PlanERS-1: Towards a new generation of mission planning systems 14 p2213 N91-22225
Optimum-AIV: A planning and scheduling system for spacecraft AIV 14 p2312 N91-22770

FUCHS, JUERGEN
Simple WZW currents
[NIKHEF-H/90-14] 14 p2322 N91-22826

FUCHS, KARL W.
Report of the panel on international programs
13 p2107 N91-21599

FUCHS, ULRICH
Scattering center analysis of simple metallic objects
[DLR-FB-90-32] 08 p1130 N91-16216

FUCHS, W. K.
Fault-tolerant computing: An overview
[NASA-CR-188793] 21 p3557 N91-29769

FUEHNE, DOUG
PFERD Mission: Pluto flyby exploration/research design 08 p1101 N91-16046

FUELBERG, HENRY E.
Remote sensing of water vapor features
24 p4060 N91-32682

FUENTES, R.
Thermal distortion measurement on antenna-reflectors by real-time holographic interferometry in ambient pressure 07 p0958 N91-15269

FUENTESLLORENS, ANTONIO
Perspectives of European activities in space
07 p0947 N91-15196

FUERSCHBACH, P. W.
Performance of three-crystal 1800 watt CW Nd:YAG laser
[DE91-004791] 09 p1341 N91-17365
Calorimetric measurements of energy transfer efficiency and melting efficiency in CO2 laser beam welding
[DE91-005861] 09 p1342 N91-17373

FUERST, GERRY
Hypersonic aircraft design
[NASA-CR-187008] 04 p0477 N91-12661

FUERST, J. D.
An investigation of thermally driven acoustical oscillations in helium systems
[DE90-018049] 02 p0194 N91-11086

FUERTES, J. M.
An emulator for the W. M. Keck 10 m telescope
[DE91-004286] 07 p1081 N91-15948
Analysis of the W. M. Keck Telescope primary mirror control loop
[DE91-004433] 07 p1081 N91-15949

FUGINA, J.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463

FUHRER, M.
Berne solar observations: Solar data for January - June 1990
[REPT-57] 03 p0449 N91-12507

FUHRY, DOUGLAS P.
Parametric entry corridors for lunar/Mars aerocapture missions
[NASA-TM-102178] 13 p2030 N91-21168

FUJA, R. S.
Evaluation of knowledge-based system development tools
[DE91-017241] 24 p4092 N91-32860

FUJCZAK, ROBERT F.
Correlation between machine twist angle and unit twist angle in calculating shear stresses for elastic and plastic strains in torsion
[AD-A235729] 19 p3179 N91-27579

FUJIEDA, ATSUTOSHI
Wind tunnel test of redundant vane-type flow-direction sensing systems
[NAL-TM-590] 01 p0010 N91-10057

FUJIEDA, HIROTOSHI
Velocity measurements inside the leading edge vortex formed on a delta wing
[NAL-TR-1087] 17 p2730 N91-25115

FUJIEDA, I.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
A study of signal generation and charge collectionin a-Si:H diodes for radiation imaging
[DE91-010243] 18 p3060 N91-26904

FUJII, KOZO
Numerical simulation of transonic flows over Boeing-747 and its validation by comparison with experimental data
04 p0456 N91-12551
Aerodynamic simulation of flows about a space-plane 3
04 p0457 N91-12556
Upwind differencing for viscous flow computations
04 p0467 N91-12614
Numerical simulations of aerodynamical contribution of flows about a space-plane 04 p0467 N91-12616
Supersonic inlet flow computations with cavity
24 p3945 N91-32049

FUJII, SHOUICHI
The reduction of cavity noise at subsonic speeds
[NAL-TR-1081] 17 p2860 N91-25815

FUJII, SHUUJI
Numerical simulation of hydrogen-oxygen chemical reactions in annular combustion chamber
04 p0464 N91-12594

FUJII, T.
Development of long life pulse power supply for copper vapor laser
[DE91-736783] 09 p1341 N91-17368
Wavelength control of visible light laser diodes
[DE91-736784] 09 p1342 N91-17369

FUJIKAWA, GENE
Designs for the ATDRSS tri-band reflector antenna
[NASA-TM-103754] 12 p1853 N91-20184

FUJIMAKI, MASARU
Outline of the GMS telecommunication system
01 p0057 N91-10339

FUJIMOTO, AKIRA
The role of computational fluid dynamics in aeronautical engineering (8): A mixed compression inlet for a supersonic airplane 24 p3945 N91-32048

FUJIMOTO, ATSUSHI
Numerical calculations of separated flows around a wing section at unsteady motion by a discrete vortex method
04 p0451 N91-12517
Numerical simulation of separated flows around a wing section at steady and unsteady motion by a discrete vortex method 08 p1139 N91-16268

FUJIMOTO, TAKASHI
Cross section for production of excited hydrogen atoms following dissociative excitation of molecular hydrogen by electron impact
[DE91-745035] 11 p1796 N91-19852
He-like spectra through charge exchange processes in tokamak plasmas
[NIFS-69] 11 p1802 N91-19894

FUJIMOTO, YUZO
Interaction between a spherical jet and a flow
04 p0468 N91-12620

FUJIMURA, K.
Proposal for continued basic research in intelligent machines at the Center for Engineering Systems Advanced Research: Fiscal years 1992-1996
[DE91-012997] 20 p3390 N91-28784
Research and development at ORNL/CESAR towards cooperating robotic systems for hazardous environments
[DE91-015638] 21 p3564 N91-29810

FUJIMURA, KAORU
Automated finder for the critical condition on the linear stability of fluid motions
[DE90-513761] 04 p0521 N91-12900

FUJITA, JUNJI
Direct extraction of a Na(-) beam from a sodium plasma
[NIFS-35] 01 p0127 N91-10751
Calibration source for electron cyclotron emission measurements
[NIFS-19] 24 p4101 N91-32913

FUJITA, M.
Sixteen hundred cubic meter acoustic test facility
07 p0952 N91-15229

FUJITA, T.
Study on H-mode and improved confinement in JFT-2M 10 p1599 N91-18819
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956

FUJITA, T. T.
Performance report of the Wind Research Lab.
[AD-A238575] 21 p3544 N91-29891

FUJITA, T. THEODORE
Cyclones and cyclogenesis over north Pacific, north Atlantic, Arctic Ocean, and their upwind continents
[AD-A225168] 03 p0392 N91-12181

FUJITA, TOSHIMI
Wind tunnel test of redundant vane-type flow-direction sensing systems
[NAL-TM-590] 01 p0010 N91-10057
Velocity measurements inside the leading edge vortex formed on a delta wing
[NAL-TR-1087] 17 p2730 N91-25115

FUJITA, TOSHIO
Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU]
05 p0683 N91-13796

FUJITANI, KATSURO
Visualization of the computed unsteady flow in three dimensions 04 p0465 N91-12601

FUJIWARA, TOSHI
A hypersonic thermally-nonequilibrium reacting flow around a three-dimensional blunt body
04 p0452 N91-12523

FUKAO, SHOICHIRO
Middle Atmosphere Program. Handbook for MAP. Volume 30: International School on Atmospheric Radar
[NASA-CR-188623] 18 p3009 N91-26613

FUKUDA, MASAHIRO
Verification of 2D-viscous flow simulation codes using airfoil with very small leading edge radius
04 p0468 N91-12625
Parallel processing using multitasking on CRAY X-MP system
[NAL-TR-1069] 12 p1964 N91-20806
Unsteady flow analysis in two-dimensional compressor cascade 24 p3947 N91-32064

FUKUMASA, O.
Internal kink mode simulation by 3-D gyrokinetic code
20 p3412 N91-28916

FUKUNAGA, HISAO
Fundamental verification of tailoring technology for control of a coefficient of thermal expansion by composite testing facilities
[NAL-TR-1058] 08 p1105 N91-16069

FUKUSHIMA, YUKIO
Axial compression buckling test on CFRP surface plate/aluminum honeycomb sandwiched curved surface plate
[NAL-TM-584] 01 p0050 N91-10299
FUKUYAMA, A.
RF helicity injection and current drive
[NIFS-34] 01 p0127 N91-10750
Drift-wave transport model and role of fast particles 10 p1597 N91-18813
Impact of improved confinement on fusion research
[NIFS-64] 10 p1603 N91-18840
A consistency analysis on the tokamak reactor plasmas
[NIFS-65] 10 p1603 N91-18841
FUKUYAMA, ATSUSHI
ELMy-H mode as limit cycle and chaotic oscillations in tokamak plasmas
[NIFS-96] 24 p4104 N91-32932
An H-mode-like bifurcation in core plasma of stellarators
[NIFS-97] 24 p4104 N91-32933
FULD, CHRISTOPHER J.
Innovations in dynamic test restraint systems 11 p1660 N91-19145
FULKERSON, W.
The potential role of nuclear power in controlling CO2 emissions
[DE91-006665] 10 p1545 N91-18502
The dilemma of fossil fuel use and global climate change
[DE91-007859] 11 p1733 N91-19533
FULLER-ROWELL, T. J.
Numerical simulations of the seasonal/latitudinal variations of atomic oxygen and nitric oxide in the lower thermosphere and mesosphere 19 p3191 N91-27644
FULLER, GLENN C.
Timing margin measurement using a laser technique
[AD-A226821] 08 p1153 N91-16353
FULLER, J. J.
Invariant target recognition using self-organizing networks
[AD-A238252] 21 p3563 N91-29807
FULLER, JOHN
Mars surface based factory. Phase 2, task 1C: Computer control of a water treatment system to support a space colony on Mars 19 p3274 N91-28110
FULLER, JOSEPH J.
Proposed draft military handbook presenting requirements for an Electronic Display System (EDS) for Interactive Electronic Technical Manuals (IETMs)
[AD-A227471] 11 p1696 N91-19342
FULLER, PAUL N.
Expendable launch vehicle propulsion 20 p3292 N91-28199
FULLER, SCOTT J.
An investigation of the as-quenched and early aging characteristics of a Al - 4.1 wt. percent Li binary alloy by x ray diffraction
[AD-A237598] 21 p3481 N91-29311
FULLER, W. H.
The new FIRE cloud lidar at Langley Research Center 01 p0081 N91-10482
FULLERTON, C. GORDON
Controlling crippled aircraft-with throttles
[NASA-TM-104238] 21 p3460 N91-29191
A preliminary investigation of the use of throttles for emergency flight control
[NASA-TM-4320] 22 p3618 N91-30130
FULLERTON, T. L.
A vortex panel method for calculating aircraft downwash on parachute trajectories
[DE91-009764] 15 p2365 N91-23085
FULMER, CHRISTOPHER R.
Preliminary design of a mobile lunar power supply
[NASA-TM-104471] 19 p3185 N91-27611
FULMER, R. G.
The effects of information availability on the group consensus process
[DE91-012428] 20 p3438 N91-29076
FULTON, GRAHAM B.
Advanced structural instrumentation, volume 1
[AD-A227226] 08 p1149 N91-16328
Advanced structural instrumentation, volume 2
[AD-A227473] 08 p1149 N91-16330
FULTON, JOHN
Fundamental investigation of micelles and microemulsions in supercritical fluids
[AD-A231073] 13 p2083 N91-21476
FULTON, R. D.
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556
FUMOUX, C.
Time/frequency analysis of vibro-acoustic behaviour of a launcher in flight
[ETN-90-97584] 01 p0016 N91-10097
FUNARIU, O. M.
Beta measurements 24 p4060 N91-32681
FUNDERBURK, RICHARD
GPS/Loran-C interoperability for time and frequency applications: A survey of the times of arrival of Loran-C transmissions via GPS common mode/common view satellite observations 17 p2858 N91-25803
FUNG, ADRIAN K.
Effect of cell size on radar clutter statistics
[AD-A231897] 14 p2257 N91-22483
FUNG, K. H.
Chemical characterization of aerosol particles by Raman spectroscopy
[DE91-015836] 23 p3892 N91-31720
FUNG, K.-Y.
Computational studies of compressibility effects on dynamic stall
[AD-A229007] 09 p1274 N91-17004
FUNK, D. J.
Laser-based diagnostics for density, temperature, velocity, and dissociation fraction in high temperature hydrogen flows
[DE91-016323] 24 p4022 N91-32480
FUNK, HARRY A.
Integrated diagnostics for fault-tolerant systems 04 p0484 N91-12694
FUNK, JOAN G.
Effects of cure temperature, electron radiation, and thermal cycling on P75/930 composites
[NASA-TM-102712] 07 p0971 N91-15332
FUNK, KEN
Cockpit task management: A preliminary, normative theory 12 p1946 N91-20707
FUNKE, D. J.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
FUNKE, H.
An inverse problem for classical relativistic mechanics
[DE90-631599] 02 p0283 N91-11589
FUNKE, K.
Development of a centrifugal atomization process for the production of large spherical metal powders
[DE91-014500] 22 p3650 N91-30315
FUNKHOUSER, GORDON E.
Donning times and flotation characteristics of infant life preservers: Four representative types
[AD-A237120] 21 p3453 N91-29153
FUNTOVA, I. I.
State-of-the-art automated evaluation of functional state of the body in the space program and preventive medicine 18 p3022 N91-26687
FURENLID, KAREN
In search of the elusive true surface
[DE91-001110] 04 p0583 N91-13253
FURLONG, J. R.
Modeling the dynamic Load/Unload behavior of ceramics under impact loading
[AD-A225999] 04 p0536 N91-12974
FURNISH, G.
Electrostatic particle simulations of density and temperature driven modes in a toroidal plasma 20 p3412 N91-28915
FURNISH, M. D.
Using power series expansions of moduli to interpolate between release curves from dynamic tests: Technique and application
[DE91-000091] 04 p0573 N91-13184
The use of high velocity launchers for scientific and engineering studies
[DE91-015564] 21 p3464 N91-29208
Dynamic behavior of fully dense molybdenum
[DE91-014902] 21 p3480 N91-29304
FURNISS, I.
Cryogenic mechanisms for scanning and interchange of the Fabry-Perot interferometers in the ISO long wavelength spectrometer 16 p2641 N91-24614
FURSEY, G. N.
Field emission initiation mechanism of vacuum arc
[AD-A227560] 09 p1401 N91-17711
FURSTENAU, RONALD PAUL
Application of computers for experiment design, data acquisition, and analysis in the chemistry laboratory
[AD-A224644] 03 p0400 N91-12223
FURTAK, T. E.
Physical and electronic structure of the electrolyte-solid interface through optical phenomena
[DE90-015935] 01 p0129 N91-10764
FURUKAWA, G. T.
Guidelines for realizing the International Temperature Scale of 1990 (ITS-90)
[PB91-112854] 16 p2680 N91-24838
FURUKAWA, M.
Development of a two-phase cold plate 08 p1140 N91-16277
FURUKAWA, MASATO
A zonal approach for solutions to the compressible Navier-Stokes equations using a TVD finite volume method 04 p0455 N91-12539
Numerical simulation of unsteady compressible viscous flows using an implicit upwind relaxation scheme 24 p3944 N91-32041
FURUSAWA, T.
Relaxed state and entropy production 20 p3411 N91-28907
FURUTA, R.
Dynamic characteristics of hypertext
[PB91-107276] 09 p1421 N91-17822
FURUYAMA, Y.
Study on ablation of target material induced by pulsed ion beam bombardment 11 p1801 N91-19886
FUSARO, ROBERT L.
Government/industry response to questionnaire on space mechanisms/tribology technology needs
[NASA-TM-104358] 15 p2437 N91-23501
Pretreatment of lubricated surfaces with sputtered cadmium oxide
[NASA-CASE-LEW-14474-1] 20 p3327 N91-28423
Space mechanisms needs for future NASA long duration space missions
[NASA-TM-105204] 22 p3688 N91-30532
FUSSELL, L. R.
Capturing, using, and managing quality assurance knowledge for shuttle post-MECO flight design 12 p1943 N91-20691
FUTATSUDERA, NAOKI
Numerical calculations of separated flows around a wing section at unsteady motion by a discrete vortex method 04 p0451 N91-12517
Numerical simulation of separated flows around a wing section at steady and unsteady motion by a discrete vortex method 08 p1139 N91-16268
FUTCH, A.
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
Recent gaseous divertor experiments in DIII-D
[DE91-011139] 17 p2867 N91-25859
FUTCH, A. H.
Physics data base for the Beam Plasma Neutron Source (BPNS)
[DE91-002796] 06 p0876 N91-14842
FUTRELL, MIKE
Framework programmable platform for the advanced software development workstation. Integration mechanism design document
[NASA-CR-188592] 17 p2830 N91-25636
FUZESY, R. Z.
Automatic tracking of the intersection of a laser and electron beam
[DE91-007740] 10 p1531 N91-18434
FYARETDINOV, A.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919

G

GABARD, S.
Airfoil-vortex interaction: Unsteady wall pressure measurement
[AAAF-NT-89-13] 23 p3785 N91-31104
GABB, TIMOTHY P.
Isothermal fatigue behavior of a (90)(sub 8) SiC/Ti-15-3 composite at 426 C
[NASA-TM-103686] 12 p1862 N91-20228
Tensile and fatigue behavior of tungsten/copper composites 16 p2582 N91-24311
High temperature tension-compression fatigue behavior of a tungsten copper composite
[NASA-TM-104370] 16 p2591 N91-24360
GABEL, M. R.
Continuum x ray gauging of multiple-element materials
[DE91-011923] 20 p3307 N91-28307
GABELLA, W. E.
Computation of invariant tori in 2 (1/2) degrees of freedom
[DE91-007424] 11 p1782 N91-19778
Refinement of the Hamilton-Jacobi solution using a second canonical transformation
[DE91-012965] 20 p3392 N91-28798
GABILLET, Y.
Near ground sound propagation in wind
[CSTB-2-89-003-4] 24 p4094 N91-32871

GABLEHOUSE, D.
AI techniques for a space application scheduling problem 14 p2313 N91-22776
GABRIEL, ANDREW K.
Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU] 06 p0840 N91-14642
GABRIEL, W. F.
Phase-coded waveforms and range superresolution
[AD-A229530] 22 p3657 N91-30358
GABRIEL, WILLIAM F.
Adaptive phase-shifter nulling techniques for large-aperture phased arrays
[AD-D014613] 07 p0990 N91-15432
Superresolution techniques and ISAR imaging
[AD-A227522] 09 p1321 N91-17255
GABRIELI, H.
Functional baseline specification for ATC data link service implementation in the host computer system
[DOT/FAA/CT-91/12] 18 p2976 N91-26433
GABRIELIAN, ARMEN
Reasoning about real-time systems with temporal interval logic constraints on multi-state automata 12 p1942 N91-20687
GADDIS, L.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
GADOLIN, R. E.
Sustained/Continuous Operations Subgroup of the Department of Defense Human Factors Engineering Technical Group: Program summary and abstracts
[AD-A223901] 07 p1037 N91-15689
GAETA, ALEXANDER L.
Stochastic and deterministic fluctuations in stimulated Brillouin scattering
[AD-A230988] 13 p2093 N91-21522
GAFFEY, M. J.
Variations in magmatic processes among igneous asteroids 17 p2893 N91-25993
GAFFNEY, NIALL
A near infrared spectroscopic study of the interstellar gas in the starburst core of M82 05 p0759 N91-14221
GAFFNEY, RICHARD LEE, JR.
An abbreviated Reynolds stress turbulence model for airfoil flows 20 p3280 N91-28140
GAFTER, NEAL M.
Parallel incremental compilation
[AD-A228726] 09 p1387 N91-17629
GAGE, CHARLIE
Near ground level sensing for spatial analysis of vegetation 07 p1023 N91-15617
GAGE, KENNETH R.
Numerical analysis of an axisymmetric thrust augmenting ejector
[AD-A230555] 12 p1842 N91-20123
GAGE, MARK
Development of life prediction capabilities for liquid propellant rocket engines. Post-fire diagnostic system for the SSME system architecture study
[NASA-CR-187112] 18 p2938 N91-26205
GAGLIANO, ROSS
Assessment and development of software engineering tools
[AD-A233471] 17 p2829 N91-25627
GAGLIARDI, ROBERT M.
Optical Multiple Access Network (OMAN) for advanced processing satellite applications
[NASA-TM-105167] 21 p3501 N91-29431
GAGNON, DAVID R.
Portable 45-gigahertz radar for glint and scintillation studies
[AD-A238005] 21 p3500 N91-29421
GAGNON, R.
A study of electrolytes for lithium batteries
[INRS-NRG-326-RF] 22 p3669 N91-30428
GAGUA, T. I.
Possibilities of charged particle injection from spacecraft for active diagnostics of the surrounding plasma and active spacecraft potential control 01 p0072 N91-10437
GAHM, G.
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
GAHM, GOESTA F.
Star formation after core collapse 10 p1619 N91-18929
GAHN, RANDALL F.
Performance of a dual anode nickel-hydrogen cell 24 p4038 N91-32563
GAI, W.
Development of laser optics for the AWA photocathode
[DE91-015552] 21 p3525 N91-29581
GAIER, J. R.
Effects of Martian dust on power system components 18 p3086 N91-27061
GAIER, JAMES R.
Intercalated graphite fiber composites as EMI shields in aerospace structures
[NASA-TM-103632] 01 p0023 N91-10134
Heat transfer device and method of making the same
[NASA-CASE-LEW-14162-1] 05 p0660 N91-13668
Aeolian removal of dust types from photovoltaic surfaces on Mars 11 p1662 N91-19156
Simulation of Martian dust accumulation on surfaces 11 p1662 N91-19160
Prospects for using carbon-carbon composites for EMI shielding
[NASA-TM-103677] 11 p1675 N91-19231
Effects of dust accumulation and removal on radiators surfaces on Mars
[NASA-TM-103704] 12 p1858 N91-20204
Sensible heat receiver for solar dynamic space power system
[NASA-TM-104393] 17 p2742 N91-25173
Effects of windblown dust on photovoltaic surface s on Mars
[NASA-TM-104448] 17 p2744 N91-25183
Heat transfer device
[NASA-CASE-LEW-14162-2] 17 p2747 N91-25201
Apparatus for intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-2] 20 p3304 N91-28289
Effect of lightning strike on bromine intercalated graphite fiber/epoxy composites
[NASA-TM-104507] 24 p3970 N91-32177
GAIGNEBET, JEAN C.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
GAIL, W. B.
Performance of MILSATCOM adaptive antenna systems in pulse jammer environments 16 p2616 N91-24481
GAILLARD, M. K.
Supersymmetry breaking from superstrings and the gauge hierarchy
[DE91-011899] 18 p3075 N91-26992
Physics at the Planck scale
[DE91-012346] 20 p3434 N91-29054
Effective theories and thresholds in particle physics
[DE91-016257] 24 p4095 N91-32880
GAILLARD, R.
Study of the metallurgical effects of hammering between passes during C-Mn weld deposition
[CETIM-104850] 05 p0637 N91-13532
Evaluation of the functional properties of welds on cold finished tubes defined as NF A 49.541
[CETIM-104700] 05 p0672 N91-13738
The effects of thermal treatment after welding on the functional properties of assemblies. Follow-up of the work on Cr-Mo
[CETIM-104720] 05 p0672 N91-13739
Study of the tensile strength of the melted zone of vertical welds carried out using electroslag welding on C-Mn steel. Further study on 80 mm thick plate
[CETIM-104730] 05 p0673 N91-13740
Study of the metallurgical consequences of hammering between passes to compensate for the withdrawal of metal caused by welding
[CETIM-104430] 05 p0673 N91-13741
GAINES, D. P.
Reflection mask technology for soft x ray projection lithography
[DE91-012561] 20 p3405 N91-28877
Distortion free projection lithography
[DE91-016570] 24 p4101 N91-32916
GAINES, G. L.
Efficient photoinduced charge separation and storage in the solid state, rates, energetics, and spin-polarization
[DE91-010727] 18 p3073 N91-26980
Photoinduced charge separation and recombination: The influence of medium on rates and energetics
[DE91-010267] 19 p3240 N91-27920
GAINES, GEOFFREY A.
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720
GAINES, J. R., JR.
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867
GAINES, JAMES
Experimental development, testing and research work in support of the inertial confinement fusion program
[DE91-002771] 06 p0875 N91-14841
GAINES, STEPHEN O., II
Multidisciplinary modeling and design of a space structure
[AD-A230626] 12 p1856 N91-20198
GAINSBOROUGH, A. J.
A distributed computer environment for a multimission spacecraft operations and control center 14 p2208 N91-22193
GAIONI, STEPHEN
Control of biosonar behavior by the auditory cortex
[AD-A232699] 15 p2475 N91-23708
GAISSER, T. K.
Acceleration by pulsar winds in binary systems
[NASA-TM-103451] 01 p0138 N91-10816
Particle theory and cosmology
[DE91-017730] 24 p4122 N91-33041
GAITAN, DARIO F.
An experimental investigation of acoustic cavitation in gaseous liquids
[AD-A230033] 12 p1895 N91-20423
GAITONDE, DATTA
Computation of viscous shock/shock hypersonic interactions with an implicit flux split scheme
[AD-A232405] 15 p2366 N91-23093
GAL-CHEN, TZVI
Estimations of ABL fluxes and other turbulence parameters from Doppler lidar data
[NASA-CR-188053] 13 p2120 N91-21665
GAL-OR, BENJAMIN
Novel, post-stall, thrust-vectored F-15 RPVs: Laboratory and flight tests
[AD-A225717] 04 p0478 N91-12667
GAL-OR, L.
Electrophoretic and electrolytic deposition of ceramic particles on porous substrates
[AD-A227371] 06 p0813 N91-14488
GALAMBOS, P.
Shock wave/boundary layer interaction control in a generic hypersonic inlet 16 p2578 N91-24290
GALATOLO, R.
Short crack observations in Ti-6Al-4V under constant amplitude loading 02 p0224 N91-11250
GALAYDA, THOMAS A.
Architecture for electronic imagery interoperability
[AD-A226522] 05 p0700 N91-13901
GALBIATI, GIULIA
Constructing an exact parity base IS in RNC(sup 2)
[REPT-91-022] 22 p3737 N91-30816
GALDO, JOSE M.
Space flight components database 24 p4003 N91-32377
GALE, KAREN L.
Impact of inertia, friction, and backlash upon force control in telemanipulation 12 p1935 N91-20648
Comparison of force and tactile feedback for grasp force control in telemanipulation 12 p1937 N91-20655
GALE, R. P.
Progress in GaAs/CuInSe2 tandem junction solar cells 11 p1667 N91-19190
GaAs (AlGaAs)/CuInSe2 tandem solar cells. Technology status and future directions 22 p3633 N91-30217
GALEA, STEPHEN C. P.
Effects of temperature on acoustically-induced strains and damage propagation in CFRP plates 05 p0631 N91-13493
GALEEV, A. A.
Solitary vortices in the vicinity of comets 06 p0918 N91-15062
Gradient catastrophe of the supersonic mass-loaded magnetised plasma flow and the formation of bow shock 06 p0918 N91-15065
GALEN, THEODORE J.
Discourse for slide presentation: An overview of chemical detection systems 07 p1079 N91-15940
GALESKI, A.
Morphology of bulk Nylon 6 subjected to plane strain compression
[AD-A237331] 21 p3532 N91-29622
Deconvolution of x ray diffraction data to elucidate plastic deformation mechanisms in the uniaxial extension of bulk Nylon-6
[AD-A237332] 21 p3532 N91-29623
GALETTI, D.
On the structure of quantum phase space
[DE90-627185] 01 p0133 N91-10786
GALEYEV, ALBRRT ABUBAKIROVICH
Galeyev discusses history, prospects of Institute of Space Research 22 p3626 N91-30174
GALICKI, PETER
In-flight crew training 09 p1281 N91-17044
GALINDO, C.
Solid-support substrates for plant growth at a lunar base 23 p3905 N91-31800

GALINSKY, V. L.
Solitary vortices in the vicinity of comets
06 p0918 N91-15062
Evolution of high amplitude Alfven waves near a bow shock
06 p0919 N91-15068
GALIPIENSO, G.
Thermal distortion measurement on antenna-reflectors by real-time holographic interferometry in ambient pressure
07 p0958 N91-15269
GALLAGHER, A.
Scanning tunneling microscopy studies of the surfaces of a-Si:H and a-SiGe:H films
[DE91-002169] 21 p3592 N91-29983
GALLAGHER, ALAN
Activated-surface chemical vapor deposition
[AD-A236083] 19 p3253 N91-27999
GALLAGHER, ANNE
KQIN: Kansas Quality Improvement Network. A report outlining a statewide quality improvement plan
[NIAR-91-20] 22 p3690 N91-30544
GALLAGHER, BRIAN
Forward looking wind shear detection program
16 p2553 N91-24148
GALLAGHER, BRIAN J.
Status of the Delco Systems Operations forward looking windshear detection program
03 p0304 N91-11692
GALLAGHER, J. C.
Changes in mineral metabolism with immobilization/space flight
01 p0100 N91-10581
GALLAGHER, JEAN W.
Nonequilibrium effects in ion and electron transport
[AD-A229961] 12 p1976 N91-20869
GALLAGHER, JOHN S., III
Ionized interstellar froth in irregular galaxies
05 p0745 N91-14152
The diffuse ionized interstellar medium perpendicular to the plane of NGC 891
05 p0746 N91-14160
GALLAGHER, JOSEPH P.
Elevated temperature crack growth in titanium aluminides
[AD-A227700] 08 p1115 N91-16125
GALLAGHER, K. P.
Cocrystallization in blends of poly(butylene terephthalate) and poly(ester-ether) segmented block copolymers
[DE91-012224] 20 p3329 N91-28438
GALLAGHER, P. K.
Thermal stabilities of polyanilines
[AD-A233849] 18 p2960 N91-26333
GALLAGHER, TODD
STB-White
[NASA-CR-187012] 04 p0477 N91-12662
GALLAIS, P.
Near-infrared mapping of spiral barred galaxies
05 p0758 N91-14217
GALLANT, A. RONALD
Neural network representation and learning of mappings and their derivatives
13 p2140 N91-21780
GALLANT, Y. A.
Relativistic shock waves and the excitation of plerions
[DE91-007623] 15 p2532 N91-24027
GALLARDO, J. C.
Proceedings of the Workshop Prospects for a 1 Angstrom Free-Electron Laser
[DE91-007631] 11 p1711 N91-19422
Emittance correction of photocathode gun
[DE91-010364] 14 p2260 N91-22506
GALLASCH, EUGEN
Is physiological tremor (microvibration) influenced by microgravity
11 p1745 N91-19595
GALLE, RICHARD
A study of spatial data management and analysis systems
19 p3269 N91-28081
GALLEGOS, R. A.
High-speed TV cameras for streak tube readout
[DE91-016081] 23 p3873 N91-31602
GALLEGOS, S. C.
Accuracy of ocean color data derived from the Coastal Zone Color Scanner (CZCS)
[AD-A235719] 19 p3204 N91-27713
GALLEITHNER, H.
Development of MIL-8785C into a handling qualities specification for a new European fighter aircraft
15 p2370 N91-23114
GALLER, DONALD
Failure analysis techniques for the evaluation of electrical and electronic components in aircraft accident investigations
[AD-A226381] 04 p0474 N91-12647
GALLETTA, G.
Hidden interaction in SBO galaxies
08 p1249 N91-16880
GALLI, M. T.
Tabu-search and simulated annealing for the quadratic assignment problem
[REPT-89-028] 01 p0113 N91-10658
GALLIANO, J. A.
Advanced Microwave Precipitation Radiometer (AMPR) for remote observation of precipitation
[NASA-CR-184165] 18 p3016 N91-26655
GALLIMORE, F. H., JR.
Structural development of laminar flow control aircraft chordwise wing joint designs
[NASA-CR-181688] 06 p0784 N91-14346
GALLIMORE, JACK F.
Statistics of associations among IR galaxies
08 p1255 N91-16909
GALLO, K. P.
Evaluation of data reduction and composing of the NOAA global vegetation index product: A case study
[AD-A227397] 06 p0840 N91-14641
GALLOPOULOS, E.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
GALLOTTIFLORENZANO, TERESA
Identification of areas subject to flooding through TM/LANDSAT images in the basin of the rivers Pindare, Mearim, Jaguaribe, Apodi, Piranhas, and San Francisco
[INPE-5034-RPE/619] 02 p0229 N91-11279
GALLOWAY, A. B.
Hardware-in-the-loop simulation at the Naval Weapons Center
07 p1045 N91-15733
GALLOWAY, GRAHAM SCOTT
Polar lunar power ring: Propulsion energy resource
14 p2205 N91-22178
GALLOWAY, M. D.
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015832] 23 p3931 N91-31969
GALLUP, D. R.
Mass and performance estimates for 5 to 1000 kW(e) nuclear reactor power systems for space applications
[DE91-010319] 16 p2687 N91-24875
GALLUP, R. F.
Electronic properties of Si-doped n-doping-intrinsic-p-doping-intrinsic (nipi) structures in GaAs
[DE91-009474] 15 p2515 N91-23941
The electronic structure of the ionic insulator sodium nitrite
[DE91-009766] 18 p3072 N91-26977
GALOTTI, D. M.
Langmuir-Blodgett films of aromatic Schiff's bases functionalized in the side chains of polymethacrylate
[AD-A235858] 19 p3139 N91-27347
The monomolecular organization of a photodynamic protein system through specific surface recognition of streptavidin to biotinylated LB films
[AD-A235859] 19 p3139 N91-27348
GALPERIN, YU. I.
Problems of cold plasma measurements on the Regatta-A spacecraft
01 p0071 N91-10431
Measurements of the longitudinal movements of O(+) ions in the subauroral upper atmosphere from the Aureol 3 satellite
18 p2931 N91-26171
GALTELAND, J.
Application of SAW technology in satellites for mobile services
13 p2030 N91-21163
GALUN, EHUD
Homogeneous electrocatalysis of polysulfides
[ITN-90-85051] 07 p0974 N91-15345
Homogeneous electrocatalysis of polysulfides
[ITN-91-85083] 07 p0976 N91-15357
GALVAO, FRANCISCO LEME
Materials for aerospace vehicles friction drag reduction surfaces
[INPE-5188-PRE/1656] 13 p2039 N91-21217
GALVAO, R. M. O.
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-628758] 02 p0271 N91-11524
GALVAOFERREIRA, AFONSO
Contributions to research in ordered sets: From sequential to parallel combinations
[ETN-90-98203] 04 p0569 N91-13158
GALVIN, A. B.
Association of an auroral surge with plasma sheet recovery and the retreat of the substorm neutral line
[DE91-007351] 11 p1737 N91-19552
GALVIN, J. E.
Broad-beam, high current, metal ion implantation facility
[DE91-009329] 13 p2052 N91-21291
GALWAY, R. D.
The IAR high Reynolds number two-dimensional test facility: A description of equipment and procedures common to most 2-D airfoil tests
[AD-A226629] 05 p0615 N91-13409
GALYSH, IVAN J.
Two-way time transfer modem
17 p2855 N91-25785
GAMACHE, ROBERT R.
ARTIST tape output formats
[AD-A235173] 18 p3012 N91-26633
A comparison of manual scaled and predicted foE and foF1 critical frequencies
[AD-A235551] 19 p3199 N91-27685
Ionospheric characteristics for archiving at the world data centers
[AD-A236645] 19 p3200 N91-27690
GAMAGE, NIMAL KUMAR KETAGODA
Modelling and analysis of geophysical turbulence: Use of optimal transforms and basis sets
20 p3373 N91-28686
GAMBARDELLA, P.
Effect of the centrifuge forces on pregnant rats
11 p1751 N91-19629
GAMBLE, M. T.
Superconducting Super Collider silicon tracking subsystem research and development
[DE91-009227] 13 p2152 N91-21862
GAMBOGI, ROBERT J.
Characterization of plasma polymerized hydrocarbons using CP-MAS carbon-13 NMR
[AD-A236947] 19 p3143 N91-27369
GAMBONE, M. L.
Fatigue and fracture of titanium aluminides, volume 2
[AD-A227353] 06 p0785 N91-14351
GAMBRELL, SAMUEL C., JR.
Establishment of a strain analysis capability using photoelastic coatings
10 p1629 N91-18981
GAMES, MICHELLE D.
Abstracts of papers
14 p2338 N91-22929
GAMKRELIDZE, N. G.
On a local limit theorem for lattice distribution
[CWI-BS-R9004] 04 p0571 N91-13173
GAMLIEL, AVSHALOM
Effects of source correlations on the spectrum of radiated fields
[AD-A230955] 13 p2072 N91-21411
GAMMA, L. O.
Personal papers in the United States Air Force Historical Research Center, 5th edition
[PB91-156380] 18 p3076 N91-26999
GAMMEL, J. T.
Competing electron-electron/electron-phonon interactions and polyacetylene
[DE91-011389] 19 p3240 N91-27921
GAMMELL, PAUL M.
Eddy current method for measuring electrical resistivity and device for providing accurate phase detection
[AD-D014571] 06 p0820 N91-14530
Phase cancellation enhancement of ultrasonic evaluation of metal-to-elastomer bonding
[AD-D014761] 12 p1910 N91-20502
GAMONAL, A.
Thermal distortion measurement on antenna-reflectors by real-time holographic interferometry in ambient pressure
07 p0958 N91-15269
GAMWELL, W. R.
An evaluation of GTAW-P versus GTA welding of alloy 718
[NASA-TM-103529] 13 p2051 N91-21287
GAN, CHOON L.
The physics of turbulent boundary layer structures and effects due to manipulation
[AD-A225834] 04 p0522 N91-12905
GANDELMAN, GILBERTO
Identification of parameters derived from inertial sensors
[INPE-5166-RPE/637] 13 p2134 N91-21746
GANDERT, R.
A new approach to hardware-in-the-loop simulation (FALKE shuttle)
07 p1045 N91-15735
GANDOLFI, C.
Wind shear predictive detector technology study status
03 p0305 N91-11700
GANDY, REX
Experimental studies of plasma fluctuations using electron cyclotron emission on ATF (Advanced Toroidal Facility) and TEXT (Texas Experimental Tokamak)
[DE91-005917] 10 p1601 N91-18831
GANEKA, YASUHIRO
Report of the panel on international programs
13 p2107 N91-21599
GANG, F. Y.
A kinetic theory of trapped electron driven drift wave turbulence in a sheared magnetic field
[DE91-004302] 09 p1394 N91-17668
GANGADHARAN, SATHYA NARAYAN
Statistical system identification of structures with flexible joints
02 p0220 N91-11232

GANGE, R. W.
Pyrimidine dimer formation by UVA radiation: Implications for photoreactivation
[DE91-015837] 23 p3898 N91-31756
GANGLOFF, RICHARD P.
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209
Environmental fatigue of an Al-Li-Cu alloy. Part 1: Intrinsic crack propagation kinetics in hydrogenous environments
[NASA-TM-104064] 14 p2276 N91-22587
NASA-UVA Light Aerospace Alloy and Structures Technology Program (LA2ST)
[NASA-CR-188626] 19 p3129 N91-27285
Environment enhanced fatigue of advanced aluminum alloys and metal matrix composites
19 p3129 N91-27286
Elevated temperature fracture of RS/PM aluminum alloy 8009 19 p3129 N91-27287
Temperature effects on the deformation and fracture of Al-Li-Cu-In alloys 19 p3129 N91-27288
The effect of temperature on the fracture toughness of Weldalite(TM) 049 19 p3129 N91-27289
GANGULI, G.
Laboratory simulation of high-altitude disruptive effects
10 p1553 N91-18542
GANGULY, J.
Dehydration kinetics of talc at 1 bar
16 p2595 N91-24378
GANGULY, JIBAMITRA
Abundances of volatile-bearing phases in carbonaceous chondrites and cooling rates of meteorites based on cation ordering of orthopyroxenes 17 p2749 N91-25210
Theoretical predictions of volatile bearing phases and volatile resources in some carbonaceous chondrites
17 p2750 N91-25222
Volatile-bearing phases in carbonaceous chondrites: Compositions, modal abundance, and reaction kinetics
17 p2752 N91-25230
Kinetics of volatile extraction from carbonaceous chondrites: Dehydration of talc
17 p2903 N91-26036
GANJOO, DEEPAK KUMAR
Incompressible flow simulations using the velocity-pressure formulation 08 p1144 N91-16299
GANPANTSEROVA, O. F.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175
GAO, FENG
Theoretical and numerical investigations of scalar fields in isotropic turbulence 16 p2623 N91-24524
GAO, HONG W.
Effects of degree of hydrolysis and shear on gelation reaction kinetics and gel strength
[DE91-002225] 12 p1877 N91-20315
GAO, QUANDUO
A primary experiment of statistical interpolation scheme used in sea waves data assimilation
[KNMI-TR-128] 16 p2661 N91-24721
GAO, X.
Atomic-resolution scanning tunneling microscopy and infrared spectroscopy as combined in-situ probes of electrochemical adlayer structure: Carbon monoxide on rhodium(111)
[AD-A237508] 21 p3575 N91-29884
GAO, Y.
Tilt grain boundaries in YBa2Cu3O(7-x) thin films
[DE91-006088] 09 p1414 N91-17786
Electron microscopy study of MOCVD-grown TiO2 thin films and TiO2/Al2O3 interfaces
[DE91-006544] 09 p1416 N91-17797
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
Atmosphere control during preparation of YBa2 Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
Preparation and characterization of YBa2Cu4O8 superconductor
[DE91-010596] 17 p2872 N91-25885
Defects in decomposed YBa2Cu4O8 (124) superconductor after rapid annealing
[DE91-010597] 18 p3072 N91-26979
HREM study of heteroepitaxial interfaces in the TiO2/Al2O3 system
[DE91-012473] 18 p3074 N91-26986
High resolution electron microscopy of grain boundaries
[DE91-010593] 21 p3590 N91-29970
GAO, Y. M.
Growth and characterization of thin films of Y2O3, La2O3 and La2CuO4
[AD-A231046] 13 p2161 N91-21919
GAO, YUANPING
Polymer characterization using singlet oxygen phosphorescence as a spectroscopic probe
[DE91-011735] 18 p2967 N91-26382
GAONKAR, GOPAL H.
Dynamics of elastic bending and torsion of hingeless rotors with dynamic stall
[AD-A234775] 18 p2924 N91-26134
GARAVEL, HUBERT
Compilation and verification of LOTOS programs
[ISBN-2-7261-0621-8] 22 p3730 N91-30767
GARAYEV, P. S.
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-011] 05 p0694 N91-13861
GARBAGNATI, E.
Evaluation of the damages caused by lightning current flowing through bearings 24 p4051 N91-32632
GARBAUSKAS, MARY
Cyclic (AlN)(sub n) compounds as precursors to aluminum nitride: Synthesis and structures of ((CH3)2AlNH2)3 and the planar species ((t-C4H9)2AlNH2)3
[AD-A226866] 07 p0985 N91-15404
GARBE, GREGORY PAUL
A study of ion acceleration at rocket altitudes and development and calibration of pitch angle imaging charged particle detectors 23 p3893 N91-31728
GARBER, DONALD P.
Long-range vertical propagation
08 p1216 N91-16693
GARBER, F. D.
Transitive, anti-symmetric relational attributes in structural description matching with applications to radar target identification
[AD-A231318] 13 p2073 N91-21417
Bispectral analysis of radar signals with application to target classification
[AD-A229388] 22 p3657 N91-30356
GARBEY, MARC
Symbolic manipulation software and the study of differential equations
[DE90-017674] 02 p0254 N91-11413
Asymptotic-induced numerical methods for conservation laws
[NASA-CR-187483] 08 p1145 N91-16305
GARCES-PORCILE, JORGE
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697
GARCIA-GARCIA, C.
The Soudan 2 honeycomb calorimeter
[DE91-013404] 20 p3403 N91-28860
GARCIA-MIGUEL, JUAN A.
Weak positive cloud-to-ground flashes in Northeastern Colorado 24 p4065 N91-32712
GARCIA-PRIETO, R.
Thermal distortion measurement on antenna-reflectors by real-time holographic interferometry in ambient pressure 07 p0958 N91-15269
GARCIA, A. R.
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
GARCIA, ALAIN
Integration of propulsive systems: Selection and compromise
[REPT-911-111-101] 15 p2382 N91-23187
GARCIA, C.
White light solar corona: An atlas of 1988 K-coronameter synoptic charts, December 1987 to January 1989
[NASA-CR-184955] 02 p0294 N91-11649
GARCIA, D.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157
GARCIA, E.
Cubic new compound in the Ba-Ca-Cu-O system: Preliminary phase relationships
[DE91-005880] 10 p1604 N91-18852
Shock initiation of pentaerythritol tetranitrate crystals: Steric effects due to plastic flow
[DE91-013389] 20 p3326 N91-28420
GARCIA, EPHRAHIM
On the modeling and control of slewing flexible structures 06 p0815 N91-14499
Vibration suppression and slewing control of a flexible structure 14 p2231 N91-22339
Feedback control formulations for a complex flexible structure utilizing reaction mass actuators
[AD-A233636] 16 p2676 N91-24814
GARCIA, F.
Habitability: CAMELOT 4 10 p1479 N91-18150
GARCIA, FRANK W., JR.
Sea ice classification using synthetic aperture radar
[AD-A232248] 15 p2471 N91-23689
GARCIA, H. E.
A reconfigurable strategy for distributed digital process control
[DE91-013740] 20 p3390 N91-28786
GARCIA, I. A.
Interferometry, streak photography, and stereo photography of laser-driven miniature flying plates
[DE91-007493] 11 p1708 N91-19405
GARCIA, IVAN
Solving the weighted region least cost path problem using transputers
[AD-A225399] 04 p0561 N91-13109
GARCIA, JOSEPH P.
Optical encoding of imaging data
[AD-D014617] 06 p0872 N91-14821
GARCIA, L.
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
GARCIA, R.
H(-) beam characterization using laser-induced neutralization
[DE91-013501] 20 p3352 N91-28564
Measurement of longitudinal emittance growth using a laser-induced neutralization method
[DE91-013500] 21 p3522 N91-29560
GARCIA, ROBERT
A combined Eulerian-Lagrangian two-phase analysis of the SSME HPOTP nozzle plug trajectories
02 p0151 N91-10878
GARCIACALDERON, G.
Transit time for resonant tunneling
[DE91-617799] 20 p3429 N91-29018
GARCON, M.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842
GARDETTE, B.
Long duration hyperbaric confinement: Hydra 9
15 p2450 N91-23571
GARDINER, R. W.
Vapour deposited aluminium alloys
[RAE-TM-MAT/STR-1153] 12 p1870 N91-20279
GARDINER, ROBIN A.
MOCVD of TlBaCaCuO on MgO using fluorinated beta-diketonate source reagents
[AD-A236594] 19 p3255 N91-28008
MOCVD of TlBaCaCuO superconducting thin films: Structure, property, processing relationships
[AD-A236881] 19 p3255 N91-28011
GARDINER, WILLIAM W.
Speculations and inquiries regarding the possibilities for and limitations to practical interstellar travel
14 p2202 N91-22160
GARDNER, D. G.
Some limitations of detailed balance for inverse reaction calculations in the astrophysical P-process
[DE91-007258] 11 p1818 N91-19983
GARDNER, E. J.
Experience in designing and using a flat structure in a multi-project research organization
[DE91-012427] 20 p3436 N91-29067
GARDNER, J. H.
Hydrodynamic target response to an induced spatial incoherence-smoothed laser beam
[DE91-015757] 23 p3878 N91-31638
GARDNER, JAMES E.
National Educators' Workshop: Update 1988. Standard Experiments in Engineering Materials Science and Technology
[NASA-CP-3060] 12 p1859 N91-20207
GARDNER, JOHN A.
Studying oxygen vacancies in ceramics by perturbed angular correlation spectroscopy
[DE91-005568] 10 p1502 N91-18266
GARDNER, K.
Bibliography of the technical literature of the Materials Joining Group, Metals and Ceramics Division, 1951--June 1989
[DE91-000530] 08 p1115 N91-16126
GARDNER, M. A.
Some limitations of detailed balance for inverse reaction calculations in the astrophysical P-process
[DE91-007258] 11 p1818 N91-19983

GARDNER, ROBERT H.
Validity of environmental transfer models
[DE91-002929] 06 p0843 N91-14660
Potential responses of landscape boundaries to global environmental change
[DE90-008568] 08 p1172 N91-16451
GARDNER, THOMAS W.
Remote sensing and hydrologic modeling of arid watersheds: A scale analysis
[DE91-004044] 10 p1537 N91-18462
GARDNER, WILLIAM A.
Signal-selective high-resolution direction finding in multipath
[AD-A226225] 04 p0476 N91-12656
GARECHT, DIANE
NOVA 201 ultrasonic thickness gage (NOVA Gage)
[NASA-CR-184031] 06 p0829 N91-14581
Flight motor set 360T010 (STS-31R). Volume 1: System overview
[NASA-CR-184104] 13 p2042 N91-21231
GARECHT, DIANE M.
Space shuttle development Motor No. 9 (DM-9), volume 1
[NASA-CR-184029] 04 p0494 N91-12747
Flight motor set 360L009 (STS-36). Volume 1: System overview
[NASA-CR-184041] 04 p0495 N91-12749
GARFINKLE, D.
Angular momentum of an electric charge and magnetically charged black hole
[DE91-005040] 09 p1427 N91-17856
GARG, SANJAY
Towards practical control design using neural computation
[NASA-TM-103785] 11 p1780 N91-19766
IMPAC: An Integrated Methodology for Propulsion and Airframe Control
[NASA-TM-103805] 12 p1841 N91-20122
A method for partitioning centralized controllers
[NASA-TM-4276] 12 p1843 N91-20133
Integrated flight/propulsion control system design based on a decentralized, hierarchical approach
[NASA-TM-103678] 13 p2025 N91-21137
Integrated flight/propulsion control design for a STOVL aircraft using H-infinity control design techniques
[NASA-TM-104340] 13 p2025 N91-21140
Neural network application to aircraft control system design
[NASA-TM-105151] 19 p3107 N91-27167
Application of an integrated flight/propulsion control design methodology to a STOVL aircraft
[NASA-TM-105254] 24 p3962 N91-32143
GARGAN, ROBERT
The Ames-Lockheed orbiter processing scheduling system 12 p1941 N91-20677
GARGIR, N.
Evolution of the IOI operations concept and of the related communications architecture between control facilities 14 p2210 N91-22209
GARHART, M.
The long-term monitoring of the spectrophotometric IUE standard stars 09 p1438 N91-17922
GARIN, VLADIMIR
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697
GARLAND, DOUGLAS
Segmented rotatable nozzles
[CA-PATENT-APPL-SN-2-009-634] 23 p3796 N91-31174
Segmented vectoring cruise nozzles
[CA-PATENT-APPL-SN-2-009-635] 23 p3796 N91-31175
Ventral segmented nozzles
[CA-PATENT-APPL-SN-2-009-636] 23 p3796 N91-31176
GARLAND, J. L.
Use of inedible wheat residues from the KSC-CELSS breadboard facility for production of fungal cellulase 23 p3903 N91-31785
GARLICK, RALPH G.
High temperature cyclic oxidation data. Part 1: Turbine alloys
[NASA-TM-83665] 01 p0025 N91-10149
High-temperature cyclic oxidation data. Part 2: Turbine alloys
[NASA-TM-101468] 01 p0025 N91-10150
GARLICK, STEPHANIE M.
Mechanisms and kinetics of catalytic reactions
[AD-A229912] 12 p1865 N91-20244
GARMAN, JOHN R.
Advanced software integration: The case for ITV facilities 09 p1280 N91-17038
GARMANY, C. D.
New results of the UV variability of the WR stars HD 50896 and HD 192163 09 p1435 N91-17907
GARMIRE, ELSA
Optical NIPI device characterization
[AD-A231157] 13 p2162 N91-21922
Studies of noise in semiconductor laser arrays
[AD-A232411] 15 p2434 N91-23485
GARN, HEINRICH
Noise field strength measures in absorber lined chambers
[OEFZS-4542] 07 p1063 N91-15847
GARN, P. A.
Advanced-technology space station study: Summary of systems and pacing technologies
[NASA-CR-181795] 03 p0319 N91-11785
GARNER, F.
Radiation-induced microstructural development and microchemical changes in Fe-Cr-Mn-Ni solute-bearing alloys
[DE90-016359] 01 p0027 N91-10160
GARNER, F. A.
Radiation resistance of copper alloys at high exposure levels
[DE91-001503] 06 p0809 N91-14470
The influence of helium on mechanical properties of model austenitic alloys, determined using Ni-59 isotopic tailoring and fast reactor irradiation
[DE91-004891] 07 p0981 N91-15385
New insights on the mechanisms controlling the nickel dependence of swelling in irradiated Fe-Cr-Ni alloys
[DE91-004892] 07 p0981 N91-15386
Helium measurements for the MFE-4 spectral tailoring experiment
[DE91-004893] 07 p0981 N91-15387
The influence of nickel content on microstructures of Fe-Cr-Ni austenitic alloys irradiated with nickel ions
[DE91-004894] 07 p0982 N91-15388
Mechanical property changes and microstructures of dispersion-strengthened copper alloys after neutron irradiation at 411, 414, and 529 C
[DE91-005518] 09 p1312 N91-17204
Radiation-induced changes in electrical conductivity of a wide range of copper alloys
[DE91-007200] 11 p1682 N91-19271
GARNER, JAMES M.
Aerodynamics of a 0.60 caliber electromagnetic projectile
[AD-A234660] 18 p2921 N91-26116
GARNER, KENNETH N.
Liquid jet breakup and atomization in rocket chambers under dense spray conditions 20 p3296 N91-28227
GARNER, R. B.
CIM 10-micrometers array development
[AD-A236781] 19 p3159 N91-27467
GARNER, RICHARD C.
A program to operate and upgrade the GL low altitude lidar systems
[AD-A238081] 21 p3500 N91-29423
Scattering and polarization measurements using the PL/OPA low altitude lidar
[AD-A238082] 21 p3500 N91-29424
GARNERO, MARIE-AGNES
Small time step adaptive control: Theory and application to an electric furnace
[ECL-90-17] 23 p3918 N91-31883
GARNETT, DONALD ROY
Nitrogen and sulfur in irregular galaxies 02 p0289 N91-11624
GARNIER, J.
Radiation sensitivity of power MOSFETS 24 p3998 N91-32344
GARRARD, W. N. C.
Effect of shrapnel penetration on lithium-carbon monofluoride and lithium-manganese dioxide batteries
[MRL-TN-579] 10 p1517 N91-18351
GARRARD, WILLIAM L.
Eigenspace design of helicopter flight control systems
[AD-A231588] 13 p2028 N91-21153
GARRATT, J. R.
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165
GARRATT, V. E. W.
Developments in icing test techniques for aerospace applications in the RAE Pyestock altitude test facility 23 p3796 N91-31173
GARRETSON, TED D.
Icing test capabilities for aircraft propulsion systems at the Arnold Engineering Development Center 23 p3795 N91-31170
GARRETT, D. N.
Reliable, high repetition rate thyratron grid driver used with a magnetic modulator
[DE91-016558] 24 p4008 N91-32413
GARRETT, FREDERICK, JR.
Analytical aerodynamic model of a high alpha research vehicle wind-tunnel model
[NASA-CR-187469] 05 p0614 N91-13404
GARRETT, J. D.
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899
GARRETT, JERRY D.
Report of the Study Group on Complete Spectroscopy
[DE90-011647] 09 p1306 N91-17167
GARRETT, L. BERNARD
Benefits from synergies and advanced technologies for an advanced-technology space station
[NASA-TP-3067] 12 p1852 N91-20177
GARRETT, MICHAEL J.
Near-field antenna testing using the Hewlett Packard 8510 automated network analyzer
[NASA-TM-103699] 12 p1890 N91-20393
GARRETT, R. F.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
GARRETT, S. E.
Some high voltage DC breakdown properties of thick film circuits on alumina
[DE91-014675] 20 p3340 N91-28500
GARRETT, S. M.
Electric rate structures for thermal energy storage evaluation
[DE91-013168] 21 p3536 N91-29644
GARRETT, W. R.
Large collective lamb shifts in high pressure noble gases
[DE90-017761] 04 p0528 N91-12924
GARRIDO, F.
CPFS: The total information system tool for EEE-parts procurement 24 p4003 N91-32379
GARRIGUE, JEAN-MARIE
Soldering of complex multilayer printed boards
[CNES-NT-127] 23 p3852 N91-31474
GARRIOTT, OWEN K.
Free-floating experiments in orbiter and space station 03 p0432 N91-12420
Nano-G research laboratory for a spacecraft
[NASA-CASE-GSC-13197-1] 19 p3113 N91-27201
GARRISON, J. C.
Spatial propagation of squeezed light in a degenerate parametric amplifier
[DE91-014989] 21 p3601 N91-30039
GARRISON, JAMES L.
Launch vehicle integration options for a large Earth sciences geostationary platform concept
[NASA-TP-3083] 19 p3110 N91-27180
GARRISON, JOHN
Wave optics modelling of amplified spontaneous emission
[DE91-006238] 09 p1343 N91-17375
GARRISON, W. M., JR.
An investigation of the role of second phase particles in the design of ultra high strength steels of improved toughness
[AD-A226056] 04 p0504 N91-12798
GARROD, M. J.
Thermal analyses for quality control of plastics, ceramics, and explosives
[DE91-002701] 06 p0836 N91-14622
GARROWAY, A. N.
Nuclear magnetic resonance imaging with short gradient pulses
[AD-D014910] 19 p3178 N91-27573
GARROWAY, ALLEN
Planar imaging by nuclear magnetic resonance
[AD-D014711] 10 p1591 N91-18771
GARSHNEK, VICTORIA
USSR Space Life Sciences Digest, issue 31
[NASA-CR-3922(37)] 22 p3713 N91-30669
GARSTANG, MICHAEL
Design of the primary and secondary Pre-TRMM and TRMM ground truth sites
[NASA-CR-188755] 22 p3696 N91-30577
Trace gas and aerosol transports into and out of the Amazon Basin
[NASA-CR-188786] 22 p3704 N91-30613
GARTEN, CHARLES T., JR.
Acidic deposition and the environment
[DE91-002352] 05 p0685 N91-13812
GARTENBERG, EHUD
Convective response of a wall-mounted hot-film sensor in a shock tube 12 p1900 N91-20451
Twenty-five years of aerodynamic research with IR imaging: A survey
[SPIE-1467-59] 12 p1900 N91-20452
GARTMEIER, OTTO
A finite element procedure for calculating fluid-structure interaction using MSC/NASTRAN
[NASA-TM-102857] 08 p1165 N91-16414
GARTON, D.
Rosat mission planning 14 p2214 N91-22232

GARTRELL, CHARLES F.
Space Station Freedom resource allocation accommodation of technology payload requirements
[NASA-TM-102766] 08 p1239 N91-16832
GARVEY, JAMES F.
Cluster production in free-jet expansions: Chlorobenzene seeded in ammonia
[AD-A224692] 03 p0337 N91-11887
Cluster beam analysis via photoionization
[AD-A234111] 18 p2946 N91-26253
Cationic polymerization within van der Waals clusters of the form (CH2=R)n where R=CH2, CF2 and CHCH3
[AD-A234233] 18 p2946 N91-26255
Cluster beam deposition of high temperature materials
[AD-A234358] 18 p2961 N91-26343
GARVEY, R. E.
Potential for advanced thermoplastic composites in space systems
[DE90-014447] 02 p0191 N91-11069
GARVIN, CHARLES G.
A survey of techniques in Aided Target Recognition (ATR) from digital and optical perspectives
[AD-A238644] 21 p3604 N91-30052
GARVIN, J. B.
K/T age for the popigai impact event
11 p1820 N91-19999
GARVIN, JAMES B.
High-resolution measurements of surface topography with airborne laser altimetry and the global positioning system 17 p2795 N91-25462
GARWIN, E. L.
Strain enhanced electron spin polarization observed in photoemision from InGaAs
[DE91-012319] 20 p3425 N91-28996
GARY, BRUCE L.
Microwave temperature profiler for clear air turbulence prediction
[NASA-CASE-NPO-18115-1-CU]
15 p2465 N91-23662
GARY, G. A.
Coaligned observations of solar magnetic fields at different heights: MSFC Center director's discretionary fund final report (Project No. 88-10)
[NASA-TM-103516] 01 p0141 N91-10832
GARY, J.
Time domain frequency stability calculated from the frequency domain description: Use of the SIGINT software package to calculate time domain frequency stability from the frequency domain
[PB90-257684] 02 p0253 N91-11405
GARY, J. PATRICK
Proceedings of the Second Annual NASA Science Internet User Working Group Conference
[NASA-CP-3117] 18 p3077 N91-27009
User support services and network application development: An overview 18 p3078 N91-27015
The Internet resources guide and the Automatic Login Executor (ALEX) 18 p3080 N91-27030
GARY, S. P.
Plasma diffusion at the magnetopause? The case of lower hybrid drift waves
[NASA-CR-188913] 23 p3929 N91-31957
Solar particle events during the rising phase of solar cycle 22
[DE91-016042] 24 p4124 N91-33049
GARY, S. PETER
A quasi-linear theory to explain ion acceleration in the distant cometary environment 12 p2007 N91-21045
GARZON, F. H.
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
GARZOTTO, FRANCA
Hypertext development using a model-based approach
[REPT-90-074] 23 p3936 N91-31995
GASANOV, I. S.
Plasma-optics systems for the formation and focusing of ion beams 23 p3929 N91-31956
GASCARD, J. C.
Using satellite remote sensing imagery for marginal ice zone research in the ARCTEMIZ project
15 p2454 N91-23600
GASIEWSKI, A. J.
The Millimeter-Wave Imaging Radiometer (MIR)
17 p2795 N91-25463
GASIEWSKI, ALBIN J.
Design, performance evaluation, and investigation of the theoretical capabilities of the NASA Millimeter-wave Imaging Radiometer (MIR)
[NASA-CR-187984] 11 p1707 N91-19398
GASIOT, J.
Space radiation effects on power MOSFET: Threshold-voltage shift with dose rate
24 p4001 N91-32363
Laser heated calcium sulfate TLD plates: Application to radiation mapping 24 p4001 N91-32364
GASNIER, J.
Study of the time and effort signal in cutting operations
[CETIM-101580] 05 p0646 N91-13583
GASPAR, P. P.
Reaction studies of hot silicon, germanium and carbon atoms
[DE91-006921] 12 p1978 N91-20885
GASPAR, T. A.
Direct cast titanium aluminide strip
[AD-A231906] 14 p2246 N91-22424
GASPER, THOMAS A.
Direct cast titanium alloy strip
[AD-A227639] 07 p0979 N91-15375
GASQUET, A.
Assembly, integration and test planning tool
07 p0950 N91-15214
GASQUET, ANDRE
PlanERS-1: Towards a new generation of mission planning systems 14 p2213 N91-22225
Optimum-AIV: A planning and scheduling system for spacecraft AIV 14 p2312 N91-22770
GASSER, G.
Thermal control for the ground simulation of a space IR sensor system 11 p1659 N91-19140
GASSET, G.
Growth rate of bacteria without and with antibiotic at different levels of gravity 11 p1751 N91-19632
GASTELLU-ETCHEGORRY, J. P.
Satellite remote sensing for agricultural projects
[PB90-257916] 02 p0227 N91-11270
GASTON, DARILYN M.
Selection of wires and circuit protective devices for STS Orbiter vehicle payload electrical circuits
[NASA-TM-102179] 16 p2619 N91-24501
GATELY, MICHAEL T.
Radar signal categorization using a neural network
13 p2140 N91-21782
GATES, AUDREY
Suggested criteria for evaluating systems engineering methodologies 19 p3277 N91-28127
GATES, BRUCE C.
Metal-support bonds in supported metal catalysts
[DE91-005004] 07 p0983 N91-15393
GATES, DICK
Space station structural performance experiment
03 p0433 N91-12424
GATES, M.
The advanced solar cell orbital test
22 p3638 N91-30247
GATES, STEPHEN
Equations of motion for a flexible spacecraft-lumped parameter idealization
[NASA-CR-188727] 21 p3464 N91-29211
GATES, THOMAS G.
Chronology: MSFC Space Station program, 1982 - present. Major events
[NASA-CR-184014] 06 p0933 N91-15119
Chronology: MSFC Space Shuttle program development, assembly, and testing major events (1969 - April, 1981)
[NASA-CR-184013] 06 p0933 N91-15120
Historical annotated bibliography: Space Station documents
[NASA-CR-184012] 07 p1086 N91-15974
GATES, THOMAS S.
Rate dependent stress-strain behavior of advanced polymer matrix composites
[NASA-TM-104070] 15 p2393 N91-23244
GATES, W. L.
Interseasonal air-sea interactions in the OSU (Oregon State University) coupled upper ocean-atmosphere GCM (General Circulation Model)
[DE91-005261] 10 p1556 N91-18557
Temporal sampling considerations in global climate modeling
[DE91-015695] 23 p3891 N91-31717
GATEWOOD, P. D.
Research and development for Digital Voice Processing (DVP)
[AD-A238280] 21 p3501 N91-29427
GATH, ISAK
Detection of outliers and robust estimation using fuzzy clustering
[RR-822-M] 15 p2496 N91-23823
GATHERS, G. R.
Analysis of multi-wavelength pyrometry using non-linear chi-square fits and Monte Carlo methods
[DE91-011185] 17 p2847 N91-25734
GATHMAN, STUART
NRL tethered balloon measurements at San Nicolas Island during FIRE IFO 1987 01 p0086 N91-10509
GATINEAU, R. J.
Laboratory test and acoustic analysis of cabin treatment for propfan test assessment aircraft
[NASA-CR-182075] 16 p2681 N91-24844
GATLEY, I.
A two micron polarization survey toward dark clouds
06 p0896 N91-14952
GATLEY, IAN
Infrared astronomy 24 p4119 N91-33019
GATLIN, BOYD
Multi-blocking strategies for the INS3D incompressible Navier-Stokes code 10 p1629 N91-18982
GATLIN, GREGORY M.
Low-speed, powered ground effects of a generic, hypersonic configuration
[NASA-TP-3092] 17 p2727 N91-25103
GATRELL, LANCE B.
Machine vision based teleoperation aid
14 p2315 N91-22784
GATSCHET, LAWRENCE L.
Multidisciplinary modeling and design of a space structure
[AD-A230626] 12 p1858 N91-20198
GATSKI, T. B.
Development of turbulence models for shear flows by a double expansion technique
[NASA-CR-187611] 22 p3676 N91-30466
GATSKI, THOMAS B.
Modeling the dissipation rate in rotating turbulent flows
[NASA-CR-187485] 08 p1146 N91-16306
An analysis of RNG based turbulence models for homogeneous shear flow
[NASA-CR-187552] 15 p2425 N91-23433
GATSURA, YE. F.
Limiting pulse signal in NbN-Si structure: Superconductor film on substrate
11 p1789 N91-19815
GAUBIN, YOLANDE
Human dermal fibroblast sensitivity to hypergravity
11 p1751 N91-19630
GAUCH, SUSAN
Search improvement via automatic query reformulation
[AD-A236588] 19 p3261 N91-28037
GAUCH, SUSAN EVALYN
An expert system for searching in full-text
15 p2523 N91-23983
GAUDEAU, CLAUDE
Simulation expert system for physiological mechanisms of the space motion sickness 11 p1745 N91-19596
GAUDERT, P. C.
Effect of fortifier on compression-after-impact strength of carbon fabric reinforced epoxy
[NAE-LTR-ST-1736] 21 p3469 N91-29237
GAUG, RONALD
Computational materials science. An example: Numerical modeling of chemical vapor deposition processing of advanced fibers 12 p1840 N91-20111
GAUGHAN, DANIEL J.
Silicon hybrid Wafer Scale Integration (WSI) used to fabricate a Hilbert transform integrated circuit module
[AD-A230605] 13 p2075 N91-21428
GAUGHT, WILLIAM L.
Improving reliability in a stochastic communication network
[AD-A230442] 12 p1883 N91-20355
GAUGLER, RAYMOND E.
Turbomachinery 12 p1837 N91-20097
Overview of aerothermodynamic loads definition study
16 p2586 N91-24334
GAUL, S. J.
The advantages of silicon-on-insulator technologies for space environments 24 p3999 N91-32352
GAUNTT, DAVID L.
Soil-resistant treatment for aircraft tactical paint schemes
[AD-A231424] 14 p2193 N91-22115
GAUQUELIN, GUILLEMETTE
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station)
11 p1761 N91-19689
GAUR, VINOD
Report of the panel on international programs
13 p2107 N91-21599
GAUSTER, W. B.
Plasma-facing materials
[DE90-008243] 08 p1226 N91-16753
GAUTHIER, BENOIT G.
Low frequency vibration absorber
[AD-D014820] 16 p2635 N91-24587
GAUTHIER, D.
A real scale simulator for high frequency LEMP
24 p4063 N91-32700
A theoretical analysis of the electromagnetic environment of the AS330 super Puma helicopter external and internal coupling 24 p4063 N91-32701
GAUTHIER, J. E. D.
The influence of fuel characteristics on heterogeneous flame propagation 23 p3795 N91-31165

GAUTHIER, M.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
GAUTHIER, PATRICE
French SATCOM program and related international activities 24 p3956 N91-32102
GAUTIER, B.
Comparison study of the aerodynamic coefficients measured on models with circular or squared section and large elongation in supersonic flow
[ISL-R-125/89] 13 p2019 N91-21106
GAUTIER, C.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475
GAUTIER, CATHERINE
A cloud classification scheme applied to the breakup region of marine stratocumulus 01 p0084 N91-10497
GAUTIER, L.
Study of lightning strikes on an aircraft in flight. Electromagnetic measurements
[ONERA-RF-25/7234-PY] 23 p3786 N91-31111
GAVALER, J. R.
Superconducting electronic film structures
[AD-A233473] 16 p2695 N91-24920
GAVALI, SHARAD
Prediction of turbine rotor-stator interaction using Navier-Stokes methods 02 p0151 N91-10881
GAVASKAR, A. R.
Method to select chemicals for in situ biodegradation of fuel hydrocarbons
[AD-A227541] 07 p0987 N91-15417
GAVEL, D.
Irradiance compensation control for high-energy laser propagation. Part 1: Theory and Fourier control model propagation results
[DE91-013130] 20 p3351 N91-28559
GAVEL, D. T.
Application of telerobotic control to remote processing of nuclear material
[DE91-016562] 24 p4026 N91-32501
GAVER, DONALD P.
Defense Data Network (DDN) performance analysis using probability modeling
[AD-A226856] 06 p0886 N91-14894
Latent factor models and analyses for operator response times
[AD-A229675] 12 p1933 N91-20638
Regression analysis of hierarchical poisson-like event rate data: Super-population model effect on predictions
[AD-A230297] 12 p1973 N91-20855
Classification of intermittent dependent observations
[AD-A231605] 13 p2145 N91-21811
GAVIN, JOYCE E.
Multi-dimensional aspects of recent climate change in North America
[DE90-010958] 08 p1173 N91-16460
GAVIN, THOMAS R.
Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU] 19 p3256 N91-28014
GAVRIN, V. N.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058
GAWANDE, BERND
Evaluation process for the examination of curved surface workpieces using coordinate measuring instruments
[ETN-90-97901] 02 p0215 N91-11203
GAWRONSKI, W.
Predictive control and estimation algorithms for the NASA/JPL 70-meter antennas 10 p1510 N91-18312
Modeling and simulations of the DSS 13 antenna control system 24 p3986 N91-32268
GAY, CHERYL
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684
GAYDA, JOHN
Isothermal fatigue behavior of a (90)(sub 8) SiC/Ti-15-3 composite at 426 C
[NASA-TM-103686] 12 p1862 N91-20228
GAYER, ALLAN
Investigation of a multifrequency reconfigurable phased array antenna
[AD-A236422] 19 p3151 N91-27416
GAYLE, FRANK W.
Evaluation of the microstructure of Al-Cu-Li-Ag-Mg Weldalite (tm) alloys, part 4
[NASA-CR-4368] 16 p2599 N91-24404
Natural aging and reversion behavior of Al-Cu-Li-Ag-Mg alloy Weldalite (tm) 049 16 p2599 N91-24405
Structure and properties during aging of an Al-Cu-Li-Ag-Mg alloy, Weldalite (tm) 049 16 p2600 N91-24406
High resolution electron microscopy study of a high Cu variant of Weldalite (tm) 049 and a high strength Al-Cu-Ag-Mg-Zr alloy 16 p2600 N91-24409
GAYLE, T. M.
Characterization of rocket propellant combustion products: Description of sampling and analysis methods for rocket exhaust characterization studies
[DE91-002536] 05 p0644 N91-13574
GAYLEY, KENNETH GRIER
Hydrogen line diagnostics in impulsive flares 17 p2889 N91-25973
GAYNOR, J. E.
The international sodar intercomparison experiment
[PB90-246224] 01 p0069 N91-10416
GAYVERT, ROBERT T.
Northeast Artificial Intelligence Consortium (NAIC). Volume 16: Intelligent signal processing techniques for multi-sensor surveillance systems
[AD-A234895] 18 p3048 N91-26830
GAZDAG, DENYSE
Potential use of tiltrotor aircraft in Canadian aviation
[NASA-TM-102245] 08 p1093 N91-16001
GAZENKO, O. G.
Survey of the principal results of medical research in the flight program of the second main expedition aboard the Mir orbiting complex 18 p3022 N91-26686
Habitability and biological life support systems 19 p3215 N91-27769
GAZONAS, GEORGE A.
The mechanical response of M30, XM39, and JA2 propellants at strain rates from one one-hundredth to 250 per second
[AD-A231435] 14 p2252 N91-22461
GAZTANAGA, E.
Void probability as a function of the void's shape and scale-invariant models
[NASA-CR-188696] 20 p3444 N91-29113
GAZZANIGA, M. S.
Multimodal interactions in sensory-motor processing
[AD-A229111] 09 p1372 N91-17540
GE, QING
Planning and distributed planning based on objects and relations with goal-directed dynamic plan revision 22 p3741 N91-30839
GEA, LIE-MINE
Computation of transonic flow over elastic rotor blade 02 p0156 N91-10906
GEAHEL, ISABELLE
Preliminary study of a membrane bioreactor for cell culture in space 11 p1750 N91-19627
GEAR, WALTER K.
The importance of submillimetre observations of radio quiet and radio loud AGN's 13 p2174 N91-22000
SCUBA: A submillimetre camera 13 p2180 N91-22044
GEARHART, JAMES WALTER
Boosting a tethered satellites's orbit around an oblate planet through resonant pumping 02 p0183 N91-11030
GEBALLE, T. H.
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
GEBALLE, T. R.
H2 line emission in three Seyfert nuclei: Evidence against UV-excitation 05 p0751 N91-14185
Infrared images of reflecuon nebulae and Orion's bar: Fluorescent molecular hydrogen and the 3.3 micron feature 06 p0890 N91-14918
Spatial variations of the 3 micron emission features within nebulae 06 p0891 N91-14922
Limit on the CH4/CO ratio in Comet Levy (1990c) and comparisons with other comets 17 p2897 N91-26013
GEBALLE, THEODORE H.
High temperature superconducting films and crystals
[AD-A235234] 18 p3070 N91-26965
GEBAUER, LINDA
Atomic oxygen interactions with FEP Teflon and silicones on LDEF 16 p2715 N91-25029
GEBHARDT, K. F.
Bubbles and foams (TEXUS 10) ESA 23 p3823 N91-31324
GEDDES, J.
A 30 GHz monolithic receive module
[NASA-CR-187085] 15 p2410 N91-23346
GEDEON, DAVID
Manifest: A computer program for 2-D flow modeling in Stirling machines
[NASA-CR-182290] 16 p2628 N91-24553
GEE, J. M.
Processing experiments for development of high-efficiency silicon solar cells
[DE91-002698] 06 p0841 N91-14645
Tandem concentrator solar cells with 30 percent (AMO) power conversion efficiency 11 p1667 N91-19189
GEE, JAMES M.
Status of concentrator collector and high-efficiency concentrator cell development
[DE91-001260] 05 p0682 N91-13793
A theoretical investigation of effective surface recombination velocity in AlGaAs/GaAs heteroface solar cells
[DE91-001754] 05 p0683 N91-13795
GEE, T.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
GEELEN, G.
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station) 11 p1761 N91-19689
GEERINCK, H.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
GEERLIGS, LAMBERT JOHAN
Classical and quantum charge dynamics in small tunnel junctions
[ETN-91-98916] 11 p1811 N91-19947
GEESE, WOLFGANG
An automated spacecraft control implementation for Usingen (Fed. Republic of Germany) SCC 14 p2209 N91-22199
GEFFROY, P.
Use of 4-hot-wire probes to study turbulent flow
[AAAF-NT-89-15] 23 p3870 N91-31588
GEHREIS, TOM
Spacewatch search for near-Earth asteroids 16 p2596 N91-24385
GEHRELS, T.
Search for near-Earth asteroids with the spacewatch camera 17 p2754 N91-25240
Discovery and orbital characterization of near-Earth asteroids 17 p2904 N91-26039
GEHRET, J.
Development of a gas engine-driven chiller
[PB91-130237] 13 p2068 N91-21389
GEHRING, J. C.
Proton-induced fission at ultra sub-barrier energies
[DE91-011169] 16 p2687 N91-24874
GEHRZ, R. D.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
GEHRZ, ROBERT
Infrared astronomy 24 p4119 N91-33019
GEHRZ, ROBERT D.
Astrophysical dust grains in stars, the interstellar medium, and the solar system 14 p2346 N91-22970
GEIL, P. H.
Characterization studies of fluorinated epoxy resins: Naval experimental resin C8/1SA as a structural material and for use in blends and composites
[AD-A234188] 18 p2960 N91-26338
GEIMER, RAY M.
PCB/transformer techno-economic analysis model: User manual, volume 2
[DE90-010654] 08 p1131 N91-16223
GEIS, N.
The 158 micrometer (CII) line: A measure of global star formation activity in galaxies
[NASA-CR-187925] 08 p1267 N91-16977
The (C II) 158 micron line mapping of spiral galaxies 13 p2173 N91-21996
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009
GEISELHART, KARL A.
Concept development of a Mach 4 high-speed civil transport
[NASA-TM-4223] 05 p0619 N91-13432
Computer program for estimating performance of air-breathing aircraft engines
[NASA-TM-4254] 14 p2191 N91-22103
GEISER, URS
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582
GEISSINGER, STEVE K.
Water cooled static pressure probe
[NASA-CASE-LAR-14340-1-CU] 05 p0663 N91-13684

GEIST, A.
Solving computational grand challenges using a network of heterogeneous supercomputers
[DE91-013725] 20 p3385 N91-28755
A users' guide to PVM (parallel virtual machine)
[DE91-016934] 23 p3914 N91-31855
GEIST, G. A.
Computing the eigenvalues and eigenvectors of a general matrix by reduction to general tridiagonal form
[DE91-002523] 05 p0710 N91-13959
A user's guide to PICL: A portable instrumented communications library
[DE91-005648] 09 p1374 N91-17550
Early experience with the Intel iPSC/860 at Oak Ridge National Laboratory
[DE91-005602] 09 p1388 N91-17632
The PVM (Parallel Virtual Machine) system: Supercomputer level concurrent computation on a network of IBM RS/6000 power stations
[DE91-007844] 11 p1779 N91-19757
Network based concurrent computing on the PVM system
[DE91-014961] 20 p3389 N91-28780
The PVM system: Supercomputer level concurrent computation on a heterogeneous network of workstations
[DE91-016276] 23 p3916 N91-31870
Parallel implementation of a nonsymmetric tridiagonal eigensolver
[DE91-016773] 24 p4087 N91-32834
GELARO, RONALD
The structure and dynamics of tropical-midlatitude interactions
[AD-A229904] 12 p1922 N91-20575
GELB, A.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
GELBARD, E. M.
Computation of standard deviations in Eigenvalue calculations
[DE90-017809] 02 p0264 N91-11479
GELFAND, A. E.
Bayesian analysis of constrained parameter and truncated data problems
[AD-A231080] 13 p2144 N91-21810
Bayes theorem from a sampling-resampling perspective
[AD-A239515] 23 p3923 N91-31919
GELFAND, ALAN E.
Improved estimation of variance components in mixed models
[AD-A226854] 06 p0867 N91-14794
Hierarchical Bayesian analysis of change point problems
[AD-A228179] 08 p1211 N91-16666
GELHAAR, B.
A new approach to hardware-in-the-loop simulation (FALKE shuttle) 07 p1045 N91-15735
GELHAUSEN, PAUL A.
Integrated flight-propulsion control concepts for supersonic transport airplanes
[NASA-TM-101728] 05 p0624 N91-13460
GELLATLY, A. W.
Methods for evaluating discomfort glare
[PB91-185132] 21 p3549 N91-29722
GELLER, A. S.
Computational fluid dynamics for defect control in semiconductor processing
[DE91-011234] 17 p2873 N91-25893
GELLER, E. W.
Study of asymmetric supersonic jet flow for ejectors
[DE90-015598] 02 p0158 N91-10917
GELLER, HAROLD A.
Preliminary results of investigations into the use of artificial neural networks for discriminating gas chromatograph mass spectra of remote samples 14 p2316 N91-22793
GELLER, MARVIN A.
Residual circulations calculated from satellite data: Their relations to observed temperature and ozone distributions
[NASA-CR-188952] 04 p0610 N91-13391
GELLERMAN, W.
Research in the physical sciences with application to the free electron laser
[AD-A237884] 21 p3523 N91-29571
GELLERT, E.
Tropical tests of a seawater marker
[MRL-TR-90-19] 23 p3786 N91-31109
GELLES, D. S.
Microstructural examination in FFTF irradiated manganese stabilized martensitic steel
[DE90-011930] 09 p1311 N91-17197
Postirradiation deformation of ferritic Fe-Cr binary alloys
[DE91-014856] 21 p3479 N91-29295
GELLES, DAVID S.
Ion irradiation effects on a martensitic stainless steel designed for reduced long-life radioactivity
[DE91-005045] 10 p1497 N91-18242
GELSTON, SEAN M.
Mechanical properties of microelectronics thin films: Silicon dioxide (SiO2)
[AD-A225395] 03 p0425 N91-12380
GEMAUX, G.
Laser Fourier densitometry and laser induced photochemical anemometry in supersonic flow
[AAAF-NT-89-09] 23 p3785 N91-31103
Development of an infrared Laser Fourier Densitometer (LFD) and first wind tunnel tests
[PMI-2335] 23 p3799 N91-31189
GEMMEN, R.
Mass transfer in oscillating flows: Efficient drying via pulse combustors
[PB90-242389] 01 p0040 N91-10235
GEMOETS, LEOPOLDO
Knowledge extraction methods for the development of expert systems 17 p2732 N91-25130
GENENS, L.
Design and cost of near-term OTEC (Ocean Thermal Energy Conversion) plants for the production of desalinated water and electric power
[DE91-006406] 11 p1727 N91-19508
GENERAZIO, EDWARD R.
Overview of space propulsion systems for identifying nondestructive evaluation and health monitoring opportunities
[NASA-TM-103614] 07 p1013 N91-15565
Thermal shock of fiber reinforced ceramic matrix composites
[NASA-TM-103777] 11 p1687 N91-19295
Transition-to-practice technologies for brittle materials 12 p1839 N91-20107
Nondestructive evaluation tools and experimental studies for monitoring the health of space propulsion systems
[NASA-TM-105164] 20 p3359 N91-28605
GENG, S. M.
Design of multihundredwatt DIPS for robotic space missions
[NASA-TM-104401] 16 p2568 N91-24232
GENNARI, JOHN H.
An integrated cognitive architecture for autonomous agents
[AD-A225701] 04 p0555 N91-13076
GENOLINI, STEFANO
MML language analysis
[REPT-91-003] 22 p3731 N91-30769
GENT, A. N.
Fracture mechanics and cavitation in rubberlike solids
[AD-A233310] 16 p2606 N91-24443
Effect of temperature and oxygen on the strength of elastomers
[AD-A233535] 16 p2606 N91-24445
GENT, ALAN N.
Gordon Research Conference on Composites
[AD-A233778] 18 p2939 N91-26210
GENTILE, F. T.
An atomistic model of the amorphous glassy polycarbonate of 4,4'-isopropylidenediphenol
[AD-A237291] 21 p3487 N91-29345
GENTILE, FRANK T.
Simulation of the structure of dense, amorphous bisphenol-A polycarbonate
[AD-A237222] 21 p3474 N91-29270
GENTILE, ROBERT
A modification of 4330 alloy steel
[DE91-001764] 06 p0807 N91-14455
GENTLEMAN, W. M.
Using the Harmony operating system: Release 3.0
[ERA-377] 21 p3562 N91-29799
GENTLES, A. B.
Digital audio editing: The development of a random access editor
[BBC-RD-1990/5] 02 p0204 N91-11142
GENTRY, JAMES A.
Classification using multi-layered perceptrons
[AD-A232810] 15 p2492 N91-23802
GENTRY, W. RONALD
State-to-state dynamics of molecular energy transfer
[DE91-004589] 06 p0832 N91-14599
GENTZ, STEPHEN
A study of microstructural characteristics and differential thermal analysis of Ni-based superalloys 19 p3275 N91-28115
GENZEL, R.
The far-infrared and submillimetre space telescope (FIRST)
[MPE-PREPRINT-191] 09 p1426 N91-17847
Detection of an isotopic short submillimeter CO line: Column densities of warm gas in molecular clouds
[MPE-PREPRINT-178] 11 p1817 N91-19976
High resolution imaging for Brackett gamma and H2 1-0 S(1) emission in the Seyfert galaxy NGC 1068
[MPE-PREPRINT-192] 15 p2368 N91-23104
The molecular interstellar medium and the near-infrared continuum of the barred liner NGC 6764
[MPE-PREPRINT-193] 15 p2532 N91-24029
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009
GENZEL, REINHARD
High angular resolution mm- and submm-observations of dense molecular gas in M82 05 p0761 N91-14230
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236
Structure and energy balance of molecular clouds
[MPE-PREPRINT-181] 08 p1267 N91-16975
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
The 158 micrometer (CII) line: A measure of global star formation activity in galaxies
[NASA-CR-187925] 08 p1267 N91-16977
The galactic center at submillimeter and far-infrared wavelengths
[MPE-PREPRINT-190] 08 p1267 N91-16978
The (C II) 158 micron line mapping of spiral galaxies 13 p2173 N91-21996
The galactic center at submillimeter and far-infrared wavelengths 13 p2174 N91-22002
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
GEOFFRION, ARTHUR M.
FW/SM: A prototype structured modeling environment
[AD-A224756] 03 p0400 N91-12226
GEOFFROY, AMY L.
Sharing intelligence: Decision-making interactions between users and software in MAESTRO 14 p2312 N91-22772
GEOHEGAN, D. B.
In-situ laser ablation plasma diagnostics in the film growth regime: Effects of ambient background gases
[DE91-006332] 09 p1407 N91-17745
Spectroscopic and ion probe characterization of laser produced plasmas used for thin film growth
[DE91-013425] 20 p3419 N91-28959
GEORGE, A.
The laser-Doppler-velocimeter for flow diagnostics: Density and velocity measurements in post-piston boundary layer flow
[ISL-CO-208/90] 12 p1899 N91-20442
GEORGE, ALBERT R.
Prediction of XV-15 tilt rotor discrete frequency aeroacoustic noise with WOPWOP
[NASA-CR-187684] 06 p0869 N91-14803
GEORGE, ANDREAS C.
Rn222, Rn222 progeny and Rn220 progeny as atmospheric tracers of air masses at the Mauno Loa Observatory
[DE90-014872] 01 p0093 N91-10539
GEORGE, D. C.
UPD: A portable version-control program
[DE91-011046] 17 p2888 N91-25968
GEORGE, E. P.
Brittle fracture and ductility improvement in nickel and iron aluminides
[DE90-017319] 01 p0028 N91-10167
Mechanical properties, fracture behavior, and grain-boundary chemistry of B-doped NiAl
[DE90-015153] 02 p0277 N91-11558
Effect of aluminum concentration and boron dopant on environmental embrittlement in FeAl aluminides
[DE91-005450] 10 p1498 N91-18248
GEORGE, EDWARD I.
Capture-recapture models and Bayesian sampling
[AD-A226853] 07 p1060 N91-15833
GEORGE, J. D.
Variable projection methods with application to sums of exponentials in white noise
[AD-A231344] 14 p2323 N91-22829
GEORGE, J. S.
Noninvasive studies of human visual cortex using neuromagnetic techniques
[DE91-001856] 07 p1035 N91-15680
GEORGE, M. C.
NASA-HBCU Space Science and Engineering Research Forum Proceedings
[NASA-CR-188650] 19 p3266 N91-28063
Surface roughness of flat and curved optical surfaces 19 p3277 N91-28126
GEORGE, M. H.
Utilization of emergency medical kits by air carriers
[AD-A234784] 18 p3029 N91-26721
GEORGE, M. J.
VISAR: Line-imaging interferometer
[DE91-014749] 21 p3519 N91-29542

GEORGE, PETE
Results from analysis of Boeing composite specimens flown on LDEF experiment M0003
16 p2718 N91-25050

GEORGE, RAY
Survey of NCAR user needs for visualization tools. A research report of the Digital/NCAR joint research project
[PB91-115444] 13 p2028 N91-21154

GEORGE, S. M.
FTIR studies of H2O and D2O decomposition on porous silicon surfaces
[AD-A226581] 04 p0503 N91-12792
FTIR studies reveal that silicon-containing laser-induced desorption products are surface reaction intermediates
[AD-A226582] 04 p0503 N91-12793
Comparison of hydrogen desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234633] 18 p2947 N91-26262
Comparison of H2 desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234634] 18 p2947 N91-26263
Desorption product yields following Cl2 adsorption on Si(111)7x7: Coverage and temperature dependence
[AD-A234635] 18 p2947 N91-26264
FTIR studies of water and ammonia decomposition on silicon surfaces
[AD-A234637] 18 p2948 N91-26265
Diethylsilane decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A234638] 18 p2948 N91-26266
Adsorption and decomposition of diethylsilane on silicon surfaces
[AD-A234639] 18 p2948 N91-26267
Laser-induced desorption of H2 from Si(111)7x7
[AD-A234636] 18 p2990 N91-26508

GEORGE, STEVEN M.
Ammonia decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A226625] 05 p0634 N91-13513
Publications, patents, presentations, honors, and students report. Kinetics of semiconductor processing chemistry: SiGe and GaAs growth on silicon surfaces
[AD-A226639] 05 p0634 N91-13514

GEORGE, T. J.
Fuel cells
[DE90-009686] 05 p0684 N91-13805

GEORGE, THOMAS F.
Coefficients of the second viscosity in thin liquid-helium films
[AD-A225237] 03 p0339 N91-11899
Specific heat of anisotropic superconductors
[AD-A225031] 03 p0414 N91-12314
Semiempirical study of rare gas and rare gas-hydrogen ionic clusters: Rn(+), (RnH)(+) and (RnH2)(+) for R = Ar, Xe
[AD-A226464] 04 p0503 N91-12791
Linear and nonlinear optical properties of small silicon clusters
[AD-A225495] 04 p0518 N91-12882
Change in density of states in a resonant tunneling structure due to a scattering center in the well
[AD-A225861] 04 p0588 N91-13283
Photodissociation near a rough metal surface: Effect of reaction fields
[AD-A227030] 06 p0805 N91-14445
Scale-invariant theory of optical properties of fractal clusters
[AD-A227031] 06 p0874 N91-14832
Theoretical studies of electron transport in quantum-well structures
[AD-A228429] 08 p1237 N91-16819
Surface-induced optical bistability in coupled exciton-phonon systems
[AD-A228833] 09 p1411 N91-17764
Escape time from a biased asymmetric double quantum well
[AD-A229289] 09 p1419 N91-17809
Transient dynamics in excitonic optical bistability in polymers
[AD-A229901] 12 p1872 N91-20286
Spectral and temporal distribution of phase-conjugated fluorescent photons
[AD-A230504] 12 p1976 N91-20873
Theory and numerical simulation of optical properties of fractal clusters
[AD-A230206] 12 p1980 N91-20896
Light-induced drift of quantum-confined electrons in semiconductor heterostructures
[AD-A229959] 12 p1986 N91-20927
Position expectation value and oscillator strength of a biased asymmetric quantum well
[AD-A229803] 12 p1990 N91-20953
Cluster calculation of CuO2 in high-Tc superconductors
[AD-A230758] 12 p1991 N91-20959
Critical behavior in magnetic superlattices
[AD-A231327] 13 p2162 N91-21925
Heisenberg approach to photon emission near a phase conjugator
[AD-A233585] 16 p2685 N91-24871
Interface-Phonon-Mediated magnetopolaronic effect on impurity transition energies in quantum wells
[AD-A232390] 16 p2694 N91-24913
Field work and dispersion relations of excitations on fractals
[AD-A234953] 18 p2980 N91-26455
Trimodal random-field Ising systems in a transverse field
[AD-A235038] 18 p3055 N91-26875
Propagators for quantum oscillator chains
[AD-A234467] 18 p3058 N91-26893
Resonance fluorescence spectrum of an atom near a phase conjugator
[AD-A234535] 18 p3058 N91-26894
Polaron ground state in a double heterostructure of polar crystals
[AD-A235037] 18 p3070 N91-26963
Comment on effect on surface reconstruction on stability and reactivity of Si clusters
[AD-A235517] 19 p3123 N91-27252
Exact solution of a quantum forced time-dependent harmonic oscillator
[AD-A236633] 20 p3394 N91-28812
Phase-conjugated fluorescence
[AD-A231114] 20 p3395 N91-28820
Charge motion effects in ionic clusters
[AD-A238178] 21 p3576 N91-29886
Thermoelectric phenomena in metals under large temperature gradients
[AD-A229548] 22 p3666 N91-30412
Cooperative absorption-induced charge transfer in a solid
[AD-A229553] 22 p3666 N91-30413
Optical (hyper) polarizabilities of small silicon clusters
[AD-A229383] 22 p3754 N91-30926

GEORGES, T. M.
Report on the workshop: Applications of Ocean Acoustic Remote Sensing to Climate Monitoring
[PB91-105981] 09 p1353 N91-17435

GEORGESON, G.
Electrical and photomechanical effects of plastic deformation of mercuric iodide
[DE91-013108] 20 p3429 N91-29022

GEORGESON, GARY E.
X ray computed tomography of composites
[AD-A227227] 07 p0969 N91-15322

GEORGIYEVSKIY, V. S.
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
Functional testing during yearlong antiorthostatic hypokinesia 19 p3208 N91-27732

GEORGOPOULOS, P.
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597

GERAMI, ROBERT
Application of the Air Force guide specification 87221A to ground loads 20 p3283 N91-28152

GERANIOTIS, EVAGGELOS
Effect of worst-case multiple jammers on coded FH/SSMA systems
[AD-A224911] 03 p0356 N91-11991
Performance evaluation of multi-access strategies for an integrated voice/data CDMA packet radio network
[AD-A229155] 09 p1324 N91-17273

GERARD, E.
OH radio observations of comets P/Brorsen-Metcalf (1989o), Okazaki-Levy-Rudenko (1989r), Aarseth-Brewington (1989a1), and Austin (1989c1) at the Nancay radio telescope 12 p2004 N91-21028
Qualification status of hybrid crystal oscillators style OTO 16S for space application 24 p3994 N91-32322

GERARD, F.
Future meterological satellite programmes of EUMETSAT 07 p0948 N91-15199

GERARDI, ANTHONY G.
Smoothness criteria for runway rehabilitation and overlays
[DOT/FAA/RD-90/23] 11 p1651 N91-19102

GERARDI, TONY
Recent developments in the area of aircraft rough field performance 20 p3283 N91-28154

GERARDS, A. M. H.
On cutting planes and matrices
[CWI-BS-R8930] 03 p0411 N91-12299
On Tutte's characterization of graphic matroids: A graphic proof
[CWI-BS-R9028] 17 p2844 N91-25716

GERASIMOV, A.
Diffusive transport enhancement by isolated resonances and distribution tails growth in hadronic beams
[DE91-006379] 13 p2152 N91-21864

GERASIMOV, M. V.
The role of impacting processes in the chemical evolution of the atmosphere of primordial Earth
14 p2346 N91-22975

GERB, ANDREW
Transformation reborn: A new generation expert system for planning HST operations 14 p2313 N91-22773

GERBALDI, M.
Abundances in chemically peculiar and normal A-type stars 09 p1429 N91-17866
The lambda Boo stars 09 p1435 N91-17906

GERBAULT, FLORENCE
Carbon stars with alpha-C:H emission
06 p0910 N91-15022
New circumstellar dust component in oxygen rich environments 06 p0910 N91-15023

GERBER, HERMAN
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987
01 p0092 N91-10534

GERBER, HERMANN
NRL tethered balloon measurements at San Nicolas Island during FIRE IFO 1987 01 p0086 N91-10509

GERBER, MARGARET K.
Polyimides prepared from 3,5-diamino benzo trifluoride
[NASA-CASE-LAR-14206-1] 20 p3327 N91-28425

GERBER, RICHARD A.
Dynamical experiments on models of colliding disk galaxies 08 p1264 N91-16959

GERBERICH, W. W.
Imaging of stacking faults in highly oriented psrolytic graphite using scanning tunneling microscopy
[AD-A229776] 12 p1990 N91-20952

GERBERICH, WILLIAM W.
A study of scale cracking and its effects on oxidation and hot corrosion
[DE91-001327] 04 p0505 N91-12803
Micromechanisms of brittle fracture: Acoustic emissions and electron channeling analyses
[DE91-000987] 04 p0537 N91-12979

GERDES, INGRID
The effects of different sequencing strategies on the capacity of airports
[DLR-MITT-90-18] 23 p3798 N91-31185

GERDES, RONALD M.
Simulation evaluation of a speed-guidance law for Harrier approach transitions
[NASA-TM-102853] 16 p2562 N91-24209

GERHARDT, DAVID L.
Integrated hydrogen/oxygen technology applied to auxiliary propulsion systems
[NASA-CR-185289] 01 p0020 N91-10116

GERHZ, R. D.
Late stages in the evolution of classical novae
09 p1441 N91-17946

GERI, GEORGE A.
Efficient image generation using localized frequency components matched to human vision
[AD-A224903] 03 p0394 N91-12192

GERING, KEVIN L.
Advanced working fluids: Thermodynamic properties
[PB91-136465] 15 p2520 N91-23964

GERLACH, C. RICHARD
On-Orbit Compressor Technology Program
[NASA-CR-185645] 16 p2636 N91-24594

GERLACH, KARL
Results on canceller convergence in nonstationary noise
[AD-A236195] 19 p3239 N91-27911
Convergence performance of adaptive detectors, part 1
[AD-A239507] 23 p3863 N91-31539
Convergence performance of adaptive detectors, part 2
[AD-A239532] 23 p3863 N91-31540

GERLACH, O. H.
Developments in mathematical models of human pilot behavior 03 p0315 N91-11760

GERMAIN, F.
SCI3: A knowledge based system for on-board assistance with the interpretation of infra-red images
17 p2731 N91-25123

GERMAN, VALENCIA
Localization performance with synthesized directional audio
[AD-A230316] 12 p1975 N91-20864

GERMANA, GUY T.
Automatic Dependent Surveillance (ADS) Program summary 24 p3954 N91-32094

GERMANETTI, S.
Algorithms development methodology for performance-optimized multicyclic rotor commands
07 p1042 N91-15716
GERNANDT, L.
Considerations and studies for the construction of acceleration coils for inductive launchers
[ISL-CO-240/89] 13 p2032 N91-21173
GERNSBACHER, MORTON A.
Investigating individual differences in general comprehension skill: The role of suppression and enhancement
[AD-A226788] 06 p0854 N91-14715
GEROGE, M. C.
Phase conjugation by degenerate four wave mixing in disodium fluorescein solution in methanol
19 p3270 N91-28087
GERRISH, V.
Electrical and photomechanical effects of plastic deformation of mercuric iodide
[DE91-013108] 20 p3429 N91-29022
GERRITS, NICLASINA SIBERTA JOHANNA A. G.
Uniaxial and biaxial drawing of UHMW-polyethylene
[ETN-91-99170] 14 p2250 N91-22449
GERRITSMA, MARC I.
Artificial diffusion methods in convection dominated flows
[W-9016] 23 p3868 N91-31577
GERSHZOHN, GARY R.
A manned maneuvering unit proximity operations planning and flight guidance display and control system
12 p1847 N91-20151
GERSTENBRAND, F.
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588
Neurological findings after 72 hours water immersion
11 p1745 N91-19597
GERSTMAN, DAVID H.
Image recovery by simulated annealing
[AD-A230655] 13 p2153 N91-21869
GERTH, CHRISTOPHER
Radical formation in the coma from photodissociation of ice grains 12 p2006 N91-21040
Formation of ions and radicals from icy grains in comets 17 p2895 N91-25999
GERVASI, M.
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation
13 p2179 N91-22040
The TIR project: A balloon telescope for the measurement of CBR anisotropies
13 p2180 N91-22041
A high throughput, multiband photometer for the TIR project 13 p2180 N91-22042
GERVASIO, D.
Investigation of phenomena related to D2O electrolysis at a palladium cathode
[AD-A236409] 19 p3126 N91-27272
GERVER, M. J.
Theory of plasma contactors in ground-based experiments and low Earth orbit
09 p1403 N91-17721
GERY, M.
Proceedings of 2nd US/FRG Workshop on Photochemical Ozone Problem and its Control
[PB91-211847] 24 p4042 N91-32583
GERZABEK, MARTIN H.
Cs-137 soil to plant transfer studies and their implications on parameters used in the Austrian version of ECOSYS
[OEFZS-4563] 17 p2816 N91-25566
GESHKENBEIN, V. B.
Low temperature flux creep in high-T(sub c) superconductors
[DE91-015193] 21 p3593 N91-29988
GESSERT, T. A.
InP/Ga0.47In0.53As monolithic, two-junction, three-terminal tandem solar cells
11 p1668 N91-19191
Recent advances in the ITO/InP solar cell
11 p1670 N91-19202
Fabrication and performance analysis of 4-sq cm indium tin oxide/InP photovoltaic solar cells
22 p3631 N91-30205
Monolithic InP/Ga0.47In0.53As tandem solar cells for space 22 p3633 N91-30219
GESSLER, A.
Ultrasonic examination of fiber composite materials by means of virtual C-scan test and model recognition
[MBB-Z-0299-89-PUB] 02 p0191 N91-11066
Automatized ultrasonic examination of copper forging blanks for the Ariane driving gear
[MBB-Z-0327-90-PUB] 22 p3690 N91-30548
GESTELAND, R. F.
Advanced sequencing technology
[DE91-009031] 11 p1764 N91-19706
Imaging of fluorescent and chemiluminescent DNA hybrids using a 2-D CCD camera
[AD-A234641] 18 p3020 N91-26676
GETALOV, A. L.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
GETTEMY, D. J.
Polymeric-host sulforhodamine-B lasers: Doubled Nd:YAG pumped
[DE91-009955] 14 p2270 N91-22560
GEVARTER, WILLIAM B.
Simulating motivated cognition
[NASA-TM-102886] 11 p1781 N91-19770
GEVIKSMAN, KH. V.
Stochastization of charged particle motion near magnetotail current layer
[DE91-615704] 12 p1922 N91-20573
GEVINS, ALAN S.
Empirical network model of human higher cognitive brain functions
[AD-A227193] 06 p0855 N91-14718
GEWALI, LAXMI P.
Planning monotone paths to visit a set of obstacles
[AD-A226923] 06 p0861 N91-14754
GEYER, GEORGE B.
Tests of the general fire suppression concentrate Pyrocap B-136
[DOT/FAA/CT-TN90/21] 01 p0005 N91-10029
GHAFFARI, FARHAD
Navier-Stokes solutions about the F/A-18 forebody-LEX configuration 02 p0147 N91-10860
GHAFFARI, SHAHRIAR
The design of a two-dimensional optical image correlator and its application in image tracking
08 p1224 N91-16744
GHAFOOR, ARIF
Northeast Artificial Intelligence Consortium (NAIC). Volume 12: Computer architecture for very large knowledge bases
[AD-A234891] 18 p3047 N91-26826
GHANDEHARI, MOSTAFA
Covering a closed curve with a given total curvature
[AD-A234342] 18 p3050 N91-26840
Elliptic integrals in the Minkowski plane
[AD-A236710] 19 p3236 N91-27895
Sum of distances in normed spaces
[AD-A238066] 21 p3566 N91-29825
GHANDI, S. K.
The effect of process conditions on the performance of epitaxial InP solar cells 11 p1670 N91-19204
GHANIMATI, G. R.
Development of an advanced continuum theory for composite laminates, phase 1
[AD-A224985] 04 p0497 N91-12758
GHARABEGIAN, A.
Environment fact finding mission report
[PB91-130369] 13 p2112 N91-21628
GHARIB, C.
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station)
11 p1761 N91-19689
GHAZAVI, ASSADOLLAH
Nonlinear dynamics and control of a spatial high speed composite-material flexible robot arm
09 p1346 N91-17394
GHERA, URI
Laser induced electron source in a vacuum diode
[ITN-90-85056] 07 p1006 N91-15523
GHIA, KIRTI N.
Direct solution techniques for viscous flow and their control
[AD-A236201] 19 p3163 N91-27493
GHIA, URMILA
Direct solution techniques for viscous flow and their control
[AD-A236201] 19 p3163 N91-27493
GHIORSE, SETH R.
Pilot prepreg line: A comprehensive analysis of prepreg quality
[AD-A231912] 14 p2240 N91-22393
A comparison of void measurement methods for carbon/epoxy composites
[AD-A236438] 19 p3120 N91-27237
GHIRARDI, ALBERTA
MML language analysis
[REPT-91-003] 22 p3731 N91-30769
GHIRINGHELLI, G. L.
Design landing loads evaluation by dynamic simulation of flexible aircraft 20 p3285 N91-28163
GHIRLANDA, MASSIMILIANO
Sintering behavior of doped ZnO powders for high field varistors
[DE91-005233] 10 p1604 N91-18849
GHODGAONKAR, M. D.
Issues in developing parallel iterative algorithms for solving partial differential equations on a (transputer-based) distributed parallel computing system
[DE91-622927] 17 p2837 N91-25681
GHONIEM, AHMED F.
Vortex simulation of turbulent combustion
[AD-A229079] 09 p1310 N91-17189
GHORASHI, B.
An imaging system for PLIF/Mie measurements for a combusting flow
[NASA-TM-103714] 12 p1835 N91-20084
GHOSH, A.
Chevron-notched, flexure tests for measuring the elevated temperature fracture resistance of structural ceramics
[DE91-009117] 15 p2404 N91-23310
Electrode erosion in low power arcjet thrusters
19 p3273 N91-28107
GHOSH, A. K.
Irreversibility temperatures in oxide- and metallic superconductors
[DE91-004021] 06 p0880 N91-14861
Magnetization and critical currents of tin-core multifilamentary Nb3Sn conductors
[DE91-012241] 20 p3424 N91-28994
GHOSH, ASISH
Elevated-temperature fracture resistances (K(sub IC), R-curves, gamma sub (omega OF)) of monolithic and composite ceramics using chevron-notched, bend tests
[NASA-TM-105090] 20 p3326 N91-28418
GHOSH, DAVE
Simulator evaluation of system identification with on-line control law update for the controls and astrophysics experiment in space 14 p2231 N91-22341
GHOSH, MIHIR K.
The effect of coatings and liners on heat transfer in a dry shaft-bush tribosystem
[NASA-TM-102513] 04 p0523 N91-12913
GHOSH, S. K.
Far-infrared observations of Circinus and NGC 4945 galaxies 05 p0740 N91-14131
GHOSH, SUBIR
Antenna study for 60 GHz intersatellite link
[CD-RPT-ITL-5043-003] 23 p3853 N91-31482
GHOSH, SWARNA KANTI
Dust in a few southern H II regions
06 p0895 N91-14943
Distribution of dust in W31 complex
06 p0895 N91-14944
GHOSN, LOUIS J.
Modeling of crack bridging in a unidirectional metal matrix composite
[NASA-TM-104355] 16 p2648 N91-24660
GIACALONE, R.
Performances of an emulator farm for the data processing of high energy physics experiments
[ETN-91-98880] 12 p1979 N91-20889
GIACCONI, RICCARDO
High energy from space 24 p4119 N91-33023
GIAKOUMAKIS, GEORGIOS H.
A study of PC-Based HF ionospheric propagation predictions for use in naval communications
[AD-A232466] 15 p2415 N91-23375
GIANGANO, D.
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
GIANTI, S. J.
A review of accelerated response actions available to the environmental restoration program: Selected case histories and associated issues
[DE91-013608] 23 p3891 N91-31716
GIANTS, THOMAS W.
Sensitivity of imaging materials to electron beam irradiation
[AD-A239365] 23 p3874 N91-31612
GIARD, MARTIN
The 3.3 micron emission feature: Map of the galactic disk, 10 deg less than l less than 35 deg, - 6 deg less than b less than 6 deg 06 p0892 N91-14928
Angular motion of a PAH molecule in interstellar environment 06 p0894 N91-14938
GIAT, YOHANAN
Prediction of muscular synergism and antagonism of human upper extremity: A dynamic optimization approach 17 p2821 N91-25590
GIAUQUE, R. D.
A tunable x ray microprobe using synchrotron radiation
[DE90-011219] 08 p1148 N91-18322
GIBALA, R.
Prospects for ductility and toughness enhancement of NiAl by ductile phase reinforcement
[NASA-TM-103796] 19 p3135 N91-27324

GIBAUD, A.
The characterization of interface roughness and other defects in multilayers by x ray scattering
[DE91-007558] 11 p1808 N91-19929
Specular and diffuse scattering studies of multilayer interfaces
[DE91-016893] 24 p4111 N91-32978
GIBB, MURRAY
Pulse Doppler radar simulation study
[ASSGI-14SV-W7714-7-5353] 23 p3854 N91-31486
GIBBEL, MARK
Thermal/vacuum vs. thermal atmospheric testing of space flight electronic assemblies 11 p1661 N91-19154
GIBBENS, BARRY V.
Design and fabrication of instrumented composite airfoils for a cryogenic wind tunnel model
[NASA-TM-102740] 04 p0536 N91-12971
GIBBINS, MARTIN N.
Systems integration and demonstration of advanced reusable structure for ALS
[NASA-CR-187509] 19 p3110 N91-27179
GIBBONS, GOULD, JR.
Removal of NO and NO2 from contaminated atmospheres
[AD-A227260] 08 p1194 N91-16565
GIBBONS, RANDALL E.
Purification system
[NASA-CASE-MSC-21584-1] 16 p2592 N91-24362
GIBBONS, ROBERT D.
Approximating multivariate normal orthant probabilities
[AD-A229129] 09 p1393 N91-17665
Full-information item bi-factor analysis
[AD-A229346] 23 p3900 N91-31771
GIBBS, D.
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307
GIBBS, H.
Part 1: Ultrafast logic and multiple-beam optical parallel processing using nonlinear etalons. Part 2: Novel devices for all-optical computing. Part 3: Novel nonlinear semiconductor structures for signal processing and optical computing
[AD-A233410] 18 p3043 N91-26799
GIBBS, HYATT M.
The First Nonlinear Optics: Materials, Phenomena, and Devices Conference
[AD-A234733] 18 p3064 N91-26926
GIBBS, ROBERT J.
Comparative study of design methods for two-way reinforced concrete slab systems
[AD-A234081] 19 p3145 N91-27381
GIBELING, JEFFERY C.
Strengthening mechanisms, creep, and fatigue processes in dispersion hardened niobium alloy
[AD-A237784] 21 p3482 N91-29313
GIBET, L.
An expert system for geostationary orbit satellite breakdown analysis 14 p2218 N91-22257
GIBSON, B. F.
Light hypernuclei and hyperon-nucleon interaction
[DE91-004863] 09 p1395 N91-17674
GIBSON, C. ROBERT
Portable dynamic fundus instrument
[NASA-CASE-MSC-21675-1] 05 p0694 N91-13865
GIBSON, DOROTHY H.
Metallocarboxylate chemistry
[DE91-006313] 10 p1496 N91-18235
GIBSON, G.
Evaluation of electromagnetic and electrothermal launchers for the BRL advanced test facility
[AD-A229661] 12 p1851 N91-20176
GIBSON, G. G.
ERBE and AVHRR Cirrus cloud fire study 01 p0079 N91-10472
GIBSON, GARY G.
Satellite orbit considerations for a global change technology architecture trade study
[NASA-TM-104081] 17 p2815 N91-25557
Science requirements for a global change technology architecture trade study
[NASA-TM-104082] 17 p2815 N91-25558
GIBSON, H. G.
An evaluation of bearings operating in a cryogenic environment with silicon nitride rolling elements
[NASA-TM-103524] 10 p1531 N91-18436
GIBSON, J.
Nonlinear modeling of chaotic time series: Theory and applications
[DE91-013076] 20 p3435 N91-29055
GIBSON, J. C.
The development of alternate criteria for FBW handling qualities 15 p2370 N91-23113
GIBSON, J. H.
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
GIBSON, JOHN
Application of nonlinear time series models to driven systems
[DE91-005949] 10 p1586 N91-18743
GIBSON, JOHN A., IV
An interactive life cycle cost forecasting tool
[AD-A238352] 22 p3770 N91-31019
GIBSON, KATHRYN A.
A bibliography of the NIST electromagnetic fields division publications
[PB91-132241] 14 p2258 N91-22488
GIBSON, KEITH J.
Reliability/Maintainability/Logistics support analysis Computer Aided Tailoring Software Program (R/M/L CATSOP)
[AD-A226820] 08 p1199 N91-16588
GIBSON, M. ALAN
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986
[NASA-CR-187589] 19 p3203 N91-27702
GIBSON, TIM
Design of a scientific probe for obtaining Mars surface material
[NASA-CR-186672] 02 p0293 N91-11641
GIBSON, V. C.
Polymerization of functionalized norbornenes employing Mo(CH-t-Bu)(NAr)(O-t-Bu)2 as the initiator
[AD-A230034] 12 p1872 N91-20289
GIBSON, WILLIAM
Effects of bright illumination on oral temperature and cognitive performance in humans during nighttime hours
[AD-A232787] 15 p2478 N91-23722
GIEDD, RYAN E.
Development of miniature temperature sensors
[AD-A232964] 16 p2630 N91-24560
GIEL, T. V., JR.
A PC based frequency domain LV processor
[DE91-009056] 20 p3348 N91-28541
GIEN, PETER HILTON
Structural dynamics of plates and shells subjected to electro-impulse de-icing forces 03 p0380 N91-12120
GIERING, OSWALD
Investigation of the trilateration problem (4,4,1, 1)
[SER-A-106] 09 p1391 N91-17653
GIEROW, PAUL A.
Evaluation of telerobotic systems using an instrumented task board 12 p1937 N91-20658
GIES, D. R.
Short-term FUV flux variability and phase-dependent winds in Be stars 09 p1434 N91-17898
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep 09 p1439 N91-17934
GIES, DOUGLAS R.
Colliding stellar winds in O-type close binary systems
[NASA-CR-188610] 17 p2891 N91-25981
Tomographic separation of composite spectra. The components of Plaskett's Star
[NASA-CR-184665] 19 p3263 N91-28050
GIESE, R. F.
High-temperature superconductors: Their potential for utility applications
[DE90-009704] 01 p0128 N91-10757
Magnetic heat pumps
[DE90-010305] 08 p1157 N91-16375
GIESEKE, B. G.
Mechanical properties of Fe3Al-based alloys
[DE91-015322] 21 p3483 N91-29324
GIESEKE, T. J.
Stochastic estimation of coherent structures and their dynamics in transitional and turbulent boundary layers
[AD-A236231] 19 p3164 N91-27494
GIESEKING, STEPHEN R.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 2, Task 2: Seeker emulator development
[AD-A225124] 05 p0618 N91-13429
GIESY, P. J.
Hot gas test results of a miniature free-piston pressurization pump driven by hydrazine decomposition products
[DE91-017072] 24 p4027 N91-32504
GIETZEL, M. M.
TPS design for aerobraking at Earth and Mars
[NASA-TM-104739] 22 p3762 N91-30970
GIFFORD, FRANKLIN A.
The structure of atmospheric diffusion at regional scales
[AD-A233153] 16 p2657 N91-24703
GIGNAC, W. J.
Diode laser scaling using unconventional adaptive optics
[AD-A233060] 16 p2689 N91-24884
GIGOLASHVILI, M. SH.
On some peculiarities of solar differential rotation 06 p0917 N91-15054
GILAT-CYGEILMAN, RIVKA
Buckling of laminated composite plates
[ITN-91-85101] 18 p2942 N91-26232
GILAT, AMOS
High strain rate characterization of ceramics in shear
[AD-A238319] 21 p3490 N91-29365
GILBANE, FRANK
DoD's technical information publishing: A strategy for evolution
[AD-A235749] 19 p3261 N91-28034
GILBANK, PASCALE
Combustion to modelisation turbulent combustion in the case of stabilization by flame-lock
[ONERA-NT-1989-8] 02 p0195 N91-11090
GILBERT, C.
Measurement techniques for cryogenic Ka-band microstrip antennas
[NASA-TM-105183] 22 p3668 N91-30426
GILBERT, E. G.
Hypersonic aerodynamics and control
[AD-A225058] 03 p0301 N91-11678
GILBERT, ETHEL S.
Statistical methods for analyzing and combining data on low-level exposures to ionizing radiation
[DE90-017193] 01 p0102 N91-10593
GILBERT, J. R.
Optimal expression evaluation for data parallel architectures
[NASA-CR-188681] 19 p3231 N91-27863
GILBERT, JOHN A.
Development of an optical fiber interferometer for detection of surface flaws in aluminum
[NASA-CR-186180] 12 p1869 N91-20269
GILBERT, JOHN H.
Analysis of the individual risk of altitude decompression sickness under repeated exposures 12 p1949 N91-20722
GILBERT, JOHN R.
Approximating treewidth, pathwidth, and minimum elimination tree height
[RUU-CS-91-01] 23 p3911 N91-31836
Highly parallel sparse Cholesky factorization
[NASA-CR-188875] 24 p4089 N91-32847
GILBERT, KENNETH E.
Distorted-wave born approximation calculations for turbulence scattering in an upward-refracting atmosphere 08 p1217 N91-16700
Scattering of sound by atmospheric turbulence predictions in a refractive shadow zone 08 p1218 N91-16703
GILBERT, MICHAEL G.
Direct use of linear time-domain aerodynamics in aeroservoelastic analysis: Aerodynamic model 01 p0053 N91-10316
Static and dynamic aeroelastic characterization of an aerodynamically heated generic hypersonic aircraft configuration 01 p0054 N91-10320
Active damping application to the shuttle RMS
[NASA-TM-102763] 11 p1720 N91-19471
GILBERT, NORBERT
Numerical simulation of transition from laminar to turbulent duct flow
[ESA-TT-1144] 02 p0214 N91-11199
GILBERT, ROBERT P.
An approximation scheme for the three-dimensional scattered wave and its propagating far-field pattern in a finite depth ocean
[PB90-151002] 10 p1558 N91-18567
GILBERTAS, PHILIPPE
SATEXPERT: An expert systems network for automatic spacecraft control 14 p2217 N91-22252
GILBREATH, G. A.
Modeling the environment of a mobile security robot
[AD-A233074] 16 p2676 N91-24809
GILBREATH, G. C.
Efficient dynamic phasefront modulation system for free-space optical communications
[AD-D014839] 16 p2690 N91-24892
GILBREATH, GAIL C.
Method for making holograms with coherent radiation from a stabilized laser diode that has been actively cooled
[AD-D014673] 11 p1706 N91-19396
GILCHRIST, B. E.
Effects of neutral gas release on current collection during the CHARGE-2 rocket experiment 09 p1405 N91-17730
Ionospheric modification using relativistic electron beams 10 p1551 N91-18532

GILCHRIST, N. H. C.
Digital sound: Subjective tests on low bit-rate codecs
[BBC-RD-1990/16] 10 p1515 N91-18339
GILDING, B. H.
Qualitative, mathematical analysis of the Richards' equation
[MATHS-MEMO-894] 10 p1525 N91-18396
GILES, GARY L.
Sensitivity-based scaling for correlating structural response from different analytical models
[NASA-TM-104042] 14 p2274 N91-22578
GILES, JAMES E., III
DoD's technical information publishing: A strategy for evolution
[AD-A235749] 19 p3261 N91-28034
GILES, M.
Air Force Research in Aero Propulsion Technology (AFRAPT)
[AD-A229612] 22 p3620 N91-30140
GILES, MICHAEL B.
Generation and use of unstructured grids for turbomachinery calculations 13 p2012 N91-21064
GILFORD, MICHAEL T.
SWANEA (Southwest Asia-Northeast Africa): A climatological study. Volume 2: The Middle East Peninsula
[AD-A232776] 15 p2470 N91-23684
GILG, W.
Concept for a multipolarization X-band SAR on EOS
07 p0993 N91-15450
GILGENBACH, RONALD M.
Intense microsecond electron beam interactions with low pressure gases
[AD-A233004] 16 p2692 N91-24902
GILHAM, S.
Numerical solutions of rotating disc flows using a non-linear multigrid algorithm
[PNR-90679] 01 p0044 N91-10259
GILHEANY, S.
IUE, optical and radio observations of high velocity gas components in the nearby interstellar medium
09 p1443 N91-17955
GILHODES, J. C.
Body proprioceptive references in weightlessness as studied by muscle tendon vibration
11 p1742 N91-19581
GILILLAND, BILLY J.
Productivity measurement in aircraft maintenance organizations
[AD-A229239] 09 p1271 N91-16989
GILL, J. T.
Aerogel composites for radioluminescent light/power sources
[DE91-012012] 20 p3323 N91-28395
GILL, JANET A.
Safety analysis of heterogeneous-multiprocessor control system software
[AD-A231859] 14 p2306 N91-22744
GILL, JOHN T.
Solid state radioluminescent sources using zeolites
[DE90-017594] 04 p0590 N91-13296
Solid state radioluminescent sources using zeolites
[DE91-002703] 06 p0880 N91-14857
GILL, M.
TP-H1148 knitline integrity evaluation
[NASA-CR-184106] 10 p1506 N91-18288
GILL, P. D.
Interference protection requirements for terrestrial microwave links in the UK private-user frequency bands
[BBC-RD-1991/1] 17 p2766 N91-25312
GILL, PAUL S.
FARMS: The Flexible Agricultural Robotics Manipulator 14 p2361 N91-23064
GILL, PHILIP E.
Primal-dual methods for linear programming
[AD-A237418] 21 p3555 N91-29756
GILL, ROBERT J.
Computer modeling of soot formation comparing free radical and ionic mechanisms
[AD-A235007] 18 p2949 N91-26273
GILL, S. P.
Regenerative fuel cell architectures for lunar surface power 24 p4037 N91-32560
GILL, TEPPER L.
Engineering management of large scale systems
19 p3276 N91-28122
Suggested criteria for evaluating systems engineering methodologies 19 p3277 N91-28127
GILLAN, DOUGLAS
Microgravity cursor control device evaluation for Space Station Freedom workstations 12 p1948 N91-20717
GILLAND, J. H.
Solar electric propulsion for Mars transport vehicles
[NASA-TM-103234] 11 p1665 N91-19178
Multimegawatt electric propulsion system design considerations
[NASA-TM-105152] 24 p3967 N91-32164
GILLANDERS, M.
Production status of GaAs/Ge solar cells and panels
22 p3632 N91-30212
GILLANI, N. V.
An observational study of the efficiency of activation of accumulation-mode particles in warm continental stratiform clouds
[DE91-013335] 21 p3542 N91-29681
GILLE, J. C.
Revised reference model for nitric acid
19 p3190 N91-27638
GILLES, J.
The deep drop shaft North-Rhine Westphalia (Germany, F.R.): A possible new microgravity research facility
07 p0959 N91-15277
GILLESPIE, ALLAN R.
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594
GILLESPIE, D.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157
GILLESPIE, JOHN W., JR.
Cure simulation of thick thermosetting composites
[AD-A224885] 03 p0335 N91-11878
GILLESPIE, LAROUX K.
Deburring and surface finishing: The past ten years and projections for the next ten years
[DE91-000579] 08 p1124 N91-16176
GILLESSEN, F.
Containerless undercooling of a Pd-Cu-Si alloy (TEXUS 14b) ESA 23 p3851 N91-31468
GILLETT, FREDERICK
Infrared astronomy 24 p4119 N91-33019
GILLETT, STEPHEN L.
Possible lunar ores 17 p2901 N91-26026
Extraterrestrial resources: Implications from terrestrial experience 17 p2902 N91-26031
The potential for crustal resources on Mars
17 p2910 N91-26068
Some thoughts on Mercurian resources
17 p2915 N91-26090
GILLETTE, R. B.
High efficiency CuInSe2 and CuInGaSe2 cells and materials research
[DE90-000362] 02 p0229 N91-11280
GILLHAM, JOHN K.
Physical properties of thermosetting polymers
[AD-A225864] 05 p0633 N91-13508
GILLHAM, N. W.
Stable isotope fractionation in photosynthesis: Analysis of autotrophic competence following transformation of the chloroplast genome of Chlamydomonas
[DE91-015792] 21 p3548 N91-29713
GILLIAM, RUTH L.
Excimer laser interaction with dentin of the human tooth 19 p3267 N91-28067
GILLIE, K. R.
Performance and life evaluation of advanced battery technologies for electric vehicle applications
[DE91-015671] 21 p3509 N91-29482
GILLIGAN, J. G.
Theoretical analysis of a runaway electron suppression device
[DE90-015992] 01 p0125 N91-10737
Modeling of runaway electron damage for the design of tokamak plasma facing components
[DE90-008237] 09 p1399 N91-17704
GILLILAND, RONALD L.
Solar astronomy 24 p4120 N91-33026
GILLIOM, LAURA R.
Organic getter materials for the removal of hydrogen and its isotopes
[DE90-016284] 01 p0031 N91-10185
GILLIS, J. R.
Atomic oxygen and ultraviolet radiation mission total exposures for LDEF experiments
16 p2713 N91-25016
GILLMAN, WALLACE M.
Tools for the trade 03 p0302 N91-11683
GILLOTAY, D.
Ultraviolet absorption cross-sections of photoactive species of stratospheric interest. Part 1: The halocarbons
[ETN-91-98385] 05 p0688 N91-13830
Temperature dependence of ultraviolet absorption cross-sections of alternative chlorofluoroethanes
[AERONOMICA-ACTA-A-358-1991]
15 p2463 N91-23647
GILMAN, ADA W.
AN alternative to suppression: Modeling methodology for assessing indirect effects of weapons and human performance degradation
[AD-A226518] 05 p0696 N91-13877
GILMAN, P. S.
Effect of thermal exposure, forming, and welding on high-temperature, dispersion-strengthened aluminum alloy: Al-8Fe-1V-2Si
[NASA-CR-187575] 24 p3974 N91-32200
GILMAN, SOL
A calorimetric investigation of deuterated palladium electrodes
[AD-A237571] 21 p3505 N91-29458
GILMAN, T. L.
Client/server distributed processing using SUNOS remote procedure protocol
[DE91-005120] 07 p1050 N91-15762
Client/server models for transparent, distributed computational resources
[DE91-007240] 10 p1567 N91-18614
GILMORE, FORREST R.
Improved fits for the vibrational and rotational constants of many states of nitrogen and oxygen
[AD-A229996] 13 p2047 N91-21263
GILMOUR, I.
Optical constants of kerogen from 0.15 to 40 microns: Comparison with meteoritic organics
[NASA-CR-187825] 07 p1083 N91-15957
GILMOUR, J. D.
3-D imagery cockpit display development
[AD-A226411] 04 p0481 N91-12680
GILMOUR, PHILLIP
Development of high Tc (greater than 110K) Bi, Tl and Y-based materials as superconducting circuit elements
[NASA-CR-188581] 18 p3068 N91-26948
GILMOZZI, ROBERTO
The ultraviolet saga of SN 1987A
09 p1431 N91-17876
Narrow circumstellar emission lines in SN 1987A
09 p1443 N91-17953
GILSDORF, MICHAEL V.
Network reduction using error prediction
[AD-A230755] 12 p1958 N91-20772
GILSON, P.
ISO optical cryogenic tests in the IAL space FOCAL-5 facility 07 p0952 N91-15235
GILSON, RICHARD D.
Taxonomic transformations of visual media selections into display specification
[AD-A235596] 19 p3213 N91-27758
GILSTRAP, LEWEY
Validation and verification of expert systems
14 p2315 N91-22787
GILYARD, G. B.
Preliminary flight evaluation of an engine performance optimization algorithm
[NASA-TM-4328] 24 p3962 N91-32140
GILYARD, GLENN B.
Integrated flight-propulsion control concepts for supersonic transport airplanes
[NASA-TM-101728] 05 p0624 N91-13460
A proposed Kalman filter algorithm for estimation of unmeasured output variables for an F100 turbofan engine
[NASA-TM-4234] 11 p1650 N91-19099
A preliminary evaluation of an F100 engine parameter estimation process using flight data
[NASA-TM-4216] 13 p2078 N91-21446
A simulation evaluation of a four-engine jet transport using engine thrust modulation for flightpath control
[NASA-TM-4324] 21 p3461 N91-29194
A preliminary investigation of the use of throttles for emergency flight control
[NASA-TM-4320] 22 p3618 N91-30130
GIM, CHUNG KEUN
Finite element modeling of 2-D delamination growth in laminated composites 20 p3307 N91-28302
GIMENEZ, A.
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems
09 p1439 N91-17930
GIMONET, BERNARD J.
Algorithms development methodology for performance-optimized multicyclic rotor commands
07 p1042 N91-15716
GINATEMPO, B.
Order and disorder in metallic alloys
[DE91-009120] 15 p2400 N91-23292
GINDER, J. M.
Photoexcitation spectroscopy of pernigraniline
[AD-A233841] 18 p2945 N91-26250
Spectroscopy and photoexcitation spectroscopies of polyaniline: A model system for new phenomena
[AD-A234215] 18 p2961 N91-26340
Ring-torsional polarons in polyaniline and polyparaphenylene sulfide
[AD-A234384] 18 p2961 N91-26345
Photoinduced absorption and erasable optical information storage in polyanilines
[AD-A234108] 18 p3076 N91-27002

GINDER, R. B.
Design of advanced blading for a high-speed HP compressor using an S1-S2 flow calculation system
[RAE-TM-P-1196] 22 p3621 N91-30144
Design and performance of advanced blading for a high-speed HP compressor
[RAE-TM-P-1201] 22 p3621 N91-30146
GINDI, GENE R.
A neural network approach to model-based recognition
[AD-A231835] 14 p2317 N91-22798
GINDILIS, L. M.
RT-70 millimeter radiotelescope
19 p3111 N91-27185
GINERIS, DENISE
P-3 SAR calibration activity at Andros Island
[AD-A237357] 21 p3498 N91-29412
GINERIS, DENISE J.
Synthetic aperture radar imagery of airports and surrounding areas: Study of clutter at grazing angles and their polarimetric properties
[NASA-CR-4398] 24 p3952 N91-32088
GINEVAN, M. E.
Airliner cabin environment: Contaminant measurements, health risks, and mitigation options
[PB91-159384] 18 p3034 N91-26746
GINI, GIUSEPPINA
CONSTRICTOR: A language for constraint satisfaction
[REPT-91-010] 22 p3731 N91-30774
GINLEY, D. S.
A Josephson junction to FET high speed line driver made of TlCaBaCuO
[DE90-017542] 04 p0590 N91-13295
Irradiation-induced pinning in single-crystal and thin-film Tl2Ca2Ba2Cu3O10 superconductors
[DE91-001342] 06 p0882 N91-14877
Novel applications of Tl-Ca-Ba-Cu-O thin films to active and passive high frequency devices
[DE91-004507] 08 p1134 N91-16240
S-parameter measurements and applications of superconducting flux flow transistors
[DE91-009763] 15 p2417 N91-23388
The superconducting flux flow transistor: Models and applications
[DE91-014702] 20 p3340 N91-28501
Annealing and structure studies on Tl-2223 and Tl-1223 crystals
[DE91-014903] 20 p3434 N91-29052
Irradiation effects in high temperature superconductors
[DE91-016118] 24 p4109 N91-32962
GINOVART, C.
Supersonic-hypersonic inlet studies for aerospaceplane
15 p2378 N91-23160
GINSBERG, JERRY H.
Improved algorithms for transient and steady-state fluid-structure interaction
[AD-A235172] 18 p2984 N91-26476
GINSBERG, MARK D.
Nondestructive evaluation and inspection programs for Pershing 2 motors
[AD-A225009] 04 p0495 N91-12750
GINSBURG, ARTHUR P.
Quantifying improved visual performance through vision training
[AD-A232799] 15 p2477 N91-23716
GINZBURG, S. L.
Higher harmonics of magnetization in the critical state of ceramic high Tc superconductors
[DE91-615506] 11 p1810 N91-19944
GIOIA, ISABELLA
Optical emission from cooling flows in distant x ray clusters of galaxies
05 p0748 N91-14169
GIORDANO, V.
Physical origin of the frequency shifts in cesium beam frequency standards: Related environmental sensitivity
17 p2856 N91-25794
GIORGI, A. L.
Magnetic structures of actinide materials by pulsed neutron diffraction
[DE91-000373] 08 p1109 N91-16093
GIORI, K. L.
Airborne observations of electric fields around growing and decaying cumulus clouds
24 p4049 N91-32616
GIOVANNELLI, F.
Multifrequency behaviour of the T Tauri star RU Lupi
09 p1433 N91-17892
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989
09 p1439 N91-17929
GIOVANNINI, H.
Fiber optic magnetic field sensor using spectral modulation encoding
[ETN-91-98619] 10 p1527 N91-18407
GIOVANNINI, R.
In orbit performance of the TV-SAT/TDF-1 heat pipe system
[MBB-UO-0098-90-PUB] 03 p0364 N91-12039
GIOVANOLA, JACQUES H.
Modeling of microstructural effects on fracture processes at high loading rates
[AD-A235431] 19 p3133 N91-27313
GIRARD, A.
A survey of finite element model updating methods
07 p0956 N91-15259
Instrumentation under development for the ONERA F4 wind tunnel
[AAAF-NT-89-11] 23 p3798 N91-31187
GIRAUD, M.
Practical methods to evaluate the friction drag coefficient of a projectile in free flight
[ISL-R-123/89] 13 p2018 N91-21105
GIRDNER, K.
Development and mechanical properties of structural materials from lunar simulants
17 p2905 N91-26045
GIRIGOSWAMI, H.
Prediction of flow within supercritical compressor cascade using a time marching method
[NAL-PD-PR-9013] 10 p1525 N91-18398
GIROLAMO, HENRY
Notional helmet concepts: A survey of near-term and future technologies
[AD-A234475] 18 p3035 N91-26752
GIROSI, FEDERICO
Continuous stochastic cellular automata that have a stationary distribution and no detailed balance
[AD-A234421] 18 p3040 N91-26782
Extensions of a theory of networks and learning: Outliers and negative examples
[AD-A234425] 18 p3045 N91-26810
GIROUX, ANDRE
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
GISLER, G. R.
Solar particle events during the rising phase of solar cycle 22
[DE91-016042] 24 p4124 N91-33049
GITOMER, S. J.
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
GIUDICI, ROBERT J.
Lightning protection for shuttle propulsion elements
24 p4051 N91-32630
GIUNTA, C.
Optimization of transparent and reflecting electrodes for amorphous silicon solar cells
[DE91-002132] 15 p2458 N91-23618
GIVEN, MOTT
Advanced methods of online searching for artificial intelligence information
[AD-A236653] 19 p3261 N91-28038
Artificial intelligence information sources for the beginner and expert
[AD-A236587] 22 p3740 N91-30838
GIVENS, JOHN HOWARD
Structure and properties of titanium nitride-strengthened microlaminate metal matrix composites
22 p3642 N91-30270
GIVEON, A.
Symmetries on the space of (2,2) superstring vacua and automorphism groups of Calabi-Yau manifolds
[DE91-008218] 11 p1812 N91-19951
GIVI, PEYMAN
High speed turbulent reacting flows: DNS and LES
04 p0593 N91-13313
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-187674] 05 p0658 N91-13656
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-188599] 17 p2776 N91-25364
GLAD, W. E.
Superconducting wire fabrication
[AD-A228012] 07 p1075 N91-15915
GLADDEN, E.
National Bureau of Standards Publications 1977-1987. Volume 1: Citations, key words, and abstracts
[PB91-136507] 17 p2884 N91-25943
National Bureau of Standards Publications 1977-1987. Volume 2: Indexes
[PB91-136515] 18 p3076 N91-26997
GLADDEN, HERBERT J.
A unique high heat flux facility for testing hypersonic engine components
[NASA-TM-103238] 03 p0316 N91-11770
GLADKIKH, F. D.
Effect of job load on functional state of naval flight personnel
19 p3210 N91-27741
GLADYSHEV, V. A.
Measurements of the longitudinal movements of O(+) ions in the subauroral upper atmosphere from the Aureol 3 satellite
18 p2931 N91-26171
GLAESER, ANDREAS M.
Joining alumina to sapphire for copper vapor laser tubes
[AD-A226619] 06 p0815 N91-14501
GLAISTER, DAVID H.
Cerebral oxygen status and G-induced loss of consciousness
08 p1192 N91-16554
GLAISTER, M. K.
F/A-18 1/9th scale model tail buffet measurements
[ARL-FLIGHT-MECH-R-188] 22 p3622 N91-30149
GLANDER, G. S.
HREELS studies of Al adsorption on Si(111)
[AD-A235960] 19 p3253 N91-27994
GLANOWSKI, S.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
GLASAUER, STEFAN
Determinants of spatial orientation in weightlessness
11 p1747 N91-19605
GLASER, JOHN
Analysis by the statistical discrete gust method
18 p2928 N91-26156
GLASER, U.
Joining of BMI composite
03 p0329 N91-11831
GLASL, R.
Establishing a software product assurance databank for software reliability design, development, and assessment
14 p2220 N91-22271
GLASS, A. J.
Space propulsion by fusion in a magnetic dipole
[DE91-012033] 20 p3302 N91-28275
GLASS, C. E.
Continuous monitoring of the lunar or Martian subsurface using on-board pattern recognition and neural processing of Rover geophysical data
17 p2754 N91-25243
GLASS, CHARLES E.
Continuous monitoring of the lunar or Martian subsurface using on-board pattern recognition and neural processing of Rover geophysical data
16 p2596 N91-24384
GLASS, DAVID E.
Procedure for implementation of temperature-dependent mechanical property capability in the Engineering Analysis Language (EAL) system
[NASA-CR-187470] 07 p1019 N91-15599
GLASS, G. P.
Infrared absorption spectroscopy and chemical kinetics of free radicals
[DE91-008282] 12 p1867 N91-20260
GLASS, H. D.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
GLASS, I. S.
Multiwavelength monitoring of the Seyfert 1 galaxy NGC 4593
09 p1445 N91-17966
GLASS, J. T.
Annealing effects on the microstructure of titanium electrical contacts on diamond films
[DE91-010150] 21 p3484 N91-29327
GLASS, JEFFREY T.
Growth, characterization and device development in monocrystalline diamond films
[AD-A230186] 12 p1873 N91-20293
Growth, characterization, and device development in monocrystalline diamond films
[AD-A237463] 21 p3595 N91-30000
GLASS, M. W.
Modeling laser ignition of explosives and pyrotechnics: Effects and characterization of radiative transfer
[DE90-011052] 08 p1121 N91-16161
GLASSELL, R. L.
Manipulation hardware for microgravity research
[NASA-TM-103423] 06 p0814 N91-14498
A distributed data acquisition software scheme for the laboratory telerobotic manipulator
[NASA-CR-187841] 07 p1011 N91-15551
Custom electronic subsystems for the laboratory telerobotic manipulator
[NASA-CR-187730] 07 p1011 N91-15554
NASA Laboratory telerobotic manipulator control system architecture
[NASA-CR-187751] 08 p1159 N91-16385
GLASSER, A.
Computing for magnetic fusion energy research: The next five years
[DE91-010686] 15 p2512 N91-23921
GLASSER, A. H.
Moving finite elements: A continuously adaptive method for computational fluid dynamics
[DE91-013391] 20 p3343 N91-28513
A new variational formulation of kinetic plasma theory and the application of moving finite elements
[DE91-016072] 24 p4105 N91-32938

GLASSER, ALAN H.
Complete fluid equations for low-n singular modes in axisymmetric toroidal plasmas
[DE91-000176] 02 p0275 N91-11545
GLASSER, LANCE A.
A fast multiport memory based on single-port memory cells
[AD-A239455] 23 p3907 N91-31811
GLASSMAN, ARTHUR J.
Lewis aeropropulsion technology: Remembering the past and challenging the future
12 p1835 N91-20087
Computer code for single-point thermodynamic analysis of hydrogen/oxygen expander-cycle rocket engines
[NASA-TM-4275] 12 p1858 N91-20206
GLASSMAN, MYRON
Technical communications in aerospace: An analysis of the practices reported by US and European aerospace engineers and scientists
[NASA-TM-103441] 05 p0730 N91-14079
GLASSMEIER, K.-H.
Configurational sensitivity of multipoint magnetic field measurements 01 p0070 N91-10421
Cluster as a wave telescope 01 p0070 N91-10424
GLATFELTER, T.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296
GLATTER, I.
Ceramic fiber coating development and demonstration
[AD-A234773] 18 p2964 N91-26358
GLATZMAIER, GREG C.
Analysis of applications of solar technology for the treatment of chlorinated organic waste
[DE91-002121] 09 p1362 N91-17483
GLAUDELL, GENE A.
CBSD version 2 component models of the IR celestial background
[AD-A235372] 18 p3083 N91-27048
GLAZ, HARLAND M.
Multiburst and fratricide effects. Task 1: Numerical methods and computational results
[AD-A236498] 19 p3164 N91-27496
GLEASON, J.
Photophysics and chemistry of ultra-fast ZnO and CdS phosphors
[DE91-013106] 23 p3931 N91-31966
GLEASON, JOHN R.
Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] 17 p2747 N91-25200
GLEASON, K.
Energy and Technology Review, February-March 1991
[DE91-015487] 23 p3942 N91-32031
GLEASON, KAREN K.
Artifact diamond characterization
[AD-A231555] 13 p2057 N91-21323
GLEASON, KEVIN
Energy and Technology Review, March 1990
[DE90-008230] 08 p1269 N91-16985
GLEASON, S. S.
Subpixel measurement of image features based on paraboloid surface fit
[DE91-004777] 10 p1575 N91-18667
GLEAVE, SUSAN
An investigation into the potential use of psychometric instruments for the selection of firearms officers
[CRANFIELD-AERO-9108] 24 p4077 N91-32772
GLECIER, JACK
Design and certification of aircraft for the HERF environment 04 p0461 N91-12575
GLEDHILL, B. L.
Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538
GLEESON, BARRY
Programming with process groups: Group and multicast semantics
[NASA-CR-187975] 14 p2303 N91-22722
GLEGG, STEWART A. L.
Velocity measurements in a turbulent trailing vortex and their application to BWI noise prediction
[NASA-CR-188083] 13 p2018 N91-21100
GLEICHER, G. J.
A theoretical and experimental study of unimolecular and biomolecular radical hydrogen transfer reactions
[DE91-012607] 21 p3473 N91-29261
GLEIS, S.
Experimental investigations on the transition from stable to unstable combustion by means of active instability control 15 p2378 N91-23165
GLEMBOCKI, O. J.
Characteristics of oxide layer grown on gallium arsenide using 2.8 eV translational energy atomic oxygen
[DE91-004865] 07 p1073 N91-15908
GLENDENNING, N. K.
Impact of the nuclear equation of state on models of rotating neutron stars
[DE91-014615] 20 p3446 N91-29125
Nuclear and particle astrophysics
[DE91-016260] 23 p3939 N91-32016
Fast pulsars, variational bound, other facets of compact stars
[DE91-016416] 23 p3939 N91-32018
GLENDINNING, S. G.
Planar indirect-drive Rayleigh-Taylor experiments on Nova
[DE91-011967] 18 p3067 N91-26943
Large growth Rayleigh-Taylor experiments on Nova
[DE91-012885] 20 p3418 N91-28955
GLENN, J. F.
Sustaining health and performance in the desert: Environmental medicine guidance for operations in Southwest Asia
[AD-A229643] 12 p1929 N91-20616
GLENN, L. A.
Experiments and calculations of jet penetration in glass
[DE91-013567] 20 p3327 N91-28422
GLENN, W. H.
Turnable blue-green LIDAR transmitter demonstration: Injection laser technology
[AD-A228425] 09 p1340 N91-17362
Development of optical fibers with embedded gratings for sensor and signal processing applications
[AD-A229971] 12 p1980 N91-20894
GLEYZES, C.
Study of the flow around the GARTEUR AD/AG07 wing: First F2 test campaign results
[ONERA/DERAT-37/5025-26]
23 p3783 N91-31096
Postprocessing of experimental and numerical results in the case of two and three dimensional flows
[AAAF-NT-89-25] 23 p3871 N91-31592
GLICKSMAN, M. E.
Undercooling of acoustically levitated molten drops
13 p2063 N91-21359
GLIMM, JAMES
Nonlinear waves in real materials
[AD-A232654] 15 p2428 N91-23452
GLINERT, E. P.
Techniques for interactive 3-D scientific visualization
[DE91-007122] 11 p1777 N91-19745
GLINKA, GRZEGORZ
Fatigue life predictions of notched components: Crack intitiation 07 p1016 N91-15576
Weight functions for edge and surface semi-elliptical cracks in weldments 07 p1016 N91-15579
Residual stresses in fatigue 07 p1017 N91-15585
GLISH, G. L.
Analysis of metals in solution using electrospray ionization mass spectrometry
[DE91-012522] 20 p3308 N91-28310
Fixed-wavelength R2PI/tandem mass spectrometry for mixture analysis in the quadrupole ion trap
[DE91-012506] 20 p3398 N91-28835
Spontaneous cluster decomposition in a quadrupole ion trap
[DE91-012519] 20 p3399 N91-28836
GLOBUS, AL
FAST: A multi-processed environment for visualization of computational fluid 14 p2355 N91-23024
GLOD, G. D.
Blood electrolyte balance in dogs repeatedly exposed to +G(subz) acceleration 22 p3714 N91-30674
GLOSS, B. B.
National Transonic Facility status
16 p2550 N91-24133
GLOSS, BLAIR B.
Longitudinal aerodynamic characteristics of a subsonic, energy-efficient transport configuration in the National Transonic Facility
[NASA-TP-2922] 20 p3281 N91-28143
GLOSSON, R.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
GLOVER, DANIEL
NASA cryogenic fluid management space experiment efforts, 1960-1990
[NASA-TM-103752] 21 p3608 N91-30073
GLOVER, MICHAEL P.
Heat transfer in a compact tubular heat exchanger with helium gas at 3.5 MPa
[NASA-CR-187680] 09 p1333 N91-17320
GLOVER, RICHARD D.
A knowledge based application of the extended aircraft interrogation and display system
[NASA-TM-4327] 23 p3916 N91-31874
GLOZMAN, VLADIMIR
Detailed modal testing of a solid rocket motor using a portable test system 11 p1660 N91-19144
GLUCKMAN, JONATHAN
Adaptive function allocation for intelligent cockpits
[AD-A239714] 23 p3907 N91-31808
GLUCKSTERN, R. L.
Universal scaling function for FEL gain
[DE91-001124] 04 p0529 N91-12937
GLUCKSTERN, ROBERT L.
Advanced methods for the computation of particle beam transport and the computation of electromagnetic fields and beam-cavity interactions
[DE90-011071] 08 p1222 N91-16734
GLUSHKO, ROBERT J.
Seven ways to make a hypertext project fail
13 p2165 N91-21946
GLUSKO, ROBERT J.
Addressing hypertext design and conversion issues
[NASA-CR-187934] 10 p1570 N91-18632
GLYMOUR, CLARK
Using artificial intelligence to aid in the development of causal models
[AD-A231273] 13 p2142 N91-21794
GLYNN, M. S.
Implementation of the FAA research and development electromagnetic database
[DE91-010063] 15 p2468 N91-23674
Implementation of the FAA research and development electromagnetic database 24 p4066 N91-32715
GLYNN, PETER W.
Likelihood ratio sensitivity analysis for Markovian models of highly dependable systems
[AD-A227992] 07 p1061 N91-15837
Analysis of parallel, replicated simulations under a completion time constraint
[AD-A228292] 08 p1203 N91-16613
Experiments with initial transient deletion for parallel, replicated steady-state simulations
[AD-A227879] 08 p1206 N91-16636
Pathwise convexity and it's relation to convergence of time-average derivatives
[AD-A228888] 08 p1210 N91-16662
Estimating the asymptotic variance with batch means
[AD-A228293] 08 p1211 N91-16667
The asymptotic validity of sequential stopping rules for stochastic simulations
[AD-A228896] 08 p1211 N91-16668
Simulation methodology
[AD-A238113] 21 p3557 N91-29765
GMELIGMEYLING, R. H. J.
Approximation and geometric modeling with simplex B-splines associated with irregular triangles
[MEMO-842] 01 p0115 N91-10673
GMUENDER, FELIX K.
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
Reduced lymphocyte activation in space: Role of cell-substratum interactions 11 p1750 N91-19621
Plant protoplast development on Biokosmos 9
11 p1758 N91-19674
GMUER, N. F.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
GNANAMOORTHY, J. B.
Compatibility studies of copper, brass and cupronickel with Hytherm-500 thermofluid
[DE91-618664] 16 p2602 N91-24421
GNANARAJAN, S.
A model for solventless PMDA/ODA polyamic acid: Consequences for the reactivity of polyamic acid with metals
[AD-A225818] 04 p0501 N91-12780
GNEDIN, N. Y.
Spectral synthesis code LINESPEC: Ionisation equilibrium of plasma and absorption spectra formation
06 p0923 N91-15106
GNEMMI, F.
Blade-wake interaction on a two blade rotor with prediction of the radiated noise stationary and forward flight, comparison between calculation, and experiment
[ISL-R-120/89] 13 p2148 N91-21832
GNEMMI, P.
Modeling blade/vortex interactions
[ISL-R-107/89] 01 p0003 N91-10016
Noise prediction for a three-dimensional blade/line vortex interaction
[ISL-CO-226/89] 03 p0415 N91-12322
Effect of non-rectangular blade tips on BVI noise for a two-bladed rotor
[ISL-CO-217/90] 12 p1975 N91-20866
Calculation of thickness and charge noise radiated by a rotor in forward flight
[ISL-R-119/89] 13 p2148 N91-21831
GNOFFO, PETER A.
A comparative study of Navier-Stokes codes for high-speed flows 02 p0149 N91-10869

Conservation equations and physical models for hypersonic air flows over the aeroassist flight experiment vehicle 02 p0154 N91-10897

GO, WILLIAM W.
The use of window functions and Kalman filtering in spectral estimation
[AD-A227482] 08 p1134 N91-16236

GOBEN, CHARLES A.
Total-dose radiation effects data for semiconductor devices (1989 supplement)
[NASA-CR-187431] 05 p0725 N91-14049

GOBIN, V.
Modeling of electrically thick materials theoretical and experimental aspects 24 p4046 N91-32605

GOBINATH, THULASIRAM
Finite element solution of steady state axisymmetric penetration problems 08 p1163 N91-16403

GOCHEV, A.
Solvent dynamical effects in electron transfer: The solvent inertial limit and the predicted influence of quantum effects
[AD-A237462] 21 p3575 N91-29880

GOCKE, ROBYN
Operation and performance of the Ciba-Corning 512 coagulation monitor during parabolic flight 24 p4078 N91-32780

GODDARD, K.
Re-engining: Real stage 3 compliance plus other benefits
[PNR-90755] 01 p0012 N91-10075

GODDARD, R. B.
Coordination and synchronization of loran-C and GPS to universal coordinated time
[AD-A233221] 17 p2734 N91-25141

GODECHOT, X.
Broad-beam, high current, metal ion implantation facility
[DE91-009329] 13 p2052 N91-21291
Novel metal ion surface modification technique
[DE91-010228] 16 p2602 N91-24422
Plasma immersion surface modification with metal ion plasma
[DE91-014233] 20 p3422 N91-28979

GODETT, T. M.
An update on the development of heat-pipe solar receivers for Stirling/dish-electric systems
[DE91-004568] 09 p1356 N91-17450

GODOWITCH, J.
Sensitivity analysis of a nested ozone air quality model
[PB91-191221] 22 p3703 N91-30608

GODOWITCH, JAMES M.
Vertical ozone fluxes and related deposition parameters over agricultural and forested landscapes
[PB91-109926] 12 p1920 N91-20563

GODOYJUNIOR, MOACIR
Production of image proportions through a linear mixing model
[INPE-5170-PRE/1639] 13 p2110 N91-21615

GODTHELP, J.
The development of steering controllability test procedures for light- and medium-weighted trucks. Phase 3: Closed- and open-loop experiments with nine medium-weighted truck configurations
[IZF-1990-A-44-PHASE-3] 22 p3689 N91-30541
The use of an active gas-pedal as an element of an intelligent driver support system: Literature review and explorative study
[IZF-1990-B-17] 22 p3721 N91-30708

GOEBEL, C.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912

GOEBEL, D. M.
HOLLOTRON switch for megawatt lightweight space inverters
[NASA-CR-187083] 14 p2260 N91-22502

GOEBEL, F.
Generating all 3-connected 4-regular planar graphs from the octahedron graph
[MEMO-854] 01 p0115 N91-10678

GOEBEL, JOHN H.
Carbon stars with alpha-C:H emission 06 p0910 N91-15022
New circumstellar dust component in oxygen rich environments 06 p0910 N91-15023

GOEBEL, STEVEN GEORGE
An experimental investigation of compressible, turbulent mixing layers 03 p0362 N91-12029

GOEDEL, H.
Integrated design analysis and optimization
[MBB/FE2/S/PUB/0398] 07 p0939 N91-15145
The integration of structural optimization in the general design process for aircraft
[MBB/FE122/S/PUB/0405] 08 p1096 N91-16017

GOEDHART, BOB
Modules in LORE: Notes on the implementation
[REPT-90-64] 10 p1574 N91-18657

GOEING, MICHAEL
The 2-D supersonic nozzle design 15 p2381 N91-23176

GOEL, AMRIT L.
Software engineering for fault tolerant systems
[AD-A235459] 19 p3218 N91-27787

GOEL, ARVIND
Evaluation of the ACEC benchmark suite for real-time applications
[AD-A231968] 14 p2308 N91-22751

GOEL, P.
The effect of combustor flow nonuniformity on the performance of hypersonic nozzles 15 p2380 N91-23173

GOELA, JITENDRA S.
Fabrication of lightweight Si/SiC LIDAR mirrors
[NASA-CR-4389] 21 p3583 N91-29935

GOELZ, T. M.
High power arcjet
[NASA-CR-187986] 11 p1665 N91-19173

GOERANSSON, PETER
FE analyses of aircraft model with interior trim
[FFA-TN-1990-21] 05 p0616 N91-13417

GOERING, DOUGLAS JOHN
The influence of curvature and buoyancy in three-dimensional pipe flows 03 p0364 N91-12037

GOERINGER, D. E.
Fixed-wavelength R2PI/tandem mass spectrometry for mixture analysis in the quadrupole ion trap
[DE91-012506] 20 p3398 N91-28835

GOERKE, WINFRIED
Safety as a design goal for applications of microelectronic control systems
[REPT-23/90] 08 p1136 N91-16253

GOERNER, DAWN
Evaluation of potential damage to unconventional structures by sonic booms
[AD-A225029] 03 p0381 N91-12125

GOERTZ, C. K.
Interaction of a neutral cloud moving through a magnetized plasma 09 p1404 N91-17728
High resolution measurements of density structures in the Jovian plasma sheet
[NASA-CR-188918] 24 p4123 N91-33043

GOERZ, D. A.
Performance of a 10 kV, 625 kA, 85 kJ energy discharge module utilizing a solid dielectric switch
[DE91-017432] 24 p4008 N91-32409

GOETERS, K. M.
Psychological selection of astronauts: Recent developments at the DLR testing centre in Hamburg (Fed. Republic of Germany) 15 p2449 N91-23565

GOETERS, KLAUS-MARTIN
Sex differences concerning performance and personality traits of applicants for highly qualified operator functions in aviation 02 p0245 N91-11364

GOETSCH, GORDON JAMES
Maximization of mutual information in a context sensitive neural network 16 p2674 N91-24798

GOETSCH, J. A.
Software development experiences with a distributed database in a large, distributed computer system
[DE91-012818] 20 p3384 N91-28750

GOETTL, BARRY P.
The object display in decision making and judgment
[AD-A227059] 06 p0885 N91-14889

GOETTSCHE, CRAIG
Correlative visualization techniques for multidimensional data
[NASA-TM-105073] 22 p3764 N91-30982

GOETZ, D. P.
Studies of mode 1 and mode 2 delamination using a J-integral analysis and in-situ observations of fracture in the SEM
[AD-A225789] 07 p0968 N91-15316

GOETZ, J. A.
Total magnetic reconnection during a tokamak major disruption
[DE91-013637] 21 p3586 N91-29949

GOFF, JOHN A.
Stochastic modelling of seafloor morphology
[AD-A237063] 21 p3545 N91-29697

GOFFAUX, B.
Thermal bonding of thermoplastic composites: Influence of matrix and interlayer on the weld fracture toughness 03 p0333 N91-11864

GOFORTH, E. A.
Flexible body dynamic stability for high performance aircraft 14 p2227 N91-22318

GOFORTH, J. H.
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955

GOGINENI, S. P.
A numerical procedure for recovering true scattering coefficients from measurements with wide-beam antennas
[NASA-CR-186042] 23 p3855 N91-31492

GOGNY, D.
Model for the non-perturbative QCD vacuum
[PB91-194407] 22 p3749 N91-30898

GOGOLEWSKI, RAYMOND P.
A modification of 4330 alloy steel
[DE91-001764] 06 p0807 N91-14455

GOGUEN, J. D.
Triton's global heat budget
[NASA-CR-188178] 14 p2354 N91-23018

GOH, BOON
HQ-IFS Maintenance Resource Prediction Model (MRPM) user's manual
[AD-A229297] 22 p3762 N91-30972

GOH, CHOON PHONG
Model selection for solving kinematic problems
[AD-A228692] 09 p1389 N91-17642

GOHBERG, ISRAEL
Applications of operator theory to maximum entropy problems
[AD-A230417] 12 p1970 N91-20834

GOHIL, P.
High spatial and temporal resolution visible spectroscopy of the plasma edge in DIII-D
[DE91-002718] 05 p0721 N91-14023
Spectroscopic study of edge poloidal rotation and radial electric fields in the DIII-D tokamak
[DE91-002706] 09 p1401 N91-17710
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888

GOHRING, J.
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195

GOHRING, JOHN R.
Sharing intelligence: Decision-making interactions between users and software in MAESTRO 14 p2312 N91-22772

GOKCEN, TAHIR
Computation of thermochemical nonequilibrium flows around a simple and a double ellipse
[NASA-CR-187702] 06 p0825 N91-14558

GOKOGLU, S. A.
A numerical and experimental analysis of reactor performance and deposition rates for CVD on monofilaments
[NASA-TM-103631] 06 p0815 N91-14500

GOKOGLU, SULEYMAN
Computational materials science. An example: Numerical modeling of chemical vapor deposition processing of advanced fibers 12 p1840 N91-20111

GOKOGLU, SULEYMAN A.
Chemical vapor deposition modeling: An assessment of current status
[NASA-CR-185301] 06 p0817 N91-14511

GOLAN, ODED M.
Minimum fuel trajectories for low-thrust power-limited spacecraft 14 p2206 N91-22185

GOLANICS, C. J.
The in-flight calibration of a helicopter-mounted Daedalus multispectral scanner
[DE91-013054] 20 p3286 N91-28170

GOLANSKI, A.
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860

GOLAS, KATHARINE
Spacecraft software training needs assessment research
[NASA-CR-188103] 12 p1960 N91-20786
Spacecraft software training needs assessment research, appendices
[NASA-CR-188104] 12 p1960 N91-20787

GOLBEN, JOHN P.
FNAS materials processing and characterization
[NASA-CR-188710] 22 p3759 N91-30954

GOLD, BERNARD
A physiologically motivated front end for speech recognition
[AD-A233727] 18 p2973 N91-26414
GOLD, K.
Codeless GPS Applications to Multi-Path: CGAMP
03 p0352 N91-11967
GOLD, R.
Benchmark field study of deep neutron penetration
[DE91-015677] 24 p4096 N91-32886
GOLD, RONALD R.
Torsional suspension system for testing space structures
[NASA-CASE-LAR-14149-1-SB]
13 p2032 N91-21176
GOLD, S. H.
Time-dependent multimode simulation of gyrotron oscillators
[AD-A229861] 11 p1709 N91-19413
GOLD, STEVEN H.
Observation of harmonic gyro-backward-wave oscillation in a 100 GHz CARM oscillator experiment
[AD-A232063] 15 p2419 N91-23398
GOLDADER, J. D.
Pre-encounter observations of 951 Gaspra
17 p2897 N91-26010
GOLDBERG, D. A.
Modes of elliptical waveguides: A correction
[DE90-016647] 01 p0034 N91-10203
GOLDBERG, DAVID E.
The mGA1.0: A common LISP implementation of a messy genetic algorithm
[NASA-CR-187260] 04 p0557 N91-13084
An investigation of messy genetic algorithms
[NASA-CR-187268] 04 p0557 N91-13086
GOLDBERG, KENNETH YIGAEL
Stochastic plans for robotic manipulation
20 p3357 N91-28597
GOLDBERG, L.
Fiber optic feed
[AD-A229860] 11 p1799 N91-19879
GOLDBERG, LEW
A modulated high-power optical source specification
[AD-D014654] 11 p1798 N91-19869
GOLDBERG, LOUIS F.
One- and two-dimensional Stirling machine simulation using experimentally generated flow turbulence models
[NASA-CR-185285] 06 p0800 N91-14414
GOLDBERG, MATTHEW S.
The costs and benefits of aircraft availability
[AD-A232660] 15 p2363 N91-23076
GOLDBERG, MOSHE
Stability analysis of finite difference approximations to hyperbolic systems and problems in applied and computational matrix and operator theory
[AD-A230543] 12 p1971 N91-20842
GOLDBERG, P. Y.
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544
GOLDBERG, RICHARD A.
A review and reflections on the sun-climate connection 03 p0447 N91-12499
GOLDBERG, ROB
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
GOLDBERG, V. R.
The feasibility of testing NASA's SCAD concentrator on Earth
[DE91-016055] 23 p3889 N91-31702
GOLDBURG, M. H.
Clutter rejection for Doppler weather radars with multirate sampling schemes
[AD-A229762] 12 p1925 N91-20595
GOLDEN, D. M.
Laser probes of natural gas ignition chemistry
[PB91-127993] 13 p2047 N91-21262
GOLDEN, J.
Diffusion fields in a toroidal conducting shell of circular cross section
[AD-A228021] 08 p1127 N91-16197
Studies of synchrotron radiation emission from the NRL modified betatron accelerator
[AD-A231346] 13 p2153 N91-21868
GOLDEN, J. B.
A neural network for the analysis of aircraft test data
17 p2733 N91-25133
GOLDEN, JOHNNY L.
Results of examination of the A-276 white and Z-306 black thermal control paint discs flown on LDEF
16 p2717 N91-25039
GOLDEY, C.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
GOLDEY, C. L.
Propulsion simulator for magnetically-suspended wind tunnel models 13 p2036 N91-21198
GOLDFARB, I. J.
Characterization of Acetylene Terminated Sulfone (ATS) resin. Part 1: Chemical characterization of the resin
[NIAR-91-6-PT-1] 16 p2603 N91-24424
Characterization of Acetylene Terminated Sulfone (ATS) resin. Part 2: Thermal analysis of the resin
[NIAR-91-7-PT-2] 16 p2604 N91-24425
GOLDFARB, MARK
Extended abstracts. The US workshop on the Physics and Chemistry of Mercury Cadmium Telluride and Novel IR Detector Materials
[AD-A230804] 12 p1991 N91-20960
GOLDFINE, ALAN
Proceedings of the Federal Information Processing Standards (FIPS) Workshop on Information Resource Dictionary System (IRDS) Applications
[PB89-136329] 14 p2340 N91-22936
GOLDFINGER, R. C.
Fast-wave current drive modelling for large non-circular tokamaks
[DE91-000562] 04 p0584 N91-13261
GOLDHABER, G.
The Berkeley/Anglo-Australian Observatory high-redshift supernova search
[DE91-012348] 18 p3084 N91-27051
The Berkeley search for distant supernovae to measure omega
[DE91-016418] 23 p3938 N91-32010
GOLDHIRSH, JULIUS
A description of results from the handbook on signal fade degradation for the land mobile satellite service
03 p0352 N91-11966
GOLDIE, JAMES
A superconducting large-angle magnetic suspension
13 p2035 N91-21191
GOLDMAN, A.
Temperature dependent infrared cross sections for CFC-11, CFC-12, CFC-13, CFC-14, CFC-22, CFC-113, CFC-114 and CFC-115
[PB91-164780] 19 p3201 N91-27693
GOLDMAN, ALLEN M.
High temperature superconducting compounds
[AD-A229082] 09 p1413 N91-17776
GOLDMAN, KENNETH J.
Distributed algorithm simulation using input/output automata
[AD-A228113] 08 p1202 N91-16611
GOLDMAN, LOUIS J.
Three-component laser anemometer measurement systems
[NASA-TP-3080] 11 p1642 N91-19057
GOLDMAN, M.
Potential health risks from postulated accidents involving the Pu-238 RTG (Radioisotope Thermoelectric Generator) on the Ulysses solar exploration mission
[DE91-007142] 11 p1796 N91-19857
GOLDMAN, MICHAEL A.
Optical digital image storage system
[PB91-191791] 14 p2341 N91-22944
GOLDMAN, MICHELLE
Methods for the development of a bioregenerative life support system 10 p1475 N91-18127
GOLDMAN, T.
An active particle accelerator
[DE91-011404] 18 p3062 N91-26915
GOLDSACK, STEPHEN J.
Programming in a proposed 9X distributed Ada
[NASA-CR-188831] 24 p4085 N91-32825
GOLDSCHMIED, FABIO R.
Aerodynamic transport efficiency of general aviation: An overview 04 p0460 N91-12573
GOLDSMITH, P. F.
The submillimeter wave astronomy satellite
13 p2177 N91-22025
GOLDSMITH, PAUL F.
Dust emission in the Sagittarius B2 molecular cloud core 06 p0895 N91-14947
GOLDSMITH, WERNER
Dynamic energy absorption of sandwich structures by inelastic deformation
[AD-A234903] 18 p2999 N91-26564
GOLDSTEIN, DAVID
Heat engine with corrugated shape memory drive belt
[AD-D014640] 05 p0669 N91-13716
GOLDSTEIN, DAVID BENJAMIN
Investigations of a discrete velocity gas
07 p1001 N91-15494
GOLDSTEIN, DENNIS H.
Infrared material property measurements with polarimetry and spectropolarimetry
[AD-A224940] 03 p0337 N91-11890
GOLDSTEIN, HOWARD E.
Composite flexible blanket insulation
[NASA-CASE-NPO-11907-1-NP]
23 p3807 N91-31236
GOLDSTEIN, J. C.
INEX modeling of the Boeing ring optical resonator free-electron laser
[DE90-016488] 01 p0047 N91-10280
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
GOLDSTEIN, J. I.
Investigation of plessite in iron meteorites and laboratory Fe-Ni(P) alloys
[DE91-010858] 18 p3084 N91-27053
X ray spatial resolution at intermediate voltages: An assessment by massively parallel Monte Carlo electron trajectory simulation
[DE91-012018] 20 p3399 N91-28841
The spatial resolution of x ray microanalysis in thin foils
[DE91-011949] 20 p3426 N91-29003
GOLDSTEIN, JOHN C.
Design requirements and calculated performance of an XUV FEL oscillator operating on a higher harmonic
[DE91-004833] 08 p1154 N91-16357
Thermal analysis of multifacet-mirror ring resonator for XUV free-electron lasers
[DE91-005855] 09 p1343 N91-17379
GOLDSTEIN, M. E.
The effect of small streamwise velocity distortion on the boundary layer flow over a thin flat plate with application to boundary layer stability theory
[NASA-TM-103668] 11 p1702 N91-19372
GOLDSTEIN, M. K.
Converting from VMS to ULTRIX
[PB90-220310] 01 p0107 N91-10622
GOLDSTEIN, MOISE
Massively parallel network architectures for automatic recognition of visual speech signals
[AD-A226968] 06 p0869 N91-14805
GOLDSTEIN, N. E.
A gravity model for the Coso geothermal area, California
[DE91-011874] 20 p3371 N91-28677
GOLDSTEIN, R. J.
The impact of separated flow on heat and mass transfer
[DE91-000592] 08 p1142 N91-16284
GOLDSTEIN, RICHARD M.
Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU]
06 p0840 N91-14642
GOLDSTEIN, STANLEY H.
NASA/ASEE Summer Faculty Fellowship Program, 1990, Volume 1
[NASA-CR-185637-VOL-1] 18 p3091 N91-27088
NASA/ASEE Summer Faculty Fellowship Program, 1990, volume 2
[NASA-CR-185637-VOL-2] 18 p3094 N91-27103
GOLDSTEIN, W. H.
Soft x-ray laser gain prediction at high density for the nitrogen isoelectronic sequence
[DE91-007616] 11 p1710 N91-19416
Calculation of emission and absorption spectra of LTE plasma by the STA (Super Transition Array) method
[DE91-007617] 11 p1803 N91-19900
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557
A calculation of gain in Ne-like Ag soft x ray lasers
[DE91-009758] 14 p2270 N91-22559
Analysis of time- and space-resolved Na-, Ne-, and F-like emission from a laser-produced bromine plasma
[DE91-011523] 17 p2869 N91-25871
GOLDSTON, R.
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
GOLDSTON, R. J.
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946
GOLDSTONE, J. A.
Magnetic structures of actinide materials by pulsed neutron diffraction
[DE91-000373] 08 p1109 N91-16093
Residual stress measurement using the pulsed neutron source at LANSCE
[DE91-013494] 20 p3362 N91-28624

Superconducting superoxygenated La(2-x)Sr(x)CuO(4+delta): Search for phase separation
[DE91-015334] 21 p3594 N91-29995

GOLDSTONE, JOYCE A.
Electronic, structural and transport properties of (almost) rare-earth-like actinide hydrides
[DE90-016491] 01 p0130 N91-10771

GOLDWASSER, JUDAH
Energetic binders for plastic bonded explosives
[AD-D014830] 16 p2611 N91-24455

GOLEBY, B. R.
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin 19 p3192 N91-27650
Seismic velocities in the Missionary Plain region: An aid to stratigraphic studies 19 p3192 N91-27652
Seismic interpretation and thrust tectonics of the Amadeus Basin, central Australia, along the BMR regional seismic line 19 p3197 N91-27672

GOLEC-BIERNAT, K.
Integrable Hamiltonian system in 2N dimensions
[DE91-619585] 13 p2143 N91-21798

GOLIGHTLY, MICHAEL J.
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699

GOLINGO, R.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157

GOLINSKY, MARTIN
Passive ranging of an airborne emitter by a single non-maneuvering or stationary sensor
[PATENT-1-254-292] 23 p3787 N91-31116

GOLKA, ROBERT K., JR.
How to create ball lightning 24 p4068 N91-32728

GOLLNICK, P. D.
Central and peripheral cardiovascular responses to electrically induced and voluntary leg exercise
11 p1761 N91-19687

GOLLVIK, STEFAN
On applying the adjoint model technique to a time series of surface pressure data
[DM-53] 10 p1556 N91-18559

GOLOB, ALEX
Thermal balance testing of the Anik-E spacecraft
11 p1657 N91-19131

GOLOD, A.
Survey: Potential of the Israeli industry for space technology
[CEMA-86-17] 15 p2520 N91-23967

GOLOD, E.
Survey of the possibilities for exploiting space for civil objectives
[ITN-90-85017] 16 p2563 N91-24213

GOLOMBEK, M. P.
The evolution of Tharsis: Implications of gravity, topography, and tectonics 14 p2348 N91-22985
Does wrinkle ridge formation on Mars involve most of the lithosphere 14 p2349 N91-22992
Have graben wall scarps accumulated sand and dust on Mars? 18 p3086 N91-27062

GOLOVACHEV, V.
Reevaluation of space program costs, priorities urged
19 p3111 N91-27187

GOLTZ, S. M.
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States
[PB91-100164] 09 p1358 N91-17464

GOLUB, GENE H.
Computational equipment for the development of numerical algorithms computation
[AD-A226702] 06 p0857 N91-14729
Matrix algorithms in signal processing
[AD-A228851] 08 p1205 N91-16625

GOLUB, I.
All-optical pulse switching and shaping by a nonlinear sandwich
[DE91-007482] 10 p1531 N91-18431

GOLUB, L.
Long and short timescale variability of magnetic activity on the BY Dra star BD+26 deg 730
09 p1440 N91-17941
Imaging performance and tests of soft x ray telescopes
[DE91-007557] 12 p2000 N91-21010

GOLUB, MORTON A.
A conformal oxidation-resistant, plasma-polymerized coating 15 p2539 N91-24063

GOLUBEV, V. S.
Laser alloying of steel using powder materials
19 p3131 N91-27299

GOLUBEVA, L. F.
Near-Earth and near-Mars asteroids: Prognosis of pyroxene types 17 p2915 N91-26095

GOMAA, HASSAN
Software design methods for real-time systems
[AD-A235701] 19 p3220 N91-27797

GOMES, A. S.
Molecular engineering of liquid crystal polymers by living polymerization. Part 11: Synthesis and characterization of poly(11-((4-cyano 4'trans-a-cyanostilbene)oxy)undecanyl vinyl ether)
[AD-A235963] 19 p3253 N91-27995

GOMES, WALKER
Sampling and interpolations in digital terrain models
[INPE-5041-TDL/404] 02 p0228 N91-11275

GOMEZ-MOLINERO, F.
Benchmarking of compilers and processors for space embedded real-time systems
[ESA-STR-233] 22 p3723 N91-30722

GOMEZ, C.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941

GOMEZ, SHAWN
Methods for the development of a bioregenerative life support system 10 p1475 N91-18127

GOMEZDELCAMPO, J.
Electron ion interactions in crystal channels: Collisions in ultra-dense electron media
[DE91-004398] 07 p1072 N91-15897
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791

GOMPF, R. H.
Physical and chemical test results of electrostatic safe flooring materials
[NASA-TM-103501] 01 p0033 N91-10194

GONCAVESPEREIRA, JOSE ANTONIO
Telemetry processing and displaying software for the Brazilian complete space mission
14 p2209 N91-22198

GONCHAROV, A. A.
Plasma-optics systems for the formation and focusing of ion beams 23 p3929 N91-31956

GONCHAROV, I. B.
Changes in rheologic indices of blood and hemodynamics during 14-day antiorthostatic hypokinesia
18 p3023 N91-26692

GONDHALEKAR, P. M.
The ultraviolet variability of 4C37.43 (QSO 1512+37)
09 p1444 N91-17964

GONDHALEKAR, V.
Modeling of thin Au/Ni multilayers
[NIAR-91-2] 07 p0983 N91-15394
Comparative study of phosphosilicate glass on (100) silicon by furnace and rapid isothermal annealing
[NIAR-90-26] 08 p1120 N91-16153
Study of precipitation and deformation characteristics of the aluminum-lithium alloy by x ray double crystal diffractometry
[NIAR-90-25] 09 p1312 N91-17200
Study of the aging and deformation characteristics of Al-Li alloys by x-ray analysis 10 p1455 N91-18018
X ray rocking curve analysis of aging and deformation characteristics in Al-Li alloys
[NIAR-91-5] 14 p2247 N91-22431

GONDHALEKAR, VIJAY
Magnetic bearings for a spaceflight optical disk recorder 13 p2036 N91-21195

GONG, HAIQING
An analysis of viscoelastic flow simulations
17 p2776 N91-25363

GONG, MALI
Frequency up-conversion of 10.6 microns laser
[AD-A233038] 16 p2632 N91-24570

GONG, P. P.
Measurement of molybdenum mirror reflectivities
[DE91-013318] 22 p3754 N91-30927

GONIDEC, P.
Anticipation of aerodynamic coefficients of missile air intakes 06 p0775 N91-14297

GONIS, A.
Real-space multiple scattering theory calculations of LEED (Low-Energy Electron Diffraction) intensities for stepped surfaces
[DE91-000810] 05 p0713 N91-13978
A new approach for the determination of electronic structure
[DE90-010479] 08 p1219 N91-16713
The electronic structure of grain boundaries in Nb
[DE91-008572] 12 p1992 N91-20965

GONSALVES, R. A.
Analysis of IR celestial survey experiment
[AD-A235997] 19 p3226 N91-27831

GONSALVES, ROBERT A.
Phase techniques for imaging and recognition
[AD-A226233] 04 p0583 N91-13250

GONZALES, A.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461

GONZALES, J. A.
Center for Electronics and Electrical Engineering technical publication announcements covering center programs, January - March, 1990, with 1990 CEEE events calendar
[PB91-107201] 09 p1326 N91-17282

GONZALES, RICHARD R.
Quantification of lower bounds for endurance times in thermally insulated fingers and toes exposed to cold stress
[AD-A227782] 08 p1191 N91-16545

GONZALEZ-RIESTRA, ROSARIO
The ultraviolet spectrum of FG Sge
09 p1438 N91-17925
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems
09 p1439 N91-17930

GONZALEZ, D.
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157

GONZALEZ, I.
Habitability: CAMELOT 4 10 p1479 N91-18150

GONZALEZ, J. A.
Center for electronics and electrical engineering. Technical progress bulletin covering center programs, July to September 1990, with 1991 CEEE events calendar
[PB91-159749] 18 p2977 N91-26437
Technical publication announcements covering center programs, July to September 1990, with 1991 CEEE events calendar
[PB91-184754] 21 p3508 N91-29476

GONZALEZ, RICHARD R.
Physiological responses to intermittent exercise as modified by heat stress and protective clothing
[AD-A237447] 21 p3548 N91-29716

GONZALEZ, TEOFILO F.
The on-line d-dimensional dictionary problem
[RUU-CS-90-31] 23 p3910 N91-31829
Covering a set of points with fixed size hypersquares and related problems
[RUU-CS-90-32] 23 p3920 N91-31898

GONZALEZDELAMO, JOSE ANTONIO
GaAs/Ge solar cell for space applications
24 p3990 N91-32293

GOO, GEE-IN
Block patterning of the metallization of polyvinylidene fluoride transducers
[AD-D014872] 18 p2979 N91-26450

GOOCH, R. W.
CIM 10-micrometers array development
[AD-A236781] 19 p3159 N91-27467

GOOD, DONALD I.
What can formal methods offer to digital flight control systems design 09 p1377 N91-17566

GOOD, E. E.
World nonbauxite aluminum resources excluding alunite
[PB91-137745] 17 p2801 N91-25495

GOOD, M. S.
Materials property measurements
[DE91-005612] 10 p1537 N91-18459

GOOD, SHARON E.
Computer center reference manual, volume 2
[AD-A232370] 15 p2489 N91-23781

GOODBERLET, M. A.
Development of a validation model for the defense meteorological satellite program's special sensor microwave imager
[NASA-CR-187369] 02 p0241 N91-11342

GOODELL, PHILLIPS W.
Demand estimation for collegiate aviation academic programs 16 p2543 N91-24092
Marketing for collegiate aviation education
[NIAR-91-18] 21 p3602 N91-30042

GOODENOUGH, J. B.
Excess oxygen defects in layered cuprates
[DE90-017669] 02 p0278 N91-11565

GOODENOUGH, JOHN B.
Rate monotonic analysis for real-time systems
[AD-A235641] 19 p3219 N91-27794
Generic avionics software specification
[AD-A235752] 19 p3221 N91-27802

GOODHEW, P. J.
Solidification of fine dispersions in microgravity (TEXUS 14b) 23 p3845 N91-31441

GOODING, JAMES L.
Volatile compounds in shergottite and nakhlite meteorites 14 p2349 N91-22993
Iron mineralogy of a Hawaiian palagonitic soil with Mars-like spectral and magnetic properties
14 p2350 N91-22997
Pre-terrestrial origin of rust in the Nakhla meteorite
14 p2352 N91-23007

Characterizing water/rock interaction in simulated comet nuclei via calorimetry: Tool for in-situ science, laboratory analysis, and sample preservation
17 p2891 N91-25983
Physical and chemical properties of the Martian soil: Review of resources 17 p2913 N91-26084
Chemistry and mineralogy of Martian dust: An explorer's primer 18 p3086 N91-27063

GOODING, R. H.
Perturbations, untruncated in eccentricity, for an orbit in an axi-symmetric gravitational field
[RAE-TM-SPACE-379] 22 p3627 N91-30182
On the universality of orbital theory for satellite motion perturbed by gravitational harmonics
[RAE-TM-SPACE-380] 22 p3627 N91-30183
Untruncated perturbation analysis for a satellite orbiting in a non-rotating gravitational field
[RAE-TM-SPACE-381] 22 p3627 N91-30184
On a problem arising in the computation of orbit perturbations
[RAE-TM-SPACE-384] 22 p3627 N91-30185
A procedure for the solution of Lambert's orbital boundary-value problem
[RAE-TM-SPACE-378] 22 p3729 N91-30760

GOODLOE, CAROLYN C.
Lightning protection for shuttle propulsion elements
24 p4051 N91-32630

GOODMAN, ALAN HOWARD
Surface cloud observations for radiation, climatology and incorporation into satellite-based nephanalyses
15 p2467 N91-23671

GOODMAN, B. J.
Assessment of municipal solid waste for energy production in the Western United States
[DE90-000361] 02 p0230 N91-11283

GOODMAN, D. M.
Diffraction-limited imaging of satellites using bispectral speckle interferometry
[DE91-015745] 21 p3605 N91-30062

GOODMAN, D. W.
Correlations between surface structure and catalytic activity/selectivity
[DE91-016453] 23 p3810 N91-31255
High pressure catalytic reactions over single-crystal metal surfaces
[DE91-016475] 23 p3811 N91-31256

GOODMAN, DENNIS M.
Deconvolution/identification techniques for 1-D transient signals
[DE91-004930] 10 p1569 N91-18629

GOODMAN, GEORGE
Feedback control of combustion instabilities: A case study in active adaptive control of complex physical systems
[AD-A229812] 12 p1866 N91-20253

GOODMAN, H. MICHAEL
WetNet operations 24 p4058 N91-32668

GOODMAN, J. A.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848

GOODMAN, JOHN M.
The Effect of the Ionosphere on Radiowave Signals and Systems Performance Based on Ionospheric Effects Symposium
[AD-A233797] 18 p2974 N91-26416

GOODMAN, M.
Signals from cosmic ray sources, some statistical issues
[DE91-008727] 12 p2009 N91-21054

GOODMAN, MAURY
Believability of signals from cosmic ray sources
[DE91-006489] 09 p1450 N91-18001

GOODMAN, STEVEN J.
Predicting thunderstorm evolution using ground-based lightning detection networks
[NASA-TM-103521] 07 p1032 N91-15660
Global water cycle 24 p4056 N91-32661
Global lightning studies 24 p4057 N91-32667

GOODMAN, STEVEN JAY
Predicting thunderstorm evolution using ground-based lightning detection networks 20 p3376 N91-28702

GOODRICH, B. E.
Gas rotary engine technology development
[PB91-182402] 19 p3177 N91-27563

GOODRICH, JOHN W.
Time dependent viscous incompressible Navier-Stokes equations 02 p0146 N91-10854

GOODRICH, LEWIS R., SR.
Linear mass actuator
[NASA-CASE-LAR-14352-1] 24 p4028 N91-32511

GOODRICH, S.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240

GOODS, S. H.
Tritium-field betacells
[DE91-014666] 21 p3579 N91-29910

GOODSELL, A. M.
Euler and potential experiment/CFD correlations for a transport and two delta-wing configurations
[NASA-TM-102208] 01 p0003 N91-10014

GOODSON, JAMES L.
The development of an expert system for software cost estimation
[AD-A229305] 22 p3724 N91-30724

GOODWIN, CHARLES A.
Radiation hardening of a high voltage IC technology (BCDMOS)
[DE90-008345] 08 p1131 N91-16220

GOODWIN, D. G.
Diamond synthesis in a 50 kW inductively coupled atmospheric pressure plasma torch
[AD-A227563] 07 p0985 N91-15405
Simulations of high-rate diamond synthesis: Methyl as growth species
[AD-A233079] 16 p2606 N91-24439

GOODWIN, G. M.
Weldability of nickel aluminides
[DE90-008557] 08 p1113 N91-16116
HAZ liquation cracking behavior in newly developed lean 316 stainless steels
[DE90-009409] 08 p1113 N91-16117
Bibliography of the technical literature of the Materials Joining Group, Metals and Ceramics Division, 1951--June 1989
[DE91-000530] 08 p1115 N91-16126
Test methods for evaluating hot cracking: Review and perspective
[DE90-009820] 08 p1161 N91-16397
Evaluation of filler metals for high-strength stainless steels
[DE91-009931] 15 p2401 N91-23295
Thick-section weldments in 21-6-9 and 316LN stainless steel for fusion energy applications
[DE91-015307] 21 p3589 N91-29963

GOODWIN, M. A.
Capturing, using, and managing quality assurance knowledge for shuttle post-MECO flight design
12 p1943 N91-20691

GOODYEAR, S. W.
Progress in high Tc superconductors
05 p0722 N91-14031

GOOGE, J. M.
Parameter correlation of impulse shapes using two-port synthesis
[DE91-009121] 14 p2260 N91-22505

GOOKIN, D. M.
Wide-band RF signal processing with optoelectronic devices and fiber-optic delay lines
[AD-A233388] 16 p2689 N91-24888

GOOKIN, DEBRA M.
Variable weight fiber optic transversal filter
[AD-D014893] 19 p3245 N91-27944

GOOSMAN, D. R.
The POWER codes for estimating reflected light into an off-axis optical fiber
[DE91-011764] 17 p2864 N91-25837

GOOSSEN, KEITH
Photovoltaic quantum well infrared photodetectors
06 p0795 N91-14393

GOPALRATNAM, GIRIJA
Some results of ATTAS flight data analysis using maximum likelihood parameter estimation method
[DLR-FB-91-04] 22 p3619 N91-30133

GOPALSAMI, N.
Quantitative MRI (Magnetic Resonance Imaging) measurement of binder distributions in green-state ceramics
[DE91-004418] 07 p1013 N91-15564
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE90-011092] 08 p1118 N91-16141
Three-dimensional nuclear magnetic resonance and x ray microtomographic imaging of composite materials
[DE91-006477] 10 p1493 N91-18220
Nuclear magnetic resonance imaging of green-state ceramics
[DE91-010750] 17 p2762 N91-25292
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE91-012471] 20 p3325 N91-28410
The 3-D NMR imaging: A chemical microscope for analysis of heterogeneous macromolecular networks
[DE91-015109] 21 p3491 N91-29375
Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378

GOPINATH, R.
Wall interference studies
[PD-CF-9012] 01 p0039 N91-10232

GORA, YE. P.
Physiological sequelae of voluntary breath holding
19 p3210 N91-27747

GORADIA, C.
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion
22 p3631 N91-30206

GORADIA, CHANDRA
Key factors limiting the open circuit voltage of n(+)pp(+) indium phosphide solar cells 11 p1671 N91-19206
Investigation of anodic and chemical oxides grown on p-type InP with applications to surface passivation for n(+)-p solar cell fabrication 11 p1671 N91-19208
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates
11 p1671 N91-19209
A theoretical comparison of the near-optimum design and predicted performance of n/p and p/n indium phosphide homojunction solar cells
22 p3636 N91-30233

GORADIA, M.
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion
22 p3631 N91-30206

GORADIA, MANJU
Investigation of anodic and chemical oxides grown on p-type InP with applications to surface passivation for n(+)-p solar cell fabrication 11 p1671 N91-19208
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates
11 p1671 N91-19209
High resolution electrolyte for thinning InP by anodic dissolution and its applications to EC-V profiling, defect revealing and surface passivation
22 p3632 N91-30210

GORADIA, S. H.
Results of correlations for transition location on a clean-up glove installed on an F-14 aircraft and design studies for a laminar glove for the X-29 aircraft accounting for spanwise pressure gradient
16 p2551 N91-24138

GORD, J. R.
The effects of donor-acceptor electronic interactions on the rates of gas-phase metallocene electron-exchange reactions
[AD-A237459] 21 p3574 N91-29878

GORDA, B. C.
Split-join and message passing programming models on the BBN TC2000
[DE91-008067] 20 p3388 N91-28774
The PCP/PFP programming models on the BBN TC2000
[DE91-011537] 20 p3390 N91-28781

GORDER, PETER J.
Fully automatic guidance and control for rotorcraft nap-of-the-Earth flight following planned profiles. Volume 1: Real-time piloted simulation
[NASA-CR-177571-VOL-1] 13 p2027 N91-21149
Fully automatic guidance and control for rotorcraft nap-of-the-Earth flight following planned profiles. Volume 2: Mathematical model
[NASA-CR-177571-VOL-2] 13 p2027 N91-21150

GORDIN, V. A.
Toroidal plasma reactor with low external magnetic field
[DE91-011522] 17 p2869 N91-25870

GORDNIER, RAYMOND E.
Unsteady Navier-Stokes solutions for a low aspect ratio delta wing
[AD-A233201] 16 p2547 N91-24112

GORDON, B. M.
High-energy synchrotron radiation x ray microscopy: Present status and future prospects
[DE91-016894] 24 p4097 N91-32893

GORDON, CLAIRE C.
The 1988 anthropometric survey of US Army personnel: Correlation coefficients and regression equations. Part 1: Statistical techniques, landmark, and measurement definitions
[AD-A224986] 03 p0395 N91-12194
The 1988 anthropometric survey of US Army personnel: Methods and summary statistics
[AD-A225094] 03 p0395 N91-12196
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 2: Simple and partial correlation tables-male
[AD-A224987] 04 p0551 N91-13055
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 3: Simple and partial correlation tables-female
[AD-A224988] 04 p0551 N91-13056

Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 4: Bivariate regression tables
[AD-A224989] 04 p0551 N91-13057
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 5: Stepwise and standard multiple regression tables
[AD-A224990] 04 p0551 N91-13058
An assessment of long-term changes in anthropometric dimensions: Secular trends of US Army males
[AD-A230416] 12 p1933 N91-20636

GORDON, DAVID F.
Canonical eigenvalues. Part 2: Application to one-layer, bounded, underwater acoustic ducts
[AD-A227451] 08 p1213 N91-16677

GORDON, G. H.
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185

GORDON, J.
An improved method of investigation of compressor blade fit using holographic interferometry
[AD-A238182] 21 p3459 N91-29185

GORDON, J. G.
The structure of electrochemical adsorbates
[AD-A232991] 16 p2598 N91-24395

GORDON, JAIME
Modification of electrical conductivity of a-Si:H thin films by diffusion-blocking interlayers
[ITN-91-85067] 07 p1074 N91-15911

GORDON, JEAN
Typology test of text sources in the framework of computer aided translation 04 p0603 N91-13355

GORDON, JOSEPH G.
Structure of electrochemically deposited copper on gold (III) alloy
[AD-A232345] 15 p2402 N91-23303
In-situ surface x ray scattering measurements of electrochemically deposited bismuth on silver (III): Structure, compressibility, and comparison with ex-situ leed measurements
[AD-A232624] 15 p2505 N91-23880

GORDON, M. A.
Longwave spectral dependence of emission from warm dust clouds 06 p0895 N91-14945

GORDON, MARK S.
Second Mini-Conference on Key Problems in Silicon Chemistry
[AD-A235243] 18 p2965 N91-26366

GORDON, PETER C.
Perception and temporal properties of speech
[AD-A226958] 06 p0854 N91-14716

GORDON, R. G.
Optimization of transparent and reflecting electrodes for amorphous silicon solar cells
[DE91-002132] 15 p2458 N91-23618

GORDON, SANFORD
The Navy/NASA Engine Program (NNEP89): Interfacing the program for the calculation of complex Chemical Equilibrium Compositions (CEC)
[NASA-CR-187208] 24 p3962 N91-32141

GORDON, W. L.
Determination of surface resistance and magnetic penetration depth of superconducting YBa2Cu3O(7-delta) thin films by microwave power transmission measurements
[NASA-TM-103616] 01 p0132 N91-10780
Microwave properties of high transition temperature superconducting thin films
[NASA-CR-185842] 18 p3072 N91-26976

GORDON, WILLIAM E.
Historical overview of HF ionospheric modification research 10 p1547 N91-18510
The generation of ULF waves in the ionosphere 10 p1554 N91-18548

GORE, WARREN J. Y.
Cirrus cloud statistics: Temperatures and optical depths 01 p0078 N91-10466
Preliminary results of radiation measurements from the marine stratus FIRE experiment 01 p0091 N91-10529

GOREE, JAMES G.
Micro-mechanical analysis of damage growth and fracture in discontinuous fiber reinforced metal matrix composites
[NASA-CR-187020] 01 p0021 N91-10126
Micro-mechanical analysis of damage growth and fracture in discontinuous fiber reinforced metal matrix composites
[NASA-CR-188206] 16 p2589 N91-24346

GORENFLO, NORBERT
Examinations of inverse scattering problem for the scalar Helmholtz equation in the field of first order approximations for potentials with compact supports and safe real wave numbers
[ETN-91-98949] 11 p1696 N91-19339

GORETTA, K. C.
YBa2Cu3O(x) composites with improved toughness and strength
[DE90-011180] 01 p0132 N91-10782
High-temperature mechanical properties of SiC whisker reinforced Al2O3 composites
[DE91-004424] 07 p0970 N91-15324
Solid-particle erosion of aluminum/particulate ceramic composites
[DE91-006078] 09 p1319 N91-17241
Thermomechanical processing of YBa2Cu3O(x)/Ag sheathed wires
[DE91-006548] 09 p1417 N91-17799
Texture analysis of bulk YBa2Cu3O(x) by neutron diffraction
[DE91-006563] 09 p1417 N91-17802
Critical currents, magnetic relaxation, and microstructure in zone-melted YBa2Cu3O(x)
[DE91-006594] 09 p1418 N91-17807
Silver sheathing of high-Tc superconductor wires
[DE91-006557] 10 p1605 N91-18858
Silver-sheathed multifilament wires
[DE91-008107] 11 p1810 N91-19941
Practical superconductor development for electrical power applications
[DE91-010015] 14 p2337 N91-22919
Sintering and hot isostatic pressing of Bi2Sr2CaCu2O(x)
[DE91-010797] 15 p2516 N91-23945
Enhanced flux pinning by crystal defects in melt-textured YBa2CuO(x)
[DE91-011120] 17 p2873 N91-25889
Critical current and flux pinning by crystal defects in melt-textured YBa2Cu3O(x)
[DE91-011749] 17 p2874 N91-25895
Creep and diffusion in nonstoichiometric oxides
[DE91-013766] 20 p3329 N91-28435
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
Consolidation and plasticity of Bi-Sr-Ca-Cu-O superconductors
[DE91-015544] 21 p3599 N91-30028
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
Critical currents in melt-textured YBa2Cu3O(x)
[DE91-016523] 24 p4109 N91-32966

GORLA, RAMA S. R.
Navier-Stokes analysis of turbomachinery blade external heat transfer
[NASA-CR-188454] 16 p2626 N91-24544

GORMAN, PATRICK C.
User acceptance of intelligent avionics: A study of automatic-aided target recognition
[NASA-CR-177583] 17 p2824 N91-25601

GORNEY, DAVID J.
A sunspot maximum prediction using a neural network
[AD-A225866] 04 p0610 N91-13392
Solar cycle effects on the near-earth plasmas and space systems
[AD-A226870] 07 p1028 N91-15643
Solar cycle effects on the near-Earth space systems
[AD-A228037] 07 p1086 N91-15972

GORNITZ, V.
Vulnerability of the US to future sea level rise
[NASA-TM-105018] 19 p3186 N91-27617

GOROBETS, YU. I.
Effect of paramagnetic impurities on dynamics of magnetic fluxes in superconductors 11 p1789 N91-19816

GOROCH, A. K.
Algorithms for converting geodetic Earth location to satellite time and swath pixel coordinates for the DMSP satellite system
[AD-A237589] 21 p3534 N91-29638

GOROCH, ANDREAS K.
Cloud classification of DMSP visible and IR imagery using physical and textural features
[AD-A231186] 13 p2122 N91-21680

GORODISHER, ILYA
New non-linear optical polymers
[AD-A228746] 09 p1318 N91-17238

GOROSHKOVA, N. V.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment 18 p2932 N91-26175

GORRELL, STEVEN E.
An experimental study of exit flow patterns in a multistage compressor in rotating stall
[AD-A231353] 13 p2026 N91-21143

GORSKI, JOSEPH J.
Computation of incompressible flow around the DARPA SUBOFF bodies
[AD-A226481] 05 p0657 N91-13646

GORST, WAYNE
Going four-dimensional at a national laboratory
[DE91-004076] 07 p1049 N91-15761

GORTAN, C.
Long duration hyperbaric confinement: Hydra 9 15 p2450 N91-23571
Neutral buoyancy and microgravity: Extravehicular activities with a humid water suit 15 p2451 N91-23579

GORTER, JOHN D.
Palaeogeography of late Cambrian to early Ordovician sediments in the Amadeus Basin, central Australia 19 p3194 N91-27664
Ordovician sediments in the Waterhouse Range Anticline, Amadeus Basin, central Australia: Their interpretation and tectonic implications 19 p3195 N91-27665
Oolitic and pisolitic ironstones in the early Ordovician (Arenig) of the Amadeus Basin, central Australia 19 p3195 N91-27667
As the worm turns: Implications of bioturbation on source rocks of the Horn Valley Siltstone 19 p3195 N91-27668

GORTON, E. K.
The Boltzmann equation in gas discharges with some application to SF6
[RSRE-MEMO-4416] 07 p1066 N91-15862

GOSBEE, JOHN
Health maintenance facility: Dental equipment requirements 24 p4077 N91-32777
Dental equipment test during zero-gravity flight 24 p4078 N91-32778
Mini-rack testbed evaluation 24 p4078 N91-32779
Application and use of spinal immobilization devices in zero-gravity flight 24 p4078 N91-32781
ATLS: Catheter and tube placement 24 p4078 N91-32782
Evaluation of aerosolized medications during parabolic flight maneuvers 24 p4078 N91-32783
Transport suction apparatus and absorption materials evaluation 24 p4079 N91-32784
ATLS-stowage and deployment testing of medical supplies and pharmaceuticals 24 p4079 N91-32785
Evaluation of prototype Advanced Life Support (ALS) pack for use by the Health Maintenance Facility (HMF) on Space Station Freedom (SSF) 24 p4079 N91-32787
Venipuncture and intravenous infusion access during zero-gravity flight 24 p4079 N91-32788
Evaluation of cardiopulmonary resuscitation techniques in microgravity 24 p4079 N91-32789

GOSHAW, A. T.
Studies of interactions between elementary particles and nuclei
[DE91-012300] 18 p3062 N91-26912
High energy physics
[DE91-015796] 23 p3926 N91-31939

GOSINE, JAI
Cometary implications of the internal energy distributions of the C2 and C3 radicals produced in the photolysis of the C2H and C3H2 17 p2894 N91-25998

GOSINK, JOAN
The influence of the hydrologic cycle on the extent of sea ice with climatic implications
[NASA-CR-188716] 22 p3702 N91-30607

GOSLIN, JOSEPH
Runway Visual Range (RVR) Operational Test and Evaluation (OT and E)/integration test plan
[DOT/FAA/CT-TN91/4] 20 p3287 N91-28176

GOSS, ERNEST PRESTON
NASA Accounting and Financial Information System (NAFIS): A critical assessment of the systems development methodology 10 p1629 N91-18983

GOSS, L. P.
Combustion diagnostic development and application, volume 2
[AD-A231493] 14 p2243 N91-22405
Combustion diagnostic development and application, volume 1
[AD-A231667] 14 p2243 N91-22406

GOSS, W. MILLER
Radio astronomy 24 p4119 N91-33018

GOSSAGE, STEVEN A.
Performance and operational characteristics of a Fiber Distributed Data Interface (FDDI) ring
[DE90-016103] 01 p0111 N91-10649

GOSSARD, ARTHUR C.
High quality three dimensional electron gases in semiconductors
[AD-A232779] 15 p2420 N91-23406

GOSSARD, E. E.
Radar-measured height profiles of Cn(2) and turbulence dissipation rate compared with radiosonde data during October 1989 at Denver
[PB91-125500] 11 p1739 N91-19562

GOSSELIN, DAVE
Translating expert system rules into Ada code with validation and verification
[NASA-CR-187505] 18 p3043 N91-26800
GOSULA, R.
Optical shared memory system demonstration model
[AD-A226431] 05 p0651 N91-13612
GOSWAMI, D. Y.
A laser based technique for particle sizing to study two phase expansion in turbines
[DE91-014172] 20 p3357 N91-28595
GOSZ, M.
Effect of a viscoelastic interface on the transverse behavior of fiber-reinforced composites
[AD-A233986] 18 p2939 N91-26212
GOTO, N.
Theoretical analysis of discharges in copper vapor lasers: Comparison between Ne and He
[DE91-736781] 09 p1341 N91-17367
Development of long life pulse power supply for copper vapor laser
[DE91-736783] 09 p1341 N91-17368
Wavelength control of visible light laser diodes
[DE91-736784] 09 p1342 N91-17369
GOTO, YUKIHIRO
Characteristics of winter lightning currents struck an isolated tower 24 p4047 N91-32607
GOTOH, S.
Weak links within a Bi2Sr2Ca1Cu2O(x) single crystal by magnetization and direct optical observations
[DE91-016085] 23 p3933 N91-31979
GOTSIS, PASCAL K.
Combined thermal and bending fatigue of high-temperature metal-matrix composites: Computational simulation
[NASA-TM-104354] 15 p2393 N91-23247
GOTSKI, KENNETH A.
Adaptive filtering and smoothing for tracking a hypersonic aircraft from a space platform
[AD-A230603] 12 p1893 N91-20409
GOTT, CHARLES
In-flight crew training 09 p1281 N91-17044
GOTT, G. F.
HF systems operating beneath the ionosphere 24 p3982 N91-32244
GOTT, R. A.
Process and quality improvements for M7 propellant 16 p2577 N91-24285
GOTTESFELD, S.
The physical and chemical state of Westinghouse Phosphoric Acid Fuel Cell assemblies after long term operation: Surface and near-surface analysis
[DE90-015055] 01 p0063 N91-10382
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
Recent achievements in polymer electrolyte fuel cell (PEFC) research at Los Alamos National Laboratory
[DE91-013683] 20 p3369 N91-28661
Water transport properties of fuel cell ionomers
[DE91-016015] 23 p3811 N91-31259
Pseudohomogeneous catalyst layer model for polymer electrolyte fuel cell
[DE91-016014] 23 p3890 N91-31710
Modeling water content effects in polymer electrolyte fuel cells
[DE91-016027] 24 p4040 N91-32573
GOTTESMAN, STEPHEN T.
H I observations of the peculiar galaxy NGC 660 08 p1251 N91-16888
GOTTLICK, RICHARD C.
Optical storage system for shipboard supply documents
[AD-A225369] 03 p0428 N91-12397
GOTTLIEB, C.
Fundamental studies of carbenes and hydrocarbon radicals
[DE91-011029] 18 p2951 N91-26286
GOTTLIEB, D.
Quadrature imposition of compatibility conditions in Chebyshev methods
[NASA-CR-187458] 01 p0043 N91-10251
GOTTLIEB, DAVID
Spurious frequencies as a result of numerical boundary treatments
[NASA-CR-187457] 03 p0363 N91-12033
On one-sided filters for spectral Fourier approximations of discontinuous functions
[NASA-CR-187541] 13 p2143 N91-21801
GOTTLIEB, ROBERT G.
On the optimal use of fictitious time in variation of parameters methods with application to BG14
[NASA-CR-185650] 23 p3919 N91-31890
GOTTSCHALK, DIETER
Earth observation data service (EDS) 04 p0540 N91-12995
GOTTSTEIN, G.
Softening mechanisms and microstructural instabilities during high temperature, low cycle fatigue of Ni, Ni3Al, and their metal matrix composites
[DE91-012714] 20 p3304 N91-28287
GOTTWALD, JAMES A.
Aircraft interior noise reduction by alternate resonance tuning
[NASA-CR-186879] 02 p0266 N91-11488
Aircraft interior noise reduction by alternate resonance tuning
[NASA-CR-185453] 18 p3058 N91-26889
GOUBE, J. P.
A new need for mechanical test data analysis: An interactive software for manipulation and computation specification and example of implementation 07 p0959 N91-15281
GOUDA, NAOTERU
Microwave background anisotropies and the primordial spectrum of cosmological density fluctuations
[DE90-513791] 02 p0292 N91-11639
GOUDFROOIJ, PAUL
A spiral-like disk of ionized gas in IC 1459: Signature of a merging collision 08 p1251 N91-16889
GOUGE, M. J.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
Fueling of magnetically confined plasmas by single- and two-stage repeating pneumatic pellet injectors
[DE91-002635] 06 p0875 N91-14839
QUICKGUN: An algorithm for estimating the performance of two-stage light gas guns
[DE91-004973] 09 p1293 N91-17107
GOUGEON, MEADE
Structural properties of laminated Douglas fir/epoxy composite material
[NASA-RP-1236] 01 p0022 N91-10127
GOUGH, C. E.
Passive microwave devices using high temperature superconductors 05 p0723 N91-14036
GOUGH, R.
Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558
GOUHIN, PAT
STB-White
[NASA-CR-187012] 04 p0477 N91-12662
GOUIFFES, C.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
GOULAIN, M.
Noise inside aircraft fuselages subjected to airborne excitations
[REPT-911-111-104] 15 p2501 N91-23853
GOULD, CONSTANCE C.
Information needs in the sciences: An assessment 16 p2698 N91-24942
GOULD, J.
A non-linear method for the calculation of the power output of a rotating wind turbine
[BU-416] 11 p1728 N91-19512
GOULD, M. J.
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068
GOULD, MARSTON J.
Utilization of common pressurized modules on the Space Station Freedom
[NASA-TM-102779] 12 p1854 N91-20189
Method for optimal configuration of an ECLSS on the Space Station Freedom
[NASA-TM-104040] 12 p1932 N91-20631
GOULD, R.
Assessment of impact damage in toughened resin composites
[NAE-LTR-ST-1695] 21 p3469 N91-29236
Effect of fortifier on compression-after-impact strength of carbon fabric reinforced epoxy
[NAE-LTR-ST-1736] 21 p3469 N91-29237
GOULD, STEPHEN C.
Investigation of strain characteristics of graphite polyetherether ketone using a nonlinear analysis and experimental methods
[AD-A230527] 12 p1914 N91-20528
GOULD, W. JOHN
CTDO and nutrient data from Charles Darwin cruise 50 in the Iceland Faeroes region
[IOS-282-1991] 22 p3712 N91-30664
GOULDIN, F. C.
An experimental study of flamelet surfaces in turbulent combustion
[AD-A232342] 15 p2399 N91-23284
GOULDING, C. A.
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
GOULDING, J. R.
A neural network hybrid expert system
[DE91-009956] 14 p2310 N91-22765
Adaptive transfer functions
[DE91-009968] 19 p3173 N91-27544
GOULDING, R. H.
The effect of realistic antenna geometries on plasma loading predictions
[DE91-010782] 15 p2411 N91-23353
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
GOURDEAU, L.
Validation requirements for the Topex/Poseidon altimeter mission 15 p2454 N91-23602
GOURDIN, W. H.
Deformation behavior of pre-shocked copper as a function of strain rate and temperature
[DE91-015180] 21 p3531 N91-29620
GOURDINE, MEREDITH C.
Electromagnetic/electrothermal gun technology development
[AD-A236493] 19 p3109 N91-27174
GOURLAY, S.
Measurement of time dependent fields in high gradient superconducting quadrupoles for the Tevatron
[DE91-004975] 10 p1594 N91-18794
GOURLEY, P. L.
Characterization of semiconductor surface-emitting laser wafers
[DE91-001336] 06 p0832 N91-14598
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510
GOUSBET, G.
Quasi-elastic light scattering and applications to optical sizing 23 p3877 N91-31627
GOUTAGNY, L.
AFDM: An Advanced Fluid-Dynamics Model. Volume 1: Scope, approach, and summary
[DE90-016723] 01 p0041 N91-10239
AFDM: An Advanced Fluid-Dynamics Model. Volume 4: The AFDM heat- and mass-transfer solution algorithm
[DE90-017535] 01 p0041 N91-10240
GOUTEBROZE, P.
The chromospheric Lyman-alpha core emission of Altair 09 p1436 N91-17913
GOUTELARD, C.
Use or Reduction of Propagation and Noise Effects in Distributed Military Systems
[AGARD-CP-486] 22 p3658 N91-30362
Propagation Limitations for Systems Using Band-Spreading
[AGARD-LS-172] 24 p3982 N91-32241
GOUTHIERE, L.
Simulation expert system for physiological mechanisms of the space motion sickness 11 p1745 N91-19596
GOUTSIAS, JOHN
Stochastic simulation techniques for partition function approximation of Gibbs random field images
[AD-A238611] 21 p3558 N91-29775
GOUVEA, JOAO LUIZ
Application of remote sensing data integrated with a digital elevation model in the geobotanical research in the Carajas Mountains
[INPE-5189-PRE/1657] 14 p2284 N91-22630
GOUVEIA, FRANK
Analysis of meteorological data from three sites in the Northeastern United States for application of EPA AIRDOS code
[DE91-004982] 10 p1556 N91-18556
GOUZHVA, YURI G.
The national- and international-wide prospects of future improvements of position location and time synchronization systems and aids 17 p2858 N91-25800
GOVAERT, LEONARD EDUARD
Deformation behaviour of oriented polyethylene fibres
[ETN-91-99179] 14 p2250 N91-22451
GOVAERTS, PIERRE
Possible use of reliability and safety analyses from other technologies 14 p2219 N91-22268
GOVE, HARRY
The Cl-36 in the stratosphere 17 p2794 N91-25459
GOVINDAN, T. R.
Transport via moments of quantum distribution functions
[AD-A231182] 13 p2146 N91-21821
Quantum devices and structures
[AD-A235298] 18 p3074 N91-26989

GOVINDARAJAN, R.
Ultraviolet reflector materials for solar detoxification of hazardous waste
[DE91-002196] 21 p3539 N91-29663
GOVONI, JOHN W.
Sea ice observations from the winter Weddell Gyre study, 1989
[AD-A236036] 19 p3205 N91-27717
GOVORKOV, B. B., JR.
Stability theory of critical cases and the bifurcation points of the stationary solutions of the Lorenz model
[DE91-617575] 20 p3393 N91-28802
GOWARD, SAMUEL N.
Analysis of the boreal forest-tundra ecotone: A test of AVIRIS capabilities in the Eastern Canadian subarctic
[NASA-CR-187335] 06 p0843 N91-14655
GOWDY, VAN
Development of a crashworthy seat for commuter aircraft
[AD-A227486] 08 p1093 N91-15999
GOWER, G. L.
US areal wind resource estimates considering environmental and land-use exclusions
[DE91-004065] 07 p1031 N91-15659
Wind energy potential in the United States considering environmental and land-use exclusions
[DE91-017535] 24 p4041 N91-32577
GOYAL, AMBUJ
Likelihood ratio sensitivity analysis for Markovian models of highly dependable systems
[AD-A227992] 07 p1061 N91-15837
GOYANES, S. N.
Resonant method for the measurement of the glass transition temperature at high frequencies
[DE91-618684] 20 p3326 N91-28416
GRABELSKY, D. A.
Search for cold gas in clusters with and without cooling flows 05 p0749 N91-14174
GRABELSKY, DAVID
OSSE data flow and analysis
[AD-A236224] 19 p3168 N91-27515
GRABERT, GREGORY
Development of high Tc (greater than 110K) Bi, Tl and Y-based materials as superconducting circuit elements
[NASA-CR-188581] 18 p3068 N91-26948
GRABITZ, GEORG
Calculation of pulsating liquid free jets
[MPIS-15/1990] 11 p1704 N91-19385
GRABLE, MARK
CODEC test plan, phase 3
[AD-A230395] 12 p1832 N91-20068
GRABLE, MARKUS R.
Summary of the FAA low data rate voice CODEC evaluation and demonstration program
04 p0461 N91-12578
GRABOSKE, B. C.
The effects of climate change on the nitrogen cycle and acid deposition
[DE91-002785] 06 p0843 N91-14659
GRABOWSKI, ANTHONY JOSEPH
Current and potential distributions on a cylinder electrode
[DE91-000170] 02 p0207 N91-11161
GRACE, J. M.
Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801
GRADWOHL, BEN-AMI
A cosmic superfluid phase
[NASA-CR-188171] 15 p2529 N91-24016
GRADY, C. A.
A search for Beta Pictoris analogs
09 p1433 N91-17891
The very high rotators in the late-B and early-A stars: Shell stars with Si IV and C IV features the case of HD 119921 09 p1435 N91-17905
GRADY, D.
Shock-wave properties of high-strength ceramics
[DE91-014105] 20 p3329 N91-28439
GRADY, D. E.
Planar-shock and penetration response of ceramics
[DE91-004569] 07 p0986 N91-15410
Elastic wave dispersion in high-strength ceramics
[DE91-016648] 23 p3820 N91-31309
GRADY, JOSEPH E.
Low velocity impact analysis with NASTRAN
[NASA-TM-103169] 06 p0802 N91-14426
GRADY, WALTER A.
Do civil flying qualities requirements address military missions for off-the-shelf procurement
15 p2370 N91-23115
GRAEBER, CURTIS
Human-centered automation: Development of a philosophy 02 p0163 N91-10944
GRAEBNER, A.
Organisational aspects of assembly, integration and verification for Columbus 07 p0950 N91-15217
GRAESSER, E. J.
The relationship of traditional damping measures for materials with high damping capacity
[AD-A235347] 18 p3000 N91-26568
GRAESSLE, D. E.
q-Dependence of magnetic turbulence in a tokamak
[DE91-009679] 14 p2329 N91-22867
Measurement of molybdenum mirror reflectivities
[DE91-013318] 22 p3754 N91-30927
GRAETER, M.
Berne solar observations: Solar data for January - June 1990
[REPT-57] 03 p0449 N91-12507
GRAETTINGER, T. M.
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
GRAF, JUTTA
Simulation of the formation and transport of ozone in the atmospheric boundary layer
[DLR-FB-90-25] 05 p0688 N91-13827
GRAF, U. U.
Detection of an isotopic short submillimeter CO line: Column densities of warm gas in molecular clouds
[MPE-PREPRINT-178] 11 p1817 N91-19976
GRAF, W.
Liquid phase sintering (TEXUS 19) ESA
23 p3846 N91-31446
Bubble formation, growth, and expansion during the liquid phase sintering of a WC-Co sample
23 p3848 N91-31454
GRAF, WALTER H.
Velocity distribution in unsteady flow over gravel-beds
12 p1897 N91-20433
Steady gradually accelerating flow in a smooth open channel 12 p1897 N91-20434
Decelerating flow in a gravel bed flume
12 p1897 N91-20435
Fully coupled unsteady mobile boundary flow model (FCMOBED) 12 p1898 N91-20436
Study of seasonal variation of mixing phenomena in the hypolimnion of Lake Geneva (Switzerland)
12 p1898 N91-20438
Horizontal turbulent mixing dynamics on large-scale and fine-scale in Lake Geneva 12 p1898 N91-20439
GRAFF, STEPHEN M.
Nuclear and astrophysical implications of proton capture on Si-28 03 p0437 N91-12447
GRAFTON, D. A.
Design of a twenty-element long focal length zoom lens
[DE91-010770] 15 p2508 N91-23894
GRAFTON, SUE B.
Multiaxis thrust vectoring using axisymmetric nozzles and postexit vanes on an F/A-18 configuration vehicle
[NASA-TM-101741] 14 p2188 N91-22083
GRAHAM, CHARLES
Further studies of 60 Hz exposure effects on human function
[DE91-000868] 04 p0552 N91-13062
GRAHAM, J. M. R.
Computation of viscous supersonic flows
06 p0772 N91-14283
GRAHAM, MARC H.
Rationale for SQL Ada module description language SAMeDL
[AD-A235780] 19 p3222 N91-27810
The SQL Ada module description language SAMeDL
[AD-A235781] 19 p3222 N91-27811
GRAHAM, R. A.
Shock-induced chemical reactions and synthesis of binary compounds
[DE91-004296] 07 p0976 N91-15355
Shock response of Detasheet
[DE91-010923] 18 p2970 N91-26399
Shock compression of DuPont detasheet at low stress
[DE91-013229] 20 p3330 N91-28443
GRAHAM, R. L.
Short-rotation woody crop opportunities to mitigate carbon dioxide buildup
[DE90-016526] 01 p0067 N91-10406
GRAHAM, RICHARD C.
Ozone dosimetry predictions for humans and rats
[PB91-113852] 09 p1361 N91-17479
GRAHAM, ROBIN L.
Greenhouse gas emissions in Sub-Saharan Africa
[DE91-005629] 09 p1361 N91-17482
GRAHAM, T. A.
Simulated rotor test apparatus dynamic characteristics in the 80- by 120-foot wind tunnel
[NASA-TM-102870] 07 p0939 N91-15147
GRAINGER, JOHN L.
Method and apparatus for characterizing residual stress in ferromagnetic materials
[NASA-CASE-LAR-14239-1] 05 p0636 N91-13527
GRALLERT, H.
Multiwall thermal protection system engineering aspects 03 p0331 N91-11847
GRAMANN, RICHARD ANTHONY
Dynamics of separation and reattachment in a Mach 5 unswept compression ramp flow
06 p0771 N91-14276
GRAMOLL, KURT C.
An overview of self-consistent methods for fiber-reinforced composites
[NASA-TM-103713] 11 p1675 N91-19232
GRAMS, G.
Sub-visual Cirrus detection and characterization
01 p0082 N91-10486
GRAMSCH, E.
Liquid and solid Ga and Bi studies with a variable energy positron beam
[DE91-016910] 24 p4096 N91-32889
GRANAAS, MICHAEL M.
Enhancing the usability of CRT displays in test flight monitoring 12 p1947 N91-20709
GRANATSTEIN, V. L.
Microwave generation for magnetic fusion energy applications, task B
[DE90-011079] 08 p1227 N91-16763
Microwave generation for magnetic fusion energy applications, task C
[DE90-011080] 08 p1227 N91-16764
An energy recovery system for a quasi-optical gyrotron
[DE91-008317] 11 p1699 N91-19357
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
Microwave generation for magnetic fusion energy applications
[DE91-008280] 12 p1983 N91-20912
Experimental and theoretical studies of high power plasma filled backward wave oscillators
[AD-A231782] 14 p2259 N91-22500
GRAND, D.
Large-eddy simulation of the turbulent flow in the downstream region of a backward facing step
23 p3867 N91-31568
GRANDE, D. H.
Structural characterization of high temperature composites
[NASA-CR-187220] 24 p3970 N91-32180
GRANDE, MAURIZIO
Magnetic cleanliness verification approach on tethered satellite 11 p1662 N91-19158
GRANDI, STEVEN A.
Interacting nuclei in distant galaxies
08 p1252 N91-16894
GRANDIN, GUSTAV
Evaluation of a wind profile model
[FOA-E-40045-4.5] 05 p0690 N91-13839
GRANDO, J.
FD-TD calculation with composite materials. Application to C160 aircraft measurements
24 p4052 N91-32637
FD-TD numerical simulation of an entire lightning strike on the C160 aircraft 24 p4054 N91-32648
GRANITZ, ANDREA B.
Automatic information processing and high-performance skills: Applications to training, transfer, and retention
[AD-A235537] 19 p3218 N91-27789
GRANNEN, K. J.
Oxidation studies of fluorine containing diamond films
[AD-A232696] 15 p2407 N91-23328
GRANROTH, L. J.
Whistlers in Neptune's magnetosphere: Evidence of atmospheric lightning
[NASA-CR-187324] 02 p0293 N91-11642
GRANRYD, E.
Thermal performance analysis for heat exchangers using nonazeotropic refrigerant mixtures
[DE90-016030] 02 p0212 N91-11186
Advantages of enthalpy-temperature diagrams for nonazeotropic refrigerant mixtures
[DE91-016774] 24 p4113 N91-32991
GRANSTAFF, V. E.
Using quartz crystal microbalances to simultaneously sense mass accumulation and solution properties
[DE91-011501] 21 p3518 N91-29537

GRANT, ANDREW IAN
Remote sensing system
[EP-PATENT-0-324-583-A2] 07 p1022 N91-15611
GRANT, D.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
GRANT, DONALD BRUCE
Combination of terrestrial and GPS data for Earth deformation studies in New Zealand
09 p1362 N91-17487
GRANT, EDWARD R.
Production and characterization of high-energy hypervalent hydrides
[AD-A230094] 12 p1872 N91-20290
GRANT, KENNETH J.
Investigation at two wavelengths of a modulated He-Xe rare gas laser
[AD-A229852] 11 p1713 N91-19434
A laser ECM and ESM facility
[AD-A236021] 19 p3108 N91-27170
GRANT, N. J.
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
GRANT, P. M.
Practical identification of NARMAX models using radial basis functions
[RR-393] 07 p1060 N91-15829
A recursive hybrid algorithm for non-linear system identification using radial basis function networks
[RR-422] 22 p3745 N91-30870
GRANTHAM, WILLIAM L.
NASA future mission needs and benefits of controls-structures interaction technology
[NASA-TM-104034] 14 p2225 N91-22305
GRANVEAUD, MICHEL P.
GPS time transfer with implementation of selective availability 17 p2852 N91-25766
GRANZOW, WOLFGANG
Examination of prediction coding of speech signals with multipulse excitation functions
[ETN-90-98186] 04 p0516 N91-12872
GRASDALEN, GARY
Optical/IR from ground 24 p4119 N91-33020
GRASDALEN, GARY L.
High spatial-resolution IRAS images of M51
05 p0756 N91-14207
GRASS, R. D.
Total ozone, ozonesonde, and Umkehr observations for satellite ozone data validation 11 p1732 N91-19525
Dobson spectrophotometer, ECC ozonesonde, and ground-based NOAA SBUV-2, S/N satellite instrument comparison ozone observations
[PB91-142299] 14 p2268 N91-22549
GRASSI, G.
Simulated absence of gravity impairs arterial baroreceptor control of heart rate in man
11 p1746 N91-19599
GRASSL, H.
Higher accuracy requirements for the satisfactory position calculation of an artificial satellite
[GKSS-90/E/25] 15 p2386 N91-23203
GRASSL, HARTMUT
Backscatter lidar: The potential of a space-borne lidar for operational meteorology, climatology and environmental research. Report to the ATLID consultancy group
[ESA-SP-1121] 03 p0392 N91-12182
GRASZ, E. L.
Application of telerobotic control to remote processing of nuclear material
[DE91-016562] 24 p4026 N91-32501
GRAT, R.
Contact angle determination procedure and detection of an invisible surface film 12 p1859 N91-20212
GRATCHEV, V.
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
GRATCHOV, V.
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988)
11 p1742 N91-19577
GRATE, JAY W.
Flexural plate wave devices for chemical analysis
[AD-A234129] 18 p2946 N91-26254
Surface acoustic wave vapor sensors based on resonator devices
[AD-A235797] 19 p3157 N91-27456
GRATTAN, K. T. V.
Fibre optic anemometry using an optical delay cavity technique
[ETN-90-97966] 03 p0418 N91-12341
GRATZ, ROY F.
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-3] 09 p1301 N91-17141
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-4] 17 p2744 N91-25185
GRATZER, LOUIS B.
Natural laminar flow application to transport aircraft
04 p0594 N91-13314
GRAVE, ALAIN
Pyrotechnical safety of Aerospatiale tactical missiles: Application to conventional warhead
[REPT-911-320-101] 15 p2374 N91-23139
GRAVE, I.
Fundamental limits to performance of quantum well infrared detectors 06 p0796 N91-14397
GRAVER, L.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
GRAVES, CHARLES E.
Analysis of energy balance models using the ERBE data set
[NASA-CR-188002] 12 p1926 N91-20596
GRAVES, G. A.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
GRAVES, MICHAEL J.
Composite fuselage technology
[NASA-CR-187658] 05 p0621 N91-13446
GRAVES, PHILIP LEE
The effect of inertial coupling in the dynamics and control of flexible robotic manipulators
[NASA-CR-187679] 05 p0669 N91-13721
GRAVES, PHILLIP JOHN
Laser scattering of spherical particles where particle diameter is approximately equal to the wavelength as a test of Mie theory using a polar nephelometer: Design, construction, calibration, laboratory and field analyses
17 p2807 N91-25516
GRAVES, R. L.
Low heat rejection diesel ceramic coupon tests
[DE91-000737] 07 p0984 N91-15401
The Federal methanol fleet: Summary of technical data
[DE91-006608] 10 p1507 N91-18292
Low heat rejection diesel ceramic coupon tests
[DE91-006274] 15 p2405 N91-23318
GRAVES, R. S.
Thermal properties of polyisocyanurate foam board insulation blown with CFC-11 substitutes
[DE90-016047] 11 p1676 N91-19240
GRAVES, THOMAS JOSEPH
Two fault tolerant toggle-hook release
[NASA-CASE-MSC-21671-1] 24 p4026 N91-32498
GRAY, B.
Radiation effects on JFETs (Junction Field-Effect Transistors), MOSFETs, and dipolar transistors, as related to SSC circuit design
[DE91-001486] 05 p0652 N91-13618
GRAY, D. D.
Theoretical and numerical studies of constitutive relations for frictional granular flow
[DE90-009662] 02 p0214 N91-11194
GRAY, D. L.
Delta VLBI data performance in the Galileo spacecraft Earth flyby of December 1990 24 p3987 N91-32274
GRAY, DAVID L.
A field-deployable digital acoustic measurement system 15 p2541 N91-24078
GRAY, E. R.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867
GRAY, G. T., III
Deformation substructures induced by high-rate deformation
[DE91-008595] 13 p2051 N91-21288
Bauschinger effect during shock loading
[DE91-014606] 20 p3364 N91-28634
Dynamic behavior of fully dense molybdenum
[DE91-014902] 21 p3480 N91-29304
Dynamic strength and strain rate effects on fracture behavior of tungsten and tungsten alloys
[DE91-013029] 23 p3814 N91-31275
Influence of loading rate on the mechanical response and substructure evolution of shock-loaded copper
[DE91-013390] 23 p3814 N91-31276
GRAY, GEORGE ROBERT
Noise in semiconductor lasers
16 p2631 N91-24567
GRAY, GEORGE T., III
High strain rate deformation behavior of shocked copper
[DE90-016481] 01 p0027 N91-10161
Mechanical and microstructural response of Ni3Al at high strain rate and elevated temperatures
[DE90-016489] 01 p0027 N91-10162
The influence of shock pre-strain and peak pressure on spall behavior of 4340 steel
[DE90-016612] 01 p0027 N91-10164
Shock experiments in metals and ceramics
[DE90-016613] 01 p0028 N91-10165
Influence of strain rate on the structure/property of Ti-48Al-1V
[DE91-000172] 08 p1114 N91-16122
GRAY, H. L.
Approximating tail probabilities of noncentral distributions
[AD-A226426] 09 p1392 N91-17660
Statistical examination of climatological data relevant to global temperature variation
[DE91-007881] 11 p1735 N91-19540
Some remarks on compliance testing
[AD-A231936] 15 p2461 N91-23635
GRAY, HENRY F.
Improved gas laser and pumping method therefor using a field emitter array
[AD-D014762] 12 p1905 N91-20478
GRAY, HUGH R.
Advanced high temperature engine materials technology program 12 p1839 N91-20110
GRAY, I. D.
Research into a mission management aid
04 p0484 N91-12693
GRAY, J.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
GRAY, JEFF T.
The vertical Van de Graaff telemetry system
[DE91-001960] 06 p0790 N91-14370
GRAY, K. E.
Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801
Tunneling spectroscopy measurements on low-leakage junctions of Nd(1.85)Ce(0.15)CuO(4-y) and Ba(1-x)K(x)BiO3
[DE91-006585] 09 p1418 N91-17806
Dissipation in high-temperature superconductors in a magnetic field
[DE91-006596] 09 p1418 N91-17808
Flux pinning and dissipation in high-temperature superconductors
[DE91-014466] 20 p3432 N91-29042
GRAY, L. F.
Boundary integral equations and the Dirichlet problem
[DE91-004537] 11 p1783 N91-19779
GRAY, L. J.
Electroplating corners
[DE90-017023] 01 p0033 N91-10195
GRAY, R.
Proposed preparative techniques for manufacture of marine dye marker
[MRL-TN-583] 14 p2190 N91-22097
GRAY, ROSS T.
A novel approach to determine the heat transfer coefficient in directional solidification furnaces
[NASA-CR-187648] 06 p0884 N91-14885
GRAY, THOMAS H.
Aircrew part-task training research and development in the 1980s: Lessons learned
[AD-A239456] 24 p4077 N91-32773
GRAY, WILLIAM M.
An observational analysis of tropical cyclone recurvature
[ASP-480] 22 p3711 N91-30651
GRAYSON, MATTHEW A.
The simultaneous integration of many trajectories using nilpotent normal forms
[NASA-CR-187318] 05 p0708 N91-13950
GRAYZECK, EDWIN J.
Minutes of the CD-ROM Workshop
[NASA-TM-105066] 22 p3723 N91-30720
GRAZIANI, F.
Chaotic inflation and the omega problem
[DE91-006253] 10 p1617 N91-18917
GRAZIANI, R. A.
Heat transfer in rotating serpentine passages with trips normal to the flow
[NASA-TM-103758] 11 p1715 N91-19443

GRDINA, D. J.
Protection by WR-2721 and WR-151327 against late effects of gamma rays and neutrons
[DE90-017792] 02 p0243 N91-11352
GREAVES, G. N.
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011
GREAVES, ROD G.
Current collection by high voltage anodes in near ionospheric conditions 09 p1403 N91-17724
GREBE, A.
Shock-induced chemical reactions and synthesis of binary compounds
[DE91-004296] 07 p0976 N91-15355
GREBOGI, C.
The study of effects of small perturbations on chaotic systems
[DE91-007320] 11 p1785 N91-19792
GREBOWSKY, JOE M.
Observations of thermal ion influxes about the space shuttle 09 p1404 N91-17727
GRECI, ANTHONY M.
Optically linked EHF antenna array
[AD-A226101] 04 p0515 N91-12865
GRECO, STEVEN
Trace gas and aerosol transports into and out of the Amazon Basin
[NASA-CR-188786] 22 p3704 N91-30613
GREDEL, JOERG
ERS-1: The first European remote sensing satellite. A payload mission, ground station, standard products, and user service outline 04 p0540 N91-12993
GREELEY, R.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
GREELEY, RONALD
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
Sand and Dust on Mars
[NASA-CP-10074] 18 p3085 N91-27057
Wind abrasion on Mars 18 p3086 N91-27064
Saltation threshold reduction due to the electrostatic agglomeration of fine particles 18 p3087 N91-27071
Martian dust threshold measurements: Simulations under heated surface conditions
18 p3089 N91-27081
GREEN, ANDREW A.
Report of the panel on international programs
13 p2107 N91-21599
GREEN, CORDELL
Automated design of displays for technical data
[AD-A226729] 08 p1198 N91-16586
GREEN, D. A.
Turbo Pascal/GEM software interface for scientific graph preparation
[AD-A236825] 19 p3231 N91-27860
GREEN, D. J.
Fracture behavior of surface-modified ceramics
[DE91-008841] 12 p1877 N91-20317
GREEN, DAN
Dijet spectroscopy at high luminosity
[DE90-016901] 01 p0025 N91-10147
GREEN, E. R.
Materials property measurements
[DE91-005612] 10 p1537 N91-18459
GREEN, ERIC
Development of an onboard strain recorder
[AD-A231908] 14 p2267 N91-22543
GREEN, G. R.
Predicting F-14 Air Combat Maneuvering (ACM) performance using an automated battery of cognitive/psychomotor tests
[AD-A228593] 13 p2023 N91-21128
GREEN, H. J.
Conceptual design of an Open-Cycle Ocean Thermal Energy Conversion Net Power-Producing Experiment (OC-OTEC NPPE)
[DE90-000304] 02 p0229 N91-11282
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501
GREEN, HERBERT J.
Carbon dioxide release from Ocean Thermal Energy Conversion (OTEC) cycles
[DE89-009504] 05 p0685 N91-13809
GREEN, JAMES L.
SPAN security policies and guidelines
[NASA-TM-105071] 22 p3726 N91-30741
Space physics analysis network node directory (The Yellow Pages): Fourth edition
[NASA-TM-105068] 22 p3764 N91-30983
The 1990 annual statistics and highlights report
[NASA-TM-105042] 22 p3778 N91-31075
GREEN, JAMES M.
Flow visualization of a rocket injector spray using gelled propellant simulants
[NASA-CR-187142] 16 p2581 N91-24306
GREEN, JOHN A.
Comparisons of elastic and rigid blade-element rotor models using parallel processing technology for piloted simulations
[NASA-TM-102859] 24 p3948 N91-32071
GREEN, JOHN L.
The application of laser speckle interferometry to measure strain at elevated temperatures and various loading rates
[AD-A225583] 04 p0536 N91-12972
GREEN, L. G.
The effects of HMX particle size and binder stiffness on the burning mechanism and regression rate of a series of fast burning propellants
[DE91-015785] 21 p3494 N91-29387
GREEN, LAWRENCE L.
Wall-interference assessment and corrections for transonic NACA 0012 airfoil data from various wind tunnels
[NASA-TP-3070] 12 p1827 N91-20043
GREEN, M. A.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
Ferromagnetic material in the superconductor and its effect on the magnetization sextupole and decapole in the SSC dipoles at injection
[DE91-011886] 20 p3424 N91-28993
The ASTROMAG superconducting magnet facility configured for a free flying satellite
[DE91-014710] 21 p3463 N91-29204
A study of copper segregation in sputtered Al-Si-Cu films using Auger electron spectroscopy
[AD-A238130] 21 p3482 N91-29316
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
GREEN, M. C.
A liquid nitrogen cooled superconductive electron beam focusing system for improved performance ECM helix traveling wave tubes 05 p0725 N91-14047
GREEN, P. R. S.
Micronektonic biomass in the North Atlantic
[IOS-280-1990] 22 p3712 N91-30662
GREEN, PETER
Translating expert system rules into Ada code with validation and verification
[NASA-CR-187505] 18 p3043 N91-26800
GREEN, ROBERT D.
RSM 1.0 user's guide: A resupply scheduler using integer optimization
[NASA-TM-104380] 14 p2310 N91-22766
GREEN, ROBERT E., JR.
Full field visualization of surface and bulk acoustic waves
[AD-A227676] 08 p1213 N91-16678
Acousto-ultrasonic nondestructive evaluation of materials using laser beam generation and detection
10 p1487 N91-18193
GREEN, ROBERT P.
Cataract surgery and intraocular lenses in USAF aviators 17 p2827 N91-25616
GREEN, ROBERT P., JR.
Choroidal nevi in USAF aviators
[AD-A233042] 16 p2663 N91-24735
Medical management of combat laser eye injuries
17 p2827 N91-25619
GREEN, S.
IGES efficiency evaluation
[DE90-015192] 02 p0254 N91-11409
GREEN, SCOTT
The cleanroom case study in the Software Engineering Laboratory: Project description and early analysis
[NASA-TM-103390] 09 p1379 N91-17584
GREEN, STEVEN M.
Time-based operations in an advanced ATC environment 02 p0165 N91-10958
A piloted simulator evaluation of a ground-based 4-D descent advisor algorithm 02 p0176 N91-11000
Airborne four-dimensional flight management in a time-based air traffic control environment
[NASA-TM-4249] 10 p1468 N91-18096
GREENAWAY, A. H.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
GREENBAUM, A.
Laplace's equation and the Dirichlet-Neumann map in multiply connected domains
[DE91-011069] 17 p2846 N91-25733
GREENBAUM, E.
Photobiotechnology: Algal hydrogen production and photoconductivity of metalized chloroplasts
[DE91-013232] 20 p3379 N91-28718
Hydrogen productivity by photosynthetic water splitting
[DE90-012211] 21 p3492 N91-29380
GREENBERG, J. MAYO
Interstellar circular polarization and the dielectric nature of dust grains 06 p0888 N91-14905
New insights in the photochemistry of grain mantles: The identification of the 4.62 and 6.87 micron bands
06 p0897 N91-14957
Molecular and mass spectroscopic analysis of isotopically labeled organic residues
06 p0898 N91-14961
Diffusion and infrared properties of molecules in ice mantles 06 p0898 N91-14963
The evolution of organic mantles on interstellar grains
06 p0898 N91-14964
Grains in galactic haloes 06 p0901 N91-14984
Scattering by fluffy grains 06 p0903 N91-14992
A comparative study of the continuum and emission characteristics of comet dust. 1: Are the silicates in Comet Halley and Kohoutek amorphous or crystalline
06 p0906 N91-15005
The dust in the coma of Comet Halley
10 p1621 N91-18943
GREENBERG, M. R.
High threshold HR (Highly Reflective) coatings at 1064 nm
[DE91-006236] 10 p1528 N91-18415
GREENBERG, R.
Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000
GREENBLATT, M.
Synthesis, transport, and microstructural properties of Nd(1.85)Ce(0.15)CuO(4-delta)
[AD-A225049] 03 p0359 N91-12011
Magnetic properties of the electron-doped superconductor Nd(2-x)Ce(x)CuO(4-delta)
[AD-A225050] 03 p0423 N91-12365
Chemistry and superconductivity in thallium-based cuprates
[AD-A225051] 03 p0423 N91-12366
GREENDYKE, ROBERT B.
Calculation of convective and radiative heating on the forebody heatshield of the aeroassist flight experiment vehicle
[NASA-TM-104103] 19 p3162 N91-27486
GREENE, A.
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
GREENE, A. E.
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Computational simulations of plasma flow switches and imploding loads
[DE91-014768] 21 p3509 N91-29480
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955
GREENE, DAVID L.
Energy efficiency improvement potential of commercial aircraft to 2010
[DE90-014767] 01 p0008 N91-10046
Commercial aircraft fuel efficiency potential through 2010
[DE91-000720] 04 p0479 N91-12671
GREENE, E. F.
Interactions of molecules with surfaces
[DE91-014498] 20 p3402 N91-28857
GREENE, ERIC
Use of fiber reinforced plastics in the marine industry
[AD-A230414] 12 p1862 N91-20232
GREENE, FRANCIS A.
An upwind-biased space marching algorithm for supersonic viscous flow
[NASA-TP-3068] 10 p1522 N91-18381
GREENE, MICHAEL E.
The design of optical sensor for the pinhole/occulter facility
[NASA-CR-187694] 06 p0872 N91-14825
GREENE, RONALD L.
Classification of underwater acoustic transients by artificial neural networks
[AD-A230081] 12 p1927 N91-20603

GREENFIELD, C. M.
A multi-laser system for a fast sampling Thomson scattering diagnostic
[DE91-002708] 05 p0667 N91-13705
A silicon avalanche photodiode detector circuit for Nd:YAG laser scattering
[DE91-002709] 05 p0667 N91-13706
A compact, low cost, 7 channel polychromator for Thomson scattering measurements
[DE91-002719] 05 p0721 N91-14024
A real-time digital control, data acquisition and analysis system for the DIII-D multipulse Thomson scattering diagnostic
[DE91-002720] 05 p0721 N91-14025
GREENFIELD, STUART
Droplet-turbulence interactions in subcritical and supercritical evaporating sprays
20 p3296 N91-28228
GREENGARD, L.
Laplace's equation and the Dirichlet-Neumann map in multiply connected domains
[DE91-011069] 17 p2846 N91-25733
GREENGROVE, CHERYL L.
Northern California coastal circulation study: Results of the pilot program: Executive summary
[PB90-261660] 09 p1369 N91-17523
Northern California coastal circulation study: Results of the pilot program
[PB90-261678] 09 p1369 N91-17524
GREENHALGH, S. A.
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin 19 p3192 N91-27650
GREENHALL, CHARLES A.
Local oscillator induced degradation of medium-term stability in passive atomic frequency standards
17 p2857 N91-25798
GREENHILL, L. M.
Modeling of rolling element bearing mechanics
[NASA-CR-188045] 13 p2094 N91-21530
GREENHILL, LINCOLN JARED
Observations of extragalactic water vapor masers
20 p3445 N91-29117
GREENHUT, DARLENE D.
Request Generation 2 mission planning and scheduling 12 p1941 N91-20676
GREENLAND, D.
Climate variability and ecosystem response: Proceedings of a Long-Term Ecological Research Workshop
[PB91-119180] 13 p2113 N91-21632
GREENLEAF, JOHN E.
Physiological responses to prolonged bed rest in humans: A compendium of research, 1981-1988
[NASA-TM-102249] 05 p0694 N91-13862
GREENLY, G. D., JR.
Scientific visualization software for your PC: Free and available now
[DE91-010156] 15 p2483 N91-23744
GREENMAN, W. B.
A catalog of high resolution Jovian decametric radio noise burst spectra, volume 1 18 p3083 N91-27047
GREENO, JAMES G.
Functional knowledge in problem solving
[AD-A228694] 09 p1390 N91-17648
GREENSPAN, E.
Liquid-metal MHD power conversion for space electric systems
[SER-S/27] 15 p2390 N91-23231
Turbulence and the feasibility of self-cooled liquid-metal blankets for fusion reactors
[SER-10/P-REV] 15 p2510 N91-23910
GREENTHANER, NANCY K.
Operation and performance of the Ciba-Corning 512 coagulation monitor during parabolic flight
24 p4078 N91-32780
GREENWALD, ANTON C.
MOCVD of lead-germanate for non-volatile RAMs, phase 1
[AD-A230014] 12 p1986 N91-20928
GREENWOLL, D. A.
An evaluation of monochrome solid-state video cameras
[DE91-012368] 20 p3348 N91-28543
Laboratory test results of solid state video cameras
[DE91-016189] 24 p4006 N91-32399
GREENWOOD, DAN
Space shuttle main engine fault detection using neural networks 12 p1965 N91-20816
Neural networks and robotics applied to the non-destructive inspection of aircraft
[AD-A238312] 21 p3530 N91-29609
GREENWOOD, J. A.
Basic mechanisms of diesel lubrication correlation of bench and engine tests
[AD-A237685] 21 p3527 N91-29596
GREFEN, PAUL W. P. J.
PRISMA/DB 1.0 user manual
[MEMO-INF-91-06] 22 p3769 N91-31017
GREFENSTETTE, JOHN J.
User's guide for SAMUEL, version 1.3
[AD-A235611] 19 p3213 N91-27759
GREGAR, J. S.
Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378
GREGER, GOTTFRIED
Projects of the European space travel program
04 p0491 N91-12728
GREGG, W. W.
Analysis of error in TOMS total ozone as a function of orbit and attitude parameters
[NASA-CR-4361] 13 p2121 N91-21670
GREGOIRE, G.
Nonparametric estimation in change-point hazard rate models for censored data: A counting process approach
[RR-836-I-AND-M] 15 p2496 N91-23825
GREGOREK, G. M.
A hypersonic research vehicle to develop scramjet engines 10 p1482 N91-18167
An experimental investigation of the effect of vortex generators on the aerodynamic characteristics of a NACA 0021 airfoil undergoing large amplitude pitch oscillations
[DE91-012102] 20 p3279 N91-28133
GREGORINI, L.
Dumb-bell galaxies in southern clusters: Catalog and preliminary statistical results 08 p1252 N91-16896
GREGORIS, G.
Digital ASIC design for space applications
24 p3991 N91-32300
Qualification strategy for multi-chip packaging for space applications 24 p3993 N91-32312
GREGORY, D. C.
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
GREGORY, D. L.
Experimental laboratory system to generate high frequency test environments
[DE91-008252] 13 p2104 N91-21583
GREGORY, DANNY L.
Composite slip table of dissimilar materials for damping longitudinal modes
[DE90-015128] 02 p0190 N91-11064
GREGORY, DON A.
Evaluation of a ferroelectric liquid crystal spatial light modulator
[AD-A232117] 15 p2508 N91-23899
GREGORY, E.
A characterization of internal-Sn Nb3 Sn superconductors for use in the Proof of Priciples (PoP) coil
[DE91-001743] 06 p0879 N91-14852
GREGORY, GERALD L.
Airborne sulfur trace species intercomparison campaign: Sulfur dioxide, dimethylsulfide, hydrogen sulfide, carbon disulfide, and carbonyl sulfide 17 p2796 N91-25464
GREGORY, JOHN C.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970
LDEF attitude measurement using a pinhole camera with a silver/oxygen atom detector 16 p2706 N91-24973
The interactions of atmospheric cosmogenic radionuclides with spacecraft surfaces
16 p2707 N91-24982
Chemical analysis of metal and polymer surfaces on the front and rear LDEF 16 p2714 N91-25023
Interactions of atomic oxygen with material surfaces in low Earth orbit: Preliminary results from experiment A0114 16 p2714 N91-25025
GREGORY, RUTH
Multi-dimensional tunnelling and complex momentum
[NASA-CR-188445] 16 p2685 N91-24868
Tunnelling from non-localised initial states
[NASA-CR-188444] 16 p2685 N91-24869
GREGORY, TERRI
An inventory of four-dimensional data sets for the earth sciences
[NASA-CR-184082] 09 p1353 N91-17434
GREGSON, P. J.
Precipitation reactions in 8090 SiC particulate reinforced MMC
[RAE-TR-90040] 10 p1494 N91-18221
GREICHEN, K. R.
X ray-computed tomography for inspecting industrial parts
[DE91-011390] 18 p2997 N91-26554
GREIERT, ALFRED H.
Removable slider shoe for a translating sleeve used on a jet engine cowl and duct
[PATENT-1-247-868] 23 p3797 N91-31177
GREINER, G.
Adjoints of semigroups acting on vector-valued function spaces
[CWI-AM-R9018] 17 p2843 N91-25709
GREINER, HELEN
An architectural approach to create self organizing control systems for practical autonomous robots
12 p1936 N91-20652
Passive and active grasping with a prehensile robot end-effector
[AD-A235085] 18 p2995 N91-26539
GREINER, N. R.
Kinetics of dark reaction in chemical laser gases
[DE91-015320] 21 p3525 N91-29579
GREINER, THOMAS M.
An assessment of long-term changes in anthropometric dimensions: Secular trends of US Army males
[AD-A230416] 12 p1933 N91-20636
GREINER, TOM
Hypersonic aircraft design
[NASA-CR-187008] 04 p0477 N91-12661
GREINER, W.
SDI: Statistical Dynamic Interactions
[DE91-012034] 20 p3397 N91-28827
GREITZER, E.
Air Force Research in Aero Propulsion Technology (AFRAPT)
[AD-A229612] 22 p3620 N91-30140
GREMILLION, M. A. V.
Linking structure and function: Information processing in the brain
[DE91-009946] 14 p2300 N91-22711
GREMILLON, P.
Hypermedia tool for operational procedure: Creation and utilization 14 p2221 N91-22278
GREN, PER
Pilot study of the dynamic impact response of a composite plate
[FFA-TN-1990-27] 08 p1106 N91-16070
GRENDER, J. M.
Theory and derivation for Weibull parameter probability weighted moment estimators
[PB91-124495] 12 p1972 N91-20848
GRENFELL, T. C.
Microwave signatures and physical characteristics of snow covered and desalinated young sea ice
[AD-A230736] 12 p1918 N91-20550
GRENSING, FRITZ
XD(TM) reinforced beryllium-based composites
[AD-A233587] 16 p2590 N91-24355
GRESH, DONNA LEIGH
Voyager radio occultation by the Uranian rings: Structure, dynamics, and particle sizes
[NASA-CR-188539] 17 p2916 N91-26099
GRESILLON, D.
Laser Fourier densitometry and laser induced photochemical anemometry in supersonic flow
[AAAF-NT-89-09] 23 p3785 N91-31103
Development of an infrared Laser Fourier Densitometer (LFD) and first wind tunnel tests
[PMI-2335] 23 p3799 N91-31189
GREVE, D. W.
In situ TEM studies of the growth of strained Si(1-x)Ge(x) by solid phase epitaxy
[DE91-007278] 11 p1807 N91-19926
GREVELING, NORBERT JOHANNES WIEGER
Information plan study: A strategy model
[ISBN-90-6233-638-8] 15 p2524 N91-23968
GREVEN, A.
A variational formula for branching random walk in random environment
[REPT-90-60] 10 p1587 N91-18749
GREWAL, G.
Fundamental studies on high temperature deformation, recrystallization, and grain growth of two-phase materials
[AD-A229017] 09 p1314 N91-17210
GREWAL, GURPREET SINGH
Fundamental studies on microstructural evolution of two-phase titanium alloys 06 p0806 N91-14452
GREWING, M.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
GRIEM, H. R.
Experimental study of layer mixing, relative ionic escape velocity, and electron temperature gradients in spherical multilayered targets by XUV spectroscopy
[DE91-005034] 10 p1601 N91-18828
Time-resolved extreme-ultraviolet spectroscopy of laser-produced plasmas originating at the parylene layer of microballon targets
[DE91-009378] 13 p2158 N91-21900
GRIEM, HARTMUT
C 160-Transall life time extension
10 p1467 N91-18088

GRIEST, K.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
GRIEST, LAURA
Tailoring an Ada runtime environment proof-of-concept
[AD-A227767] 08 p1199 N91-16593
GRIEST, THOMAS E.
Scheduler issues for real-time Ada
[AD-A227766] 08 p1199 N91-16592
Distributed issues for Ada real-time systems
[AD-A227852] 08 p1201 N91-16603
GRIEWANK, A.
Exploiting parallelism in automatic differentiation
[DE91-011841] 17 p2839 N91-25692
GRIEWANK, ANDREAS
Implementing automatic differentiation efficiently
[DE91-002409] 05 p0702 N91-13913
Automatic evaluation of first- and higher-derivative vectors
[DE91-006028] 09 p1391 N91-17657
GRIFF, J. P.
Development of aqueous and nonaqueous titrimetric methods for liquid propellants
[AD-A226186] 04 p0511 N91-12837
GRIFF, STANLEY P.
Stability of liquid propellants under long-term storage
[AD-A223934] 02 p0201 N91-11126
GRIFFEN, C.
Composites supportability rapid test and evaluation
[AD-A225243] 03 p0335 N91-11881
GRIFFIN, ANSELM C.
Novel liquid crystalline polymers as nonlinear optical materials
[AD-A235371] 18 p2966 N91-26373
GRIFFIN, CHARLES F.
Composite transport wing technology development: Design development tests and advanced structural concepts
[NASA-CR-4177] 21 p3471 N91-29253
GRIFFIN, D. C.
The theory of electron-ion collisions: The role of doubly excited states
[DE90-011078] 08 p1220 N91-16721
GRIFFIN, E. J.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
GRIFFIN, G. R.
Performance of several different Naval aviator communities on a cognitive/psychomotor test battery: Pipeline comparison and prediciton
[AD-A238564] 21 p3551 N91-29730
GRIFFIN, J. W.
A review of fiber optic and related technologies for environmental sensing applications
[DE91-007736] 11 p1708 N91-19409
GRIFFIN, K. L.
Subnanosecond photoconductive switching in GaAs
[DE90-011481] 09 p1325 N91-17276
Wideband microwave generation with GaAs photoconductive switches
[DE91-017544] 24 p4009 N91-32415
GRIFFIN, KENNETH L.
Subnanosecond, high voltage photoconductive switching in GaAs
[DE91-002671] 05 p0727 N91-14063
GRIFFIN, LISA W.
Turbine stage aerodynamics and heat transfer prediction 02 p0152 N91-10882
GRIFFIN, M. J.
Modelling the effects of vibration on visual performance
[ISVR-TR-171] 05 p0697 N91-13883
Effects of anthropometric and postural variables on the transmission of whole-body vertical vibration from seat-to-head
[ISVR-TR-172] 05 p0697 N91-13884
GRIFFIN, M. K.
Subvisual Cirrus cloud properties derived from a FIRE IFO case study 01 p0077 N91-10464
GRIFFIN, MATT
Performance tests on Ge:Ga and Ge:Be detectors for the ISO long wavelength spectrometer 13 p2180 N91-22045
GRIFFIN, MICHAEL J.
Physical characteristics of stimuli provoking motion sickness 24 p4074 N91-32762
Sea sickness 24 p4075 N91-32766
GRIFFIN, MICHAEL K.
The hemispheric eighth mesh terrain elevation and geography data sets
[AD-A231592] 13 p2111 N91-21624
GRIFFIN, O. HAYDEN, JR.
Development and verification of global/local analysis techniques for laminated composites
[NASA-CR-185060] 18 p2943 N91-26238
GRIFFIN, P. J.
Measured silicon displacement damage ratios support the need to replace the ASTM E-722 damage function with the NJOY calculated function
[DE90-016225] 01 p0129 N91-10762
GRIFFIN, R. H.
Utility of remotely sensed data for identification of soil conservation practices
[NASA-CR-176874] 02 p0228 N91-11276
GRIFFIN, ROBIN D.
Ion irradiation effects on a martensitic stainless steel designed for reduced long-life radioactivity
[DE91-005045] 10 p1497 N91-18242
GRIFFIN, SANDY
Operational efficiency 09 p1283 N91-17055
GRIFFIS, ANDREW J.
An electrically scanned thinned array radiometer for Earth remote sensing 17 p2796 N91-25465
GRIFFIS, DIETER P.
Ion microprobe elemental analyses of impact features on interplanetary dust experiment sensor surfaces 16 p2712 N91-25007
GRIFFITH, A.
Some recent studies with the solid-ionomer electrochemical capacitor 24 p4038 N91-32562
GRIFFITH, R. L.
Twelve signals multiplexed with the LLNL optical streak camera
[DE91-000066] 05 p0662 N91-13680
Avalanche transistor selection for long term stability in streak camera sweep and pulser applications
[DE91-004195] 06 p0821 N91-14535
GRIFFITH, W. L.
High-alcohol microemulsion fuel performance in a diesel engine
[DE91-001617] 05 p0644 N91-13572
GRIFFITHS, J. B.
Colliding plane wave space-times
[MATHS-REPT-A-145] 22 p3708 N91-30636
GRIFFITHS, J. F.
Auto-ignition temperatures of binary mixtures of alkanes in a closed vessel: Comparisons between experimental measurements and numerical predictions
[DE90-007856] 08 p1108 N91-16082
GRIFFITHS, JOSE-MARIE
A manual on the evaluation of information centers and services
[AGARD-AG-310] 17 p2887 N91-25959
GRIFFITHS, KEVIN
Design of buildings to cause high wind for local leisure activity
[BU-503] 14 p2290 N91-22668
GRIFFITHS, M. H.
Casting alloys for the jet age
[PNR-90723] 01 p0028 N91-10168
GRIFFITHS, P. J.
The preliminary aerodynamic design of light aircraft
[BU-504] 14 p2194 N91-22119
GRIFFITHS, S. K.
The effect of stratification on gravitational coagulation and settling of aerosols
[DE90-010153] 08 p1107 N91-16079
Liquid propellant injector/combustor tests 16 p2580 N91-24298
GRIGG, LEWIS RANDALL
Far field wake velocity measurements with hot film probes
[AD-A226650] 05 p0657 N91-13647
GRIGGER, DAVID J.
Static feed water electrolysis subsystem development
[NASA-CASE-MSC-21577-1-SB] 15 p2397 N91-23271
Space water electrolysis: Space Station through advance missions 24 p4036 N91-32553
GRIGORE, R. D.
Localizability in the Hamiltonian formalism and in quantum-mechanics
[DE90-628368] 01 p0133 N91-10787
GRIGORENKO, A. N.
Thermoelectric phenomena in metals under large temperature gradients
[AD-A229548] 22 p3666 N91-30412
GRIGORIEV, A. I.
Medical results of the fourth prime expedition on the orbital station Mir 11 p1742 N91-19576
The biochemical and physiological variables in motion sickness followed modified neuroendocrine activity 11 p1747 N91-19607
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station) 11 p1761 N91-19689
GRIGORIU, MIRCEA
Probabilistic fracture mechanics: A validation of predictive capability
[AD-A228877] 08 p1164 N91-16409
GRIGORYEV, A. I.
Review of primary medical results of year-long flight on Mir station 18 p2933 N91-26178
Survey of the principal results of medical research in the flight program of the second main expedition aboard the Mir orbiting complex 18 p3022 N91-26686
The 370-day antiorthostatic hypokinesia: Goals and protocols 19 p3210 N91-27745
Habitability and biological life support systems 19 p3215 N91-27769
GRIGORYEV, S. A.
Measurements of the longitudinal movements of O(+) ions in the subauroral upper atmosphere from the Aureol 3 satellite 18 p2931 N91-26171
GRIGORYEV, V. I.
Conversion of the technology for the production of the Energiya-Buran system in the national economy 12 p1850 N91-20165
GRIGSBY, DORIS K.
Space Exposed Experiment Developed for Students (SEEDS) P-0004-2 16 p2725 N91-25095
GRIGSBY, JAMES A.
Fundamental properties and mass loss in hot, near-main sequence stars 01 p0139 N91-10821
GRILLI, M.
The birth of the 'strange' particle physics
[NOTA-INTERNA-958] 15 p2505 N91-23875
GRIM, RUUD
New insights in the photochemistry of grain mantles: The identification of the 4.62 and 6.87 micron bands 06 p0897 N91-14957
Diffusion and infrared properties of molecules in ice mantles 06 p0898 N91-14963
GRIMALDA, JUSTUS
Simulation of Martian dust accumulation on surfaces 11 p1662 N91-19160
GRIMALDI, MARGARET E.
Thermally activated retainer means
[NASA-CASE-MSC-21793-1] 20 p3289 N91-28186
GRIMBERG, ODILE
An advanced testability concept for space applications 24 p3995 N91-32323
GRIMBERGEN, M.
Ion-assisted doping of 2-6 compounds during physical vapor deposition
[DE90-000358] 01 p0128 N91-10756
GRIMES, DONNA E.
Object-oriented software requirements specification for the UH-1 helicopter flight simulator
[AD-A225041] 03 p0317 N91-11774
GRIMLEY, A. J.
Investigation of the Deflagration-to-Detonation (DDT) process: The role of ignition and explosive properties in DDT
[DE91-011956] 20 p3330 N91-28442
GRIMM, C. C.
Kinetic energy distributions of ions after surface collisions
[DE91-013412] 20 p3401 N91-28850
GRIMM, PETER
The relationship of marine stratus to synoptic conditions 01 p0082 N91-10489
GRIMMEISEN, W.
Oxygen extraction from lunar soil by fluorination 17 p2903 N91-26032
GRIMSDITCH, M.
Metallic superlattices: Structural and elastic properties
[DE91-006037] 09 p1316 N91-17223
GRIMSHAW, A.
An introduction to the ADAMS interface language, part 1
[DE91-014344] 20 p3385 N91-28757
GRIMSHAW, A. S.
FALCON: A distributed scheduler for MIMD architectures
[DE91-014343] 22 p3736 N91-30810
GRIMSON, W. ERIC L.
The effect of indexing on the complexity of object recognition
[AD-A225761] 04 p0553 N91-13069
GRIMSRUD, D. T.
Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626
GRIMSTAD, GREGORY E.
Aircraft Command in Emergency Situations (ACES). Phase 1: Concept development
[DOT/FAA/CT-90/21] 15 p2367 N91-23097
GRIN, A. M.
Soviet participation in FIFE-1989 remote sensing study 22 p3626 N91-30173

GRINAKER, STEIN
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 1: Methodology
[FFI-90/4005-VOL-1] 12 p1844 N91-20138
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 2: General data flow diagram
[FFI-90/4005-VOL-2] 12 p1844 N91-20139
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 3: Data dictionary
[FFI-90/4005-VOL-3] 12 p1845 N91-20140
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 5: Specification mode 15, A + T + B + H
[FFI-90/4005-VOL-5] 12 p1845 N91-20141
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 9: Specification of sub-processes
[FFI-90/4005-VOL-9] 12 p1845 N91-20142
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 4: Processor mini-spec
[FFI-90/4005-VOL-4] 13 p2026 N91-21145
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 6: Specification mode 16, N
[FFI-90/4005-VOL-6] 13 p2027 N91-21146
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 7: Specification mode 29, N + A + T + H
[FFI-90/4005-VOL-7] 13 p2027 N91-21147
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 8: Specification mode 30, N + A + T + B
[FFI-90/4005-VOL-8] 13 p2027 N91-21148

GRINBUSH, Y. V.
Biochip technology development
[AD-A230564] 12 p1967 N91-20823

GRINDELAND, DAVID
Noise power spectral density of the Sundstrand QA-2000 accelerometer 03 p0433 N91-12426

GRINDHAMMER, G.
Searching for the Higgs in ep collisions at LEP/LHC
[DE91-015701] 23 p3925 N91-31930

GRINDLAY, JONATHAN E.
High energy from space 24 p4119 N91-33023

GRINGAUZ, K. I.
Specific tasks of Regatta-E measurements correlated with Cluster/Regatta-A in the ISTP and Regatta programmes 01 p0072 N91-10436

GRINGEL, W.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974

GRINT, ALAN
Production of high surface area carbon fibres
[EP-PATENT-0-312-395-A2] 09 p1301 N91-17142

GRIPPLE, KARIN
A comparison of the compression response of thick (6.35 mm) and thin (1.60 mm) dry and moisture saturated AS4/3501-6 laminates
[AD-A230056] 12 p1862 N91-20230

GRISAFFE, SALVATORE J.
Composite thermal barrier coating
[NASA-CASE-LEW-14999-1] 05 p0632 N91-13500
Reinforcements: The key to high performance composite materials
[NASA-TM-103230] 07 p0971 N91-15329
Overview of Lewis materials research: Contributions, current efforts, and future directions
12 p1839 N91-20109

GRISHANIN, D. V.
The biochemical and physiological variables in motion sickness followed modified neuroendocrine activity
11 p1747 N91-19607

GRISHMAN, RALPH
Research in natural language processing
[AD-A225531] 03 p0407 N91-12268

GRISONI, M.
A methodology for producing validated real-time expert systems 17 p2733 N91-25131

GRISSOM, M. C.
International Energy Subject Categories and Scope
[DE90-015197] 04 p0606 N91-13373

GRISSOM, WILLIAM A.
Servomotor-Linked Articulated Versatile End Effector (SLAVE2) 19 p3274 N91-28111

GRISSON, WILLIAM M.
Liquid film cooling in rocket engines
[AD-A234288] 18 p2937 N91-26197

GRISWOLD, MICHAEL R.
Flight critical design concepts for low-level tactical guidance and control 04 p0482 N91-12683

GRITZNER, CHRISTIAN
Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121

GRITZO, R. E.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264

GROBSTEIN, TONI L.
Advanced materials for space nuclear power systems
[NASA-TM-105171] 21 p3479 N91-29298

GROOSINSKY, CARLOS M.
Development of a vibration isolation prototype system for microgravity space experiments
[NASA-TM-103664] 11 p1693 N91-19324
Magnetic bearings with zero bias
13 p2035 N91-21194
Microgravity vibration isolation: An optimal control law for the one-dimensional case 13 p2037 N91-21206

GROEBKE, HARALD H.
Quantum optics reveals the nature of superconductivity
[TR-69] 11 p1810 N91-19946

GROEBNER, R. J.
High spatial and temporal resolution visible spectroscopy of the plasma edge in DIII-D
[DE91-002718] 05 p0721 N91-14023
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
Spectroscopic study of edge poloidal rotation and radial electric fields in the DIII-D tokamak
[DE91-002706] 09 p1401 N91-17710
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888

GROEGOR, EBERHARD
A central data management unit for a modern communication satellite system
[MBB-UK-0082-89-PUB] 04 p0513 N91-12853

GROENENDIJK, JEROEN
Two theories of dynamic semantics
[ITLI-LP-90-14] 22 p3732 N91-30780

GROENENDIJK, WIM P.
Performance analysis of transaction driven computer systems via queueing analysis of polling models
[CWI-BS-R8931] 02 p0256 N91-11426

GROENEVELD, B. J.
Software development experiences with a distributed database in a large, distributed computer system
[DE91-012818] 20 p3384 N91-28750
Distributed relational database design and implementation for a large, distributed computer system
[DE91-012812] 20 p3438 N91-29077

GROENEVELD, K.-O.
Electron emission in H-0-atom collisions: A coincidence study of the angular dependence
[DE91-005555] 10 p1591 N91-18775

GROENEWALD, H. E.
Requirements for turboprop and turbofan engines in regional aircraft 03 p0309 N91-11733

GROENEWEG, J. F.
Unsteady blade-surface pressures on a large-scale advanced propeller: Prediction and data
[NASA-TM-103218] 03 p0323 N91-11799
Near-field noise of a single-rotation propfan at an angle of attack
[NASA-TM-103645] 03 p0414 N91-12316
Unsteady flowfield of a propfan at takeoff conditions
[NASA-TM-105223] 24 p3949 N91-32075

GROENEWEG, JOHN F.
Overview of subsonic transport propulsion technology
12 p1840 N91-20116

GROENEWOUD, P.
DASWAM: A program for data-assimilation in a 3rd generation wave model
[BCRS-90-15] 14 p2293 N91-22680

GROESENEKEN, G.
New developments in non-volatile semiconductor memory technologies and devices
24 p3991 N91-32295

GROGAN, TIMOTHY A.
An evaluation of shape methods for helicopter classification and orientation determination
[AD-A227326] 07 p0939 N91-15148
Artificial neural system for object classification and orientation estimation
[AD-A234936] 22 p3740 N91-30837

GROLADE, D.
Calculations for structures with nonlinear joints
[CETIM-108830] 05 p0679 N91-13776

GROLL, P.
EMC verification approach and facility on Columbus Attached Laboratory 07 p0960 N91-15285

GROMELSKI, S.
Air traffic controller memory enhancement
[DOT/FAA/CT-TN90/38] 06 p0854 N91-14713

GROMOV, S. K.
Buran and the future of the Soviet space program
08 p1100 N91-16037

GRONSKY, R.
In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783
Experimental and theoretical characterization of the YBa2Cu3O7 / YBa2Cu4O8 phase transformation
[DE90-015309] 14 p2330 N91-22871
Advancing conventional high-resolution electron microscopy
[DE91-013773] 20 p3349 N91-28548
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958

GRONSKY, RONALD
Microstructure and stability comparison of nanometer period W/C, WC/C, and Ru/C multilayer stru tures
[DE91-005232] 09 p1303 N91-17150
Fresnel fringe effects at interfaces of thin multilayer structures
[DE90-015312] 12 p1985 N91-20923

GROOM, NELSON J.
Aerospace Applications of Magnetic Suspension Technology, part 1
[NASA-CP-10066-PT-1] 13 p2035 N91-21188
Description of the Large-Gap Magnetic Suspension System (LGMSS) ground based experiment
13 p2036 N91-21200
Stability considerations for magnetic suspension systems using electromagnets mounted in a planar array
13 p2037 N91-21202
Aerospace Applications of Magnetic Suspension Technology, part 2
[NASA-CP-10066-PT-2] 13 p2037 N91-21203
Single element magnetic suspension actuator
[NASA-CASE-LAR-13981-1] 13 p2096 N91-21539
Permanent magnet flux-biased magnetic actuator with flux feedback
[NASA-CASE-LAR-13785-1] 13 p2146 N91-21824
Description of the Large Gap Magnetic Suspension System (LGMSS) ground-based experiment
15 p2542 N91-24083

GROOT, J. S.
Introduction to radar polarimetry
[FEL-91-B122] 23 p3855 N91-31496

GROOTE, JAN FRISO
Transition system specifications with negative premises
[CWI-CS-R8950] 03 p0403 N91-12244
An efficient algorithm for branching bisimulation and stuttering equivalence
[CWI-CS-R9001] 03 p0412 N91-12302
Specification and verification of real time systems in ACP
[CWI-CS-R9015] 07 p1053 N91-15785
A new strategy for proving omega-completeness applied to process algebra
[CWI-CS-R9030] 10 p1582 N91-18710
The meaning of negative premises in transition system specifications
[CWI-CS-R9054] 17 p2834 N91-25661
Process algebra with guards: Combining Hoare logic with process algebra
[CWI-CS-R9069] 17 p2845 N91-25726

GROOTERS, R.
GaAs MMIC mixer for 8-12 GHz, based on 0.5 micrometer gate length D-MESFETS. Volume 1: Design and layout
[FEL-89-B277-VOL-1] 05 p0654 N91-13632

GROPENGIESSER, F.
Computational methods for the Boltzmann equation
[BR-43] 01 p0043 N91-10256

GROPP, W.
Parallel scalability of the spectral transform method
[DE91-017991] 24 p4071 N91-32744
Parallel computing and domain decomposition
[DE91-017967] 24 p4090 N91-32854

GROPP, WILLIAM D.
Domain-decomposable preconditioners for second-order upwind discretizations of multicomponent systems
[DE91-004447] 07 p1002 N91-15502
Domain decomposition methods in computational fluid dynamics
[NASA-CR-187529] 13 p2080 N91-21457
Domain decomposition with local mesh refinement
[NASA-CR-187528] 17 p2842 N91-25704

GROSCH, C. E.
Zero wavenumber modes of a compressible supersonic mixing layer
[NASA-CR-187476] 05 p0660 N91-13669
Ignition and structure of a laminar diffusion flame in a compressible mixing layer with finite rate chemistry
[NASA-CR-187551] 14 p2266 N91-22537
GROSJEAN, D.
Aerosol formation in atmospheric mixtures
[PB91-129114] 11 p1739 N91-19560
GROSS, D.
A new, simple electrostatic-acoustic hybrid levitator 13 p2065 N91-21369
GROSS, K. C.
Pumping system fault detection and diagnosis utilizing pattern recognition and fuzzy inference techniques
[DE91-011849] 18 p3053 N91-26863
GROSS, KLAUS W.
Further improvements to nozzle boundary layer calculations in BLIMPJ 09 p1299 N91-17130
Liquid behavior at critical and supercritical conditions 09 p1299 N91-17131
Radiation effects on flow characteristics in combustion chambers 09 p1299 N91-17132
GROSS, M.
Fifth force experiments 23 p3894 N91-31733
GROSSBACH, R.
Acoustic positioning (TEXUS 9) ESA 23 p3850 N91-31465
Acoustic positioning (TEXUS 14b) ESA 23 p3850 N91-31467
Electrostatic positioning for containerless processing of a Li-silicate glass (TEXUS 10) ESA 23 p3851 N91-31469
GROSSBERG, STEPHEN
First Annual Meeting of International Neural Network Society
[AD-A230283] 13 p2139 N91-21777
GROSSE, RALF
Wave propagation through random media: A local method of small perturbations based on the Helmholtz equation 08 p1217 N91-16701
GROSSET, E.
Study of the time and effort signal in cutting operations
[CETIM-101580] 05 p0646 N91-13583
GROSSI, G.
Genetic changes in Mammalian cells transformed by helium cells
[DE91-013778] 20 p3379 N91-28721
GROSSIN, M. J.
Satellite utilization by civil aviation
[REPT-911-111-105] 15 p2388 N91-23216
GROSSKOPF, PAUL P.
Mechanical behavior of a ceramic matrix composite material
[NASA-CR-187072] 11 p1718 N91-19461
GROSSMAN, A.
New method for edge plasma control by RF ponderomotive force
[DE91-744823] 11 p1805 N91-19911
GROSSMAN, ARIE WILLIAM
Microwave imaging of Saturn's deep atmosphere and rings 15 p2534 N91-24035
GROSSMAN, E.
Interaction of copper with a vapor deposited polyimide film
[AD-A225819] 04 p0501 N91-12781
GROSSMAN, L. M.
Theoretical studies of tokamaks
[DE90-011332] 08 p1228 N91-16768
GROSSMAN, ROBERT
Evaluation of expressions involving higher order derivations
[NASA-CR-187319] 05 p0708 N91-13949
The simultaneous integration of many trajectories using nilpotent normal forms
[NASA-CR-187318] 05 p0708 N91-13950
Querying databases of trajectories of differential equations 2: Index functions 14 p2226 N91-22311
The symbolic computation and automatic analysis of trajectories
[NASA-CR-188159] 20 p3391 N91-28787
Using trees to compute approximate solutions to ordinary differential equations exactly
[LAC90-R24] 20 p3391 N91-28788
Computations involving differential operators and their actions on functions 20 p3391 N91-28789
Bialgebra deformations and algebras of trees 20 p3391 N91-28790
GROSVELD, FERDINAND M. W. A.
Sound attenuation apparatus
[NASA-CASE-LAR-13968-1] 19 p3239 N91-27913
GROTCH, S. L.
Zonal statistics in (General Circulation Model) GCM/GCM/data intercomparisons
[DE91-006706] 11 p1733 N91-19530
The use of distributional and pointwise statistical measures in GCM intercomparisons
[DE91-015697] 23 p3896 N91-31748
GROTCH, STANLEY L.
GCM (General Circulation Model) predictions for surface air temperature and precipitation over the southeastern United States
[DE90-009434] 08 p1180 N91-16497
GCM (General Circulation Model)-data intercomparison: The good news and the bad
[DE91-005185] 10 p1543 N91-18493
GROTE, MICHAEL G.
Results from the cascaded variable conductance heatpipe experiment on LDEF 16 p2720 N91-25066
GROTH, MARY F.
Production and use of metals and oxygen for lunar propulsion
[NASA-TM-105195] 21 p3466 N91-29222
GROUNNER, M.
High-efficiency, radiation-resistant GaAs space cells 11 p1668 N91-19194
GROVE, CHARLES H.
Optical shutter switching matrix 15 p2540 N91-24071
GROVE, D. J.
A dynamic failure model for ductile materials
[AD-A233600] 16 p2601 N91-24414
GROVEMAN, BRIAN
User's guide: Nimbus-7 Earth radiation budget narrow-field-of-view products. Scene radiance tape products, sorting into angular bins products, and maximum likelihood cloud estimation products
[NASA-RP-1246] 04 p0549 N91-13043
GROVER, J. R.
Cluster production in free-jet expansions: Chlorobenzene seeded in ammonia
[AD-A224692] 03 p0337 N91-11887
Cluster beam analysis via photoionization
[AD-A234111] 18 p2946 N91-26253
GROVER, PAUL E.
Quality effectiveness sensing technique release 3.0
[AD-A233651] 18 p2996 N91-26545
GROVER, R.
Equation-of-state from SiO2 aerogel Hugoniot data
[DE91-011480] 20 p3308 N91-28313
GROVES, PAULA
Annotated bibliography of software engineering laboratory literature
[NASA-TM-103415] 08 p1201 N91-16602
GROVES, S. E.
Multiaxial failure characterization of composites
[DE91-005397] 10 p1494 N91-18224
Multiaxial failure characterization of composites
[DE91-011925] 20 p3304 N91-28285
On the finite-strain-invariant failure criterion for composites
[DE91-011924] 20 p3304 N91-28286
GROVES, S. H.
Materials systems for 2- to 5-micrometers wavelength diode lasers
[AD-A228218] 08 p1155 N91-16361
GROVES, SCOTT E.
On the finite-strain-invariant failure criterion for composites
[AD-A234493] 18 p2941 N91-26223
GRUBB, J. P.
Investigation of the influence of constant adverse pressure gradients on laminar boundary-layer stability at Mach number 8
[AD-A228231] 08 p1143 N91-16293
GRUBB, RICHARD N.
The IPS data acquisition and communication system
[PB90-106039] 09 p1322 N91-17258
GRUBBS, KIM
Inelastic deformation of plate panels
[AD-A236662] 22 p3691 N91-30550
GRUBER, ARNOLD
The impact of NOAA satellite soundings on the numerical analysis and forecast system of the People's Republic of China. Part 1: FGGE data. Part 2: December 1987 data
[AD-A227463] 09 p1366 N91-17506
A comparison of ERBE and AVHRR longwave flux estimates
[NOAA-TR-NESDIS-50] 10 p1555 N91-18553
GRUBER, E. E.
Microstructural evolution in a ferritic-martensitic stainless steel and its relation to high-temperature deformation and rupture models
[DE91-006471] 09 p1316 N91-17227
GRUBER, H.
Cold start optimization on a military jet engine 23 p3792 N91-31151
GRUBER, M.
Measurement of unsteady blade surface pressure on a single rotation large scale advanced prop-fan with angular and wake inflow at Mach numbers from 0.02 to 0.70
[NASA-CR-182123] 01 p0011 N91-10065
GRUBER, O.
H-mode energy confinement scaling from the ASDEX, DIII-D, and jet tokamaks
[DE91-015145] 21 p3588 N91-29957
GRUBER, R. P.
Xenon ion propulsion for orbit transfer
[NASA-TM-103193] 03 p0323 N91-11798
GRUBIN, H. L.
Studying quantum phase-based electronic devices
[AD-A226809] 06 p0822 N91-14541
Numerical simulation of the comparative electrical performance of the permeable base transistor, opposed gate-source transistor and heterostructure launched ballistic field effect transistor
[AD-A228545] 08 p1128 N91-16202
Transport via moments of quantum distribution functions
[AD-A231182] 13 p2146 N91-21821
Quantum devices and structures
[AD-A235298] 18 p3074 N91-26989
GRUDININ, A. B.
Breakup of femtosecond pulses during amplification in Er(3+)-doped single-mode optical fibers 11 p1788 N91-19812
GRUDLER, P.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
GRUE, KLAUS
Expert operator's associate: An expert system for spacecraft control 14 p2217 N91-22253
Expert operator's associate: A knowledge based system for spacecraft control 14 p2315 N91-22786
GRUEBEL, G.
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307
The time evolution of the first order magnetic phase transition in Dy-4 percent Y alloy
[DE91-015423] 22 p3760 N91-30961
GRUEN, D. M.
Second harmonic generation and sum frequency generation
[DE91-006654] 10 p1609 N91-18883
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
Sputtering of molecules from ZnS, CdS, and FeS2
[DE91-010279] 17 p2870 N91-25878
GRUEN, DIETER M.
The transuranium elements: Members of the 5f series
[DE90-017680] 02 p0280 N91-11575
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
GRUEN, E.
Laboratory investigation of electric charging of dust particles by electrons, ions, and UV radiation 06 p0899 N91-14971
GRUEN, EBERHARD
Laboratory studies on time dependent particle emission from cometary analogues 10 p1623 N91-18954
GRUEN, W. E.
Performance and operational capabilities of the Large European Acoustic Facility (LEAF) 07 p0954 N91-15245
GRUENBAUM, P. E.
The effects of electron and proton radiation on GaSb infrared solar cells 22 p3638 N91-30244
GRUENER, GEORGE
Electromagnetic properties of high Tc superconductors
[AD-A227006] 06 p0881 N91-14868
GRUENEWALD, M.
Interior noise control program for the advanced commuter aircraft Dornier 328 and first results 03 p0307 N91-11717
GRUENEWALD, MARIA M.
Knowledge base systems in DMA's digital production system
[AD-A230771] 13 p2168 N91-21963
GRUET, L. P.
RSRM-11 (36OW011) ballistics mass properties (STS-35)
[NASA-CR-184107] 12 p1858 N91-20203
GRUGEL, R. N.
Interpreting solidification phenomena and microstructural evolution in metals through the use of transparent model alloy systems
[DE91-012629] 20 p3314 N91-28347

GRUHL, HARMUT
Optical far-field measurements of extremely high dynamic to investigate the roughness of front faces of single-mode fiber connectors
[FI-452-TB-67] 02 p0270 N91-11517
GRUM, ALLEN F.
Electromagnetic/electrothermal gun technology development
[AD-A236493] 19 p3109 N91-27174
GRUMMON, D. S.
Softening mechanisms and microstructural instabilities during high temperature, low cycle fatigue of Ni, Ni3Al, and their metal matrix composites
[DE91-012714] 20 p3304 N91-28287
GRUN, J.
Laboratory simulation of high-altitude disruptive effects 10 p1553 N91-18542
GRUNAU, D.
Simulation of pore scale porous media flow using lattice gas methods
[DE91-004829] 18 p2986 N91-26484
GRUNAU, M.
How to increase meeting effectiveness and efficiency
[DE91-012420] 20 p3437 N91-29070
GRUND, CHRISTIAN JOHN
Optical and morphological properties of Cirrus clouds determined by the high spectral resolution lidar during FIRE 01 p0076 N91-10458
A four-lidar view of Cirrus from the FIRE IFO: 27-28 October 1986 01 p0080 N91-10478
Interpretation of the optical and morphological properties of Cirrus clouds from lidar measurements 01 p0081 N91-10483
GRUNDY, DAVID
Visualisation of fluid shifts within the body during a parabolic flight by measurements of electrical bio-impedance 11 p1761 N91-19688
GRUNDY, JIM
Report on m-EVES
[AD-A236014] 19 p3226 N91-27833
GRUNDY, W. M.
Deimos: A featureless asteroid-like spectrum 17 p2893 N91-25994
GRUNE, D.
Suggestions for supplementary examinations of LOVA
[ISL-CO-228/88] 04 p0512 N91-12847
GRUNEFELD, H.
Study day on the design of a network database in four languages
[MEMO-INF-91-22] 23 p3915 N91-31863
GRUNER, G.
Surface impedance of high Tc superconductors
[AD-A228673] 09 p1410 N91-17761
GRUNER, SOL M.
Development and application of photosensitive device systems to studies of biological and organic materials
[DE91-005130] 10 p1558 N91-18568
GRUNINGER, J. H.
Description of the Strategic High-Altitude Atmospheric Radiation Code (SHARC)
[AD-A237089] 21 p3541 N91-29671
GRUNTHANER, FRANK J.
Innovative Long Wavelength Infrared Detector Workshop Proceedings
[NASA-CR-187433] 06 p0792 N91-14379
InAs/GaAs and InAs doping superlattices 06 p0799 N91-14409
GRUNTMAN, S.
Thermal design and control of space simulation chambers in Israel 07 p0951 N91-15227
GRUNWALD, A. J.
Suppression of biodynamic interference in head-tracked teleoperation
[NASA-TM-103833] 13 p2024 N91-21134
GRUNWALD, ARTHUR J.
A trajectory planning scheme for spacecraft in the space station environment
[NASA-TM-102866] 09 p1286 N91-17071
Interactive orbital proximity operations planning system 12 p1847 N91-20152
GRUNZE, M.
A model for solventless PMDA/ODA polyamic acid: Consequences for the reactivity of polyamic acid with metals
[AD-A225818] 04 p0501 N91-12780
Properties and adhesion of polyimides in microelectronic devices
[AD-A225728] 04 p0506 N91-12813
Vapor deposition of polyimide and polyimide precursors on copper
[AD-A225729] 04 p0507 N91-12814
Properties and adhesion of polyimides in microelectronic devices
[AD-A238204] 21 p3490 N91-29364
Comparison between the interfacial chemistry of metallized polyimides and polymide
[AD-A238400] 21 p3490 N91-29366
GRUSH, D. J.
Implementation of the FAA research and development electromagnetic database
[DE91-010063] 15 p2468 N91-23674
Implementation of the FAA research and development electromagnetic database 24 p4066 N91-32715
GRUTZECK, M. W.
Microstructure, porosity, and mechanical property relationships of calcium-silicate-hydrate
[AD-A235191] 18 p2950 N91-26279
GRUZALSKI, G. R.
Thin film amorphous electrolytes: The Li2O-SiO2-P2O5 system
[DE91-007272] 11 p1807 N91-19925
GRZYLL, LAWRENCE R.
Thermodynamic properties of refrigerant mixtures
[AD-A230520] 12 p1993 N91-20970
GU, C.
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979
GU, X. U.
Initial estimate of NOAA-9 SBUV/2 total ozone drift: Based on comparison with re-calibrated TOMS measurements and pair justification of SBUV/2 11 p1732 N91-19523
GU, Y. B.
An approach to space power 14 p2200 N91-22147
GUAN, R.
Model filled polymers versus synthesis of crosslinked monodisperse polymethacrylate beads
[AD-A227236] 08 p1118 N91-16146
GUAN, SHOUREN
Investigation of methods to prepare carbon foils and to determine their thicknesses
[DE90-638126] 09 p1317 N91-17231
GUAN, X.
Searching for consensus patterns on a hypercube
[DE91-013233] 20 p3385 N91-28753
GUANGJIAN, SUO
Existence of at most two limit cycles for the system of differential equations: dx/dt = a + summation for i+j = 2 of (a sub ij) (x sup i) (y sup j) and dy/dt =b + summation for i+j = 2 of (b sub ij) (x sup i) (y sup j)
[REPT-90-03] 01 p0114 N91-10667
GUARDIOLA, R.
Variational and perturbative schemes for a spiked harmonic oscillator
[DE90-637409] 03 p0410 N91-12289
GUARINI, G.
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation 13 p2179 N91-22040
The TIR project: A balloon telescope for the measurement of CBR anisotropies 13 p2180 N91-22041
GUARINO, JOSEPH C.
Modal analysis of a fluid-filled elastic shell containing an elastic sphere 14 p2276 N91-22585
GUARISO, G.
Identification of model structure via qualitative simulation
[REPT-90-040] 16 p2667 N91-24755
GUARNIERI, A.
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929
GUASPARI, DAVID
Formally specifying the logic of an automatic guidance controller 09 p1378 N91-17576
GUBCHENKO, V. M.
Generation of inductive fields by an oblique magnetic rotator in collisionless plasma 06 p0920 N91-15077
GUBENKO, V. N.
Sulfuric acid in Venusian atmosphere determined from radio opacity data 12 p1849 N91-20160
GUBER, A. L.
Application of geographic information system for emergency management
[DE91-010766] 17 p2887 N91-25964
GUBERMAN, STEVEN L.
Theoretical studies of important processes in planetary and comet atmospheres
[NASA-CR-187692] 06 p0915 N91-15045
GUBERNATIS, J. E.
Dynamics of the Anderson model for dilute magnetic alloys: A quantum Monte Carlo and maximum entropy study
[DE91-000445] 07 p0979 N91-15376
GUBERNATIS, JAMES E.
Applications of MaxEnt to quantum Monte Carlo
[DE91-000216] 03 p0401 N91-12231
GUCCIONE, SALVADORE J., JR.
A statistical analysis of -X rhesus head kinematics
[AD-A233977] 18 p3020 N91-26674
GUCKERT, J. B.
Spatial and temporal relationships between localized microbial metabolic activity and electrochemical activity of steel
[DE91-008102] 11 p1684 N91-19279
GUCWA, J. R.
Description of the bistatic radar terrain measurements system equipment
[AD-A226808] 06 p0818 N91-14517
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
GUDIVADA, V. NAIDU
Image databases: Problems and perspectives 19 p3268 N91-28074
GUEDES, HENRIQUE J. R.
Thermodynamics of the liquid mixture carbon dioxide + butane below 285 K
[PB91-185009] 22 p3648 N91-30302
GUEDRA, D.
Relation between fiber proportion and mechanical characteristics of carbon-resin composites
[RE-50-345/F] 23 p3806 N91-31231
GUEDRY, F. E.
Vestibular stimulation during a simple centrifuge run
[AD-A227285] 07 p1035 N91-15678
GUEDRY, FRED E.
Motion sickness and its relation to some forms of spatial orientation: Mechanisms and theory 24 p4074 N91-32761
Factors influencing susceptibility: Individual differences and human factors 24 p4074 N91-32763
GUELL, ANTONIO
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station) 11 p1761 N91-19689
GUENGANT, A.
Advances in navigation support systems based on operational pilot's heuristics
[RAE-TRANS-2184] 09 p1276 N91-17012
GUENOUN, P.
Phase separation of a binary fluid near its critical point (TEXUS 11) 23 p3833 N91-31377
Phase separation in microgravity of binary fluids near the critical point (TEXUS 13) 23 p3833 N91-31378
GUENTHER, A. H.
Laser induced damage in optical materials: 1989
[PB91-148478] 19 p3170 N91-27527
GUENTHER, G.
Enhanced fighter maneuverability aircraft (X-31A) wing and thrust vectoring vane design
[MBB-FE22/S/PUB/0433/A] 23 p3790 N91-31135
GUENTHER, PETER R.
Carbon dioxide release from Ocean Thermal Energy Conversion (OTEC) cycles
[DE89-009504] 05 p0685 N91-13809
GUENTHER, ROLF D.
Space research for the sake of all
[ETN-91-98807] 11 p1653 N91-19113
GUENTHER, W.
ZARM: General Information 14 p2336 N91-22913
GUER, T. M.
In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958
GUER, TURGUT M.
Intermediate temperature oxygen-conducting solid electrolytes and mixed conductors
[PB90-260522] 09 p1327 N91-17286
GUERIN, M. R.
Screening volatile organics by direct sampling ion trap and glow discharge mass spectrometry
[DE91-007708] 11 p1680 N91-19258
Rapid determination of drugs and semivolatile organics by direct thermal desorption ion trap mass spectrometry
[DE91-008885] 13 p2050 N91-21278
GUERIN, MICHAEL
Determination of airborne organics by direct sampling mass spectrometry
[DE90-009422] 08 p1172 N91-16452
GUERNY, GENE
COBE's search for structure in the Big Bang
[NASA-TM-102976] 05 p0769 N91-14271
GUERRA, F. M.
STRAPP user's manual
[DE91-009846] 14 p2310 N91-22764
GUERRA, ROSEMARY
Effects of H2O, CO2, and N2 air contaminants on critical airside strain rates for extinction of hydrogen-air counterflow diffusion flames 09 p1298 N91-17126

GUERRAZZI, A.
Telescience experiment integration and evaluation exercise 14 p2224 N91-22297
GUERREIRO, JOAO NISAN C.
Finite element analysis of nonlinear creeping flows [DE90-627189] 01 p0055 N91-10327
GUERRERO, MIKE
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary [NASA-TM-102860-VOL-2] 14 p2297 N91-22697
GUERRIER, JOSE H.
Handbook for conducting analysis of the manpower, personnel, and training elements for a MANPRINT assessment [AD-A235430] 19 p3258 N91-28022
GUERRIERO, A.
An introduction to old and new SAR interferometric techniques 07 p0992 N91-15445
GUERRIERO, L.
Modelling backscattering from natural surfaces covered with vegetation 07 p0993 N91-15448
GUERTLER, J.
Steps toward interstellar silicate dust mineralogy 06 p0903 N91-14991
Size distribution of dust grains: A problem of self-similarity 06 p0904 N91-14997
GUESS, T. R.
Tubular lap joints for wind turbine applications [DE91-001341] 05 p0672 N91-13736
Mechanical modeling of stress generation during cure of encapsulating resins [DE91-011496] 20 p3322 N91-28393
GUESS, TERRELL M.
Medical evaluations on the KC-135 1990 flight report summary [NASA-TM-104740] 24 p4077 N91-32776
Mini-rack testbed evaluation 24 p4078 N91-32779
GUEST, G. E.
Development of a tactical high-power microwave source using the Plasma Electron Microwave Source (PEMS) concept [AD-A234967] 18 p3067 N91-26942
GUEST, J. E.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
GUEST, P. S.
CEAREX/Haakon Mosby meteorology atlas [AD-A236752] 19 p3202 N91-27699
GUETHLEIN, G.
MPPE (Multiple Pulse Propagation Experiment) results [DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment [DE91-005241] 10 p1594 N91-18797
GUEVENC, Z. B.
Mode selectivity in cluster-molecule interactions: Ni13 + D2 [DE91-013352] 20 p3402 N91-28859
GUEZ, ALLON
Hierarchical Neural Network (HNN) for closed loop decision making: Designing the architecture of a hierarchical neural network to model attention, learning and goal oriented behavior [AD-A233030] 16 p2675 N91-24808
GUEZENNEC, C. Y.
Contractile protein changes induced by hindlimb suspension in rat skeletal muscle 11 p1754 N91-19646
GUEZENNEC, Y. G.
Stochastic estimation of coherent structures and their dynamics in transitional and turbulent boundary layers [AD-A236231] 19 p3164 N91-27494
GUFAN, YU. M.
Phenomenological theory of phase transitions to nonhomogeneous noncommensurate phase with superconducting current 11 p1789 N91-19817
GUFFEY, F. D.
Production of jet fuels from coal derived liquids. Volume 16: Analysis of phenolic species in coal derived aviation fuels [AD-A224656] 03 p0346 N91-11938
GUGERTY, LEO
The use of analytical models in human-computer interface design 12 p1948 N91-20716
GUGLIELMO, EUGENE J.
Exploiting captions for access to multimedia databases [AD-A239435] 23 p3936 N91-32000
GUHA, RATAN
Performance of distributed simulation using multiple segment ethernet communication networks [AD-A229216] 09 p1325 N91-17274
GUHA, S.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells [DE90-000364] 02 p0232 N91-11296
TEM in-situ straining of B2 compounds [DE91-012062] 18 p2958 N91-26322
GUHATHAKURTA, P.
Intergalactic HI in the NGC5018 group 05 p0736 N91-14110
GUIDEZ, JOEL
Theoretical study of the flow in a rotating duct. Experimental study through flow visualization in a curved duct [RAE-TRANS-2189] 21 p3511 N91-29493
GUIDICE, D. A.
Measurement of high-voltage and radiation-damage limitations to advanced solar array performance 22 p3637 N91-30236
GUIDONI, U.
Data analysis of hollow cathode experiment to support electrodynamic tether applications [IFSI-89-16] 02 p0187 N91-11047
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre) [IFSI-90-8] 02 p0276 N91-11551
GUIDOTTI, R. A.
Characterization of electrolyte-binder mixes for use in thermal batteries [DE91-011267] 17 p2770 N91-25329
GUIDOTTI, RONALD A.
A materials database for Li(Si)/FeS2 thermal batteries [DE91-002592] 06 p0820 N91-14531
Self-discharge study of Li-alloy/FeS2 thermal cells [DE90-010659] 08 p1169 N91-16438
GUILBAULT, GEORGE
A protein coated piezoelectric crystal detector [AD-A223848] 02 p0276 N91-11552
GUILFOYLE, PETER
Digital optical computer global interconnect algorithm study [AD-A230282] 13 p2132 N91-21736
GUILINGER, T. R.
Oxidized porous silicon moisture sensors for evaluation of microelectronic packaging [DE91-011322] 17 p2770 N91-25331
Silicon micromachining based on porous silicon formation [DE91-013744] 23 p3851 N91-31472
GUILLAUME, A.
Satellite data utilization for modeling sea states 15 p2454 N91-23598
GUILLAUME, M.
The development of new radionuclide generator systems for nuclear medicine applications [DE91-010381] 16 p2687 N91-24876
GUILLAUMON, JEAN CLAUDE
Spacecraft thermal control coatings (AO 138-6) 16 p2716 N91-25037
GUILLEN, P.
Interactive tool visualization of three dimensional 3D results [AAAF-NT-89-19] 23 p3913 N91-31847
GUILLORY, ANTHONY R.
MAMS: High resolution atmospheric moisture/surface properties 24 p4057 N91-32664
GUILLOT, JEAN
Procedure for steering a low-speed missile, weapon system, and missile for implementation of the procedure [PATENT-1-265-947] 23 p3797 N91-31182
GUIMARAES, L.
GOOSE: A Generalized Object-Oriented Simulation Environment [DE91-016771] 24 p4088 N91-32842
GUIMARAES, PATRICIA T.
Nimbus-7 TOMS Antarctic ozone atlas: August - December 1990 [NASA-RP-1264] 18 p3015 N91-26651
GUINAN, EDWARD F.
What we learn from eclipsing binaries in the ultraviolet 09 p1430 N91-17870
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
GUINAN, M. W.
A model for the prediction of Nb3Sn critical current as a function of field, temperature, strain, and radiation damage [DE91-000656] 08 p1229 N91-16775
Mechanisms of defect production and atomic mixing in high energy displacement cascades: A molecular dynamics study [DE91-017082] 24 p4111 N91-32979
GUINAN, MICHAEL W.
Grazing incidence metal mirrors as the final elements in a laser driver for inertial confinement fusion [DE91-000944] 04 p0585 N91-13268
Grazing incidence metal mirrors as the final elements in a laser driver for inertial confinement fusion [DE91-005272] 09 p1406 N91-17736
GUINN, JAMES WILLIAMS
High-overtone black-hole normal modes: A WKB contour-integral approach 20 p3445 N91-29118
GUINN, THOMAS A.
Analysis of tethered balloon, ceilometer and class sounding data taken on San Nicolas Island during the FIRE project 01 p0083 N91-10492
Analysis of tethered balloon data from San Nicolas Island on 8 July 1987 01 p0088 N91-10517
GUIOCHON, G.
Analysis of the surface heterogeneity of different samples of aluminum oxide ceramic powders [DE91-013527] 20 p3327 N91-28421
Validity of the model used to relate the energy distribution and the adsorption isotherm [DE91-013528] 20 p3328 N91-28428
GUIRGUIS, RAAFAT
A one-dimensional flux-corrected transport code for detonation calculations [MRL-HR-2-90] 14 p2261 N91-22510
GUIRLANDNOWOSAD, ALEXANDRE
Graphic interface for structured environment visualization as applied to robot control [INPE-5231-RPE/646] 22 p3741 N91-30842
GUIVENS, NORMAN R., JR.
Development of optical subapertures [AD-A237759] 21 p3582 N91-29924
GUL, V. YE.
Method of obtaining polymeric current-conducting material [AD-A233129] 16 p2606 N91-24440
Methods of obtaining an electrical contact [AD-A234800] 18 p2979 N91-26453
GULENKO, V. V.
Description of nonlinear effects in a relativistic plasma using Hamiltonian formalism 06 p0919 N91-15071
GULICK, V. C.
Water resources and hydrology of Mars 17 p2910 N91-26065
GULICK, VIRGINIA C.
Ancient oceans and Martian paleohydrology 11 p1820 N91-19997
GULKIS, S.
Technical considerations on using the large Nancay radio telescope for SETI 03 p0355 N91-11985
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
GULL, T. R.
The missing UV absorption lines of NGC 4151 09 p1444 N91-17962
GULLEY, THOMAS
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) evaluation report [DOT/FAA/CT-TN90/51] 12 p1924 N91-20587
GULLIVER, T. A.
Coding for frequency hopped spread spectrum satellite communications [ECE-89-1] 21 p3496 N91-29398
GULLIVER, T. AARON
Improving the ECCM performance of fast frequency hopping by diversity combining 16 p2616 N91-24479
GULLIXSON, CRAIG A.
HII regions in IC 1613: The ISM in a nearby dwarf irregular galaxy 05 p0746 N91-14157
GULTEPE, ISMAIL
Vertical velocities within a Cirrus cloud from Doppler lidar and aircraft measurements during FIRE: Implications for particle growth 01 p0077 N91-10461
GUMBERT, CLYDE
Three dimensional unstructured grids for the solution of the Euler equations 02 p0154 N91-10893
GUMLICH, H. E.
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
GUNDEL, DOUGLAS B.
Investigation of the effect of thermal exposure on the mechanical properties of titanium/SiC composites 19 p3130 N91-27293
GUNDERSEN, ARNE
Space research in Norway [NSC-REPT-(89)5] 03 p0318 N91-11781
GUNGA, H.-C.
Vertebral column length changes during simulated microgravity 11 p1747 N91-19604
GUNN, CHARLES R.
Current systems: Upper stages 20 p3292 N91-28201
Next generation: Unmanned launch vehicles and upper stages: The needs 20 p3293 N91-28210
GUNNING, GEORGE R.
The Phoenix Pluto Probe 08 p1102 N91-16053
GUNNINK, J. W.
New developments in fibre metal laminates (ARALL) 03 p0332 N91-11860

GUNST, R. F.
Statistical examination of climatological data relevant to global temperature variation
[DE91-007881] 11 p1735 N91-19540
GUNTER, WILLIAM D.
Apparatus for precision focusing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] 05 p0717 N91-14002
Multiple axis reticle
[NASA-CASE-ARC-11886-1-SB] 06 p0831 N91-14591
GUNZENHAUSER, JEFFREY D.
Results of a pilot study: Target identification using computer visual simulation of laser-induced contrast sensitivity deficits
[AD-A232899] 16 p2632 N91-24568
GUO, D.
Ionic two photon states and optical nonlinearity in (pi)-conjugated polymers
[DE91-006709] 10 p1505 N91-18284
GUO, HAN-YING
Operator formalism of multi-pole Virasoro algebra on Riemann sphere
[DE90-627217] 01 p0113 N91-10657
GUO, J.
Epitaxial TiO2 and VO2 films prepared by MOCVD (Metal-Organic Chemical Vapor Deposition)
[DE90-017806] 02 p0281 N91-11578
GUO, T.
A LEED study of the MgO(001) surface structure
[DE91-002811] 06 p0883 N91-14879
GUO, T.-H.
A distributed fault-detection and diagnosis system using on-line parameter estimation
[NASA-TM-104433] 17 p2840 N91-25696
GUO, TEN-HUEI
A simplified dynamic model of the Space Shuttle main engine
[NASA-TM-104421] 15 p2409 N91-23340
Alpha-canonical form representation of the open loop dynamics of the Space Shuttle main engine
[NASA-TM-104422] 16 p2613 N91-24469
Sensor failure detection and recovery by neural networks
[NASA-TM-104484] 16 p2677 N91-24815
GUO, X. Q.
Photoelectron diffraction of magnetic ultrathin films: Fe/Cu(001)
[DE91-007254] 11 p1807 N91-19924
GUPPY, ANDREW
An investigation into the potential use of psychometric instruments for the selection of firearms officers
[CRANFIELD-AERO-9108] 24 p4077 N91-32772
GUPTA, ARUN K.
Statistical mechanics of soft-boson phase transitions
[NASA-CR-188697] 20 p3402 N91-28858
GUPTA, K. K.
Development of an integrated aeroservoelastic analysis program and correlation with test data
[NASA-TP-3120] 18 p2921 N91-26113
GUPTA, KAJAL K.
STARS: An integrated general-purpose finite element structural, aeroelastic, and aeroservoelastic analysis computer program
[NASA-TM-101709-REV] 13 p2105 N91-21587
GUPTA, MANISH
Compile-time estimation of communication costs in multicomputers
[NASA-CR-188675] 20 p3384 N91-28747
GUPTA, MURLI M.
Spectrum transformation for divergent iterations
[NASA-TM-103745] 11 p1784 N91-19786
GUPTA, P.
FTIR studies of H2O and D2O decomposition on porous silicon surfaces
[AD-A226581] 04 p0503 N91-12792
FTIR studies reveal that silicon-containing laser-induced desorption products are surface reaction intermediates
[AD-A226582] 04 p0503 N91-12793
Ammonia decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A226625] 05 p0634 N91-13513
Comparison of hydrogen desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234633] 18 p2947 N91-26262
Comparison of H2 desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234634] 18 p2947 N91-26263
Desorption product yields following Cl2 adsorption on Si(111)7x7: Coverage and temperature dependence
[AD-A234635] 18 p2947 N91-26264
FTIR studies of water and ammonia decomposition on silicon surfaces
[AD-A234637] 18 p2948 N91-26265
GUPTA, PRADEEP K.
Modeling of stresses in coated solids
[AD-A227709] 07 p0970 N91-15323
GUPTA, RADHA R.
Omega/VLF signal coverage database development
[AD-A235226] 18 p2924 N91-26129
GUPTA, S. K.
ERBE and AVHRR Cirrus cloud fire study
01 p0079 N91-10472
GUPTA, SANDEEP
An integrated control/structure design method using multi-objective optimization 14 p2228 N91-22322
GUPTA, SHAIL A.
An incremental type inference system for the programming language Id
[AD-A230085] 12 p1955 N91-20756
GUPTA, SHANTI S.
On combining selection and estimation in the search for the largest binomial parameter
[AD-A226595] 05 p0709 N91-13953
GUPTA, UDAY
Investigation and modeling of radiation absorption processes and opacities in dense plasmas
[AD-A228749] 08 p1230 N91-16779
GUPTA, V.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526
GUPTILL, ROBERT
Hardware versus manpower compatibility methodology. Volume 1: Overview and manager's guide
[AD-A225122] 03 p0397 N91-12208
GURALNICK, S. A.
The hysteresis and incremental collapse of complex structures: A paradigm for the fatigue failure of materials
[AD-A234831] 18 p2999 N91-26563
GURDAL, ZAFER
A method for the geometrically nonlinear analysis of compressively loaded prismatic composite structures
[NASA-CR-184846] 13 p2100 N91-21561
GURFINKEL, VICTOR S.
Body proprioceptive references in weightlessness as studied by muscle tendon vibration
11 p1742 N91-19581
The reference systems for tactile perception and for the orientation with respect to body
11 p1761 N91-19691
Mental rotation of three-dimensional shapes in microgravity 11 p1762 N91-19694
GURLEY, L. R.
High-performance capillary electrophoresis of histones
[DE91-008585] 13 p2049 N91-21275
GURNETT, D. A.
Whistlers in Neptune's magnetosphere: Evidence of atmospheric lightning
[NASA-CR-187324] 02 p0293 N91-11642
Plasma waves associated with the space shuttle
06 p0918 N91-15064
High resolution measurements of density structures in the Jovian plasma sheet
[NASA-CR-188918] 24 p4123 N91-33043
GURNETT, DONALD A.
Radio wave remote sensing by Cluster and Regatta
01 p0072 N91-10439
Large scale motions of Neptune's bow shock: Evidence for control of the shock position by the rotation phase of Neptune's magnetic field
[NASA-CR-188059] 14 p2343 N91-22954
GURUSWAMY, GURU P.
CFD for applications to aircraft aeroelasticity
02 p0146 N91-10855
GURWELL, W. E.
The 70 percent tungsten heavy alloys: Processing and properties
[DE91-008259] 11 p1684 N91-19282
Hydrogen embrittlement effects on tensile properties of tungsten heavy alloys
[DE91-011332] 17 p2760 N91-25282
GUSELLAJUNIOR, EDSON
Access definition of multipoles characterized from indefinite admittance matrix
[INPE-4536-PRE/1283] 03 p0358 N91-12006
GUSHCHIN, V. V.
Description of nonlinear effects in a relativistic plasma using Hamiltonian formalism 06 p0919 N91-15071
GUSHUE, J. M.
Software supplier evaluation and assessment
04 p0459 N91-12564
GUSMEROLI, S.
The shell concept to ease the development of knowledge-based systems for spacecraft control
14 p2216 N91-22246
ESSOPE: Expert system for spacecraft operations planning and execution 14 p2218 N91-22258
GUSSENHOVEN, M. S.
Auroral boundary index from 1983 to 1990
[AD-A232845] 15 p2465 N91-23660
GUST, G.
Steady gradually accelerating flow in a smooth open channel 12 p1897 N91-20434
GUSTAFSON, J. L.
Toward a better parallel performance metric
[DE91-012627] 20 p3388 N91-28773
GUSTAFSON, JOHN
The design of a scalable, fixed-time computer benchmark
[DE91-007118] 10 p1566 N91-18609
GUSTAFSON, JOHN L.
Massively parallel computing system
[DE90-014683] 01 p0111 N91-10648
GUSTAFSSON, BERTIL
The Euler and Navier-Stokes equations. Wellposedness, stability and composite grids 24 p4012 N91-32427
GUSTAVESON, MARK B.
Aircraft interior noise reduction by alternate resonance tuning
[NASA-CR-186879] 02 p0266 N91-11488
GUSTAVSSON, A. I.
Long time measurements of landing gear loads on SAAB SF-340 commuter aircraft
[FFA-TN-1990-53] 15 p2374 N91-23138
Long time measurements of landing gear loads on SAAB SF-340 commuter aircraft 20 p3284 N91-28157
GUTHRIE, D. M.
Non-acoustic combustion instability in hybrid rocket motors 16 p2571 N91-24250
GUTHRIE, JERRY L.
Handbook for conducting analysis of the manpower, personnel, and training elements for a MANPRINT assessment
[AD-A235430] 19 p3258 N91-28022
GUTIERREZ-LUACES, B. O.
Digital test signal generation: An accurate SNR calibration approach for the DSN
10 p1512 N91-18322
GUTIERREZ, F.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
GUTIERREZ, ROBERTO
Seasonal air and water mass redistribution and its effect on satellite and polar motion 21 p3462 N91-29202
GUTKNECHT, MARTIN H.
An implementation of the look-ahead Lanczos algorithm for non-Hermitian matrices
[NASA-CR-188889] 24 p4085 N91-32820
GUTKOWSKI, GARY P.
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] 06 p0814 N91-14495
GUTLEBEN, H.
Research on silicon, carbon, and silicon carbide heterostructures
[AD-A231943] 14 p2249 N91-22444
Atomic hydrogen driven halogen extraction from Si(100): Eley-Rideal surface kinetics
[AD-A239544] 23 p3812 N91-31266
GUTMAN, D.
Studies of combustion kinetics and mechanisms
[DE91-007829] 11 p1680 N91-19259
GUTMAN, G.
Morphological and functional adaptation of personal equipment designed for female personnel
02 p0247 N91-11374
GUTMAN, LAWRENCE
A modulation quality factor for Low Probability of Intercept (LPI) communications systems
16 p2616 N91-24483
GUTMAN, MENACHEM
Probing of membrane's surface by dynamic measurements of proton diffusion
[AD-A230747] 12 p1977 N91-20877
GUTMARK, EPHRAIM
Fluid mixing device having a conical inlet and a noncircular outlet
[AD-D014708] 11 p1700 N91-19364
GUTOWSKI, MACIEJ
B(+)(S-1) + H2 yeilds BH(+)(sigma-2) + H: A Woodward-Hoffman forbidden ion-molecule reaction
[AD-A235885] 19 p3242 N91-27929
Ab initio quantum chemistry study of formamide-formamidic acid tautomerization
[AD-A235886] 19 p3242 N91-27930
GUTOWSKI, W. J.
Natural and anthropogenic climate change
[DE91-007363] 11 p1733 N91-19532
Natural and anthropogenic climate change
[DE91-014734] 20 p3371 N91-28673

GUTOWSKI, WILLIAM J., JR.
The impact of greenhouse climate change on the energetics and hydrologic processes of mid-latitude transient eddies
[NASA-CR-188203] 16 p2654 N91-24686
GUTT, G. M.
A computer model of the electrostatic positioning system 13 p2065 N91-21371
GUTTSCHOW, R. A.
Strength/grain-size relationships and internal stresses in YBa2Cu3O(x) superconductors
[DE91-011180] 17 p2873 N91-25891
GUTZMANN, KURT M.
Cooperative processing user interfaces for AdaNET
[NASA-CR-188239] 17 p2838 N91-25686
GUU, SY-MING
Two characterizations of sufficient matrices
[AD-A230319] 12 p1956 N91-20761
GUVEN, H.
Investigation of surface deformations by double exposure holographic interferometry
[DE91-619238] 16 p2630 N91-24564
GUVEN, N.
Contributions of polymers to bentonite and saponite fluids
[DE91-009855] 16 p2607 N91-24450
GUVENILIR, A.
Nondestructive imaging of materials microstructure using x ray tomographic microscopy
[DE91-008505] 13 p2099 N91-21554
GUY, DAVID R. P.
Multiple quantum well NIR optical modulators: A review of the potential for optical signal processing using III-V semiconductors 07 p0941 N91-15157
GUY, HAROLD J. B.
Heart-lung interactions in aerospace medicine 17 p2819 N91-25576
GUY, J.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845
GUY, LARRY J.
Pointing/roll mechanism for the ultraviolet coronagraph spectrometer 16 p2640 N91-24610
GUY, LORI ANN
The women in science and engineering scholars program 19 p3272 N91-28100
GUY, R. WAYNE
Hypersonic propulsion: Status and challenge 15 p2377 N91-23153
GUY, THU-HA
The effect of paint removal by natural bead blasting on the surface morphology of composite materials
[NIAR-90-24] 07 p0972 N91-15335
Use of natural particles for the removal of paint from aeronautical composite materials 10 p1454 N91-18015
GUYENNE, DUC T.
Report of the Deauville Conference on Education and Applications: A Planning Meeting for the International Space Year 1992
[ESA-SP-1130] 03 p0385 N91-12147
GUYENNE, DUC. T.
Backscatter lidar: The potential of a space-borne lidar for operational meteorology, climatology and environmental research. Report to the ATLID consultancy group
[ESA-SP-1121] 03 p0392 N91-12182
GUYENNE, T. D.
The indirect economic effects of the European Space Agency programs
[ESA-BR-63] 13 p2170 N91-21975
GUYENNE, T. DUC
Plasma Astrophysics
[ESA-SP-311] 06 p0916 N91-15046
GUYENNE, T.-D.
Report of the Consultancy Group on rain radar
[ESA-SP-1119] 04 p0548 N91-13042
GUYENNNE, T. DUC
International Symposium on Environmental Testing for Space Programmes: Test Facilities and Methods
[ESA-SP-304] 07 p0949 N91-15212
GUYNN, E. GAIL
Experimental observations and finite element analysis of the initiation of fiber microbuckling in notched composite laminates
[NASA-CR-185354] 05 p0676 N91-13756
GUZDAR, P. N.
Solitons and chaos in laser-plasma interaction 20 p3409 N91-28898
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
Joint proposal for US/USSR on nonlinear dynamics and plasma transport
[DE91-014360] 20 p3422 N91-28981
GUZMAN, F.
Mexico City air quality research initiative: An overview and some statistical aspects
[DE91-018045] 24 p4043 N91-32590
GVARAMADZE, V. V.
Large-scale vortices in compressible turbulent medium with the magnetic field 06 p0922 N91-15095
GWILLIAM, DAVID J., JR.
Separating boundary layer response to an unsteady turbulent environment
[AD-A231483] 14 p2187 N91-22081
GWIN, HAL S.
Low-noise nozzle valve
[NASA-CASE-MFS-28383-1] 06 p0826 N91-14563
GWO, DZ-HUNG
Tunable far infrared laser spectroscopy of van der Waals bonds: Ar-NH3
[DE90-011613] 09 p1306 N91-17166
GWYNNE, O.
Getting water from the water of hydration on Mars 17 p2911 N91-26072
Distillation of H2O from hard-frozen Martian permafrost 17 p2914 N91-26086
GYEKENYESI, JOHN P.
Calculation of Weibull strength parameters, Batdorf flaw density constants and related statistical quantities using PC-CARES
[NASA-TM-103247] 01 p0056 N91-10332
Structural reliability analysis of laminated CMC components
[NASA-TM-103685] 11 p1686 N91-19292
Thermal shock of fiber reinforced ceramic matrix composites
[NASA-TM-103777] 11 p1687 N91-19295
The method of lines in analyzing solids containing cracks
[NASA-TM-103626] 11 p1721 N91-19477
Mechanical behavior of fiber reinforced SiC/RBSN ceramic matrix composites: Theory and experiment
[NASA-TM-103688] 13 p2044 N91-21243
Structural design methodologies for ceramic-based material systems
[NASA-TM-103097] 14 p2252 N91-22460
GYEKENYESI, JOHN Z.
Polymeric routes to silicon carbide and silicon oxycarbide CMC
[NASA-TM-104372] 18 p2943 N91-26234
GYETVAY, S. R.
Long Duration Exposure Facility experiment M0003 deintegration/findings and impacts 16 p2718 N91-25046
Long Duration Exposure Facility experiment M0003 deintegration observations 16 p2718 N91-25047
Space environmental effects on coated optics 16 p2722 N91-25079
GYGAX, F. N.
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300
GYNTHER, J. W.
Radio aids to navigation requirements: The 1988 simulator experiment
[AD-A226235] 04 p0476 N91-12657
GYORFFY, B. L.
Order and disorder in metallic alloys
[DE91-009120] 15 p2400 N91-23292
GYOUGI, TORU
Development of solid-lubricated ball-screws for use in space 16 p2641 N91-24617
GYULASSY, M.
Elastic tracking versus neural network tracking for very high multiplicity problems
[DE91-011825] 20 p3387 N91-28768

H

HA, MAN YEONG
A theoretical study of augmentation of particle combustion via acoustic enhancement of heat and mass transfer 09 p1309 N91-17186
HAACK, TRACY
Boundary layer roll circulations during FIRE 01 p0089 N91-10521
HAAG, THOMAS W.
Medium power hydrogen arcjet performance
[NASA-TM-104533] 23 p3804 N91-31216
HAAKE, F. K.
Fatigue and fracture of titanium aluminides
[AD-A226737] 07 p0979 N91-15374
HAAKEGAARD, JAN ERIK
Measurement of RCS for a moving target by use of medium-PRF radar
[FFI-90/7047] 22 p3665 N91-30403
HAALAND, C. M.
Perturbed environment assessments for space vehicles
[DE91-012630] 20 p3290 N91-28188
HAALAND, D. M.
FTIR (Fourier Transform Infrared) spectrophotometry for thin film monitors: Computer and equipment integration for enhanced capabilities
[DE91-001228] 06 p0879 N91-14853
Quantitative infrared determination of composition and properties of Borophosphosilicate Glass (BPSG) thin films using multivariate calibration
[DE90-017030] 09 p1319 N91-17243
HAAN, S. W.
Modeling of weakly nonlinear hydrodynamic instabilities in inertial fusion
[DE91-008729] 12 p1984 N91-20914
Large growth Rayleigh-Taylor experiments on Nova
[DE91-012885] 20 p3418 N91-28955
HAAR, THOMAS H.
Cloud data collection, composites and analysis for Whole-Sky Imager (WSI) studies
[AD-A238531] 21 p3544 N91-29690
HAARTSEN, JACOBUS CORNELIS
Programmable surface acoustic wave detection in silicon: Design of programmable filters
[ETN-91-98568] 08 p1224 N91-16746
HAAS, C.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
HAAS, F. A.
Issues in direct numerical simulation of plasma turbulence and transport 20 p3410 N91-28901
HAAS, MICHAEL R.
Far-infrared spectroscopy of NGC 6946, IC 342, and Arp 299 05 p0737 N91-14114
HAAS, WOLFGANG
Experimental and theoretical examinations of film cooling of gas turbine blades
[ETN-91-98554] 08 p1097 N91-16022
HAASE, KEN
Soft objects: A paradigm for object oriented programming
[AD-A225513] 04 p0561 N91-13111
HABER, C.
Evaluation of the x ray response of a position-sensitive microstrip detector with an integrated readout chip
[DE91-004414] 07 p0998 N91-15482
HABER, JEROLD M.
Study to determine seismic response of sonic boom-coupled Rayleigh waves
[AD-A225105] 03 p0390 N91-12173
Seismic response to sonic boom-coupled Rayleigh waves
[AD-A225104] 04 p0546 N91-13029
HABER, S.
Electrophoretic and electrolytic deposition of ceramic particles on porous substrates
[AD-A227371] 06 p0813 N91-14488
HABERL, F.
XSPEC: An x ray spectral fitting package. Version 2 of the user's guide
[NASA-TM-105007] 22 p3732 N91-30776
HABERLE, R. M.
Characteristics of the Martian atmosphere surface layer 14 p2348 N91-22988
Free convection in the Matian atmosphere 14 p2349 N91-22989
HABERLE, ROBERT M.
Sand and Dust on Mars
[NASA-CP-10074] 18 p3085 N91-27057
Dust in the Mars atmosphere 18 p3090 N91-27082
HABERLIN, GAIL MAUREEN
Calculation of containment concentrations while coating the interior of a bulk storage fuel tank
[AD-A224930] 03 p0349 N91-11948
HABIB-AGAHI, HAMID
Ada software productivity prototypes: A case study 01 p0106 N91-10613
HABLE, CHRISTOPHER T.
Electrocatalytic oxidation of methanol by assemblies of platinum/tin catalyst
[AD-A233291] 16 p2620 N91-24509
HABTE-MARIAM, YITBAREK
Organosilicon polymers incorporating the bicyclo(2.2.2)-octane moiety
[AD-A234966] 18 p2964 N91-26361
HACHAM, H.
Pyrimidine dimer formation by UVA radiation: Implications for photoreactivation
[DE91-015837] 23 p3898 N91-31756

HACHEM, NABIL I.
Northeast Artificial Intelligence Consortium (NAIC). Volume 12: Computer architecture for very large knowledge bases
[AD-A234891] 18 p3047 N91-26826
HACK, K. J.
Solar electric propulsion for Mars transport vehicles
[NASA-TM-103234] 11 p1665 N91-19178
HACK, MARGHERITA
Low resolution ultraviolet spectra of Herbig Ae-Be stars 09 p1433 N91-17893
HACKEL, R. P.
High power CW performance from a Ti:Sapphire laser and a single-pass amplifier
[DE91-005269] 09 p1343 N91-17378
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
A 43 watt CW Ti:Sapphire laser
[DE91-010468] 15 p2433 N91-23479
HACKENBURG, R. W.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
HACKER, JOERG M.
The FIAMS research aircraft or small is beautiful
14 p2288 N91-22655
HACKETT, BRUCE E.
Project Cerberus: Flyby mission to Pluto
08 p1101 N91-16048
HACKMAN, L. E.
Direct cast titanium aluminide strip
[AD-A231906] 14 p2246 N91-22424
HACKMAN, LLOYD E.
Direct cast titanium alloy strip
[AD-A227639] 07 p0979 N91-15375
HACKNEY, S. A.
Boundary stability under nonequilibrium conditions
[DE91-009262] 15 p2401 N91-23293
HACKSTEIN, H. J.
Interior noise control program for the advanced commuter aircraft Dornier 328 and first results
03 p0307 N91-11717
HACKWELL, JAMES A.
IR emission and UV extinction in two open clusters
06 p0892 N91-14929
Observational constraints on interstellar dust models
06 p0904 N91-14996
HACKWELL, JOHN A.
High spatial-resolution IRAS images of M51
05 p0756 N91-14207
HACKWORTH, JOHN A.
Meteor burst communications study
[AD-A228641] 08 p1128 N91-16204
HADAS, ERAN
Eupergit C as a carrier for HPLC-based immuno-purification of antigens and antibodies
14 p2295 N91-22691
Reduction of nonspecific adsorption of serum proteins to Eupergit C and agarose 14 p2296 N91-22692
Adipic dihydrazide-Eupergit C: A new derivative for oriented immobilization of monoclonal antibodies
14 p2296 N91-22694
Enhanced activity of immobilized dimethymaleic anhydride-protected poly- and monoclonal antibodies
14 p2296 N91-22695
HADDACK, THOMAS F.
Millimeter-wave radar scattering from terrain: Data handbook, version 2.0
[AD-A228392] 09 p1322 N91-17260
HADDAD, A. H.
Estimation and control of nonlinear and hybrid systems
[AD-A236938] 19 p3160 N91-27471
HADDELAND, PETER
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697
HADDICK, CLYDE M., JR.
Adaptive data acquisition multiplexing system and method
[NASA-CASE-MSC-21170-1] 06 p0791 N91-14371
HADDOW, C. R.
Mission planning systems for scientific and remote sensing satellites: A comparative analysis
14 p2213 N91-22226
HADENFELDT, A. C.
Development and evaluation of packet video schemes
[NASA-CR-187690] 07 p0990 N91-15433
HADJICONSTANTINOU, E.
Computer assisted analysis and modelling of structured problems
[AD-A233592] 16 p2671 N91-24784
HADJIPANAYIS, G. C.
Fundamental magnetic studies of iron-rare-earth-metalloid alloys
[DE91-014816] 20 p3321 N91-28383
HADLEY, G. R.
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510
Strained quantum well leaky-mode diode laser arrays
[DE91-009982] 15 p2433 N91-23477
HAEDER, DONAT-P.
Cellular functions of Paramecium under different gravity conditions 11 p1751 N91-19631
Graviorientation in photosynthetic flagellates
11 p1758 N91-19673
Simultaneous tracking of flagellates in real time by image analysis 11 p1759 N91-19677
HAEGGMARK, T.
Muscle function impairment following lower limb unloading in men 11 p1749 N91-19616
HAEHNER, CARL L.
High temperature solder device for flat cables
[NASA-CASE-GSC-13344-1] 20 p3317 N91-28363
HAEMMAEINEN, HEIKKI
Form-based approach to distributed cooperative work
[ACTA-POLYTEC-SCAND-MA-58]
22 p3768 N91-31008
HAENSEL, PAWEL
Dibaryons in neutron stars
[NASA-CR-188704] 20 p3443 N91-29109
HAERENDEL, G.
The role of the equatorial electrojet in the evening ionosphere
[MPE-PREPRINT-184] 08 p1180 N91-16494
Theory for modeling the equatorial evening ionosphere and the origin of the shear in the horizontal plasma flow
[MPE-PREPRINT-185] 08 p1180 N91-16495
Computer simulations of medium wavelength irregularities in the equatorial ionosphere resulting from artificially produced density enhancements
[MPE-PREPRINT-186] 08 p1180 N91-16496
HAERENDEL, GERHARD
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
HAERTIG, J.
Noise prediction for a three-dimensional blade/line vortex interaction
[ISL-CO-226/89] 03 p0415 N91-12322
Effect of non-rectangular blade tips on BVI noise for a two-bladed rotor
[ISL-CO-217/90] 12 p1975 N91-20866
Calculation of thickness and charge noise radiated by a rotor in forward flight
[ISL-R-119/89] 13 p2148 N91-21831
Blade-wake interaction on a two blade rotor with prediction of the radiated noise stationary and forward flight, comparison between calculation, and experiment
[ISL-R-120/89] 13 p2148 N91-21832
HAERTIG, JACQUES
Modeling blade/vortex interactions
[ISL-R-107/89] 01 p0003 N91-10016
Rotor loads computation using singularity methods and application to the noise prediction
[ISL-PU-301/90] 01 p0004 N91-10018
HAERTLING, GENE
Environmental test program for superconducting materials and devices
[NASA-CR-188654] 19 p3250 N91-27981
HAERTLING, GENE H.
Development and evaluation of superconducting circuit elements
[NASA-CR-187344] 04 p0517 N91-12875
High Tc superconducting materials and devices
04 p0594 N91-13315
Development of high Tc (greater than 110K) Bi, Tl and Y-based materials as superconducting circuit elements
[NASA-CR-188581] 18 p3068 N91-26948
Method of preforming and assembling superconducting circuit elements
[NASA-CASE-LAR-14395-1-CU]
20 p3339 N91-28490
HAESSNER, F.
Alloy formation (TEXUS 5) 23 p3837 N91-31398
HAFELE, JOSEPH C.
Noise in laser oscillator systems
04 p0594 N91-13316
HAFF, K. W.
Radioluminescent (RL) airfield lighting system program
[DE91-001007] 07 p0946 N91-15186
Florida radioluminescent taxiway light development program
[DE91-005650] 11 p1652 N91-19104
Radioluminescent (RL) lighting system development program
[DE91-009743] 15 p2416 N91-23381
HAFFNER, J. W.
A flight experiment to determine GPS photochemical contamination accumulation rates
11 p1662 N91-19159
HAFIZI, B.
Key physics issues affecting the performance of free electron lasers
[AD-A229992] 12 p1903 N91-20467
Evolution of a finite pulse of radiation in a high-power free-electron laser
[AD-A237427] 21 p3523 N91-29568
HAFKENSCHEID, L. M.
Impact of SASS wind data on analyses and forecasts of a fine mesh limited area model
[BCRS-89-38] 01 p0093 N91-10544
HAFLEY, JOHANNA L.
A comparison of the aging kinetics of a cast Alumina-6061 aluminum composite and a monolithic 6061 aluminum alloy
[AD-A225398] 03 p0342 N91-11916
HAFSTEINSSON, HJALMTYR
Approximating treewidth, pathwidth, and minimum elimination tree height
[RUU-CS-91-01] 23 p3911 N91-31836
HAFTKA, RAPHAEL T.
Evaluation of alternatives for best-fit paraboloid for deformed antenna surfaces 01 p0053 N91-10313
A discourse on sensitivity analysis for discretely-modeled structures
[NASA-TM-104065] 13 p2103 N91-21577
Stacking-sequence optimization for buckling of laminated plates by integer programming
[NASA-TM-104033] 13 p2104 N91-21580
Recent advances in approximation concepts for optimum structural design
[NASA-TM-104032] 14 p2193 N91-22113
Control effort associated with model reference adaptive control for vibration damping 14 p2229 N91-22329
Sensitivity-based scaling for correlating structural response from different analytical models
[NASA-TM-104042] 14 p2274 N91-22578
HAGE, J. I.
Scattering by fluffy grains 06 p0903 N91-14992
A comparative study of the continuum and emission characteristics of comet dust. 1: Are the silicates in Comet Halley and Kohoutek amorphous or crystalline
06 p0906 N91-15005
HAGE, JONIEK I.
The dust in the coma of Comet Halley
10 p1621 N91-18943
HAGEDOORN, F. P.
Detection of soil moisture using X-band SLAR records in a sandy area
[BCRS-90-08] 08 p1168 N91-16427
HAGEDORN, K. E.
Investigations into fracture mechanics failure concepts with thermomechanically rolled steels
[BLL-OA-TRANS-4238-(6196.3)]
18 p2998 N91-26556
HAGEDORN, NORMAN H.
The Au cathode in the system Li2CO3-CO2-CO at 800 to 900 C 24 p4036 N91-32551
HAGELSTEIN, P.
Short-pulse glass slab amplifier
[DE91-015385] 21 p3525 N91-29580
The MIT short-wavelength laser project
[DE91-015357] 21 p3525 N91-29582
HAGELSTEIN, P. L.
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
HAGELSTEIN, PETER L.
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
HAGEMEYER, BARTLETT C.
Three initial climatological studies for Melbourne, Florida: A first step in the preparation for future operations
[PB91-100222] 09 p1358 N91-17463
HAGEN, GARY D.
Space systems requirements: The Navy approach
[AD-A236490] 20 p3288 N91-28181
HAGEN, MARTIN
Methods for the automatic de-aliasing of the Doppler velocity of a weather radar
[DLR-FB-91-08] 24 p3983 N91-32249
HAGER, E. PAUL
Traffic model for advanced satellite designs and experiments for ISDN services
[NASA-CR-188802] 23 p3801 N91-31200
Interim Service ISDN Satellite (ISIS) network model for advanced satellite designs and experiments
[NASA-CR-186565] 23 p3854 N91-31488
HAGFORS, TOR
Incoherent scatter radar observations of the ionosphere 18 p3010 N91-26623

HAGGAG, FAHMY M.
Effects of irradiation on initiation and crack-arrest toughness of two high-copper welds and on stainless steel cladding
[DE91-001272] 06 p0809 N91-14467
HAGGERTY, M.
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009
HAGHIGHI, H.
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
HAGHIGHI, N.
Performance evaluation of multiversion database systems
[DE91-014340] 20 p3440 N91-29090
HAGIS, SHLOMIT
Logical relations and program schemas
[ITN-90-85058] 07 p1041 N91-15712
HAGIWARA, MIYUKI
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
HAGLUND, R. F., JR.
Laser-induced fluorescence and nonlinear optical properties of ion-implanted fused silica
[DE91-004523] 09 p1317 N91-17232
HAGMAN, JOSEPH D.
Distributed Training Technology Cost Analysis Templates (TTCATS): User's manual
[AD-A235893] 19 p3225 N91-27826
HAGMANN, CHRISTIAN ALEXANER
A search for cosmic axions 20 p3443 N91-29104
HAGMANN, ROBERT B.
Rebuilding database caches during fast crash recovery
[PB91-113050] 12 p1996 N91-20986
HAGN, G. H.
Natural and man-made noise and interference: Mechanisms and characteristics 19 p3147 N91-27391
Toward a global model of HF other-user interference 22 p3660 N91-30372
HAGWOOD, C.
Mathematical treatment of the spherical stereology
[PB90-257593] 02 p0262 N91-11464
HAGYARD, M. J.
Coaligned observations of solar magnetic fields at different heights: MSFC Center director's discretionary fund final report (Project No. 88-10)
[NASA-TM-103516] 01 p0141 N91-10832
HAHN, C.
Comparison between the interfacial chemistry of metallized polyimides and polymide
[AD-A238400] 21 p3490 N91-29366
HAHN, CAROLE J.
Cloud information for FIRE from surface weather reports 01 p0075 N91-10452
HAHN, CHARLES D.
Analytical study of the effects of weight on Light Helicopter (LH) exposure to ground-based weapons
[AD-A232024] 15 p2375 N91-23141
HAHN, G. T.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526
HAHN, H.
Perturbation treatment of the longitudinal coupling impedance of a toroidal beam tube
[DE91-013884] 20 p3339 N91-28495
HAHN, K.
High order calculation of the multipole content of three dimensional electrostatic geometries
[DE91-014707] 20 p3336 N91-28476
HAHN, K.-U.
Effect of wind and wind variation on aircraft flight-paths 02 p0168 N91-10972
Wind models for flight simulation 02 p0168 N91-10975
HAHN, P. A.
A model for the prediction of Nb3Sn critical current as a function of field, temperature, strain, and radiation damage
[DE91-000656] 08 p1229 N91-16775
HAHN, S.
Donor formation under hydrogen plasma exposure and ion implantation
[DE91-011958] 20 p3426 N91-29004
Depth profiles for hydrogen-assisted thermal donor formation in silicon
[DE91-015719] 23 p3931 N91-31971
HAHN, SANG JUNE
Theoretical studies of nonlinear sheath dynamics 20 p3409 N91-28896
HAHN, SANGKOO F.
Semi-custom integrated circuit amplifier and level discriminator for nuclear and space instruments
[DE91-001951] 05 p0652 N91-13620
HAHN, YUNGSUN
Stochastic adaptive control for a class of dual control problems 16 p2674 N91-24799
HAHNE, DAVID E.
Full-scale semispan tests of a business-jet wing with a natural laminar flow airfoil
[NASA-TP-3133] 22 p3613 N91-30098
HAHS, C. A.
High-temperature metal purification using a compact, portable rf heating and levitation system on the wake shield 13 p2064 N91-21363
High temperature metal purification using a compact portable rf heating and levitation system on the wake shield 13 p2064 N91-21365
HAI, T.
Critical behavior in magnetic superlattices
[AD-A231327] 13 p2162 N91-21925
HAIDER, O.
Basic material data and structural analysis of fiber composite components for space application
[MBB-UD-582-90-PUB] 03 p0326 N91-11811
HAIDER, OTMAR
Thermal insulation of a cryogenic tank for a space telescope using a pretensioned suspension of Fiber Reinforced Composite (FRC)
[MBB-UD-0571-90-PUB] 11 p1817 N91-19981
HAIDT, D.
Searching for the Higgs in ep collisions at LEP/LHC
[DE91-015701] 23 p3925 N91-31930
HAIGH, S. J.
The electromagnetic environment in CFC structures 24 p4052 N91-32638
Lightning protection design and testing of an all composite wet wing for the Egrett 24 p4053 N91-32642
Measurements of some parameters of thermal sparks with respect to their ability to ignite aviation fuel/air mixtures 24 p4064 N91-32705
HAIGHT, R. C.
Ground state Garnow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
New techniques in neutron data measurements above 30 MeV
[DE91-013690] 20 p3403 N91-28861
HAIGIS, JOHN
Novel on-line characterization method for suspended particles
[PB90-257478] 09 p1332 N91-17315
HAILEY, C. E.
Benchmarking numerical predictions with force and moment measurements on slender, supercavitating bodies
[DE91-007066] 15 p2425 N91-23432
A numerical approach for modelling cavitating flows
[DE91-009178] 20 p3342 N91-28505
HAILEY, CHARLES J.
The design and construction of an Automated Multi-Object Spectroscopy system (AMOS)
[DE90-011497] 08 p1109 N91-16088
HAIM, ILAN
Simulation and analysis of high efficiency absorption systems for solar cooling, phase 2
[DE90-010964] 09 p1354 N91-17439
HAIMBACH, STEPHEN P.
Active/passive optical hydrography
[AD-A230697] 12 p1918 N91-20549
HAIMSON, J.
A chopper driven 11.4-GHz traveling-wave RF generator
[DE91-013568] 20 p3339 N91-28489
HAINES, A. B.
Store carriage, integration, and release 06 p0772 N91-14281
HAINES, D. MARK
Modeling and design for a new ionospheric modification experiment 10 p1549 N91-18523
HAINES, G. H.
Development of undercarriage design loads 20 p3283 N91-28153
HAINES, J. E.
Spacecraft power system concerns regarding failure modes within complex integrated circuits and hybrid packages 24 p3993 N91-32308
HAINES, R. F.
Collaboration technology and space science
[NASA-CR-188861] 24 p4089 N91-32846
HAINES, T. J.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848
HAINLEY, DONALD C.
User's manual for the Heat Pipe Space Radiator design and analysis Code (HEPSPARC)
[NASA-CR-187067] 14 p2234 N91-22358
HAIRE, RICHARD G.
Electronic, structural and transport properties of (almost) rare-earth-like actinide hydrides
[DE90-016491] 01 p0130 N91-10771
HAJALI, RAMI
Nonlinear behavior of fiber composite materials and its effect on the postbuckling response of laminated plates
[AD-A234203] 18 p2940 N91-26218
HAJEK, T. J.
Effects of rotation on coolant passage heat transfer. Volume 1: Coolant passages with smooth walls
[NASA-CR-4396-VOL-1] 22 p3679 N91-30489
HAJELA, P.
Vibration control and optimization in composite structural elements by use of add-on viscoelastic materials
[AD-A238533] 21 p3533 N91-29628
HAJELA, PRABHAT
Applications of artificial neural nets in structural mechanics
[NASA-TM-102420] 13 p2100 N91-21559
HAJJAR, MARCELLE
An intelligent computer-to-computer transmission package
[PB91-163055] 22 p3726 N91-30737
HAKIEL, ZBIGNIEW
The buckling of off-axis, orthotropic, cylindrical shells in torsion 06 p0837 N91-14628
HAKKILA, JON
BATSE software for the analysis of the gamma ray burst spatial distribution 10 p1629 N91-18984
HAKUN, CLAEF
A synchronous chopper mechanism for use at cryogenic temperature 16 p2640 N91-24613
HALAMA, H.
Ion clearing and photoelectron production in the 200 MeV SXLS ring
[DE91-017156] 24 p4100 N91-32907
HALARY, JEAN-LOUIS
Composite matrix deformation process in relation to molecular structure
[ETN-91-99915] 23 p3806 N91-31232
HALASA, A. F.
Evaluation of domain spacing scaling laws for semicrystalline diblock copolymers
[AD-A231958] 14 p2249 N91-22445
HALBERSTAM, ISADORE M.
A study of the interaction of physical and numerical parameterizations with regard to moisture forecasting in a regional model of the atmosphere
[AD-A227966] 08 p1178 N91-16488
HALBERSTAM, ISIDORE
Semi-implicit time integration in limited area model
[AD-A226818] 06 p0866 N91-14785
HALBERT, M. L.
Study of spin-temperature effects using energy-ordered continuum gamma ray spectroscopy technique
[DE91-002854] 06 p0872 N91-14818
HALBFINGER, ELIEZER M.
The range scheduling aid 12 p1940 N91-20675
HALBLEIB, L. L.
Implementation of a QML (Qualified Manufacturer's List) methodology for discrete semiconductors
[DE90-015715] 02 p0221 N91-11235
HALD, H.
Development and real-test of a ramjet nozzle made of liquid-silicon-infiltrated C/SiC 03 p0332 N91-11856
HALE, DAVE
Stable explicit depth extrapolation of seismic wavefields
[DE91-001445] 06 p0846 N91-14674
The 3-D depth migration via McClellan transformations
[DE91-001446] 06 p0846 N91-14675
HALE, J. R.
Develop and test an Internally Cooled, Cabled Superconductor (ICCS) for large scale MHD magnets
[DE91-005536] 10 p1609 N91-18882
MIT ASTROMAG 1.7 meter disk magnet design report
[NASA-CR-187931] 14 p2322 N91-22824
HALE, JEFFREY S.
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737
HALE, MICHAEL E.
The effect of the Commercial Space Launch Act on Department of Defense contract administration
[AD-A229497] 22 p3763 N91-30975
HALE, P. D.
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828

HALES, J. E.
Severe thunderstorm cases of July 1989 thru June 1990
[PB91-201392] 24 p4070 N91-32738
HALES, J. M.
Atmospheric source-receptor relationships: Concepts and terminology
[DE91-001033] 06 p0843 N91-14656
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
HALES, STEPHEN J.
Superplastic forming of Al-Li alloys for lightweight, low-cost structures 15 p2539 N91-24065
HALES, WALTER L.
Nonintrusive electro-optic field sensor
[AD-D014620] 07 p1067 N91-15871
HALEY, PAMELA J.
Pressure visualization (PreViz) package version 1.0 user's guide
[NASA-CR-187444] 05 p0701 N91-13907
HALEY, SAM
Systems Engineering and Integration (SE and I) 09 p1279 N91-17032
HALFORD, GARY R.
Stirling engine: Available tools for long-life assessment
[NASA-TM-103660] 04 p0537 N91-12980
Application of thermal life prediction model to high-temperature aerospace alloys B1900+Hf and Haynes 188
[NASA-TM-4226] 11 p1721 N91-19473
Thermomechanical and bithermal fatigue behavior of cast B1900 + Hf and wrought Haynes 188
[NASA-TM-4225] 12 p1869 N91-20268
HALL, A.
Optimisation of operational workload levels using neurophysiological and cognitive techniques 08 p1193 N91-16560
HALL, C. A.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Thermal and electrostrictive expansion characteristics of MLC (multilayer ceramic) capacitors
[DE91-005962] 10 p1518 N91-18357
Performance of hypervelocity armatures with replenished metal vapor plasmas
[DE91-011931] 18 p2934 N91-26187
HALL, C. R.
Biomass production and nitrogen dynamics in an integrated aquaculture/agriculture system 23 p3904 N91-31789
HALL, D. J.
Conceptual design and system studies for a 600 kW repetitive pulse transformer
[DE91-010585] 15 p2418 N91-23389
HALL, DANA
The role of software engineering in the space station program 11 p1774 N91-19729
HALL, DAVID F.
Photochemical spacecraft self-contamination: Laboratory results and systems impacts
[AD-A226488] 04 p0493 N91-12739
HALL, DAVID G.
Noise measurements from an ejector suppressor nozzle in the NASA Lewis 9- by 15-foot low speed wind tunnel
[NASA-TM-103628] 02 p0266 N91-11493
The effect of swirl recovery vanes on the cruise noise of an advanced propeller
[NASA-TM-103625] 02 p0267 N91-11494
HALL, DAVID K.
Augmentation of the space station module power management and distribution breadboard 12 p1942 N91-20685
HALL, DAVID W.
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 1: Human interface CSCI
[AD-A231752] 14 p2305 N91-22737
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 2: Data management CSCI
[AD-A231753] 14 p2305 N91-22738
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 3: Business graphics CSCI
[AD-A231754] 14 p2305 N91-22739
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 7: Internal processing CSCI
[AD-A231755] 14 p2306 N91-22740
Operational concept document for the Mapping And Graphic Information Capability (MAGIC)
[AD-A231882] 14 p2307 N91-22746
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 5: Graphic editor CSCI
[AD-A233266] 16 p2669 N91-24773
HALL, DOUGLAS S.
Solving the BM Camelopardalis puzzle 19 p3273 N91-28104
HALL, E. J.
Radiation physics, biophysics, and radiation biology
[DE90-011544] 08 p1220 N91-16722
Radiation physics, biophysics, and radiation biology
[DE91-012683] 20 p3378 N91-28716
HALL, EDWARD J.
Investigation of advanced counterrotation blade configuration concepts for high speed turboprop systems. Task 2: Unsteady ducted propfan analysis
[NASA-CR-187106] 17 p2729 N91-25113
Thermodynamics of the liquid mixture carbon dioxide + butane below 285 K
[PB91-185009] 22 p3648 N91-30302
HALL, EDWARD JOSEPH
Simulation of time-dependent compressible viscous flows using central and upwind-biased finite difference techniques 01 p0040 N91-10234
HALL, FREEMAN F.
A four-lidar view of Cirrus from the FIRE IFO: 27-28 October 1986 01 p0080 N91-10478
HALL, G. WARREN
NASA/Ames Research Center's science and applications aircraft program 17 p2792 N91-25448
HALL, GEORGE L.
High energy laser beam pattern analysis
[AD-A228016] 07 p1009 N91-15538
HALL, GREGORY M.
Solid propellant temperature profiles obtained through embedded microthermocouples
[AD-A229975] 12 p1877 N91-20318
HALL, I. W.
Kinetic studies of atmospheric reactions 14 p2284 N91-22632
HALL, J. S.
Content addressable memory project
[AD-A234524] 18 p3037 N91-26763
HALL, JAY S.
Pulsed laser beam deviation apparatus
[AD-D014781] 12 p1905 N91-20480
HALL, JEFFERY L.
An experimental investigation of structure, mixing, and combustion in compressible turbulent shear layers
[AD-A235278] 18 p2950 N91-26281
HALL, JOHN B., JR.
Subsystems component definitions summary program
[NASA-TM-4247] 07 p1042 N91-15714
HALL, JOHN W.
Examination of RTCA/DO-198 position reconstruction algorithms for area navigation with the microwave landing system
[AD-A224804] 04 p0474 N91-12648
A Gaussian algorithm using coordinate rotation for area navigation operations with the microwave landing system
[AD-A225642] 04 p0475 N91-12653
HALL, KEN G.
Analytical study of the effects of weight on Light Helicopter (LH) exposure to ground-based weapons
[AD-A232024] 15 p2375 N91-23141
HALL, KENNETH C.
Calculation of unsteady linearized Euler flows in cascades using harmonically deforming grids
[NASA-CR-188916] 24 p4014 N91-32442
HALL, KENNETH R.
The 3-D laser anemometer study of compressible flow through orifice plates
[PB90-216771] 01 p0046 N91-10273
HALL, L. C.
The effect of shower/bath frequency on the health and operational effectiveness of soldiers in a field setting
[DE91-017545] 24 p4073 N91-32758
HALL, L. E.
Application of multidisciplinary optimization methods to the design of a supersonic transport
[NASA-TM-104073] 15 p2374 N91-23135
HALL, L. L.
Regression on medians of probability distributions
[PB91-177006] 22 p3747 N91-30882
HALL, M. G.
Fundamental studies of beta phase decomposition modes in titanium alloys
[AD-A230550] 12 p1870 N91-20276
HALL, MARY J.
Human performance concerns for the TRACKWOLF system
[AD-A231359] 13 p2130 N91-21722
HALL, P.
On the receptivity and non-parallel stability of travelling disturbances in rotating disk flow
[NASA-CR-187486] 08 p1092 N91-15996
Evaluation of bearing configurations using the single bearing tester in liquid nitrogen
[NASA-TM-103527] 13 p2095 N91-21532
MSCC console demonstrator project 14 p2222 N91-22284
HALL, PHILIP
The inviscid secondary instability of fully nonlinear longitudinal vortex structures in growing boundary layers
[NASA-CR-187455] 01 p0004 N91-10021
Vortex instabilities in 3D boundary layers: The relationship between Goertler and crossflow vortices
[NASA-CR-187456] 01 p0004 N91-10022
The effect of wall compliance on the Goertler vortex instability
[NASA-CR-187477] 06 p0777 N91-14308
On a class of unsteady three-dimensional Navier Stokes solutions relevant to rotating disc flows: Threshold amplitudes and finite time singularities
[NASA-CR-187482] 08 p1091 N91-15991
On the Goertler instability in hypersonic flows: Sutherland law fluids and real gas effects
[NASA-CR-187481] 08 p1092 N91-15994
Nonlinear development and secondary instability of Gortler vortices in hypersonic flows
[NASA-CR-187563] 16 p2549 N91-24127
HALL, R. C.
An architecture for accommodating referenceability among intelligent electronic documents
[DE91-008250] 11 p1814 N91-19964
Compilation and representation of intelligent electronic documents: An architecture for referenceability
[DE91-012635] 21 p3603 N91-30045
HALL, RALPH M.
National Aeronautics and Space Administration Multiyear Authorization Act of 1991 18 p3083 N91-27046
HALL, RICHARD BRIAN
Matrix-dominated thermoviscoplasticity in fibrous metal-matrix composite materials 24 p3969 N91-32173
HALL, ROBERT J.
Program improvement by automatic redistribution of intermediate results
[AD-A235086] 18 p3041 N91-26791
HALL, STEPHEN W.
Effect of LEO cycling on 125 Ah advanced design IPV nickel-hydrogen flight cells. An update
[NASA-TM-104384] 14 p2237 N91-22375
Effect of KOH concentration on LEO cycle life of IPV nickel-hydrogen flight cells. An update
[NASA-TM-104383] 14 p2237 N91-22376
Destructive physical analysis results of Ni/H2 cells cycled in LEO regime
[NASA-TM-104382] 15 p2391 N91-23233
HALL, WILLIAM B.
Proceedings of the Advisory Committee on standardization of carbon-phenolic test methods and specifications
[NASA-CR-188678] 19 p3122 N91-27246
Proceedings of the 7th Semiannual Meeting of the Nozzle Initiative Industry Advisory Committee on Standardization of Carbon-Phenolic Test Methods and Specifications
[NASA-CR-188720] 22 p3642 N91-30271
HALL, WILLIAM E.
Research pathology and special techniques
[NASA-CR-187828] 08 p1207 N91-16639
HALLADA, MARC R.
A numerical model of laser induced fluorescence in a hydrogen plasma
[AD-A232240] 15 p2433 N91-23482
HALLAKOUN, IRIT FELDSTEIN
The electrochemical behavior of microband electrodes and ensembles of microelectrodes
[ITN-90-85037] 07 p0973 N91-15341
HALLANDER, J. E.
Acoustic radiation from fluid-loaded, ribbed cylindrical shells excited by different types of concentrated mechanical drives
[AD-A235324] 18 p3057 N91-26887
HALLBERT, BRUCE P.
Examining human-system interactions: The HSYS (human system) methodology
[DE91-006150] 09 p1373 N91-17546
HALLENBECK, JOHN M.
The Trendelenburg position after cerebral air embolism in dogs: Effects on the somatosensory evoked potential, intracranial pressure, and blood-brain barrier
[AD-A233809] 18 p3020 N91-26673
HALLER, E. E.
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
Interfacial reactions between thin films of Co and InP(100)
[DE91-011910] 17 p2874 N91-25896

Long-wavelength germanium photodetectors by ion implantation
[DE91-013848] 20 p3432 N91-29038
HALLER, EUGENE E.
Pyroelectric detectors 06 p0794 N91-14390
Electronic properties of hydrogen-related complexes in pure semiconductors
[DE91-004245] 07 p1071 N91-15894
Hydrogen in semiconductors
[DE91-005292] 10 p1604 N91-18850
Impurities, defects and diffusion in semiconductors: Bulk and layered structures, volume 163
[AD-A229590] 22 p3759 N91-30952
HALLET, BERNARD
Process study of sorted patterns on Arctic soils
[AD-A231089] 18 p3011 N91-26628
HALLET, JOHN
Laboratory and field studies of stratospheric aerosols: Phase changes under high supersaturation
24 p4033 N91-32533
HALLEY, TED H.
Development of a piezoelectric polymer film pressure transducer for low frequency and dynamic pressure measurement
[AD-A229848] 11 p1709 N91-19412
HALLGREN, WAYNE FORD
Chemically reacting effects on hypersonic viscous interaction 17 p2728 N91-25109
HALLIDAY, NORMAN
The detection of atmospheric vapours using optical waveguide sensors 03 p0434 N91-12430
HALLIKAINEN, M.
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
HALLION, RICHARD P.
X-15: The perspective of history
12 p1833 N91-20074
HALLIWELL, I.
A new facility to study three dimensional viscous flow and rotor-stator interaction in turbines
16 p2587 N91-24336
HALLMAN, R. L., JR.
Variable volume calibration apparatus
[DE91-011554] 17 p2780 N91-25386
HALLMAN, T. J.
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
HALLOCK, GARY A.
Near field interaction of microwave signals with a bounded plasma plume
[NASA-CR-185358] 18 p3067 N91-26944
HALLOCK, J. N.
Aircraft wake vortices: An assessment of the current situation
[AD-A231658] 15 p2364 N91-23079
Aircraft wake vortices: An annotated bibliography (1923-1990)
[AD-A233161] 16 p2547 N91-24111
HALLOCK, R. B.
Preparation of a novel gallium arsenide single-source precursor having the empirical formula AsCl3Ga2
[AD-A233704] 18 p3068 N91-26949
HALLOCK, Z. R.
XCTD Test: Reliability and Accuracy Study (XTRAS)
[AD-A227527] 09 p1369 N91-17521
HALLORAN, JOHN W.
Composite ceramic superconducting wires for electric motor applications
[AD-A225859] 04 p0588 N91-13281
HALLORAN, S. D.
The effect of combustor flow nonuniformity on the performance of hypersonic nozzles
15 p2380 N91-23173
HALLQUIST, J. O.
NIKE2D: A nonlinear, implicit, two-dimensional finite element code for solid mechanics
[DE91-015734] 21 p3534 N91-29634
HALLUM, CECIL R.
RICIS research 10 p1567 N91-18618
An overview of the mathematical and statistical analysis component of RICIS 10 p1568 N91-18621
HALME, ARNE
A solution for the man/machine-interface in robotics: A high level control language with enhanced interaction equipment 15 p2490 N91-23789
An interactive robot control system
15 p2490 N91-23790
HALOULAKOS, V. E.
The 21st century propulsion 14 p2201 N91-22155
Orbit transfer vehicle propulsion design: Trades and comparisons 16 p2573 N91-24260
HALPERIN, ARIEL
The optimal accumulation of power
[CEMA-87-87] 16 p2697 N91-24935
HALPERIN, W. P.
NMR characterization of porous ceramics
[DE91-015051] 21 p3491 N91-29371
HALPERN, JOSHUA B.
Laser assisted CVD growth of AlN and GaN
[AD-A232379] 15 p2518 N91-23957
The UV photochemistry of C2N2
19 p3271 N91-28094
HALPERN, JULES
IUE and ROSAT monitoring of the bright QSO H1821+643
[NASA-CR-188719] 22 p3771 N91-31029
HALPERN, JULES P.
Search for correlated UV and x ray absorption of NGC 3516
[NASA-CR-188711] 22 p3771 N91-31026
HALPERN, RICHARD
Microgravity strategic planning exercise
[NASA-CR-184167] 16 p2612 N91-24463
HALPERT, G.
Sodium-metal chloride battery research at JPL
24 p4038 N91-32566
Advances in Li-TiS2 cell technology
24 p4039 N91-32567
HALPERT, GERALD
High power bipolar lead-acid batteries
14 p2360 N91-23056
HALSKI, DONALD J.
Integrated control and avionics for air superiority: A knowledge-based decision aiding system
17 p2734 N91-25138
HALSTEAD, ROBERT H., JR.
Lazy task creation: A technique for increasing the granularity of parallel programs
[AD-A237477] 21 p3559 N91-29781
HALSTEAD, THORA W.
The 1989-1990 NASA space biology accomplishments
[NASA-TM-4258] 11 p1762 N91-19697
HALVERSON, MARK
The practical challenges of converting end-use data into information
[DE90-016538] 02 p0284 N91-11600
HALZEN, F.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
HAMA, SHINICHI
Precise measurement method for ionospheric total electron content using signals from GPS satellites
17 p2853 N91-25774
HAMACHER, H.
The microgravity environment of the D1 mission
03 p0430 N91-12407
HAMACHER, HORST W.
Weighted k-cardinality trees
[REPT-91-023] 22 p3745 N91-30868
HAMADA, H.
Adaptive inverse filters for stereophonic sound reproduction
[ISVR-TR-187] 05 p0712 N91-13975
HAMADA, Y.
Measurement of density fluctuations in the JIPP T-IIU tokamak 10 p1598 N91-18815
HAMADE, KAREN S.
Modal analysis of UH-60A instrumented rotor blades
[NASA-TM-4239] 11 p1641 N91-19052
HAMAGUCHI, NORIHITO
MOCVD of TlBaCaCuO on MgO using fluorinated beta-diketonate source reagents
[AD-A236594] 19 p3255 N91-28008
MOCVD of TlBaCaCuO superconducting thin films: Structure, property, processing relationships
[AD-A236881] 19 p3255 N91-28011
HAMAGUCHI, S.
Modelling of drift wave turbulence with a finite ion temperature gradient
[DE91-004301] 07 p1069 N91-15879
Wave-particle power transfer in a steady-state driven system
[DE90-010031] 08 p1225 N91-16748
HAMAK, JOHN E.
Helium resources of the United States, 1989
[PB91-110817] 09 p1364 N91-17497
HAMAKER, JOE
Systems engineering and integration: Cost estimation and benefits analysis 09 p1283 N91-17052
HAMAMATSU, K.
RF helicity injection and current drive
[NIFS-34] 01 p0127 N91-10750
HAMANN, DONALD
Weather radar technology development
[AD-A233071] 16 p2659 N91-24715
HAMBERG, O.
The effectiveness and cost benefits of satellite enviromental acceptance tests
07 p0951 N91-15221
HAMBRIC, STEPHEN A.
Finite element solution of transient fluid-structure interaction problems 12 p1912 N91-20517
HAMBY, C., JR.
Metallic phase-change materials for solar dynamic energy storage systems
[NASA-CR-187888] 09 p1355 N91-17445
HAMBY, DAVID M.
Measurement of radial ionization probability in microscopic volumes for 2.90 and 3.79 MeV alpha particles
[DE90-017509] 02 p0267 N91-11498
HAMED, M.
Rank defects of GPS orbital improvement models
[ETN-91-99420] 17 p2735 N91-25143
HAMEED, S.
Interseasonal air-sea interactions in the OSU (Oregon State University) coupled upper ocean-atmosphere GCM (General Circulation Model)
[DE91-005261] 10 p1556 N91-18557
Simulation of precipitation scavenging in a three-dimensional global model
[DE91-011531] 18 p3007 N91-26606
Time scales of variability associated with Nordeste precipitation
[DE91-015696] 23 p3892 N91-31718
HAMEIRI, E.
Hail effects on anomalous heat, particle and helicity transports through tearing-mode turbulence
[DE91-010730] 15 p2513 N91-23924
HAMEKA, H. F.
Theoretical prediction of vibrational infrared frequencies of tertiary amines
[AD-A232880] 15 p2399 N91-23288
HAMEL, GARY P.
Space market model development project, phase 3
[NASA-CR-187251] 04 p0601 N91-13348
HAMEL, W. R.
Volumetric reach comparison of possible end-effectors for the articulated transporter and manipulator system
[DE91-004390] 07 p1011 N91-15552
Controller design for a teleoperator system with dissimilar kinematics and force feedback
[DE91-004391] 07 p1011 N91-15553
HAMELIN, A.
Temperature dependence of proton electroreduction kinetics at gold(111) and (210) surfaces
[AD-A237460] 21 p3575 N91-29879
HAMERS, R. J.
Atomic-scale charge transport at the Si(001) surface
[AD-A236970] 19 p3160 N91-27474
HAMETZ, M. E.
Constant propellant use rendezvous scenario across a launch window for refueling missions
09 p1293 N91-17104
HAMEURY, J. M.
Cataclysmic variables with anomalous UV emission line spectrum 09 p1440 N91-17939
HAMID, S.
Radial inflow turbine study
[AD-A233623] 16 p2635 N91-24589
HAMID, SOHAIL
Fibre-linked miniature laser transit anemometer for complex flow fields 05 p0662 N91-13678
HAMID, TAMIN
Remote voice training: A case study on space shuttle applications, appendix C
[NASA-CR-187385] 03 p0396 N91-12199
HAMILL, P. E.
Thin steel section casting on a near-horizontal twin-belt caster
[DE91-001883] 06 p0816 N91-14505
HAMILTON, B. P.
Evaluating the environmental impacts of the energy system: The ENPEP (Energy and Power Evaluation Program) approach
[DE90-017862] 02 p0234 N91-11309
HAMILTON, DAVID B.
Task analysis and workload prediction model of the MH-60K mission and a comparison with UH-60A workload predictions. Volume 2: Appendixes A through G
[AD-A228947] 09 p1373 N91-17545
Task analysis and workload prediction for the MH-47E mission and a comparison with CH-47D workload predictions. Volume 2: Appendixes A through N
[AD-A235249] 18 p3036 N91-26757
Task analysis and workload prediction model of the MH-60K mission and a comparison with UH-60A workload predictions. Volume 3: Appendixes H through N
[AD-A229408] 22 p3720 N91-30703

HAMILTON, H. HARRIS, II
Calculation of convective and radiative heating on the forebody heatshield of the aeroassist flight experiment vehicle
[NASA-TM-104103] 19 p3162 N91-27486
HAMILTON, M. L.
The influence of helium on mechanical properties of model austenitic alloys, determined using Ni-59 isotopic tailoring and fast reactor irradiation
[DE91-004891] 07 p0981 N91-15385
Mechanical property changes and microstructures of dispersion-strengthened copper alloys after neutron irradiation at 411, 414, and 529 C
[DE91-005516] 09 p1312 N91-17204
Postirradiation deformation of ferritic Fe-Cr binary alloys
[DE91-014856] 21 p3479 N91-29295
HAMILTON, MARK F.
Problems in nonlinear acoustics: Pulsed finite amplitude sound beams, nonlinear acoustic wave propagation in a liquid layer, nonlinear effects in asymmetric cylindrical sound beams, effects of absorption on the interaction of sound beams, and parametric receiving arrays
[AD-A230327] 12 p1975 N91-20865
HAMILTON, N.
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
HAMILTON, RICHARD J.
Aircrew critique of high-G centrifuge training. Part 1: What was the best part of the program?
[AD-A239781] 23 p3907 N91-31809
HAMILTON, RUSSELL J.
Coherent emission and stochastic acceleration processes associated with nonthermal electrons in astrophysical plasma 14 p2344 N91-22956
HAMILTON, W. A.
The effect of surface roughness on the phase of neutrons specularly reflected at grazing incidence
[DE91-000238] 03 p0416 N91-12327
HAMILTON, WILLIAM DAVID
Directional solidification of superalloys
[NASA-CASE-MFS-28314-1] 06 p0808 N91-14462
HAMITER, LEON
The history of space quality EEE parts in the United States 24 p4002 N91-32370
HAMLEY, JOHN A.
Power electronics for low power arcjets
[NASA-TM-104459] 17 p2741 N91-25172
HAMLIN, N. A.
Liquid sloshing in cargo tanks. Liquid slosh loading in slack ship tanks: Forces on internal structure and pressures
[PB91-129262] 11 p1704 N91-19383
HAMM, MICHAEL K.
Ablative heat shield studies for NASA Mars/Earth return entry vehicles
[AD-A238159] 21 p3465 N91-29215
HAMM, ROBERT M.
Investigations of probabilistic inference
[AD-A226882] 06 p0867 N91-14795
Interpretation of conditional probabilities in probabilistic interference word problems
[AD-A226907] 06 p0867 N91-14797
HAMMACHE, MUSTAPHA
An experimental study of the origin of oblique vortex shedding from two-dimensional bluff bodies 17 p2774 N91-25354
HAMMARLING, SVEN
Numerical considerations in computing invariant subspaces
[DE91-004928] 09 p1393 N91-17667
HAMMARSTRAND, ULLA
Atmospheric water parameters in mid-latitude cyclones observed by microwave radiometry and compared to model calculations
[NASA-CR-187996] 10 p1556 N91-18558
HAMMEL, B. A.
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385
Absorption measurements of radiatively heated low-Z materials
[DE91-011182] 17 p2867 N91-25861
HAMMEL, J. E.
The Los Alamos megamp fiber z-pinch experiment
[DE91-004842] 08 p1229 N91-16777
HAMMEL, P. C.
Copper NMR and hole depletion in the normal state of Y(1-x)Pr(x)Ba2Cu3O7
[DE90-016468] 01 p0130 N91-10768
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959
HAMMEL, REINHARD
On the range resolution of point targets with FMCW radar systems
[ESA-TT-1206] 03 p0357 N91-11995
HAMMELRATH, FRO
An application of tests of significance to point and confidence estimation and to test model verification for parameter identification
[ESA-TT-1152] 03 p0413 N91-12311
HAMMEN, DAVID G.
A failure management prototype: DR/Rx 12 p1942 N91-20684
A failure recovery planning prototype for Space Station Freedom 14 p2314 N91-22778
HAMMER, C. L.
Development of high performance sodium/metal chloride cells
[DE90-017668] 02 p0207 N91-11159
HAMMER, DAVID A.
Plasma physics applications to intense radiation sources, pulsed power, and space physics
[AD-A226666] 04 p0586 N91-13272
HAMMER, J. H.
Plasma plumes for tapping the electromotive force of the solar wind
[DE91-011253] 17 p2918 N91-26106
HAMMER, JAY A.
A comparison of several theories which use jet scaling to predict liftoff heights of turbulent-jet flames
[AD-A239717] 23 p3812 N91-31267
HAMMER, JOHN M.
Assessing the impact of modeling limits on intelligent systems
[NASA-CR-4336] 03 p0398 N91-12210
HAMMER, K. E.
Client/server distributed processing using SUNOS remote procedure protocol
[DE91-005120] 07 p1050 N91-15762
Client/server models for transparent, distributed computational resources
[DE91-007240] 10 p1567 N91-18614
HAMMER, PHILIP D.
Preliminary results of radiation measurements from the marine stratus FIRE experiment 01 p0091 N91-10529
Remote sensing of Earth's atmosphere and surface using a digital array scanned interferometer: A new type of imaging spectrometer 17 p2796 N91-25466
HAMMERBERG, J. E.
A new model of rate dependent elastic-plastic flow
[DE91-014600] 20 p3364 N91-28633
HAMMERSCHLAG-HENSBERGE, G.
Orbital variability in the UV spectra on the massive x ray binary HD153919/4U1700-37 09 p1440 N91-17936
HAMMETT, C. P.
The effect of fluoride gases on cylinder valve corrosion
[DE91-012745] 20 p3316 N91-28355
HAMMETT, KELLY D.
Application of multivariable control system design methodologies to robust beam control of a space-based laser
[AD-A239460] 23 p3879 N91-31643
HAMMETTER, W. F.
Phase formation in the Tl-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
HAMMINK, E.
Abstraction in AI: A study of relevant literature in the context of model-based diagnosis
[MEMO-INF-91-07] 22 p3742 N91-30852
HAMMON, COLIN P.
Flying hours and aircrew performance
[AD-A226582] 09 p1371 N91-17535
HAMMOND, ERNEST C., JR.
Data reduction of digitized images processed from calibrated photographic and spectroscopic films obtained from terrestial, rocket and space shuttle telescopic instruments
[NASA-CR-187320] 05 p0661 N91-13674
Excimer laser interaction with dentin of the human tooth 19 p3267 N91-28067
Mathematical models for film sensitivity measurements 19 p3268 N91-28076
A scanning electron microscopy study of the macro-crystalline structure of 2-(2,4-dinitrobenzyl) pyridine 19 p3270 N91-28090
An analysis of the moon's surface using reflected illumination from the earth during a waning crescent lunar phase 19 p3272 N91-28101
A densitometric analysis of IIaO film flown aboard the space shuttle transportation system STS #3, 7, and 8 19 p3273 N91-28102
Moessbauer spectroscopy and scanning electron microscopy of the Murchison meteorite 19 p3273 N91-28103
A densitometric analysis of commercial 35mm films 19 p3275 N91-26119
Parameters of tensile strength, elongation, and tenacity of 70mm IIaO spectroscopic film 19 p3277 N91-28125
HAMMOND, G.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A 09 p1442 N91-17949
HAMMOND, KENNETH R.
Effects of stress on judgment and decision making in dynamic tasks
[AD-A239452] 23 p3901 N91-31772
HAMMOND, M. G.
Carina aerothermal test at Mach 8
[AD-A238561] 21 p3465 N91-29218
HAMMOND, P. B.
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859
HAMMOND, P. R.
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
HAMMOND, R. H.
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
Evidence for cation disorder in in-situ grown YBaCuO superconducting films
[DE91-016760] 24 p4110 N91-32971
HAMMOND, S. J.
A multilingual parallelization of the icosahedral-hexagonal grid system for integration on the sphere
[DE91-013615] 20 p3386 N91-28762
HAMMOND, STEVEN W.
Mapping unstructured grid problems to the connection machine
[NASA-CR-187719] 24 p4092 N91-32864
HAMMONDS, J. P.
Energy dispersive x ray diffraction study of glassy Bi2Sr2CaCu2O(x) filaments produced by gas-jet fiberization
[DE91-012021] 20 p3324 N91-28407
HAMMONS, B. E.
Optically-triggered GaAs thyristor switch s: Integrated structures for environmental hardening
[DE91-001355] 06 p0824 N91-14553
Characterization of semiconductor surface-emitting laser wafers
[DE91-001336] 06 p0832 N91-14598
Monolithically integrated GaAs thyristor-transistor as a hardened optically-triggered switch
[DE91-000040] 07 p0999 N91-15486
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510
HAMMOUD, A. N.
Electrical characterization of glass, teflon, and tantalum capacitors at high temperatures
[NASA-TM-104517] 19 p3156 N91-27444
HAMMOUD, AHMAD N.
High temperature power electronics for space
[NASA-TM-104375] 14 p2261 N91-22508
HAMNER, RICHARD M.
Wet atmospheric generation apparatus
[NASA-CASE-MFS-28177-1] 13 p2089 N91-21496
HAMOUDA, M-NABIL H.
Wind-tunnel survey of an oscillating flow field for application to model helicopter rotor testing
[NASA-TM-4224] 05 p0625 N91-13462
Vibratory loads data from a wind-tunnel test of structurally tailored model helicopter rotors
[NASA-TM-4265] 19 p3099 N91-27120
HAMP, L. P.
Sedimentation and tectonics in the northeastern and central Amadeus Basin, central Australia 19 p3193 N91-27653
HAMPEL, KLAUS
Flows in a free expansion nozzle
[MBB-UK-0088-90-PUB] 03 p0365 N91-12045
HAMPP, R.
Regeneration and characterization of protoplast-derived cell lines from Digitalis lanata EHRH. and Digitalis purpurea L. suspension cultures after electrofusion under microgravity conditions 11 p1755 N91-19652
HAMPTON, DIANA
Airborne coherent continuous wave CO2 Doppler lidars for aerosol backscatter measurement 17 p2798 N91-25480
HAMPTON, HERBERT R.
Electro-optical spin measurement system
[NASA-CASE-LAR-13629-1] 06 p0787 N91-14356

HAMPTON, LAWRENCE
Tests of the general fire suppression concentrate Pyrocap B-136
[DOT/FAA/CT-TN90/21] 01 p0005 N91-10029
HAMPTON, RICHARD D.
Control issues of microgravity vibration isolation
13 p2035 N91-21192
Microgravity vibration isolation: An optimal control law for the one-dimensional case 13 p2037 N91-21206
HAMRICK, J. T.
Development of biomass as an alternative fuel for gas turbines
[DE91-012129] 20 p3330 N91-28441
HAMROCK, BERNARD J.
Fundamentals of fluid lubrication
[NASA-RP-1255] 22 p3688 N91-30531
HAMWI, SAKHER
Approximate methods for predicting the lifting characteristics of wing-body combinations
14 p2186 N91-22074
HAMZA, A. V.
Investigation of neutral atom and ion emission during laser conditioning of multilayer HfO2-SiO2 coatings
[DE91-009749] 15 p2502 N91-23860
Laser ablation mechanisms and optical surface damage
[DE91-016928] 23 p3879 N91-31642
HAMZIC, A.
Pressure dependence of the Curie-temperature in the Kondo-lattice-compound YbNiSn
[DE91-013672] 20 p3433 N91-29046
HAN, B.
Design and synthesis of CVD precursors to thin film ceramic materials
[AD-A225759] 04 p0507 N91-12815
HAN, C. C.
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569
HAN, DAESOO
Effects of switch leakages upon Nimbus-7 SMMR calibration
[NASA-TM-100705] 08 p1189 N91-16536
HAN, HSIU C.
Remote sensing of Earth terrain
[NASA-CR-186904] 06 p0839 N91-14635
HAN, HWANG-JIN
Physical processes in hollow cathode discharge
[AD-A225329] 03 p0360 N91-12020
HAN, KAI
Frequency up-conversion of 10.6 microns laser
[AD-A233038] 16 p2632 N91-24570
HAN, KUORUEY
Randomly sampled-data control systems
[NASA-CR-187425] 06 p0858 N91-14734
HAN, KWANG S.
XeCl laser pumped iodine laser using t-C4F9I
19 p3275 N91-28117
HAN, M. Y.
Diethylsilane decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A234638] 18 p2948 N91-26266
HAN, SAMUEL S.
Ignition transient analysis of solid rocket motor
10 p1629 N91-18985
HAN, UK
Heat flow data and thermal state of the continental lithosphere 20 p3372 N91-28682
HAN, XIAOHUA
Elevated temperature crack growth resistance of alumina-silicon-carbide composite under static and cyclic loads 16 p2639 N91-24602
HANAGUD, SATHYA V.
Use of system identification techniques for improving airframe finite element models using test data
[NASA-CR-188041] 11 p1777 N91-19750
HANAK, J. J.
Integral bypass diodes in an amorphous silicon alloy photovoltaic module 11 p1673 N91-19218
The status of lightweight photovoltaic space array technology based on amorphous silicon solar cells
[DE91-014985] 23 p3888 N91-31698
HANAK, JOSEPH J.
The status of lightweight photovoltaic space array technology based on amorphous silicon solar cells
22 p3634 N91-30224
HANAMATSU, TAKESHI
The establishment and performance test of PAPI (Precision Approach Path Indicator) System for NAL STOL aircraft
[NAL-TM-579] 01 p0006 N91-10030
HANAMI, H.
Numerical study of compressible magnetoconvection with an open transitional boundary
[DE91-000148] 02 p0294 N91-11651
HANCOCK, B. K.
Radiation assessment of the INMOS transputer family
24 p4000 N91-32358
HANCOCK, BRUCE R.
InAs/GaAs and InAs doping superlattices
06 p0799 N91-14409
HANCOCK, G. J.
T-joints in rectangular hollow sections subject to combined bending and concentrated force
[PB91-137463] 17 p2787 N91-25420
HAND, G.
Spectrum required for HF broadcasting
[PB91-151860] 16 p2617 N91-24487
HANDA, T.
The University of Tokyo-Norbeyama Radio Observatory submillimeter survey telescope
13 p2181 N91-22051
HANDEL, PETER H.
Quantum 1/f noise in high technology applications including ultrasmall structures and devices
[AD-A226739] 06 p0817 N91-14515
HANDLER, ROBERT A.
Innovative methodology for cancelling contaminating noise in turbulent fluid flow environments
[AD-A227028] 06 p0826 N91-14567
HANDLER, T.
Elementary particle interactions
[DE91-001220] 05 p0713 N91-13979
HANDOO, A.
Low energy sputtering of cobalt by cesium ions
19 p3277 N91-28124
HANDROOS, HEIKKI
Methods for combining a theoretical and an empirical approach in modelling pressure and flow control valves for CAE-programs for fluid power circuits
[ACTA-POLYTEC-SCAND-ME-96]
11 p1705 N91-19392
HANDSCHUH, R. F.
Effects of rim thickness on spur gear bending stress
[NASA-TM-104388] 15 p2437 N91-23500
Computerized inspection of real surfaces and minimization of their deviations
[NASA-TM-103798] 19 p3176 N91-27558
Local synthesis and tooth contact analysis of face-milled spiral bevel gears
[NASA-TM-105182] 21 p3528 N91-29600
HANDSCHUH, ROBERT F.
Straddle design of spiral bevel and hypoid pinions and gears
[NASA-TM-103621] 06 p0833 N91-14602
How to determine spiral bevel gear tooth geometry for finite element analysis
[NASA-TM-105150] 22 p3689 N91-30537
Recent manufacturing advances for spiral bevel gears
[NASA-TM-104479] 23 p3881 N91-31654
HANDY, J.
Reflectance spectroscopy of palagonite and iron-rich montmorillonite clay mixtures: Implications for the surface composition of Mars 18 p3088 N91-27075
HANER, ALEXANDRA N.
Anomalous surface phase formation on Pt3Sn with zone axes group (100)
[DE91-001794] 06 p0807 N91-14456
HANEY, MICHAEL W.
Analog optical neural nets: A noise sensitivity analysis
[AD-A226789] 07 p1055 N91-15793
HANFF, E. S.
Oscillatory test techniques 14 p2192 N91-22107
Large amplitude oscillations 14 p2192 N91-22108
HANFT, R. W.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
HANIGOFSKY, J. A.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
HANIGOFSKY, JOHN A.
Grain structure and growth of dispersed phase BN-AlN coatings grown via chemical vapor deposition
[DE91-006283] 09 p1319 N91-17242
HANKEY, J.
Coherent fiber optic links
[AD-A233465] 16 p2689 N91-24889
HANKO, JAMES G.
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 1
[AD-A232289] 15 p2414 N91-23369
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 2
[AD-A232290] 15 p2414 N91-23370
Decentralized computing technology for fault-tolerant, survivable C3I systems. Volume 3: System/subsystem specification
[AD-A232291] 15 p2414 N91-23371
HANKS, BRANTLEY R.
Closed-form solutions for linear regulator design of mechanical systems including optimal weighting matrix selection
[NASA-TM-104052] 13 p2102 N91-21572
HANKS, R.
Time response of fast-gated microchannel plates used as x ray detectors
[DE91-006243] 09 p1330 N91-17308
Measurements with a 35 psec gate time microchannelplate camera
[DE91-006701] 11 p1707 N91-19400
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385
HANLEY, LIONEL
AdaNET Dynamic Software Inventory (DSI) prototype component acquisition plan
[NASA-CR-187309] 04 p0557 N91-13090
AdaNET prototype library administration manual
[NASA-CR-187404] 04 p0559 N91-13101
AdaNET phase 0 support for the AdaNET Dynamic Software Inventory (DSI) management system prototype. Catalog of available reusable software components
[NASA-CR-187405] 04 p0559 N91-13102
HANLON, JAMES C.
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
Comparison of dynamic isotope power systems for distributed planet surface applications
[NASA-TM-4303] 20 p3303 N91-28278
HANN, RAIFORD E.
A model for the scattering of high-frequency electromagnetic fields from dielectrics exhibiting thermally-activated electrical losses
[NASA-TM-104376] 18 p3055 N91-26872
HANN, S. W.
Planar indirect-drive Rayleigh-Taylor experiments on Nova
[DE91-011967] 18 p3067 N91-26943
HANNA, GREGORY J.
Predicted thermal response of a cryogenic fuel tank exposed to simulated aerodynamic heating profiles with different cryogens and fill levels
[NASA-CR-4395] 23 p3851 N91-31470
HANNA, NAGY FOUAD
Thick plate theories, with applications to vibration
16 p2643 N91-24630
HANNA, PAMELA D.
An ultrasonic technique to measure the depth of burn wounds in humans
[NASA-TM-104116] 19 p3239 N91-27910
HANNA, S. M.
Experimental investigation of scattering of magnetostatic waves by surface acoustic waves
[DE91-009435] 13 p2148 N91-21835
HANNA, STEVEN R.
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165
HANNAH, P. R.
Sphere lapping
[DE91-014287] 20 p3357 N91-28593
HANNAHS, S. T.
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784
HANNER, MARTHA S.
Comparison of P/Brorsen-Metcalf and P/Halley in the thermal infrared 12 p2004 N91-21027
HANNESFAHR, JENS
Navigation Experiment NAVEX: Measurement and performance of the spaceborne clocks
[ESA-TT-1209] 13 p2146 N91-21823
HANNIG, K.
Free flow electrophoresis experiment TEPE 3 on Texus 24
[MBB-UO-0130-90-PUB] 11 p1692 N91-19321
Free flow electrophoresis experiment TEPE 3 on TEXUS 24 11 p1755 N91-19654
HANNIGAN, C.
Preparation and characterization of Iron(III) oxide films by an novel spray pyrolysis method
[AD-A231047] 13 p2161 N91-21920
HANNIKAINEN, D.
IUE observations of the RS CVn-type binary alpha2CrB 09 p1439 N91-17931
HANNON, C. T.
Assessment of DFT strategies
24 p3991 N91-32301
HANNON, K.
Air combat environment test and evaluation facility and the development of the offensive sensors laboratory
[DE91-011398] 20 p3286 N91-28173

HANNON, M. H.
AlGaAs top solar cell for mechanical attachment in a multi-junction tandem concentrator solar cell stack
11 p1667 N91-19187
HANNON, MARGARET H.
Development of N/P AlGaAs free-standing top solar cells for tandem applications 22 p3633 N91-30218
HANNON, PATRICK
Effects of bright illumination on oral temperature and cognitive performance in humans during nighttime hours
[AD-A232787] 15 p2478 N91-23722
HANNSGEN, KENNETH B.
Energy decay and boundary control for distributed parameter systems with viscoelastic damping
[AD-A232997] 16 p2647 N91-24655
HANNULA, SIMO-PEKKA
Fabrication and properties of powder metallurgically manufactured aluminum products and composites
[VTT-RR-699] 05 p0637 N91-13531
HANNWEBER, M.
Two-dimensional numerical simulation of convection processes for melts in a Liquid Encapsulated Czochralski (LEC) arrangement with magnetic field
14 p2335 N91-22907
HANRAHAN, PAT
Area and volume coherence for efficient visualization of 3D scalar functions
[DE90-012994] 07 p1049 N91-15760
HANSARD, STONE W.
An interactive system of computer generated graphic displays for motivating meaningful learning of matrix operations and concepts of matrix algebra
[AD-A229557] 22 p3725 N91-30734
HANSELKA, HOLGER
Characterization of composite materials for aerospace materials
[DLR-MITT-90-15] 15 p2393 N91-23246
HANSEN, A.
Aerial smoke plume observations and surface-layer turbulence measurements. Part 2: Wind and temperature spectral analysis. Phase 4: Dispersion study: AMADEUS
[AD-A229291] 09 p1368 N91-17520
HANSEN, BARRY R.
Microwave-detected photoconductance decay
[DE90-011505] 08 p1233 N91-16795
HANSEN, C. FREDERICK
Collision-induced gas phase dissociation rates
[NASA-CR-185874] 01 p0120 N91-10707
Ionization of NO at high temperature
[NASA-CR-188798] 24 p3972 N91-32187
HANSEN, C. S.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264
HANSEN, GEORG
Sudden sodium layers in polar latitudes, between 90 and 110 km altitude
[BONN-IR-90-03] 03 p0390 N91-12174
HANSEN, IRVING G.
Advanced electrical power, distribution and control for the Space Transportation System
09 p1281 N91-17043
Four quadrant control of induction motors
14 p2360 N91-23055
HANSEN, J. B.
Low frequency noise in resonant Josephson soliton oscillators
[DE91-011911] 18 p2981 N91-26464
HANSEN, JAMES E.
Comparison of solar and other influences on long-term climate 03 p0443 N91-12477
HANSEN, L.
A spiral-like disk of ionized gas in IC 1459: Signature of a merging collision 08 p1251 N91-16889
HANSEN, LARRY
Acoustic behavior of negative Poisson's ratio materials
[AD-A235695] 19 p3138 N91-27340
HANSEN, M. A.
Technology modernization assessment flexible automation
[DE91-005620] 11 p1778 N91-19751
HANSEN, MARK D.
Results in computational geometry: Geometric embeddings and query-retrieval problems
[AD-A230380] 12 p1969 N91-20833
HANSEN, N.
Optimization and performance of Space Station Freedom solar cells 11 p1672 N91-19215
HANSEN, N. H.
Technology modernization assessment flexible automation
[DE91-005620] 11 p1778 N91-19751
HANSEN, N. R.
Tethered rocket as a vehicle for penetration and impact testing: Development report
[DE90-014865] 02 p0189 N91-11057
HANSEN, OLE
Nucleus-nucleus collisions at very high energies
[DE91-004003] 06 p0870 N91-14811
HANSEN, R.
Processes for assessing the thermal stability of HAN-based liquid propellants: Revision
[AD-A224999] 04 p0510 N91-12832
Superplastic creep of eutectic tin-lead solder joints
[DE91-009074] 13 p2105 N91-21586
Circular Intensity Differential Scattering (CIDS) measurements in the soft x ray region of the spectrum (approximately 16 eV to 500 eV)
[DE91-016429] 24 p4101 N91-32915
HANSEN, S.
Generalizing the hop: Object-level programming for legged motion
[AD-A231315] 13 p2098 N91-21549
HANSEN, W. L.
Long-wavelength germanium photodetectors by ion implantation
[DE91-013848] 20 p3432 N91-29038
HANSEN, WILLIAM L.
Pyroelectric detectors 06 p0794 N91-14390
HANSER, FREDERICK A.
Demonstrate the feasibility of a detection method to separate neutral particles from charged particles in the MeV/nucleon energy range
[AD-A225656] 04 p0494 N91-12745
HANSMAN, JOHN
Microburst avoidance simulation tests
16 p2556 N91-24172
HANSON, A. W.
Lightning protection requirements for aircraft: A proposed specification
[RAE-TM-FS(F)-632-ISSUE-1-REV]
16 p2557 N91-24186
HANSON, ANGELA K.
Effects of in-plane pi prime bonding on electronic transition energies for inorganic polymers
[DE90-017144] 01 p0030 N91-10180
HANSON, D. B.
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 1: Development of theory for blade loading, wakes, and noise
[NASA-CR-4329] 11 p1641 N91-19049
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 3: Application of theory for blade loading, wakes, noise, and wing shielding
[NASA-CR-185193] 15 p2500 N91-23850
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 5: Propagation of propeller tone noise through a fuselage boundary layer
[NASA-CR-185195] 15 p2501 N91-23852
HANSON, D. L.
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
HANSON, FLOYD B.
Supercomputer optimizations for stochastic optimal control applications 14 p2226 N91-22313
HANSON, H. P.
Thermohaline circulations and global climate change
[DE91-007458] 11 p1734 N91-19537
HANSON, HOWARD P.
Plume mechanics and stratocumulus convection
01 p0090 N91-10526
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987
01 p0092 N91-10534
HANSON, MARGARET MURRAY
NGC 1058: Gas motions in an extended, quiescent spiral disk 05 p0734 N91-14103
HANSON, R. K.
Simultaneous measurements of velocity, temperature, and pressure using rapid CW wavelength-modulation laser-induced fluorescence of OH
[NASA-CR-187795] 07 p1007 N91-15530
Advanced diagnostics for reacting flows
[AD-A232609] 15 p2509 N91-23902
Turbulent reacting flows and supersonic combustion
[AD-A236759] 19 p3128 N91-27280
HANSON, WAYNE
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
HANSSEN, ALFRED
On the validity of the weak turbulence approximation
10 p1548 N91-18515
HANSSON, PER ANDERS
Review of microgravity 23 p3894 N91-31736
HANZAWA, ASAO
A system design and demonstrative field test of wind turbine with a 14 m diameter rotor
[NAL-TR-1056] 01 p0065 N91-10389
HAO, ZHIDONG
Viscous flux motion in anisotropic type-2 superconductors in low fields
[DE91-006675] 10 p1608 N91-18871
HAPPER, W.
Technique for determining the static polarizabilities of refractory metal atoms
[DE90-017088] 08 p1221 N91-16724
HAPPLE, THOMAS W.
Effect of corrosion protective coatings on compression turbine blades following different erosion stresses
[ETN-91-98800] 10 p1473 N91-18114
HARA, H.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
HARA, TETSUYA
Dragging force on galaxies due to streaming dark matter 08 p1261 N91-16947
On the large-scale structures formed by wakes of open cosmic strings 08 p1262 N91-16951
HARABETIAN, E.
Computer simulations of ions in radio-frequency traps
03 p0354 N91-11975
HARADA, KOICHI
Architecture simulator of parallel computer
[NAL-TM-583] 01 p0104 N91-10601
Simulation of a parallel computer with a 2-dimensional CFD program 04 p0451 N91-12515
Simulations for a parallel computer
04 p0464 N91-12599
HARAHAP, NIRWAN
Fusion reaction gas chromatography of silicone polyester resins 07 p0975 N91-15349
HARARY, FRANK
Quantifying fault recovery in multiprocessor systems
[NASA-CR-187681] 07 p1048 N91-15750
HARARY, FRANK W.
Proceedings of the 1st Workshop on Proximity Graphs
[AD-A237250] 21 p3565 N91-29818
HARASGAMA, S. P.
Combustor exit temperature distortion effects on heat transfer and aerodynamics within a rotating turbine blade passage
[RAE-TM-P-1195] 12 p1842 N91-20125
The application of Particle Image Velocimetry (PIV) in a short duration transonic annular turbine cascade
[AD-A236639] 20 p3341 N91-28504
Turbine nozzle guide vane exit area traversing in a short duration light piston test facility
[RAE-TM-P-1199] 22 p3621 N91-30145
HARBICH, W.
X ray diffraction scanning microscopy: A new method of non-destructive characterization of inhomogeneous materials 03 p0335 N91-11877
HARBISON, L. S.
Flow behavior of Ti-24Al-11Nb at high strain rates
[DE91-004506] 06 p0810 N91-14473
HARBISON, W. L.
Evaluation of flush mounted hot-film sensors for skin friction reduction measurements in viscoelastic polymer solutions
[AD-A226121] 04 p0527 N91-12921
HARBOE-SOERENSEN, R.
The pre-screening of large semiconductor memories for space application 24 p4000 N91-32357
HARBORNE, J.
The Hipparcos dedicated control system: A case stuudy of a high reliability scientific spacecraft control system
14 p2209 N91-22197
HARBOUR, J. L.
Using HSYS in the analysis of human-system interactions: Examples from the offshore petroleum industry
[DE91-013218] 20 p3381 N91-28732
HARBOUR, JERRY L.
Examining human-system interactions: The HSYS (human system) methodology
[DE91-006150] 09 p1373 N91-17546
HARBOUR, L.
Small Engine Component Technology (SECT) studies
[NASA-CR-175080] 16 p2561 N91-24206
HARDAGE, SHERRY A. HOFFMAN
Creating numeric control documents using the cadnetix photoplot extractor
[DE90-011198] 09 p1389 N91-17639
HARDER, KAI
Contributions to the sound location in the atmosphere
[ETN-90-97863] 02 p0266 N91-11490
HARDGREAVES, T. A.
Depressed collector experiments on a quasioptical gyrotron
[AD-A234559] 18 p2987 N91-26492
HARDGROVE, W. R.
Space simulation test for thermal control materials
11 p1661 N91-19149

HARDIN, DAVID SCOTT
Integration of time-varying data into knowledge-based systems for avionics applications
03 p0312 N91-11750
HARDIN, J. E.
Laboratory testing of the Sonnenschein charger, Part number DTL 12040
[DE91-006543] 11 p1697 N91-19346
Laboratory testing of the dual traction battery GC12V100
[DE91-012743] 20 p3339 N91-28491
HARDIN, JASPER E.
Laboratory testing of chloride 3ET205 6 volt traction battery
[DE90-010926] 08 p1132 N91-16225
HARDING, ALICE K.
Acceleration by pulsar winds in binary systems
[NASA-TM-103451] 01 p0138 N91-10816
HARDING, D. J.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
HARDING, J.
The interlaminar shear strength of woven carbon, woven glass and woven carbon/glass hybrid laminates under static and impact loading
[OUEL-1831/90] 06 p0801 N91-14423
Application of high speed photography to the study of high strain rate materials testing
[OUEL-1852/90] 11 p1709 N91-19411
Modelling of the impact response of fibre-reinforced composites
[OUEL-1863/90] 13 p2044 N91-21244
Effect of strain rate on the through-thickness elastic properties of woven laminates 13 p2044 N91-21245
A new type of shear specimen for measuring the interlaminar shear strength under impact loading
13 p2044 N91-21246
The interlaminar shear strength of woven carbon, woven glass and woven carbon/glass hybrid laminates under static and impact loading 13 p2045 N91-21247
Analysis of failure in woven carbon/epoxy laminates under quasi-static and impact loading
13 p2045 N91-21248
Stress wave propagation in hybrid composite materials
13 p2045 N91-21249
Mechanical behaviour of composite materials under impact loading 13 p2045 N91-21250
Modelling of the impact response of fibre-reinforced composites
[AD-A232658] 15 p2396 N91-23266
HARDING, L. B.
Theoretical studies of potential energy surfaces and computational methods
[DE91-011126] 18 p3060 N91-26902
HARDING, LAWRENCE W., JR.
The use of aircraft and satellite remote sensing of phytoplankton chlorophyll concentrations in case 2 estuarine waters of the Chesapeake Bay
17 p2882 N91-25935
HARDING, S. C.
An investigation of secondary flows in nozzle guide vanes
[PNR-90739] 01 p0044 N91-10262
HARDT, LEE R.
Electrorheologically damped impact system
[AD-D014934] 22 p3668 N91-30421
HARDWICK, C. D.
Evaluation of a pre-production version of Canadian Marconi CMA-786 GPS receiver
[NAE-LTR-FR-106] 21 p3454 N91-29158
HARDWICK, C. J.
The electromagnetic environment in CFC structures
24 p4052 N91-32638
A new approach to equipment testing
24 p4053 N91-32639
Measurements of some parameters of thermal sparks with respect to their ability to ignite aviation fuel/air mixtures 24 p4064 N91-32705
HARDWICK, CHARLES
GERM as a tool for space station documentation
13 p2166 N91-21950
HARDY, ALVA C.
Preliminary calculation of solar cosmic ray dose to the female breast in space mission
[NASA-TM-4235] 09 p1449 N91-17997
Preliminary analysis of a radiobiological experiment for LifeSat
[NASA-TM-4236] 09 p1450 N91-17998
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
Analyses of risks associated with radiation exposure from past major solar particle events
[NASA-TP-3137] 22 p3776 N91-31061
HARDY, GORDON H.
Simulation evaluation of a speed-guidance law for Harrier approach transitions
[NASA-TM-102853] 16 p2562 N91-24209
HARDY, J. E.
Measurement of two-phase flow momentum with force transducers
[DE90-008748] 02 p0213 N91-11188
HARDY, TERRY L.
Slush hydrogen propellant production, transfer, and expulsion studies at the NASA K-Site Facility
[NASA-TM-105191] 20 p3331 N91-28449
HARELAND, W. A.
Optical diagnostics for low-temperature plasmas
[DE91-007896] 11 p1804 N91-19907
Analyzing photographically recorded atomic emission spectra using an automated densitometer
[DE91-015368] 21 p3574 N91-29871
HARFOUSH, F.
Conformal FDTD modeling wake fields
[DE91-015129] 21 p3498 N91-29407
Visualization of wake fields
[DE91-015130] 21 p3498 N91-29408
HARFOUSH, F. A.
Numerical modeling of time domain 3-D problems in accelerator physics
[DE90-015625] 02 p0269 N91-11511
HARGENS, A.
Central and peripheral cardiovascular responses to electrically induced and voluntary leg exercise
11 p1761 N91-19687
HARGENS, ALAN R.
Developmental adaptations to gravity in animals
[NASA-TM-102228] 14 p2301 N91-22716
Transcapillary fluid shifts in head and neck tissues during and after simulated microgravity
[NASA-TM-103847] 15 p2474 N91-23704
HARGREAVES, P. M.
Micronektonic biomass in the North Atlantic
[IOS-280-1990] 22 p3712 N91-30662
HARGREAVES, T.
An energy recovery system for a quasi-optical gyrotron
[DE91-008317] 11 p1699 N91-19357
HARGREAVES, T. A.
Ohmic effects in quasioptical resonators
[AD-A227547] 07 p0998 N91-15478
HARIHARAN, RAMAKRISHNAN
Synthesis, polymerization and thermal properties of a new acetylene-terminated Schiff base
[AD-A233806] 18 p2959 N91-26328
HARIS, F. G.
Variations in the static properties, unnotched and notched fatigue life behaviour of 13 batches of 2L.65 aluminium alloy extruded bar
[ARL-STRUC-R-427] 23 p3884 N91-31676
HARITONIDIS, JOSEPH H.
The development of a fiber-optic readout pressure transducer
[AD-A238393] 21 p3519 N91-29545
HARJES, H. C.
Conceptual design and system studies for a 600 kW repetitive pulse transformer
[DE91-010585] 15 p2418 N91-23389
Design and test of a continuous duty pulsed ac generator
[DE91-014664] 21 p3504 N91-29445
Electrophoretic dielectric coatings for magnetic switches
[DE91-015337] 23 p3859 N91-31518
HARKER, A. B.
Effects of interfacial modification on diamond film adhesion
[AD-A237750] 21 p3488 N91-29354
Pressure effects in the microwave plasma growth of polycrystalline diamond
[AD-A237751] 21 p3596 N91-30006
HARKINS, DAVID
Evaluation of available perfluorobutane data for selected physical properties
[DE90-016516] 01 p0024 N91-10145
HARLAN, J. G.
Investigation of the Deflagration-to-Detonation (DDT) process: The role of ignition and explosive properties in DDT
[DE91-011956] 20 p3330 N91-28442
HARLANDER, J.
Fabry-Perot observations of comet Austin
12 p2003 N91-21021
HARLANDER, M.
Elastic tracking versus neural network tracking for very high multiplicity problems
[DE91-011825] 20 p3387 N91-28768
HARLESS, R. L.
Sampling and analysis for polychlorinated dibenzo-p-dioxins and dibenzofurans in ambient air
[PB91-131698] 12 p1920 N91-20565
Atmospheric transport and deposition of polychlorinated Dibenzo-P-Dioxins and Dibenzofurans
[PB91-144667] 16 p2655 N91-24688
HARLEY, P.
Modeling the response of plants and ecosystems to global change
[DE91-017403] 24 p4042 N91-32587
HARLEY, THOMAS RANDALL
The computation of resistive MHD instabilities in axisymmetric toroidal plasmas 09 p1400 N91-17709
HARLOFF, G. J.
Viscous three-dimensional analyses for nozzles for hypersonic propulsion 15 p2380 N91-23175
HARLOFF, GARY J.
High alpha inlets 12 p1836 N91-20091
HARM, D. L.
Postural changes following sensory reinterpretation as an analog to spaceflight 11 p1748 N91-19610
HARMAN, JOAN
Techniques to aid DoD writers in developing user-oriented directives
[AD-A229962] 12 p1997 N91-20991
HARMAN, R. R.
Gamma Ray Observatory (GRO) OBC attitude error analysis 09 p1291 N91-17092
HARMAN, T. C.
Materials systems for 2- to 5-micrometers wavelength diode lasers
[AD-A228218] 08 p1155 N91-16361
HARMER, M. P.
Strength and toughness of tailored ceramic microstructures
[AD-A232911] 16 p2605 N91-24433
HARMER, T. J.
Functional specifications for mathematical computations
[DE91-006002] 13 p2143 N91-21803
HARMON, A.
The ionizing radiation environment of LDEF prerecovery predictions 16 p2707 N91-24980
The interactions of atmospheric cosmogenic radionuclides with spacecraft surfaces
16 p2707 N91-24982
HARMON, B. A.
Induced radioactivity in LDEF components
16 p2708 N91-24985
HARMON, B. N.
Mean field analysis of the CuO2 lattice: Comparison to Monte Carlo simulations
[DE91-015570] 23 p3931 N91-31968
HARMON, C. BRUCE
An experimental investigation into the use of hot-film anemometry to measure vortical velocity behind a pitching wing
[AD-A227177] 06 p0778 N91-14313
HARMON, H. E.
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
HARMON, J. K.
Mars radar mapping: Strong depolarized echoes from the Elysium/Amazonis outflow channel complex
11 p1820 N91-20001
HARMS, R. J.
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
HAROUN, L. A.
Assessing the risk of transporting hazardous materals by aircraft: A case study
[DE91-014016] 20 p3281 N91-28147
HARPER, D. A.
Contribution of cool dust to the FIR brightness distribution of NGC 6946 Sc(s)2
05 p0741 N91-14134
Peering beyond IRAS: The 100 to 350 micron dust emission from galaxies 05 p0743 N91-14141
The 100 and 160 micron maps of the dust reemission from the nucleus and inner-arm regions of NGC 6946
06 p0901 N91-14983
HARPER, DAVID F.
Online NASTRAN documentation
12 p1911 N91-20508
HARPER, G. M.
Chromospheres of cool stars
09 p1429 N91-17867
HARPER, GRAHAM M.
The outer atmospheres of hybrid giants
04 p0609 N91-13385
HARPER, RICHARD
A Byzantine resilient processor with an encoded fault-tolerant shared memory 04 p0485 N91-12695

Knowledge representation into Ada parallel processing
[NASA-CR-187451] 05 p0705 N91-13934

HARPER, S.
The cryojet revisited 16 p2579 N91-24293

HARR, P. A.
ONR tropical cyclone motion research initiative: Field experiment summary
[AD-A231152] 13 p2122 N91-21679

HARRAH, S. D.
An analysis of the effects of secondary reflections on dual-frequency reflectometers
[NASA-TM-102709] 01 p0037 N91-10221
Transverse electric scattering widths for strips-Fourier transform technique
[NASA-TM-102729] 19 p3148 N91-27401

HARRAH, STEVEN D.
Clutter modeling of the Denver Airport and surrounding areas 16 p2553 N91-24152

HARRIES, W. L.
Studies of molecular properties of polymeric materials
[NASA-TM-101854] 02 p0200 N91-11118

HARRIMAN, P. N.
Phenomenological consequences of HMRS partons
[RAL-90-036] 09 p1395 N91-17675

HARRINGTON, KIM MCKEE
Sidelobe blanking system performance: An extension of the theory leading to a new detection logic 02 p0204 N91-11139

HARRINGTON, ROGER F.
A procedure for numerical evaluation of the performance of a TM01 circular to TE10 rectangular waveguide mode converter
[AD-A230445] 12 p1893 N91-20407

HARRIOTT, JOSEPH N. B.
Long-distance sound propagation over discontinuous impedances 08 p1215 N91-16688

HARRIS, A. I.
Detection of an isotopic short submillimeter CO line: Column densities of warm gas in molecular clouds
[MPE-PREPRINT-178] 11 p1817 N91-19976
The molecular interstellar medium and the near-infrared continuum of the barred liner NGC 6764
[MPE-PREPRINT-193] 15 p2532 N91-24029

HARRIS, A. L.
Noise levels of USAF aircraft in exercise Luce Belle
[NPL-RSA(EXT)-16] 24 p4094 N91-32873

HARRIS, ANDREW I.
High angular resolution mm- and submm-observations of dense molecular gas in M82 05 p0761 N91-14230
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236
Coherent and incoherent detection 13 p2175 N91-22010

HARRIS, BERNARD A., JR.
Workshop on Exercise Prescription for Long-Duration Space Flight
[NASA-CP-3051] 01 p0098 N91-10574
Summary and recommendations for initial exercise prescription 01 p0101 N91-10588

HARRIS, C. B.
Energy dissipation in chemical reactions on ultrafast timescales
[DE91-012342] 20 p3309 N91-28315

HARRIS, CHARLES D.
The NASA Langley laminar-flow-control experiment on a swept, supercritical airfoil: Suction coefficient analysis
[NASA-TM-4267] 16 p2544 N91-24098
Laminar-flow wind tunnel experiments 16 p2551 N91-24136

HARRIS, CHARLES E.
A review of nonlinear constitutive models for metals
[NASA-TM-102727] 05 p0677 N91-13761
Evaluation of the concept of pressure proof testing fuselage structures
[DOT/FAA/CT-TN91/31] 19 p3105 N91-27155

HARRIS, D.
National Bureau of Standards Publications 1977-1987. Volume 1: Citations, key words, and abstracts
[PB91-136507] 17 p2884 N91-25943
National Bureau of Standards Publications 1977-1987. Volume 2: Indexes
[PB91-136515] 18 p3076 N91-26997

HARRIS, D. B.
Pulsed power considerations for electron beam pumped krypton fluoride lasers for inertial confinement fusion applications
[DE91-007471] 10 p1530 N91-18430
Development of KrF lasers for inertial confinement fusion
[DE91-007349] 11 p1710 N91-19419

HARRIS, D. W.
Regenerative fuel cell architectures for lunar surface power 24 p4037 N91-32560

HARRIS, DAVID B.
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282

HARRIS, DAVID R.
The Columbus APM centre flexible and efficient engineering support 14 p2214 N91-22233

HARRIS, DAVID W.
Dual-purpose self-deliverable lunar surface PV electrical power system 11 p1669 N91-19200
LDEF impact craters formed by carbon-rich impactors 16 p2712 N91-25008

HARRIS, F. I.
Weather radar technology development
[AD-A233071] 16 p2659 N91-24715

HARRIS, GARY
Laser assisted CVD growth of AlN and GaN
[AD-A232379] 15 p2518 N91-23957

HARRIS, GERALD A.
Recommended methods for statistical analysis of data containing less-than-detectable measurements
[DE91-006102] 10 p1544 N91-18499

HARRIS, HUGH
Status of the profession 24 p4121 N91-33031

HARRIS, J. A.
Nonlinear analysis and testing of adhesive joints under impact and quasi-static loading 03 p0376 N91-12103

HARRIS, J. H.
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947

HARRIS, J. M
Structure of alkylated silica surfaces: Quenching of fluorescence from covalently bound pyrene
[AD-A234642] 18 p2938 N91-26207
Molecular transport in porous silica. Quenching of fluorescence from surface-immobilized pyrene
[AD-A234643] 19 p3122 N91-27249

HARRIS, J. M.
Surface diffusion at the liquid-solid interface: Quenching of fluorescence from pyrene covalently bound to methylated silica
[AD-A234645] 18 p2948 N91-26268
Raman spectroscopy study of solvation structure in acetonitrile/water mixtures
[AD-A234921] 18 p2949 N91-26271
Imaging of fluorescent and chemiluminescent DNA hybrids using a 2-D CCD camera
[AD-A234641] 18 p3020 N91-26676
Attenuated total reflection infrared spectroscopy for measuring interfacial reaction kinetics: Hydrolysis of monochlorosilanes at silica surfaces
[AD-A236034] 19 p3126 N91-27269
Discrepancies in the crystal structures assigned to precipitated zirconia
[AD-A234644] 19 p3250 N91-27976
Quantitative investigation of charge-trapping effects on Raman spectra acquired using charge-coupled device (CCD) detectors
[AD-A236101] 19 p3254 N91-28000
Temperature-jump relaxation kinetics at liquid/solid interfaces: Fluorescence thermometry of porous silica heated by a Joule discharge
[AD-A236850] 19 p3257 N91-28018

HARRIS, J. N.
Development of continuous fiber reinforced silicon nitride
[DE91-001156] 04 p0498 N91-12764

HARRIS, J. W.
Review of CERN heavy-ion physics
[DE91-009326] 13 p2149 N91-21844

HARRIS, JAMES S.
Joint services electronic program
[AD-A238463] 22 p3668 N91-30422

HARRIS, JAMES S., JR.
Joint Services Electronic Program
[AD-A233541] 16 p2695 N91-24921

HARRIS, JOHN
An investigation into the potential use of psychometric instruments for the selection of firearms officers
[CRANFIELD-AERO-9108] 24 p4077 N91-32772

HARRIS, L. M.
Report on security issues in database systems
[DE91-011101] 17 p2887 N91-25962

HARRIS, M. R.
Long self-sustained discharge pulses for CO2 lasers: Further skirmishes
[RSRE-MEMO-4415] 10 p1529 N91-18422

HARRIS, M. T.
Boundary integral equations and the Dirichlet problem
[DE91-004537] 11 p1783 N91-19779

HARRIS, MICHAEL C.
Active/passive optical hydrography
[AD-A230697] 12 p1918 N91-20549

HARRIS, R. M.
Doppler-multipath tolerant voice communication 22 p3661 N91-30383

HARRIS, R. N.
Principal facts for about 16,000 gravity stations in the Nevada test site and vicinity
[DE90-011521] 08 p1175 N91-16470

HARRIS, REGINA
Artificial intelligence for command and control
[AD-A229342] 22 p3740 N91-30834

HARRIS, RICHARD A.
Discrete event simulation tool for analysis of qualitative models of continuous processing systems
[NASA-CASE-MSC-21465-1] 06 p0859 N91-14741

HARRIS, S. E.
Joint services electronics program
[AD-A227576] 08 p1134 N91-16237
Research studies on extreme ultraviolet and soft x ray lasers
[AD-A231033] 13 p2093 N91-21523

HARRIS, S. J.
Developments in particulate and short fiber composites 03 p0341 N91-11909

HARRIS, STEPHEN
The role of Krupp Forschungsinstitut in international R and D cooperation 24 p4114 N91-32996

HARRIS, WILLIAM J.
Reshaped human monoclonal antibodies for therapy and passive immunization
[AD-A234770] 22 p3716 N91-30682

HARRIS, WILLIAM T.
Central solar eclipses of 1992. Annual solar eclipse of 4-5 January 1992, total solar eclipse of 30 June 1992
[AD-A237614] 21 p3607 N91-30069

HARRISON, A. K.
Simulation of single mode Richtmyer-Meshkov instability using the adaptive free Lagrange method
[DE91-017657] 24 p4017 N91-32457
A two-dimensional dynamic mix model in free Lagrange hydrodynamics
[DE91-017661] 24 p4019 N91-32467

HARRISON, CHRISTOPHER G. A.
The scientific case for magnetic field satellites
[NASA-CR-186532] 01 p0017 N91-10101
Report of the panel on geopotential fields: Magnetic field, section 9 13 p2107 N91-21598

HARRISON, EDWIN F.
ERBE and AVHRR Cirrus cloud fire study 01 p0079 N91-10472
Cloud parameters from GOES visible and infrared radiances during the FIRE Cirrus IFO, October 1986 01 p0079 N91-10473
Extended time observations of California marine stratocumulus clouds from GOES for July 1983-1987 01 p0082 N91-10488
Cloud parameters derived from GOES during the 1987 marine stratocumulus FIRE Intensive Field Observation (IFO) period 01 p0085 N91-10505
Satellite orbit considerations for a global change technology architecture trade study
[NASA-TM-104081] 17 p2815 N91-25557
Science requirements for a global change technology architecture trade study
[NASA-TM-104082] 17 p2815 N91-25558

HARRISON, JAMES A.
Evaluation procedure for reinforced concrete box culverts under airfield pavements
[AD-A227920] 08 p1099 N91-16031

HARRISON, JOSEPH M.
Glare and age: Acquisition of a clinical data base for aircrew standards
[AD-A229237] 09 p1372 N91-17541

HARRISON, K.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923

HARRISON, R. F.
Optimal control by neural networks
[RR-399] 07 p1055 N91-15797
Simple object recognition by neural networks: Application of the Hough transform
[RR-410] 11 p1780 N91-19761

HARRISON, R. J.
Theoretical studies of potential energy surfaces and computational methods
[DE91-011126] 18 p3060 N91-26902

HARRISON, T. D.
Design and fabrication of a seismic mass
07 p0955 N91-15255
HARSACKY, FRANK J., JR.
Processing studies of aluminum-magnesium and aluminum-copper-lithium alloys
[AD-A227255] 06 p0809 N91-14465
HARSHMAN, D. R.
Application of muon spin relaxation experiment to the mixed state superconductors
[DE91-013689] 20 p3431 N91-29034
Application of muon spin relaxation experiment to the vortex dynamics of high temperature superconductors
[DE91-014607] 20 p3434 N91-29050
HARSHMAN, WILLIAM R.
Army Unmanned Aerial Vehicle (UAV) requirements and the joint UAV program
[AD-A228149] 08 p1095 N91-16009
HARSHVARDHAN
The role of global cloud climatologies in validating numerical models
[NASA-CR-188542] 17 p2813 N91-25549
HARSTAD, K.
Spray combustion modeling and evaluation
[NASA-CR-187887] 08 p1107 N91-16078
Spray combustion modeling and evaluation
[DE91-007923] 13 p2047 N91-21264
HARSVELD, M.
The selective listening task as a test for pilots and air traffic controllers
[IZF-1990-A-18] 10 p1564 N91-18601
HART, E. L.
Elementary particle interactions
[DE91-001220] 05 p0713 N91-13979
HART, G. A.
Optical turbulence measurements during one morning and two evening transition periods in a desert basin
[AD-A230304] 12 p1923 N91-20578
HART, GERALD E.
All-weather approach and landing guidance system using passive dihedral reflectors
[AD-D014749] 12 p1832 N91-20070
HART, HELEN MAVIS
Seasonal changes in the abundance and vertical distribution of water vapor in the atmosphere of Mars
03 p0438 N91-12448
HART, JIM
NSIUWG: Science networking retreat
18 p3078 N91-27010
HART, JOHN E.
Laboratory and theoretical models of planetary-scale instabilities and waves 08 p1183 N91-16511
Laboratory and theoretical models of planetary-scale instabilities and waves 24 p4059 N91-32675
HART, KENNETH MICHAEL
A study of atmospheric n-alkanes and PAHs and their distributions between the gaseous and particulate phases 17 p2810 N91-25535
HART, L.
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185
HART, MARY L.
Effective sunspot number (SSNi) comparison study
[AD-A231651] 14 p2353 N91-23015
HART, MAXWELL M.
An Air Revitalization Model (ARM) for Regenerative Life Support Systems (RLSS) 18 p3092 N91-27093
HART, PATRICK E.
Feasibility study of the seismic reflection method in Amargosa Desert, Nye County, Nevada
[DE91-001646] 06 p0847 N91-14676
HART, R. M.
Signal blending in control systems structural interactions
[BU-505] 14 p2197 N91-22132
HART, ROGER C.
Large collective lamb shifts in high pressure noble gases
[DE90-017761] 04 p0528 N91-12924
HART, RUSSELL E., JR.
Preliminary results from the advanced photovoltaic experiment flight test
[NASA-TM-103269] 02 p0189 N91-11058
HART, SANDRA G.
Crew workload strategies in advanced cockpits
02 p0163 N91-10945
HARTEMANN, P.
Microwave superconducting electronic devices
05 p0723 N91-14037
HARTEN, AMI
Recent developments in shock-capturing schemes
[NASA-CR-187502] 09 p1392 N91-17659
HARTEVELT, M. A.
An exploratory study of the interpretation of logical operators in database querying
[AD-A236478] 19 p3261 N91-28036
HARTFIELD, AMY R.
URV multiprocessor control system and ground station controller software design
[AD-A237532] 22 p3741 N91-30841
HARTFIELD, J.
Supercritical microgravity droplet vaporization
13 p2062 N91-21354
HARTH, E.
Alopex optimization algorithm
[AD-A228442] 08 p1203 N91-16615
HARTH, ERICH
Mechanisms of higher brain functions: A study of models of perception
[AD-A232389] 15 p2476 N91-23712
HARTIN, J. R.
Load response of horizontal-axis wind turbines to turbulence
[DE90-000375] 06 p0841 N91-14644
HARTJES, F.
Operation of the microstrip gas detector
[NIKHEF-H/90-13] 14 p2268 N91-22548
HARTL, E.
Fiber optic interferometric measuring method for the determination of a very small polarization coefficient
[MBB-UA-1185-90-PUB] 11 p1799 N91-19876
HARTL, PHILIPP
Multi-parametric SAR system: Demands by and chances for the Mission to Planet Earth 07 p0991 N91-15436
HARTLEY, CRAIG S.
Results from teleoperated free-flying spacecraft simulations in the Martin Marietta space operations simulator lab 12 p1847 N91-20150
HARTLEY, DIANE E.
The part task trainer for airborne weapons systems: Human factors evaluation of the user interface
[DE90-017772] 03 p0397 N91-12205
HARTLEY, T. T.
Exact and approximate solutions to the oblique shock equations for real-time applications
[NASA-CR-187173] 21 p3452 N91-29147
HARTMAN, RICHARD M.
Tritium method oil consumption and its relation to oil film thickness in a production diesel engine
[AD-A226649] 05 p0668 N91-13714
HARTMAN, STANDISH C.
Air-Surface-Missile data link system
[AD-D014920] 22 p3662 N91-30385
HARTMAN, WAYNE
Challenges in building intelligent systems for space mission operations 12 p1940 N91-20672
HARTMANN, CARLOS R.
Test generation for digital circuits using parallel processing
[AD-A231006] 13 p2077 N91-21440
HARTMANN, D.
Human dermal fibroblast sensitivity to hypergravity
11 p1751 N91-19630
HARTMANN, JOHN K.
Early focus development effort, ultrasonic inspection of fixed housing metal-to-adhesive bondline
[NASA-CR-184143] 14 p2273 N91-22573
HARTMANN, K.
Systematic investigations of body-wing-tail interference at high angles of attack 06 p0774 N91-14290
HARTMANN, M.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614
HARTMANN, ROBIN ADRIANUS
A contribution to the understanding of ac losses in composite superconductors
[ISBN-90-9002966-4] 03 p0424 N91-12374
HARTMANN, SVEN
Spontaneous and induced coherent radiation generation in atomic vapors
[AD-A226776] 06 p0873 N91-14830
HARTMANN, ULRICH
Midcourse guidance technologies for advanced tactical missiles systems 05 p0619 N91-13436
HARTMANN, W.
Monolithic CFC-main landing gear door for Tornado
[MBB/FE212/CFK/PUB/014/1]
19 p3104 N91-27150
HARTMANN, W. K.
Pre-encounter observations of 951 Gaspra
17 p2897 N91-26010
HARTMAYER, R.
Fiber Optic Tactical Local Network (FOTLAN)
15 p2540 N91-24072
HARTMAYER, RON
LDEF fiber optic exposure experiment
16 p2723 N91-25080
HARTROPP, S. J.
Aero engine design factors for a low fuel price scenario
[PNR-90681] 01 p0011 N91-10066
HARTSFIELD, J.
Outline of the Solar System: Activities for elementary students
[NASA-TM-104965] 17 p2890 N91-25975
HARTSOUGH, CRAIG STEVEN
Frontal interactions with orography: Objective cross-sectional analysis of ALPEX data
05 p0690 N91-13836
HARTUNG, LIN C.
Nonequilibrium radiative heating prediction method for aeroassist flowfields with coupling to flowfield solvers
[NASA-CR-188112] 12 p1895 N91-20419
HARTY, RICHARD B.
Issues concerning centralized versus decentralized power deployment
[NASA-CR-187121] 20 p3366 N91-28648
HARTZHEIM, WOLFGANG
THERMOPT: An optimizer for ESATAN models
[MBB/FW522/S/PUB/427] 08 p1206 N91-16630
HARUVI-BUSNACH, IDIT
Ge-Sn-Se, Ge-Se-Te, and Ge-Sn-Se-Te glasses for infra-red optical fibers
[ITN-91-85148] 22 p3754 N91-30928
HARVEY, GALE A.
Organic contamination of LDEF
16 p2707 N91-24979
Effects of long-duration exposure on optical system components 16 p2721 N91-25070
HARVEY, HAROLD
Microgravity strategic planning exercise
[NASA-CR-184167] 16 p2612 N91-24463
HARVEY, J. A
Multilevel resonance analysis of Co-59 neutron transmission measurements
[DE91-012135] 20 p3397 N91-28829
HARVEY, J. A.
Measurement of the nitrogen total cross section from 0.5 eV to 50 MeV and analysis of the 433-keV resonance
[DE91-012222] 18 p2953 N91-26293
HARVEY, JAMES D.
An implementation and analysis of the Abstract Syntax Notation One and the basic encoding rules
[NASA-CR-187409] 04 p0560 N91-13105
Experience with abstract notation one
[NASA-CR-188090] 13 p2133 N91-21741
HARVEY, N. W.
Detailed heat transfer measurements in nozzle guide vane passages in linear and annular cascades in the presence of secondary flows
[PNR-90706] 01 p0044 N91-10260
HARVEY, P. M.
High spatial resolution 100 micron observations of the M83 bar 05 p0740 N91-14130
An infrared jet in Centaurus A (NGC 5128): Evidence for interaction between the active nucleus and the interstellar medium 05 p0749 N91-14175
High spatial resolution studies of galaxies in the far IR: Observations with the KAO, and the promise of SOFIA
05 p0761 N91-14229
The compact far infrared emission from the young stellar object IRAS 16293-2422 06 p0894 N91-14940
HARVEY, R.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919
HARVEY, TINA M.
Access and operator methods for the Triton nested relational database system
[AD-A230608] 13 p2168 N91-21962
HARVEY, W. DON
Future regional/commuter challenges
10 p1453 N91-18006
HARVEY, WILLIAM D.
The NASA Langley laminar-flow-control experiment on a swept, supercritical airfoil: Suction coefficient analysis
[NASA-TM-4267] 16 p2544 N91-24098
Laminar-flow wind tunnel experiments
16 p2551 N91-24136
Results of correlations for transition location on a clean-up glove installed on an F-14 aircraft and design studies for a laminar glove for the X-29 aircraft accounting for spanwise pressure gradient
16 p2551 N91-24138
HARVIE, E.
Accuracy of the ERBS definitive attitude determination system in the presence of propagation noise
09 p1288 N91-17079
The accuracy of dynamic attitude propagation
09 p1289 N91-17086

HARVILL, K. A.
Guide to design, implementation and management of distributed databases
[PB91-187567] 21 p3604 N91-30054
HARVILL, WILLIAM E.
Composite transport wing technology development: Design development tests and advanced structural concepts
[NASA-CR-4177] 21 p3471 N91-29253
HARWIT, MARTIN
Submillimeter observations with the Kuiper Airborne Observatory 13 p2172 N91-21987
The submillimeter wave astronomy satellite 13 p2177 N91-22025
HARWOOD, R. J.
Unsteady aerodynamic forces on parachute canopies 10 p1461 N91-18059
HARWOOD, T. L.
An assessment of tailoring of lightning protection design requirements for a composite wing structure on a metallic aircraft 24 p4053 N91-32641
HASAN, M. M.
Self-pressurization of a flightweight liquid hydrogen storage tank subjected to low heat flux
[NASA-TM-103804] 12 p1878 N91-20324
A pressure control analysis of cryogenic storage systems
[NASA-TM-104409] 16 p2611 N91-24460
A numerical study of the direct contact condensation on a horizontal surface
[NASA-TM-104432] 16 p2627 N91-24548
HASE, YOSHIHIRO
Satellite sound broadcast research aspect in CRL 03 p0352 N91-11965
HASEGAWA, A.
Anomalous transport studies for heliotron/torsatron 10 p1600 N91-18823
Space propulsion by fusion in a magnetic dipole
[DE91-012033] 20 p3302 N91-28275
Nonadiabatic behavior of the magnetic moment of a charged particle in a dipole magnetic field 20 p3412 N91-28920
HASEGAWA, SATOSHI
Axial thrust balancing of small high-speed high-pressure rocket pumps
[NAL-TR-1090] 17 p2783 N91-25400
HASEGAWA, T.
The University of Tokyo-Norbeyama Radio Observatory submillimeter survey telescope 13 p2181 N91-22051
HASEGAWA, YOSHIYUKI
JEM ground control system 14 p2211 N91-22210
HASELBERGER, GIL
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
HASH, M. C.
Development of high performance sodium/metal chloride cells
[DE90-017668] 02 p0207 N91-11159
Evaluation of novel solid electrolyte materials
[DE90-011164] 08 p1133 N91-16231
HASHEMI-KIA, MOSTAFA
Development and application of a technique for reducing airframe finite element models for dynamics analysis
[NASA-CR-187448] 07 p1021 N91-15607
Development and applications of a multi-level strain energy method for detecting finite element modeling errors
[NASA-CR-187447] 11 p1722 N91-19478
HASHEMI-YEGANEH, SHAHROKH
Advanced electromagnetic methods for aerospace vehicles
[NASA-CR-187721] 07 p0994 N91-15453
HASHIDA, T.
Standardization program for fracture evaluation of Functionally Gradient Material (FGM) of very high temperature application 03 p0333 N91-11862
HASHIDATE, MASATAKA
A system design and demonstrative field test of wind turbine with a 14 m diameter rotor
[NAL-TR-1056] 01 p0065 N91-10389
Wind tunnel test of a propeller working in a low Reynolds number range
[NAL-TR-1071] 13 p2020 N91-21112
HASHIM, SAFAA H.
AiGERM: A logic programming front end for GERM 13 p2167 N91-21957
HASHIMOTO, KEISUKE
Unsteady flow analysis in two-dimensional compressor cascade 24 p3947 N91-32064
HASHIMOTO, MASAKATA
Transonic aerodynamics analyses of unconventional wing configurations by 3D-Euler code 04 p0457 N91-12555
A computational and experimental analysis of joined-wing aerodynamics
[NAL-TR-1088T] 17 p2729 N91-25114
HASHIMOTO, Y.
Reduction of low energy components in pulse ion beam 11 p1801 N91-19889
Generation and focusing of carbon ion beam by the inverse pinch ion diode 11 p1801 N91-19890
HASHIN, Z.
Micromechanical evaluation of ceramic matrix composites
[AD-A236756] 19 p3121 N91-27240
HASHISH, MOHAMED
Abrasive-waterjet machining of isogrid structures
[AD-A234628] 18 p2972 N91-26405
HASIEWICZ, Z.
BRST formulation of the Gupta-Bleuler quantization method
[NIKHEF-H/90-7] 04 p0574 N91-13190
HASINGER, G.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
HASKIN, L. A.
Oxygen and iron production by electrolytic smelting of lunar soil 16 p2594 N91-24371
HASKIN, LARRY A.
Oxygen and iron production by electrolytic smelting of lunar soil 17 p2748 N91-25208
Oxygen production by electrolysis of molten lunar regolith 17 p2752 N91-25234
Lunar oxygen and metal for use in near-Earth space: Magma electrolysis 17 p2755 N91-25248
Lunar resources: Toward living off the lunar land 17 p2755 N91-25249
Electrolysis of lunar soil to produce oxygen and metals 17 p2901 N91-26023
Magma Electrolysis: An update 17 p2901 N91-26024
A geochemical assessment of possible lunar ore formation 17 p2901 N91-26027
On prediction and discovery of lunar ores 17 p2902 N91-26028
HASKINS, P. S.
Gamma radiation survey of the LDEF spacecraft 16 p2707 N91-24981
HASKOVEC, J.
A silicon avalanche photodiode detector circuit for Nd:YAG laser scattering
[DE91-002709] 05 p0667 N91-13706
HASLIM, LEONARD A.
Lightweight, fire-retardant, crashworthy aircraft seat cushioning 14 p2359 N91-23052
Airborne rescue system
[NASA-CASE-ARC-11909-1] 23 p3786 N91-31113
HASMINSKII, RAFAEL
On density estimation in the view of Kolmogorov's ideas in approximation theory
[CWI-BS-R8928] 02 p0264 N91-11477
HASSAM, A. B.
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
Joint proposal for US/USSR on nonlinear dynamics and plasma transport
[DE91-014360] 20 p3422 N91-28981
HASSAN, RAZI A.
Structure function calculations for Ostwald Ripening processes 10 p1630 N91-18986
HASSEBROCK, FRANK H.
Troubleshooting Assessment and Enhancement (TAE) program: Theoretical, methodological, test, and evaluation issues
[AD-A236401] 19 p3228 N91-27846
HASSELMAN, D. P.
The effect of microstructure on the thermal conductivity of ZnS/diamond composites
[AD-A231349] 13 p2163 N91-21928
HASSELMAN, T. K.
Methods for evaluating the predictive accuracy of structural dynamic models
[NASA-CR-187649] 06 p0838 N91-14630
HASSELMAN, TIMOTHY K.
Assessing damping uncertainty in space structures with fuzzy sets 12 p1944 N91-20696
AIAA/AFOSR Workshop on Microgravity Simulation in Ground Validation Testing of Large Space Structures
[AD-A231507] 14 p2233 N91-22354
HASSOUN, JOHN A.
KC-135 ground collision avoidance system questionnaire
[AD-A234385] 18 p2923 N91-26125
Evaluation of the C/EC/KC-135 Ground Collision Avoidance System (GCAS), study 1
[AD-A235301] 18 p2924 N91-26130
HASTIE, J. W.
Thermodynamic and kinetic stability of refractory materials at ultra-high temperatures
[AD-A235490] 19 p3133 N91-27314
HASTINGS, D.
Significant reduction in arc frequency biased solar cells: Observations, diagnostics, and mitigation technique(s) 22 p3636 N91-30235
HASTINGS, DANIEL
The study of plasma clouds around large active space structures
[AD-A230634] 13 p2155 N91-21681
HASTINGS, DANIEL E.
Theory of plasma contactors in ground-based experiments and low Earth orbit 09 p1403 N91-17721
HASTINGS, E. C., JR.
Flight test to determine feasibility of a proposed airborne wake vortex detection concept
[NASA-TM-102672] 14 p2190 N91-22096
HASTINGS, J. B.
Soft x ray magnetic scattering study of thin films and multilayers
[DE91-017472] 24 p4102 N91-32920
HASTINGS, R.
Experiments with the first RAE electron bombardment ion exchange
[RAE-TR-71023] 19 p3240 N91-27917
HASTINGS, R. R.
Evaluation of a new fuel with higher energy density 10 p1465 N91-18079
HATAT, J. L.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
HATCHER, PATRICK
Advanced thermally stable jet fuels development program annual report. Volume 2: Compositional factors affecting thermal degradation of jet fuels
[AD-A229693] 12 p1878 N91-20323
HATFIELD, JACK J.
An assessment of advanced displays and controls technology applicable to future space transportation systems 09 p1281 N91-17040
HATFIELD, WILLIAM E.
Strong exchange coupling in lanthanide bis(phthalocyaninato) sandwich compounds
[AD-A234466] 18 p3068 N91-26951
Electrical, magnetic, and spectroscopic properties of tetrathiafulvalene charge transfer compounds with iron, ruthenium, rhodium, and iridium halides
[AD-A237607] 21 p3475 N91-29273
HATHAWAY, M. D.
NASA low-speed centrifugal compressor for 3-D viscous code assessment and fundamental flow physics research
[NASA-TM-103710] 12 p1828 N91-20044
HATHAWAY, W. T.
Safety of high speed magnetic levitation transportation systems. Preliminary safety review of the transrapid maglev system
[PB91-129684] 11 p1693 N91-19326
HATORI, T.
Structures of magnetic field lines in the helical torus 20 p3414 N91-28932
HATORI, TADATSUGU
Current bubble formation by nonlinear coupling of resistive tearing modes
[DE90-520195] 04 p0584 N91-13256
HATSUKADE, I.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015
HATTA, NATSUO
Numerical analysis of bubbly liquid in convergent-divergent nozzle 24 p3945 N91-32052
HATTAN, CLAUDE P.
Specification for a surface-search radar-detection-range model
[AD-A229711] 12 p1884 N91-20357
HATZIS, PATRICIA M.
Examination of RTCA/DO-198 position reconstruction algorithms for area navigation with the microwave landing system
[AD-A224804] 04 p0474 N91-12648
A Gaussian algorithm using coordinate rotation for area navigation operations with the microwave landing system
[AD-A225642] 04 p0475 N91-12653
A successive partial-relaxation Gaussian algorithm for area navigation operations with the Microwave Landing System (MLS)
[AD-A228871] 08 p1094 N91-16004
HAUENSTEIN, R. J.
Development of Si/SiGe heterostructures
[AD-A232747] 15 p2518 N91-23961
HAUENSTEIN, ROBERT J.
Possibilities for LWIR detectors using MBE-grown Si(/Si(1-x)Ge(x) structures 06 p0796 N91-14400

HAUER, ALLAN A.
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282
HAUER, ROBERT L.
Removable hand hold
[NASA-CASE-LEW-15196-1] 18 p2995 N91-26543
HAUF, WILLIAM J.
The identification of contracting terms in support of the body of knowledge
[AD-A229419] 22 p3762 N91-30973
HAUGE, ROBERT H.
Matrix isolation as a tool for studying interstellar chemical reactions 06 p0897 N91-14956
Thermophysical property measurements in electromagnetic levitators 13 p2061 N91-21344
HAUGEN, G.
Satellite cloud analyses: A nowcasting capability for the US Navy's TESS(3)
[AD-A231120] 13 p2122 N91-21676
Tactical Environmental Support System (TESS(3)) satellite cloud analyses
[AD-A231247] 13 p2122 N91-21681
HAUGHT, DEBORAH A.
Low temperature synthesis of high purity monoclinic celsian using topaz
[AD-D014712] 10 p1502 N91-18263
Low temperature synthesis of high purity monoclinic celsian
[AD-D014715] 10 p1502 N91-18264
Rigid mullitewhisker felt and method of preparation
[AD-D014648] 11 p1674 N91-19225
HAUK, V.
The x ray elastic constants of ceramic materials for the determination of the stresses from lattice expansion measurements 05 p0639 N91-13541
HAUKENES, LARRY O.
A computational and experimental study of flush heat sources in liquids
[AD-A236836] 19 p3257 N91-28017
HAUN, ALLEN L.
Simulation of multipath for semiactive missiles 07 p1045 N91-15734
HAUPT, RANDY L.
Antenna and backscattering patterns of reflectors that are partially resistive
[AD-A231825] 14 p2257 N91-22481
HAUPT, ROBERT W.
Physical property measurements on analog granites related to the joint verification experiment
[AD-A230571] 13 p2116 N91-21650
HAUSCHILDT, P. H.
Model atmospheres for the early stages of novae in outburst 09 p1442 N91-17948
HAUSER, M. G.
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
HAUSER, S. G.
The Department of Energy's solar industrial program: New ideas for American industry
[DE91-002197] 21 p3536 N91-29649
HAUSERMAN, W. B.
Performance evaluation of a novel erosion-resistant pump design
[DE91-008201] 18 p2993 N91-26528
HAUSMANN, JOHN C., JR.
Administrative guide for the flight surgeon and the aeromedical technician: Performing medical examinations
[AD-A235178] 18 p3030 N91-26727
HAUSSLING, HENRY J.
Computation of incompressible flow around the DARPA SUBOFF bodies
[AD-A226481] 05 p0657 N91-13646
HAUXTHAUSEN, E. M.
Radio line and continuum observations of quasar-galaxy pairs and the origin of low reshift quasar absorption line systems 08 p1258 N91-16925
HAVEL, ROBERT F.
Flight Service Automation System (FSAS) Model 1 Full Capacity (M1FC) Operational Test and Evaluation (OT/E)/integration test report
[DOT/FAA/CT-TN90/45] 14 p2191 N91-22100
HAVEN, V.
Patterning and overgrowth of nanostructure quantum well wire arrays by LP-MOVPE (low pressure-metalorganic vapor phase epitaxy)
[DE91-000717] 04 p0591 N91-13302
Tunnel junctions for InP-on-Si solar cells 22 p3631 N91-30204
HAVENER, A. G.
Aero-optics measurement system for the AEDC aero-optics test facility
[AD-A232852] 15 p2510 N91-23908
HAVENER, C. C.
Electron emission during multicharged ion-surface interactions
[DE91-000615] 04 p0581 N91-13240
Electron capture by multicharged ions from hydrogen atoms at eV energies
[DE91-001214] 04 p0582 N91-13243
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
Electron capture in very low energy collisions of multicharged ions with H and D in merged beams
[DE91-015617] 21 p3579 N91-29909
HAVENHILL, DOUGLAS G.
Magnetic suspension systems for space applications 13 p2035 N91-21189
HAVENITH, G.
The effect of condensation in clothing on heat transfer
[IZF-1990-B-5] 05 p0697 N91-13881
HAVENS, STEPHEN J.
N-(3-ethynylphenyl)maleimide
[NASA-CASE-LAR-14188-2] 06 p0801 N91-14419
HAVENS, STEVEN J.
Methyl substituted polyimides containing carbonyl and ether connecting groups
[NASA-CASE-LAR-14351-1] 05 p0642 N91-13561
HAVERKORT, BOUDEWIJN
Compiler generation based on grammar inheritance
[MEMO-INF-90-07] 03 p0405 N91-12257
HAVERKORT, BOUDEWIJN R.
Simulation of failure prone token rings using fault injection simulation
[MEMO-INF-90-44] 10 p1586 N91-18744
Using dynamic queueing networks for performability modelling
[MEMO-INF-90-25] 10 p1588 N91-18754
DyQNtool: A performability modelling tool based on the dynamic queuing network concept
[MEMO-INF-90-26] 10 p1588 N91-18755
Fault infection simulation: A variance reduction technique for systems with rare events
[MEMO-INF-91-05] 22 p3735 N91-30798
HAVERLAND, MANFRED
The use of array processors for real time, high frequency turbulence measurements 14 p2289 N91-22660
HAVEY, KEITH
Effects of long term exposure on optical substrates and coatings (SOO50-1) 16 p2721 N91-25071
HAVILAND, J. K.
Design of cryogenic tanks for space vehicles shell structures analytical modeling 19 p3131 N91-27296
HAVILAND, JOHN K.
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209
HAVINGA, PAUL J. M.
Communication issues for parallel systems
[MEMO-INF-90-54] 10 p1577 N91-18682
An algorithm for generating node disjoint routes in Kautz digraphs
[MEMO-INF-90-43] 22 p3738 N91-30823
HAVLEN, ROBERT
Status of the profession 24 p4121 N91-33031
HAVORD, P. J.
Mereenie Oil and Gas Field, Amadeus Basin, Northern Territory 19 p3198 N91-27677
HAW, JAMES F.
Thermal degradation chemistry of poly(diphenoxy phosphazene)
[AD-A235284] 18 p2951 N91-26282
HAWARD, A.
Study on H-mode and improved confinement in JFT-2M 10 p1599 N91-18819
HAWARDEN, T. G.
Radiatively-cooled telescopes for infrared space astronomy 13 p2180 N91-22048
HAWICK, K. A.
Chemical phase separation in binary iron-chromium alloys
[DE91-010282] 18 p2953 N91-26294
HAWKE, R. S.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Performance of hypervelocity armatures with replenished metal vapor plasmas
[DE91-011931] 18 p2934 N91-26187
HAWKE, RONALD S.
Prevention of breakdown behind railgun projectiles
[DE90-014573] 01 p0015 N91-10094
HAWKEY, TIMOTHY
Magnetic bearings for a spaceflight optical disk recorder 13 p2036 N91-21195
HAWKINS, CHARLES F.
The use of light emission in failure analysis of CMOS ICs
[DE91-001234] 06 p0838 N91-14633
HAWKINS, DANIEL B.
Solid state radioluminescent sources using zeolites
[DE90-017594] 04 p0590 N91-13296
Solid state radioluminescent sources using zeolites
[DE91-002703] 06 p0880 N91-14857
HAWKINS, G. J.
Exposure to space radiation of high-performance infrared multilayer filters 16 p2722 N91-25076
HAWKINS, GARY F.
Ultrasonic evaluation of SRMU bondlines
[AD-A231697] 14 p2236 N91-22369
HAWKINS, GEORGE WILLIAM
Extended far-infrared emission from evolved stars and planetary nebulae 22 p3773 N91-31042
HAWKINS, J.
A study of the inhibition of pitting of aluminum by chromate
[DE91-006915] 13 p2052 N91-21294
HAWKINS, J. D.
An AVHRR data set for the arctic leads ARI
[AD-A237221] 21 p3534 N91-29637
HAWKINS, JEFFREY D.
Diurnal ocean surface layer model validation
[AD-A229010] 09 p1370 N91-17528
Altimeter Sea Ice Workshop
[AD-A229396] 22 p3695 N91-30574
HAWKINS, MICHAEL L.
A generalization of Snell's law
[AD-A230653] 12 p1982 N91-20905
HAWKINS, R. J.
Ring-laser solitons: A multipass approach
[DE91-013242] 20 p3351 N91-28560
Simulation of planar integrated photonics devices with the LLNL time-domain finite-difference code suite
[DE91-011929] 20 p3405 N91-28876
HAWKINS, RICHARD W.
A highly efficient engineering tool for three-dimensional scramjet flowfield and heat transfer computations 13 p2017 N91-21098
HAWKINS, RUPERT S.
Automated cloud typing using satellite imagery
[AD-A231419] 14 p2288 N91-22650
HAWLEY, A. V.
Test results for composite specimens and elements containing joints and cutouts
[NASA-CR-178246] 21 p3472 N91-29254
HAWLEY, ROBERT J.
Analysis of helicopter mishaps at heliports, airports, and unimproved sites
[SCT-90RR-46] 09 p1275 N91-17010
HAWRYLUK, A. M.
Reflection mask technology for soft x ray projection lithography
[DE91-012561] 20 p3405 N91-28877
Distortion free projection lithography
[DE91-016570] 24 p4101 N91-32916
Wafer cost analysis for a soft x ray projection lithography system
[DE91-016605] 24 p4102 N91-32918
HAWSEY, R. A.
Design and performance of an axial air-gap solution pump motor
[DE91-009988] 16 p2621 N91-24516
HAWTHORN, J. BLAND
Deep Fabry-Perot imaging of NGC 6240: Kinematic evidence for merging galaxies 08 p1257 N91-16922
HAWTHORNE, J. F.
Gauge bosons and heavy quarks: Proceedings of Summer Institute on Particle Physics
[DE91-011248] 18 p3061 N91-26907
HAWTHORNE, J. R.
Mechanical properties of 1950's vintage Type 304 stainless steel weldment components
[DE91-004328] 05 p0579 N91-13774
HAWWA, MUHAMMAD A.
Thermoelastic wave propagation in laminated composites 18 p2939 N91-26209
HAXTHAUSEN, ERIC
Radio continuum observations of the quasar-galaxy pair 3C 232-NGC 3067 05 p0760 N91-14226
HAXTON, WICK
Supernova neutrinos, giant resonances, and nucleosynthesis
[DE91-001148] 04 p0609 N91-13387
HAYAKAWA, S.
A rocket-borne measurement of interstellar dust emission at high galactic latitude 06 p0900 N91-14976
HAYAMI, KEN
A two- and three-dimensional fluid flow analysis system using a fast linear system solver 04 p0451 N91-12516

HAYASHI, ISAO
Learning control of inverted pendulum system by neural network driven fuzzy reasoning: The learning function of NN-driven fuzzy reasoning under changes of reasoning environment 13 p2141 N91-21785
HAYASHI, KOICHI
Numerical study on injected jet into a supersonic flow 04 p0452 N91-12525
Numerical simulation on inverse jet of solid rocket motor 04 p0453 N91-12526
Numerical simulation of a shock wave propagation in the solid particle layer 04 p0453 N91-12527
HAYASHI, M.
The University of Tokyo-Norbeyama Radio Observatory submillimeter survey telescope 13 p2181 N91-22051
HAYASHI, MASANORI
Numerical calculations of separated flows around a wing section at unsteady motion by a discrete vortex method 04 p0451 N91-12517
Numerical simulations of unsteady shock reflection processes by a ramp 08 p1139 N91-16267
Numerical simulation of separated flows around a wing section at steady and unsteady motion by a discrete vortex method 08 p1139 N91-16268
HAYASHI, RYUICHI
A study on prediction of life due to creep behavior in CF/EPOXY and CF/PEEK laminates 11 p1674 N91-19226
HAYASHI, T.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970
Suppression of magnetic surface breaking by simple extra coils in a finite beta equilibrium of helical system
[NIFS-76] 17 p2866 N91-25848
Self-organizing processes in magnetically confined plasma 20 p3406 N91-28883
Equilibrium beta limit of helical systems 20 p3408 N91-28884
HAYASHI, YOICHI
Fundamental verification of tailoring technology for control of a coefficient of thermal expansion by composite testing facilities
[NAL-TR-1058] 08 p1105 N91-16069
HAYASHIDA, K. B.
Empirical predictions of hypervelocity impact damage to the space station
[NASA-TM-103550] 22 p3728 N91-30751
HAYATI, SAMAD A.
Bilevel shared control for teleoperators
[NASA-CASE-NPO-17800-1-CU] 05 p0670 N91-13724
HAYDEN, S. Z.
The microstructure and tensile properties of nitrogen containing vacuum atomized Alloy 690
[DE91-010695] 16 p2602 N91-24418
HAYDEN, W. R.
Orbital transfer vehicle oxygen turbopump technology. Volume 1: Design, fabrication, and hydrostatic bearing testing
[NASA-CR-185175] 11 p1665 N91-19174
HAYDEN, Y. T.
Platinum solubility in phosphate laser glass
[DE91-015123] 20 p3353 N91-28571
Thermal-mechanical and physical-chemical properties of phosphate laser glasses
[DE91-016604] 24 p3979 N91-32227
Spectroscopic properties of Nd3+ dopant ions in phosphate laser glass
[DE91-017665] 24 p4112 N91-32985
HAYDUK, R. J.
The NASA controls-structures interaction technology program
[NASA-TM-102752] 08 p1103 N91-16057
HAYER, L. K.
Development of models for welding applications
[DE91-001101] 04 p0532 N91-12953
HAYES, B. C.
Illuminance and luminance distributions of a prototype ambient illumination system for Space Station Freedom
[NASA-TM-103541] 18 p2936 N91-26193
HAYES, BRIAN C.
Adaptive human-computer interfaces using expert profiles
[AD-A226906] 06 p0855 N91-14721
User acceptance of intelligent avionics: A study of automatic-aided target recognition
[NASA-CR-177583] 17 p2824 N91-25601
HAYES, DONALD J.
Study of orifice fabrication technologies for the liquid droplet radiator
[NASA-CR-187114] 14 p2236 N91-22372
HAYES, J. A.
Component field failure data base 24 p4003 N91-32380
HAYES, J. J. E.
The cD galaxy in Abell cluster 1775 08 p1251 N91-16886
HAYES, JUDITH
Space station 01 p0099 N91-10576
HAYES, PETER
Computer-assisted strain-gage monitoring and data reduction system
[AD-A226894] 06 p0830 N91-14589
HAYES, ROBERT
System requirements and design features of Space Station Remote Manipulator System mechanisms 16 p2639 N91-24605
HAYES, T.
MTSL-005: Reliability evaluation of high pincount hermetic ceramic packages for space applications 24 p3995 N91-32328
HAYHURST, KELLY J.
GCS programmer's manual
[NASA-TM-102721] 09 p1384 N91-17612
Structural factoring approach for analyzing stochastic networks
[NASA-TP-3069] 10 p1588 N91-18753
HAYMAKER, R. W.
Convergence of Langevin simulation for complex Gaussian integrals
[DE90-017402] 01 p0114 N91-10665
HAYMAKER, RICHARD
Research in elementary particle physics
[DE90-017278] 01 p0120 N91-10708
HAYMAKER, RICHARD W.
Color flux distribution in pure SU(2) Lattice Gauge Theory
[DE90-017403] 02 p0280 N91-11574
HAYNE, JULIE A.
Space physics missions handbook
[NASA-TM-104941] 14 p2205 N91-22183
HAYNES, B. R.
The qualitative analysis of nonlinear parameterised systems. Part 2: A method for the global analysis of nonlinear systems
[RR-400-PT-2] 11 p1778 N91-19754
The qualitative analysis of nonlinear parameterized systems. Part 1: Nonlinear systems representation and dynamical systems theory
[RR-408-PT-1] 11 p1784 N91-19789
HAYNES, D. L.
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899
HAYNES, DAVY A.
Feasibility analysis of cislunar flight using the Shuttle Orbiter
[NASA-TM-104084] 16 p2565 N91-24220
HAYNES, J. B.
A distributed database design for multi-control centre systems 14 p2222 N91-22288
HAYNES, M. P.
Limitations to the method of power spectrum analysis: Nonstationarity, biased estimators, and weak convergence to normality
[DE91-008583] 21 p3564 N91-29812
HAYNES, R. A.
Requirements for a network storage service
[DE91-014106] 20 p3389 N91-28778
Benchmarking a Network Storage Service
[DE91-013510] 23 p3916 N91-31868
HAYNES, RONALD B.
Architecture for electronic imagery interoperability
[AD-A226522] 05 p0700 N91-13901
HAYNES, T. E.
Dose rate effects on damage formation in ion-implanted gallium arsenide
[DE91-000394] 08 p1235 N91-16806
HAYNES, W. J.
The data acquisition system for the HERA H1 experiment
[RAL-90-039] 07 p1067 N91-15868
HAYRAPETYAN, V. S.
On the generation of magnetic fields in active star atmospheres 06 p0922 N91-15099
HAYS, A. K.
Carborane films: Applications to first-wall problems in tokamaks
[DE91-004034] 07 p1068 N91-15878
How clean is clean. How clean is needed
[DE91-008173] 13 p2068 N91-21391
HAYS, CLIFFORD O., JR.
Computer-Aided Structural Engineering (CASE) project: Investigation and design of U-frame structures using program CUFRBC. Volume C: User's guide for channels
[AD-A224388] 02 p0252 N91-11395
HAYTER, JOHN B.
Status of the advanced neutron source
[DE91-002870] 06 p0870 N91-14810
HAYTHORNTHWAITE, R.
Advances in SEM beam micro-irradiation 24 p4000 N91-32360
HAYTON, G. E.
On the structure of polynomial models of 2-D systems
[MATHS-REPT-A-139] 15 p2494 N91-23812
HAYWARD, THOMAS L.
A study of the ten and twenty micron silicate features in celestial infrared sources 02 p0286 N91-11609
HAZEL, G.
An energy recovery system for a quasi-optical gyrotron
[DE91-008317] 11 p1699 N91-19357
HAZELBECK, D.
Ceramic fiber coating development and demonstration
[AD-A234773] 18 p2964 N91-26358
HAZELTINE, R. D.
Exact solutions for a system of nonlinear plasma fluid equations
[DE91-014367] 20 p3420 N91-28965
Analytical calculation of neutral transport and its effect on ions
[DE91-015908] 21 p3577 N91-29896
HAZELTON, LYMAN R., JR.
The temporal logic of the tower chief system 11 p1637 N91-19026
HAZEN, JOHN D.
Boeing infrared sensor (BIRS) calibration facility 11 p1659 N91-19138
HAZEN, VERNON L.
Advanced Dynamic Anthropomorphic Manikin (ADAM) design report
[AD-A234761] 18 p3036 N91-26756
HAZIZA, M.
Towards an operational fault isolation expert system for French telecommunication satellite Telecom 2 14 p2217 N91-22251
HAZZLEDINE, P. M.
The crystallography of cleavage fracture in Al3Sc
[DE91-004380] 07 p0979 N91-15373
HE, J.
Investigations of oxidation protection systems for carbon-carbon composites formed by chemical vapor deposition and plasma-assisted chemical vapor deposition techniques
[AD-A232800] 15 p2396 N91-23269
HE, JIANLIANG
Maglev system concept using 20-K high-temperature superconductors and hyperconductors
[DE91-015714] 21 p3572 N91-29860
HE, JUANRONG
Computer aided dimensioning and tolerancing for process operation planning, volume 1 07 p1047 N91-15748
HE, L.
Photoreflectance and DLTS evaluation of plasma-induced damage in GaAs and InP prior to solar cell fabrication 22 p3632 N91-30213
HE, QIANYUAN
Methods for determining crack depth
[AD-A234799] 18 p2999 N91-26562
HE, XIAO-MIN
Three-dimensional structure of human serum albumin 15 p2538 N91-24057
HE, XIAOHUA
Attitude control of tethered satellites 02 p0186 N91-11045
HEAD, J.
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results 11 p1821 N91-20002
HEAD, J. W., III
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
HEAD, NIGEL C.
The Hipparcos dedicated control system: A case stuudy of a high reliability scientific spacecraft control system 14 p2209 N91-22197
Determination of spacecraft control system user requirements and effects on development methodologies 14 p2218 N91-22262
Management strategies for the implementation of spacecraft control systems 14 p2218 N91-22263
HEADINGTON, G. L.
Method to select chemicals for in situ biodegradation of fuel hydrocarbons
[AD-A227541] 07 p0987 N91-15417
HEADLEY, DEAN E.
Airline quality rating
[NIAR-91-11] 14 p2190 N91-22098
HEADLEY, DON B.
Experimental development of taxonomic workstation
[AD-A224809] 03 p0401 N91-12227
HEADLEY, T. J.
A weldability study of Haynes Alloy no. 242
[DE90-013875] 01 p0026 N91-10154

HEALD, S. M.
XAFS studies of interactions at transition-metal/Al interfaces
[DE90-016313] 01 p0027 N91-10159
HEALD, STEVE M.
EXAFS study of sputtered Co/Al multilayers by electron detection: Structural difference due to deposition condition
[DE91-014787] 22 p3650 N91-30313
HEALEY, D. L.
Principal facts for about 16,000 gravity stations in the Nevada test site and vicinity
[DE90-011521] 08 p1175 N91-16470
HEALEY, J. V.
Control of flow over a backward facing step
[AD-A238638] 21 p3515 N91-29521
HEALEY, R. J.
Upper atmosphere IR radiation modeling and analysis
[AD-A227214] 08 p1177 N91-16482
Description of the Strategic High-Altitude Atmospheric Radiation Code (SHARC)
[AD-A237089] 21 p3541 N91-29671
HEALTH, DONALD F.
An assessment of instrument performance for the NOAA-9 SBUV/2 11 p1730 N91-19516
HEALY, ALICE F.
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance 3
[AD-A239574] 23 p3901 N91-31773
HEANEY, M. B.
Nuclear magnetic resonance experiments with DC SQUID amplifiers
[DE91-009775] 14 p2261 N91-22507
HEAP, S.
Properties of the central star of NGC 6826 (03f) 09 p1439 N91-17933
HEARD, J. W.
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
Dispersion relations of density fluctuations observed by heavy ion beam probe in the TEXT tokamak
[DE91-010422] 14 p2328 N91-22866
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918
HEARN, C. P.
An analysis of the effects of secondary reflections on dual-frequency reflectometers
[NASA-TM-102709] 01 p0037 N91-10221
Low-loss coupling to dielectric resonators
[NASA-TM-104111] 22 p3669 N91-30430
HEARN, CHASE P.
Q-circle measurement error
[NASA-TM-4253] 14 p2259 N91-22495
HEASLY, PATRICIA
Chesapeake Bay Basin Monitoring Program Atlas. Volume 1: Water quality and other physiochemical monitoring programs
[PB90-147935] 01 p0065 N91-10391
Chesapeake Bay Basin Monitoring Program Atlas. Volume 2: Biological and living resource monitoring programs
[PB90-147943] 01 p0065 N91-10392
HEATH, D. F.
Ten years of solar change as monitored by SBUV and SBUV/2 03 p0448 N91-12503
HEATH, J. C.
Literature review: Computer aided assessment techniques for nonpoint source discharges
[AD-A236347] 19 p3187 N91-27622
HEATH, M. T.
A user's guide to PICL: A portable instrumented communications library
[DE91-005648] 09 p1374 N91-17550
Early experience with the Intel iPSC/860 at Oak Ridge National Laboratory
[DE91-005602] 09 p1388 N91-17632
Modeling speedup in parallel sparse matrix factorization
[DE91-010215] 15 p2482 N91-23735
Visualizing performance of parallel programs
[DE91-014966] 21 p3561 N91-29793
HEATH, RONALD H.
Data employed in the development of a three-dimensional, time-varying numerical hydrodynamic model of Chesapeake Bay
[AD-A231654] 14 p2292 N91-22673
HEATH, W. A.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
HEATHERLY, L.
Control of texture and defect structure for hot-filament-assisted CVD (Chemical Vapor Deposition) diamond Films
[DE91-008373] 11 p1689 N91-19310
Fundamental studies of chemical vapor deposition diamond growth processes
[DE91-015324] 21 p3491 N91-29374
HEATHERLY, LEE, JR.
Chemically vapor deposited diamond films
[DE91-000384] 02 p0201 N91-11125
HEATHERTON, JAMES R.
A comparison of knowledge acquisition techniques used in the development of expert systems
[AD-A229252] 09 p1422 N91-17832
HEATON, MARK C.
Electromagnetic scattering from impedance strips and impedance-loaded conducting strips
[AD-A230526] 12 p1886 N91-20367
HEATON, R. C.
Kinetics of dark reaction in chemical laser gases
[DE91-015320] 21 p3525 N91-29579
HEAVNER, RICHARD L.
Theoretical evaluation of engine auxiliary inlet design for supersonic V/STOL aircraft
[NASA-CR-186610] 05 p0621 N91-13443
Theoretical evaluation of engine auxiliary inlet design for supersonic V/STOL aircraft
[NASA-CR-187098] 16 p2549 N91-24123
HEBEKER, FRIEDRICH KARL
On missing boundary conditions with unsteady incompressible Navier-Stokes flows
[FFA-TN-1990-45] 16 p2623 N91-24526
HEBEL, DAVID
Research on hypofluorite compounds and their chemistry
[ITN-90-85046] 07 p0973 N91-15343
HEBEN, MICHAEL J.
Mechanistic investigation of nanometer-scale/lithography at liquid-covered graphite surfaces
[AD-A237085] 21 p3486 N91-29337
Pulse induced nanlithography of graphite in H2O: A road to chemical linkages to the surface?
[AD-A237086] 21 p3486 N91-29338
HEBERT, JOHN DANIELL
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949
HEBERT, M.
A perception and manipulation system for collecting rock samples 12 p1939 N91-20669
HECHT, DIANA L.
Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] 17 p2780 N91-25388
HECHT, JAMES H.
IR emission and UV extinction in two open clusters 06 p0892 N91-14929
Si3N4 emissivity and the unidentified infrared bands 06 p0893 N91-14935
Observational constraints on interstellar dust models 06 p0904 N91-14996
HECHT, MICHAEL H.
Surface modification using low energy ground state ion beams
[NASA-CASE-NPO-17498-1-CU] 06 p0871 N91-14813
HECHT, N. L.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
HECK, MICHAEL L.
Utilization of common pressurized modules on the Space Station Freedom
[NASA-TM-102779] 12 p1854 N91-20189
Power optimal single-axis articulating strategies
[NASA-CR-187510] 13 p2104 N91-21581
Restructured Freedom configuration characteristics
[NASA-TM-104057] 23 p3801 N91-31201
HECK, PATRICK W.
ERBE and AVHRR Cirrus cloud fire study 01 p0079 N91-10472
Cloud parameters from GOES visible and infrared radiances during the FIRE Cirrus IFO, October 1986 01 p0079 N91-10473
Cirrus cloud properties derived from coincident GOES and lidar data during the 1986 FIRE Cirrus Intensive Field Observations (IFO) 01 p0080 N91-10476
HECKATHORN, WILLIAM G.
C-17 piloted cockpit testing 10 p1464 N91-18076
HECKMAN, TIMOTHY M.
Galaxy interactions and the stimulation of nuclear activity 08 p1255 N91-16910
The nature of the emission-line nebulae in powerful far-infrared galaxies 08 p1256 N91-16916
HECKSCHER, JOHN L.
Modeling and design for a new ionospheric modification experiment 10 p1549 N91-18523
Artificial Ionospheric Mirrors (AIM). A: Concept and issues 10 p1550 N91-18525
Planning for coordinated space and ground-based ionospheric modification experiments 10 p1552 N91-18535
HEDAYATPOUR, ALI
Transient two-phase flow of cryogenic fluid in a vertical transfer line during the cooldown process 20 p3345 N91-28522
HEDBLOM, INGMAR
The certification of the SAAB 340 03 p0310 N91-11736
HEDEKER, DONALD
Approximating multivariate normal orthant probabilities
[AD-A229129] 09 p1393 N91-17665
HEDEKER, DONALD R.
Full-information item bi-factor analysis
[AD-A229346] 23 p3900 N91-31771
HEDGEPETH, JOHN M.
Concepts and analysis for precision segmented reflector and feed support structures
[NASA-CR-182064] 07 p0963 N91-15300
Influence of utility lines and thermal blankets on the dynamics and control of satellites with precision pointing requirements
[NASA-CR-4366] 14 p2234 N91-22359
Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] 19 p3113 N91-27199
HEDGES, JEFFREY R.
Convective scale dynamics
[AD-A231567] 13 p2123 N91-21683
HEDGES, L. V.
Categories and particulars: Prototype effects in estimating spatial location
[AD-A234955] 18 p3033 N91-26741
HEDIN, A. E.
Neutral winds derived from IRI parameters and from the HWM87 wind model for the sundial campaign of September, 1986
[NASA-TM-103445] 01 p0093 N91-10543
HEDMAN, SVEN G.
MATGRID, a program for generation of C-H and C-O topology grids around wing/body configurations: User's guide
[FFA-TN-1991-03] 13 p2019 N91-21110
MATGRID, a program for generation of C-H and C-O topology grids around wing/body configurations: Installation guide
[FFA-TN-1989-39] 22 p3615 N91-30108
HEDRICK, J. KARL
Sliding mode control of magnetic suspensions for precision pointing and tracking applications 13 p2035 N91-21193
HEDRICK, JAMES
Mars manned fusion spaceship
[NASA-CR-188215] 15 p2390 N91-23232
HEDSTROM, G. W.
Domain decomposition: An instrument of asymptotic-numerical methods
[DE90-016478] 01 p0113 N91-10661
Layer tracking asymptotics and domain decomposition
[DE91-008593] 13 p2081 N91-21462
HEDSTROM, J. C.
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
Electrochemical energy storage using PEM systems
[DE91-016020] 23 p3890 N91-31711
HEDSTROM, KATHERINE S.
User's manual for a primitive equation regional ocean-circulation model
[AD-A234979] 22 p3712 N91-30658
HEEFNER, J.
A beam position monitor for low current dc beams
[CEBAF-PR-89-004] 06 p0871 N91-14816
HEEG, JENNIFER
Computation of maximum gust loads in nonlinear aircraft using a new method based on the matched filter approach and numerical optimization 01 p0053 N91-10317
Static and dynamic aeroelastic characterization of an aerodynamically heated generic hypersonic aircraft configuration 01 p0054 N91-10320
Aeroelastic modeling of the active flexible wing wind-tunnel model 14 p2230 N91-22333
HEEGER, A. J.
Tractable high performance polymers
[AD-A231072] 13 p2057 N91-21320
Subgap absorption in conjugated polymers
[DE91-012655] 20 p3324 N91-28402
Measurements of photo-induced changes in conjugated polymers
[DE91-013262] 20 p3328 N91-28427

HEEMSKERK, J. F.
Test loops for two-phase thermal management system components
[NLR-TP-90155-U] 22 p3679 N91-30486
Development of a sensor for high-quality two-phase flow
[NLR-MP-88059-U] 23 p3868 N91-31578
HEER, M.
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans
11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
HEEREMA, F. J.
Data management for simulations in CAE
[NLR-TP-89028-U] 22 p3733 N91-30787
HEEREMA, S. W.
Shear stress transducer concepts
16 p2577 N91-24283
HEERING, J.
Which data types have omega-complete initial algebra specifications
[CWI-CS-R8958] 03 p0404 N91-12251
HEESCHEN, DAVID
Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017
Radio astronomy 24 p4119 N91-33018
HEESE, R.
The DARPA compact superconducting x-ray lithography source features
[DE91-013864] 20 p3432 N91-29039
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981
HEESTAND, R. L.
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
HEFFERNAN, RUTH
Vibration analysis of the SA349/2 helicopter
[NASA-TM-102794] 23 p3781 N91-31078
HEFFNER, R. H.
Copper NMR and hole depletion in the normal state of Y(1-x)Pr(x)Ba2Cu3O7
[DE90-016468] 01 p0130 N91-10768
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300
Connections between magnetism and superconductivity in UBe13 doped with thorium or boron
[DE91-011416] 17 p2873 N91-25894
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959
HEFNER, B. B., JR.
Low-loss coupling to dielectric resonators
[NASA-TM-104111] 22 p3669 N91-30430
HEFNER, RACHEL E.
Static strain and vibration characteristics of a metal semimonocoque helicopter tail cone of moderate size
[NASA-CR-187576] 23 p3885 N91-31679
HEGE, E. KEITH
A quantum-efficient systematics-free photon-counting optical imaging system for long baseline interferometric imaging of faint deep space objects
[AD-A226336] 04 p0520 N91-12894
HEGEDUS, STEVEN S.
Fundamentals of polycrystalline thin film materials and devices
[DE91-002130] 10 p1608 N91-18874
HEGEMIER, G. A.
Development of a mixture for nonlinear wave propagation in fiber-reinforced composites
[AD-A237471] 21 p3470 N91-29243
HEGER, T.
Design and analysis of the 50 mm collider dipole vacuum vessel
[DE91-012490] 20 p3360 N91-28610
HEGNA, C. C.
Suppression and control of magnetic islands in toroidal plasmas 20 p3409 N91-28895
HEHENKAMP, T.
Diffusion of Ni in Cu-Au and Cu-Al alloys (TEXUS 20)
23 p3832 N91-31373
HEIBA, A. A.
Use of secondary flows for rapid mixing in scramjet combustors 15 p2379 N91-23167
HEIDBRINK, W. W.
A 15 MeV proton dianostic for DIII-D
[DE91-002717] 05 p0721 N91-14022
HEIDE, H.
Acoustic mixing (TEXUS 5) 23 p3842 N91-31423
HEIDE, W.
Solidification of immiscible alloys (TEXUS 8)
23 p3842 N91-31424
Separation of transparent fluids due to Marangoni convection (TEXUS 7) 23 p3842 N91-31425
Marangoni transport of droplets at a solidification front (TEXUS 9) 23 p3842 N91-31426
HEIDELBACH, F.
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
HEIDELBERG, L. J.
Unsteady blade pressure measurements for the SR-7A propeller at cruise conditions
[NASA-TM-103606] 11 p1791 N91-19825
HEIDELBERGER, PHILIP
Analysis of parallel, replicated simulations under a completion time constraint
[AD-A228292] 08 p1203 N91-16613
Experiments with initial transient deletion for parallel, replicated steady-state simulations
[AD-A227879] 08 p1206 N91-16636
HEIDMANN, J.
Technical considerations on using the large Nancay radio telescope for SETI 03 p0355 N91-11985
HEIDMANN, JAMES D.
A three-dimensional Navier-Stokes stage analysis of the flow through a compact radial turbine
[NASA-TM-104420] 15 p2382 N91-23186
HEIDNER, R. F., III
BiF/NF2 kinetics studies. Mechansim and conversion efficiency
[AD-A230222] 12 p1903 N91-20469
HEIDNER, RAYMOND F., III
Direct observation of NF(X) using laser-induced fluorescence: Kinetics of the NF 3 Sigma - ground state
[AD-A228294] 08 p1155 N91-16362
Direct observation of NF(X) using laser induced fluorescence: Determination of H + NF2 branching ratio
[AD-A229444] 22 p3752 N91-30913
HEIDRICH, J.
Inherently safe nuclear-driven internal combustion engines
[DE91-016568] 24 p4027 N91-32503
HEIERMANN, P.
Formation and dynamics of solitary waves and vortices in driven and damped systems
20 p3416 N91-28942
HEIFETS, V.
Small Space Lab as a basic spacecraft of Regatta project 01 p0070 N91-10423
HEIJENK, GEERT
Signalling in the B-ISDN: A survey of the state-of-the-art
[MEMO-INF-90-35] 10 p1514 N91-18337
HEIJMANS, H. J. A. M.
Grey-level morphology
[CWI-AM-R9003] 02 p0259 N91-11442
From binary to grey-level morphology
[CWI-AM-R9009] 03 p0411 N91-12298
Morphological filtering and iteration
[CWI-AM-R9016] 10 p1583 N91-18717
Graph morphology
[CWI-AM-R9019] 17 p2843 N91-25710
HEIKEN, GRANT
Discussion paper on environmental hazards on the Moon, in low Earth orbit, and in low Mars orbit
[DE90-017854] 02 p0293 N91-11646
Dust: A major environmental hazard on the Earth's moon
[DE91-001803] 07 p1083 N91-15959
HEIKES, B.
Study on observational systems: A review of meteorological and oceanographic education in observational techniques and the relationship to national facilities and needs
[PB91-198168] 24 p4070 N91-32739
HEIKKILA, TAPIO
A Model-Based Approach to High-Level Robot Control with Visual Guidance
[VTT-PUBL-71] 15 p2490 N91-23788
A solution for the man/machine-interface in robotics: A high level control language with enhanced interaction equipment 15 p2490 N91-23789
An interactive robot control system
15 p2490 N91-23790
Monitoring an assembly task by perception requests
15 p2491 N91-23791
Intelligent planning in controlling electronics assembly
15 p2491 N91-23792
Planning of visual feedback with robot-sensor co-operation 15 p2491 N91-23793
Robot-sensor co-operation planning for visual guidance 15 p2491 N91-23794
A line based object localizing method for robot vision
15 p2491 N91-23795
Object pose estimation based on one-degree-of-freedom sensor 15 p2491 N91-23796
HEIL, O.
Electron emission in H-0-atom collisions: A coincidence study of the angular dependence
[DE91-005555] 10 p1591 N91-18775
HEILBRONN, Y.
An on-line computerized system for blood-flow measurements 15 p2498 N91-23834
HEILES, C.
Very small grains in the Milky Way and external galaxies 05 p0742 N91-14138
HEILES, CARL
Molecules, grains, and shocks: A comparison of CO, H I, and IRAS data 06 p0900 N91-14975
Infrared cirrus point sources 06 p0900 N91-14978
HEILMAN, P.
Experimental investigation of meteor burst footprints
22 p3659 N91-30369
HEIMANN, PAUL J.
Polymeric routes to silicon carbide and silicon oxycarbide CMC
[NASA-TM-104372] 18 p2943 N91-26234
HEIMBACH, CRAIG R.
Methodology investigation of neutron device monitors
[AD-A230636] 12 p1977 N91-20875
HEIMEL, H.
A new principle for dynamic fluid shift investigations in astronauts 11 p1746 N91-19600
HEIN, G.
Test of turbulence models for hypersonic flows
[MBB/FE122/S/PUB/401] 04 p0472 N91-12643
HEIN, PAUL F.
Radiative properties of Cirrus clouds: FIRE IFO case October 28, 1986 01 p0081 N91-10479
HEIN, RANDALL JOHN
OPTIC: Orbiting Plutonian Topographic Image Craft proposal for an unmanned mission to Pluto
08 p1102 N91-16049
HEINDEL, TROY A.
Advanced automation in space shuttle mission control
12 p1940 N91-20670
HEINE, D. L.
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
HEINEMANN, N. C.
Association of an auroral surge with plasma sheet recovery and the retreat of the substorm neutral line
[DE91-007351] 11 p1737 N91-19552
HEINEMANN, STEFAN
The microcrystal laser: A first step on the way to a laser microsystem
[MBB-Z-0336-90-PUB] 23 p3878 N91-31635
HEINEN, V. O.
Aerospace applications of high temperature superconductivity 15 p2541 N91-24080
HEINEN, VERNON O.
Emerging applications of high temperature superconductors for space communications
[NASA-TM-103629] 03 p0414 N91-12317
HEINRICH, A.
Aircraft icing handbook, volume 1
[AD-A238039] 21 p3453 N91-29154
Aircraft icing handbook, volume 2
[AD-A238040] 21 p3453 N91-29155
Aircraft icing handbook, volume 3
[AD-A238041] 21 p3454 N91-29156
HEINRICH, GEORGE
KQIN: Kansas Quality Improvement Network. A report outlining a statewide quality improvement plan
[NIAR-91-20] 22 p3690 N91-30544
HEINRICH, RICHARD E.
Evaluation of oceanic flight deck workload and error reductions through the use of data communications
24 p3959 N91-32128
HEINRICH, WOLFGANG
The ionizing radiation environment of LDEF prerecovery predictions 16 p2707 N91-24980
HEINTSCH, T.
Effect of wind and wind variation on aircraft flight-paths 02 p0168 N91-10972
Wind models for flight simulation
02 p0168 N91-10975
HEINTZENBERG, J.
Parametric aerosol sampling at low concentration levels
[AA-1] 10 p1545 N91-18501
HEINTZENBERG, JOST
The MISU baseline station
[AA-2] 22 p3703 N91-30611
HEINZEN, D. J.
Trapped-ion frequency standards
17 p2851 N91-25760

HEIPLE, C. R.
Penetration in GTA welding
[DE90-008971] 02 p0217 N91-11213
Changes with material properties of acoustic emission produced during single point machining
[DE91-011913] 20 p3332 N91-28452
Origin of acoustic emission produced during single point machining
[DE91-011915] 20 p3332 N91-28453
HEIRTZLER, JAMES R.
The scientific case for magnetic field satellites
[NASA-CR-186532] 01 p0017 N91-10101
HEISENBERG, J. H.
Electromagnetic studies of nuclear structure and reactions
[DE91-006820] 10 p1592 N91-18782
HEISER, MANFRED
Shear fracture of aluminum magnesium alloys following local plastic instability
[ETN-91-98788] 10 p1536 N91-18458
HEISEY, CURTIS
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 1
[NASA-CR-4346-PT-1] 10 p1542 N91-18489
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 2
[NASA-CR-4346-PT-2] 10 p1543 N91-18490
HEISLER, CHARLENE A.
Central activity in 60 micron peakers
08 p1255 N91-16913
HEIST, TIMOTHY J.
An investigation into the flow behavior of a single phase gas system and a two phase gas/liquid system in normal gravity with nonuniform heating from above
[NASA-CR-185304] 03 p0348 N91-11944
HEITHAUSEN, ANDREAS
Observations of CO in the Magellanic irregular galaxy NGC 55
05 p0739 N91-14124
HEJL, FREDERICK
Improvements in data acquisition technology for maintenance management systems
[PB91-164418] 22 p3766 N91-30993
HEJNA, CAROLYN
Cyclic (AlN)(sub n) compounds as precursors to aluminum nitride: Synthesis and structures of ((CH3)2AlNH2)3 and the planar species ((t-C4H9)2AlNH2)3
[AD-A226866] 07 p0985 N91-15404
HEKSTRA, A. D.
The effect of stereoscopic presentation on a simulated air traffic control task
[IZF-1989-53] 05 p0618 N91-13431
HELAL, HASSAN M. S.
An experimental investigation of velocity field and wall pressure fluctuations in turbulent flows
14 p2262 N91-22516
HELD, MANFRED
Diagnostic of the reaction behaviour of intensive high explosives under jet attack
[MBB-UA-1188-90-PUB] 08 p1123 N91-16173
Fragment mass distribution of debris
[MBB-UA-1187-90-PUB] 08 p1212 N91-16669
HELD, ROBERT B.
Designing aircraft structures for tolerance to fatigue damage
10 p1454 N91-18012
HELDOEFE, R.
Geometric modeling application interface program
[AD-A227826] 07 p1049 N91-15759
HELDT, R. W.
Coordination and synchronization of loran-C and GPS to universal coordinated time
[AD-A233221] 17 p2734 N91-25141
HELFAND, DAVID J.
Analysis and interpretation of diffuse x-ray emission using data from the Einstein satellite
[NASA-CR-187988] 13 p2131 N91-21728
High energy from space 24 p4119 N91-33023
Computing and data processing
24 p4120 N91-33028
HELGASON, RICHARD V.
Efficient algorithms for the solution of problems on networks in the parallel computing environment
[AD-A227286] 07 p1052 N91-15778
HELGESON, NORMAN L.
User data package for Compressed Natural Gas (CNG) vehicles for Navy applications
[AD-A235998] 19 p3174 N91-27551
HELGESON, W. D.
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
Rise time and recovery of GaAs photoconductive semiconductor switches
[DE91-001267] 06 p0879 N91-14854
High power light activated semiconductor switches with sub-nanosecond rise time
[DE91-009250] 15 p2515 N91-23939
Physics and applications of the lock-on effect
[DE91-014670] 21 p3504 N91-29446
High gain photoconductive semiconductor switching
[DE91-014668] 21 p3508 N91-29478
HELIN, E.
Discovery and orbital characterization of near-Earth asteroids
17 p2904 N91-26039
HELIN, ELEANOR F.
Near-Earth asteroid discovery rate review
17 p2894 N91-25995
HELLAWELL, A.
Planetary materials and resource utilization: An interdisciplinary engineering design course at Michigan Technological University
14 p2205 N91-22180
HELLDOERFER, R.
Geometric modeling applications interface program: System translator user's manual
[AD-A228151] 07 p1052 N91-15777
Geometric modeling applications interface program
[AD-A227651] 08 p1199 N91-16591
HELLENDOORN, HANS
The generalized modus ponens considered as a fuzzy relation
[REPT-90-02] 01 p0116 N91-10687
HELLER, ADAM
Electron transfer between glucose oxidase and electrodes via redox mediators bound with flexible chains to the enzyme surface
[AD-A231115] 13 p2151 N91-21856
HELLER, H.
AGARD flight test techniques series. Volume 9: Aircraft exterior noise measurement and analysis techniques
[AGARD-AG-300-VOL-9] 16 p2681 N91-24843
HELLER, HANNO
DLR aircraft noise research and testing techniques related to propeller driven aeroplane noise certification
03 p0307 N91-11718
Comparison of the ICAO Annex 16 Chapter 10 and Chapter 6 noise certification procedures on the basis of flight noise measurements of ten light propeller-driven aeroplanes
[DLR-MITT-90-17] 22 p3751 N91-30910
HELLMAN, FRANCES
Sources of anisotropy in amorphous magnetic thin films
[AD-A230542] 12 p1990 N91-20955
HELLMANN, J. R.
Projects within the Center for Advanced Materials
[PB91-205716] 24 p3970 N91-32178
HELLSTEN, T.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886
HELLSTROM, BENJAMIN J.
The definition of necessary hidden units in neural networks for combinatorial optimization
[AD-A227142] 06 p0866 N91-14786
HELLUM, EINAR
Oxide dispersion strengthened aluminium: Properties and use
03 p0332 N91-11858
HELLUM, TROND
Ionospheric HF radio propagation at high latitudes using conventional and spread spectrum modulation
[FFI-91/7003] 22 p3665 N91-30404
HELLWARTH, ROBERT W.
Studies of optical beam phase-conjugation and electromagnetic scattering process
[AD-A234830] 18 p3064 N91-26929
HELM, H.
Ultrafast laser techniques
[AD-A236688] 19 p3172 N91-27536
HELMER, R. M. F.
The implementation of a quality system in an aerial mapping company
[ETN-91-99424] 23 p3887 N91-31695
HELMERS, R.
Bootstrapping U-quantiles
[CWI-BS-R9021] 17 p2648 N91-25742
HELMERSSON, L.
Long time measurements of landing gear loads on SAAB SF-340 commuter aircraft
[FFA-TN-1990-53] 15 p2374 N91-23138
Long time measurements of landing gear loads on SAAB SF-340 commuter aircraft
20 p3284 N91-28157
HELMS, GRETCHEN
Army-NASA aircrew/aircraft integration program (A3I) software detailed design document, phase 3
[NASA-CR-177557] 11 p1771 N91-19714
HELOU, G.
Small scale variations of abundances of transiently heated grains in molecular clouds
06 p0892 N91-14927
HELOU, GEORGE
NGC 1058: Gas motions in an extended, quiescent spiral disk
05 p0734 N91-14103
The confusion limits to the sensitivity of submillimeter telescopes
13 p2174 N91-22001
Telescope technology for space-borne submillimeter astronomy
13 p2181 N91-22049
HELSDON, JOHN H.
A cloud, precipitation and electrification modeling effort for COHMEX
[NASA-CR-188679] 19 p3204 N91-27711
HELTON, F. J.
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
HELVAJIAN, HENRY
Direct observation of NF(X) using laser-induced fluorescence: Kinetics of the NF 3 Sigma - ground state
[AD-A228294] 08 p1155 N91-16362
Direct observation of NF(X) using laser induced fluorescence: Determination of H + NF2 branching ratio
[AD-A229444] 22 p3752 N91-30913
HEMBREE, STEPHEN C.
US Army Biomedical Research and Development Laboratory
[AD-A233664] 18 p3020 N91-26671
HEMENGER, P. M.
Fabrication and characterization of high temperature superconducting thin films for sensors and electronics
05 p0724 N91-14041
HEMKER, P. W.
Damped, direction-dependent multigrid for hypersonic flow computations
[CWI-NM-R8922] 02 p0156 N91-10905
A multigrid approach for the solution of the 2D semiconductor equations
[CWI-NM-R9003] 02 p0276 N91-11554
Defect correction and nonlinear multigrid for steady Euler equations
[CWI-NM-R9007] 10 p1583 N91-18722
BASIS: A data structure for adaptive multigrid computations
[CWI-NM-R9014] 17 p2836 N91-25675
EULER: An adaptive Euler code
[CWI-NM-R9015] 17 p2845 N91-25728
HEMKER, PIETER W.
Analysis of the convergence of iterative implicit and defect-correction algorithms for hyperbolic problems
[CWI-NM-R9004] 03 p0411 N91-12294
HEMMATI, HAMID
Tm,Ho:YLF laser end-pumped by a semiconductor diode laser array
[NASA-CASE-NPO-17282-1-CU]
07 p1007 N91-15528
HEMMENT, P. L.
Ion Implantation Technology: Proceedings of the 8th International Conference on Ion Implantation Technology
[AD-A237955] 21 p3597 N91-30013
HEMMERSBACH-KRAUSE, RUTH
Cellular functions of Paramecium under different gravity conditions
11 p1751 N91-19631
HEMMINGER, C. S.
Space environmental effects on silvered Teflon thermal control surfaces
16 p2715 N91-25031
HEMPELMANN, R.
Kinetic energy of hydrogen in beta-V2H studied by neutron Compton scattering
[DE91-006589] 10 p1501 N91-18261
HEMSING, W. F.
Full-field Fabry-Perot interferometer
[DE91-014610] 21 p3518 N91-29540
VISAR: Line-imaging interferometer
[DE91-014749] 21 p3519 N91-29542
HENAGER, C. H., JR.
Acoustic emission-fracture strength relations for Al/Gr composites
[DE91-009106] 13 p2045 N91-21251
Temperature effects on the strength and toughness of Be12Nb
[DE91-010838] 16 p2602 N91-24419
HENAGER, CHARLES H., JR.
Strength and toughness of single-phase and dual-phase high-temperature intermetallics
[DE90-017192] 01 p0028 N91-10166
HENCH, LARRY L.
Ion beam sputtered coatings of bioglass
[NASA-CR-188778] 20 p3321 N91-28384
HENCHMAN, MICHAEL
The chemical modification of plasmas
[AD-A234448] 18 p3066 N91-26940
HENDERSON, B.
Laser spectroscopy of quantum well and superlattice structures
[AD-A236232] 19 p3254 N91-28003

HENDERSON, C. M. B.
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011
HENDERSON, D. J.
Proton-induced fission at ultra sub-barrier energies
[DE91-011169] 16 p2687 N91-24874
HENDERSON, D. O.
Purification, growth, and characterization of Zn(x)Cd(1-x)Se crystals 19 p3270 N91-28089
HENDERSON, FRANCIS M.
SCATSPHERE2: A computation for the plane-wave scattering from a submerged, elastic, spherical, evacuated or fluid-filled, thin shell
[AD-A228867] 08 p1219 N91-16709
HENDERSON, FRED
MSL-2 accelerometer data results
03 p0430 N91-12411
HENDERSON, S.
Biodiversity and human impacts
[PB90-263963] 09 p1370 N91-17530
HENDERSON, SAMMY W.
Theory of CW lidar aerosol backscatter measurements and development of a 2.1 microns solid-state pulsed laser radar for aerosol backscatter profiling
[NASA-CR-4347] 11 p1725 N91-19498
HENDERSON, T. L.
Grid generation strategies for turbomachinery configurations 13 p2016 N91-21091
HENDERSON, THOMAS
Assessment of the absolute accuracy of long-baseline kinematic GPS positioning of a moving vehicle
[PB91-129379] 13 p2022 N91-21125
HENDERSON, THOMAS B.
Implementation of VQ algorithms on a reconfigurable array processor
[AD-A236483] 19 p3229 N91-27852
HENDLER, JAMES
AI planning: Systems and techniques
[AD-A227626] 07 p1055 N91-15795
HENDREY, G.
Analysis of high frequency surface-induced concentration fluctuations
[DE91-007561] 11 p1734 N91-19538
HENDREY, G. R.
Free-air carbon dioxide enrichment: A new approach to research on carbon exchange processes
[DE91-012074] 18 p3008 N91-26609
HENDRICKS, CHARLES
Formation of ions and radicals from icy grains in comets 17 p2895 N91-25999
HENDRICKS, JOHN B.
Helium 3/Helium 4 dilution cryocooler for space
[NASA-CR-184140] 12 p1879 N91-20327
HENDRICKS, JOHN S.
Random number stride in Monte Carlo calculations
[DE90-012000] 02 p0262 N91-11465
HENDRICKS, P.
International energy: Research organizations, 1986 - 1990
[DE91-006224] 16 p2652 N91-24677
HENDRICKS, R. C.
Simulation of brush insert for leading-edge-passage convective heat transfer
[NASA-TM-103801] 15 p2421 N91-23409
Paramagnetic propellant orientation
[NASA-TM-104390] 16 p2623 N91-24527
Some preliminary results of brush seal/rotor interference effects on leakage at zero and low RPM using a tapered-plug rotor
[NASA-TM-104396] 19 p3176 N91-27559
Qualitative investigation of cryogenic injected shock dissipation
[NASA-TM-105140] 21 p3516 N91-29525
A qualitative view of cryogenic fluid injection into high speed flows
[NASA-TM-105139] 22 p3677 N91-30473
HENDRICKS, R. W.
Measurement of residual stresses by x ray diffraction near simulated heat affected zones in austenitic stainless steels
[DE91-008874] 13 p2052 N91-21289
HENDRICKS, ROBERT C.
Eccentricity effects on leakage of a brush seal at low speeds
[NASA-TM-105141] 23 p3804 N91-31220
HENDRICKSON, MARK R.
A methodology for handling data errors and inconsistencies in database conversions
[AD-A232113] 15 p2525 N91-23994
HENDRIKS, PETER
Transport of hot electrons in GaAs/AlGaAs heterostructures
[ETN-91-99177] 14 p2325 N91-22842
HENDRIKSEN, B.
Operation of the microstrip gas detector
[NIKHEF-H/90-13] 14 p2268 N91-22548
HENDRIX, WALTER ADRIAN
An analysis of body force effects on transient and steady-state performance of heat pipes
09 p1333 N91-17322
HENDY, KEITH C.
Aircrew/cockpit compatibility: A multivariate problem seeking a multivariate solution 02 p0246 N91-11369
HENESIAN, M. A.
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems
[DE91-011524] 17 p2781 N91-25390
Precision high-power solid-state laser diagnostics for target-irradiation studies and target-plane irradiation modeling
[DE91-012036] 18 p2992 N91-26523
HENFLING, J. A.
A comparison of techniques for the metallographic preparation of thermal sprayed samples
[DE91-014704] 23 p3813 N91-31272
Process for producing plasma sprayed carbide-based coatings with minimal decarburization and near theoretical density
[DE91-012016] 23 p3817 N91-31292
Beneficial effects of austemper post-treatment on tungsten carbide based wear coatings
[DE91-013260] 23 p3817 N91-31293
HENG, TEH HOON
The truth-valued flow inference network
17 p2843 N91-25708
HENGLEIN, FRITZ
Fast left-linear semi-unification
[RUU-CS-89-33] 04 p0565 N91-13138
HENGST, GORDON T.
Nonlinear interferometry: Optical image addition/subtraction and novelty filters
[AD-A230556] 12 p1981 N91-20903
HENKEL, CHRISTIAN
The molecular cloud content of early type galaxies
05 p0740 N91-14127
CS in nearby galaxies: Distribution, kinematics, and multilevel studies 05 p0762 N91-14235
HENKENER, JULIE A.
An evaluation of the fatigue crack growth and fracture toughness properties of beryllium-copper alloy CDA172
[NASA-TM-102166] 11 p1683 N91-19274
HENKES, RUDOLPHUS ALOYSIUS WIJNANDUS MARIA
Natural-convection boundary layers
[ISBN-90-9003467-6] 08 p1147 N91-16313
HENKNER, JENS
Model calculations for a pushbroom stereo camera: The case of the Mars 94 High Resolution Stereo Camera (HRSC)
[DLR-FB-90-57] 24 p4020 N91-32468
HENKUS, J. C.
A design method for an X-band diplexer
[FEL-90-B176] 05 p0654 N91-13635
Design of inherently wide-band microwave frequency doubler and tripler in microstrip
[FEL-90-B255] 15 p2418 N91-23392
Design and evaluation of a GaAs MMIC X-band active RC quadrature power divider
[FEL-91-A076] 24 p4006 N91-32396
HENLE, W.
Study on ECW transmission lines for NET/ITER
[EUR-FU/80/90-99] 08 p1230 N91-16781
HENLEY, ERNEST M.
Parity violation and electron scattering
[DE90-010429] 08 p1219 N91-16712
HENLEY, J. P.
Spectral characteristics of some saline playa surfaces and their application to multispectral imagery analysis
[AD-A231167] 14 p2280 N91-22610
Hyperspectral signatures (400 to 2500 nm) of vegetation, minerals, soils, rocks, and cultural features: Laboratory and field measurements
[AD-A239496] 23 p3888 N91-31697
HENNE, JOERG MICHAEL
Unstationary shock and boundary layer phenomena at profiles and in a plane grid by transonic flow
[ETN-91-98557] 08 p1146 N91-16311
HENNEKE, E. G.
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330
HENNESSY, JOHN L.
Microsupercomputers: Design and implementation
[AD-A228741] 08 p1196 N91-16571
Microsupercomputers: Design and implementation
[AD-A228744] 08 p1196 N91-16572
Microsupercomputers: Design and implementation
[AD-A233155] 16 p2666 N91-24748
HENNING, PATRICIA A.
A study of a 21-cm-selected sample of galaxies
23 p3939 N91-32014
HENNING, TH.
Steps toward interstellar silicate dust mineralogy
06 p0903 N91-14991
Size distribution of dust grains: A problem of self-similarity 06 p0904 N91-14997
HENNING, THOMAS L.
Dynamic response of a hammerhead launch vehicle wind-tunnel model
[NASA-TM-104050] 13 p2032 N91-21177
HENNINGER, R.
MESA: A 3-D Eulerian hydrocode for penetration mechanics studies
[DE91-013308] 20 p3360 N91-28613
HENNINGER, R. J.
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017539] 01 p0041 N91-10244
Implementation and assessment of the mechanical-threshold-stress model using the EPIC2 and PINON computer codes
[DE90-017855] 03 p0380 N91-12123
HENNINGER, SANDRA
Rotorcraft use in disaster relief and mass casualty incidents: Case studies
[AD-A229569] 22 p3617 N91-30124
HENRETTY, DEBRA A.
On-board attitude determination and control algorithms for SAMPEX 09 p1291 N91-17095
HENRICH, EBERHART
Examination of debris from satellites with nuclear reactors: A comparison of different methods
[OEFZS-4541] 09 p1297 N91-17122
HENRICHS, H. F.
Short-term FUV flux variability and phase-dependent winds in Be stars 09 p1434 N91-17898
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep
09 p1439 N91-17934
HENRIKSEN, G. L.
Assessment of battery technologies for electric vehicles. Volume 2, part 1: Appendices
[DE90-010907] 08 p1132 N91-16227
HENRIKSEN, R. N.
Accretion disk instability and spokes in Saturn's rings
06 p0922 N91-15094
HENRIKSSON, ANDERS
Transverse compressive behaviour of carbon-epoxy laminates and its influence on contact laws
[FFA-TN-1990-26] 07 p0971 N91-15331
HENRIST, M.
IAL space facilities for thermal vacuum testing
07 p0952 N91-15234
IAL SPACE: A test laboratory for the ISO cryogenic payload 11 p1659 N91-19142
The space simulation facilities at IAL SPACE
11 p1661 N91-19151
HENRY, D. P.
Development of BEM for ceramic composites
[NASA-CR-187676] 05 p0641 N91-13557
HENRY, DANA S.
Specification and verification of real-time constraints in coarse-grain dataflow
[AD-A237355] 21 p3603 N91-30047
HENRY, E. A.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
HENRY, ELBERT J.
Near-term satellite-based oceanic air traffic control: Ground system description 24 p3958 N91-32116
HENRY, EUGENE H.
Designing human-centered systems: Circa 2039 scenario
[AD-A225075] 03 p0397 N91-12207
HENRY, FRANK
Silicon Wafer Advanced Packaging (SWAP). Multichip Module (MCM) foundry study, version 2
[AD-A237412] 21 p3505 N91-29452
HENRY, KAREN S.
Laboratory investigation of the use of geotextiles to mitigate frost heave
[DOT/FAA/RD-90/13] 05 p0625 N91-13465
HENRY, R. C.
Observations of the diffuse UV radiation field
06 p0889 N91-14912
Studying the spatial distribution of interstellar dust
06 p0901 N91-14980
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
HENRY, ROBERT
Study of an electrothermal de-icer: Numerical simulation and measurement of the skin temperature by infrared technique in an icing wind tunnel
[ONERA-NT-1989-10] 02 p0202 N91-11133
Profiles of alpha 13 C and alpha D in methane from the lower stratosphere 17 p2799 N91-25487

Study of an electrothermal de-icer: Numerical simulation and measurement of the skin temperature by infrared technique in an icing wind tunnel
[ESA-TT-1231] 22 p3624 N91-30165

HENRY, TAMARA L.
FormEd: An X Window System application for managing first-order formulas
[DE91-005214] 09 p1383 N91-17608

HENSEL, NORBERT
Dielectric wave guide and structural elements: Examination with millimeter waves
[ETN-91-98498] 07 p0996 N91-15466

HENSEL, STEVE JOHN
A new method for determining rotordynamic forces on liquid annular seals 04 p0531 N91-12948

HENSHALL, G. A.
Ambient temperature fracture strength of pure alumina
[DE91-007628] 10 p1537 N91-18460

HENSHAW, ANDREW M.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 2, Task 2: Seeker emulator development
[AD-A225124] 05 p0618 N91-13429

HENSHAW, PHILIP D.
Ultra-dense optical mass storage
[AD-A232767] 15 p2509 N91-23905
Multiple aperture imager component development
[AD-A233413] 16 p2630 N91-24561
Development of optical subapertures
[AD-A237759] 21 p3582 N91-29924

HENSHAW, THOMAS L.
Chemiluminescent reactions of group 6 atoms (O(P-3)) and Se(P-3) with azide radicals
[AD-A226872] 07 p0975 N91-15351

HENSHAW, W. F.
Method of producing superconducting materials in bulk form
[AD-D014656] 11 p1806 N91-19917

HENSINGER, D. M.
Performance of multiple stream pulsed jet combustion systems
[DE91-012338] 21 p3473 N91-29259

HENSLEY, D. C.
Study of spin-temperature effects using energy-ordered continuum gamma ray spectroscopy technique
[DE91-002854] 06 p0872 N91-14818

HENSON, GARY DEWAYNE
Observation and analysis of variable linear polarization in the yellow supergiant star Epsilon Aurigae 02 p0288 N91-11616

HENSON, TROY
Knowledge-based assistance in costing the space station DMS 01 p0105 N91-10611

HENTEA, T.
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE90-011092] 08 p1118 N91-16141

HENTSCHEL, M. P.
X ray diffraction scanning microscopy: A new method of non-destructive characterization of inhomogeneous materials 03 p0335 N91-11877

HEPBURN, JOHN S. A.
NAVPACK: Simulation tools for design of high performance integrated navigation systems 07 p1046 N91-15739

HEPENSTAL, A.
Preliminary survey of 21st century civil mission applications of space nuclear power
[NASA-TM-101249] 06 p0871 N91-14817

HEPNER, T.
Arctic VLF/LF data acquisition
[AD-A239704] 23 p3858 N91-31510

HEPP, ALOYSIUS F.
Reactivity of pi-complexes of Ti, V, and Nb towards dithioacetic acid: Synthesis and structure of novel metal sulfur-containing complexes
[NASA-TM-103666] 11 p1679 N91-19256
Synthesis and structures of metal chalcogenide precursors
[NASA-TM-103665] 11 p1687 N91-19296
Chemical approaches to carbon dioxide utilization for manned Mars missions
[NASA-TM-103728] 11 p1822 N91-20015
Spatial variations in ac susceptibility and microstructure for the YBa2Cu3O(7-x) superconductor and their correlation with room-temperature ultrasonic measurements
[NASA-TM-103787] 13 p2099 N91-21553
Material processing with hydrogen and carbon monoxide on Mars
[NASA-TM-104405] 15 p2457 N91-23616
Thin-film sensors for space propulsion technology: Fabrication and preparation for testing 16 p2585 N91-24324
Chemical approaches to carbon dioxide utilization for manned Mars missions 17 p2911 N91-26073
Production and use of metals and oxygen for lunar propulsion
[NASA-TM-105195] 21 p3466 N91-29222
Near-edge study of gold-substituted YBa2Cu3O(7-delta)
[NASA-TM-105220] 23 p3932 N91-31977

HEPPLEWHITE, C. L.
Radiometric observation of the atmospheric boundary layer (the ROSSA Project) 02 p0237 N91-11324

HEPWORTH, MARK
The economic aspects of developing and marketing full text databases 17 p2876 N91-25911

HER, SHIUH CHUAN
Fracture mechanics of interface cracks between dissimilar anisotropic materials 05 p0675 N91-13752

HERAKOVICH, C. T.
Inelastic response of metal matrix composites under biaxial loading 19 p3131 N91-27295

HERAKOVICH, CARL T.
An analysis of interlaminar stresses in unsymmetrically laminated plates
[NASA-CR-187657] 06 p0802 N91-14424
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209

HERBELL, THOMAS P.
Effect of hydrogen on the strength and microstructure of selected ceramics
[NASA-TM-103674] 06 p0812 N91-14482
Ceramic composites for rocket engine turbines
[NASA-TM-103743] 11 p1675 N91-19235
Thermal shock of fiber reinforced ceramic matrix composites
[NASA-TM-103777] 11 p1687 N91-19295

HERBEN, M. H. A. J.
Data acquisition and signal processing/analysis of scintillations events for the Olympus propagation experiment
[EUT-89-E-232] 22 p3665 N91-30405

HERBER, ANDREAS
Airborne Collision Avoidance System (ACAS) in controlled air traffic. Aspects of reciprocal influence in Secondary Surveillance Radar (SSR) radio loads
[ETN-91-99253] 15 p2368 N91-23105

HERBERS, THOMAS H.
Array measurements of surface gravity waves
[AD-A233318] 16 p2661 N91-24723

HERBERS, THOMAS H. C.
Array measurements of surface gravity waves 17 p2815 N91-25560

HERBERT, F.
Development of an electrostatic propulsion engine using sub-micron powders as the reaction mass 17 p2907 N91-26055

HERBERT, G. A.
Gallium Arsenide solar cell radiation damage experiment 22 p3638 N91-30241

HERBOLD, K.
New capabilities in modal testing on large-scale project level 07 p0956 N91-15258

HERBST, THOMAS MICHAEL
New views in the near infrared: A Fabry-Perot interferometer for galactic and extragalactic astronomy 03 p0433 N91-12428

HERBST, W.
Long and short timescale variability of magnetic activity on the BY Dra star BD+26 deg 730 09 p1440 N91-17941

HERBST, W. B.
X-31A at first flight 15 p2373 N91-23131

HERBSTER, CHRISTOPHER G.
The vertical structure of the marine atmospheric boundary layer across a sea surface temperature front
[AD-A227931] 08 p1187 N91-16525

HERCHEN, H.
On the development of in-situ Raman analysis of plasma deposited diamond
[AD-A227453] 08 p1119 N91-16147

HERCHEN, HARALD
First order Raman spectrum of diamond at high temperatures
[AD-A230625] 12 p1876 N91-20309

HERCHER, MICHAEL
Fiber optic synthetic aperture interferometer
[AD-A227891] 08 p1224 N91-16741

HERCHUELZ, PIERRE
Use of the animated images for the visualization of computational results
[AAAF-NT-89-22] 23 p3913 N91-31849

HERD, R. S.
Range-only multistatic radar system
[AD-D011645] 21 p3496 N91-29399

HERDMAN, T. L.
State space models for aeroelastic and viscoelastic systems
[AD-A234730] 18 p2922 N91-26117

HEREMANS, JOSEPH P.
Growth, characterization and properties of ultrathin magnetic films and multilayers, volume 151
[AD-A229586] 22 p3758 N91-30950

HERGENROTHER, P. M.
Synthesis of imide/arylene ether copolymers for adhesives and composite matrices
[NASA-TM-104067] 13 p2055 N91-21306
Imide/arylene ether block copolymers
[NASA-TM-104066] 13 p2055 N91-21308

HERGENROTHER, PAUL M.
Methyl substituted polyimides containing carbonyl and ether connecting groups
[NASA-CASE-LAR-14351-1] 05 p0642 N91-13581
N-(3-ethynylphenyl)maleimide
[NASA-CASE-LAR-14188-2] 06 p0801 N91-14419
High performance polymer development 14 p2357 N91-23039
Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] 15 p2391 N91-23237
Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU] 23 p3819 N91-31307

HERGESELL, W.
Maintainability of regional aircraft 03 p0308 N91-11724

HERGET, C. J.
Application of telerobotic control to remote processing of nuclear material
[DE91-016562] 24 p4026 N91-32501

HERGET, CHARLES J.
Proceedings of the Workshop on Software Tools for Distributed Intelligent Control Systems
[DE91-001755] 05 p0707 N91-13943

HERHOLZ, J.
The Hermes system verification program 07 p0950 N91-15218

HERING, GARY T.
Status of structural analysis of 30 cm diameter ion optics
[NASA-TM-103618] 03 p0323 N91-11796

HERING, WAYNE S.
Probability estimates of cloud-obscured line-of-sight
[AD-A231151] 13 p2122 N91-21678

HERKENHOFF, K. E.
Weathering and erosion of the polar layered deposits on Mars 14 p2350 N91-22994

HERL, HOWARD
Benchmarking text understanding systems to human performance: An exploration
[AD-A233306] 16 p2664 N91-24741
HyperCard database for the natural language sourcebook (user's manual)
[AD-A233307] 16 p2670 N91-24774
Designing a HyperCard database for the natural language sourcebook
[AD-A232946] 16 p2699 N91-24946

HERLACH, D. M.
Containerless solidification of a Pd-Cu-Si sample (TEXUS 9) ESA 23 p3850 N91-31466
Containerless undercooling of a Pd-Cu-Si alloy (TEXUS 14b) ESA 23 p3851 N91-31468

HERLACH, DIETER M.
Containerless undercooling and solidification of pure metals
[DLR-FB-90-48] 15 p2402 N91-23301

HERLIHY, ALAN T.
National stream survey database guide
[PB91-141804] 15 p2459 N91-23625

HERLIHY, DAVID
Hardware versus manpower compatibility methodology. Volume 1: Overview and manager's guide
[AD-A225122] 03 p0397 N91-12208

HERLIHY, MAURICE
Counting networks
[AD-A237475] 21 p3559 N91-29780

HERMAN, H.
Microstructures and dc critical currents in textured Y-Ba-Cu-oxides
[DE91-000895] 08 p1234 N91-16803
Textured growth processing of HTSC in the Y-Ba-Cu-O
[DE91-010367] 17 p2871 N91-25879

HERMAN, IVAN
MANIFOLD: A language for specification of inter-process communication
[CWI-CS-R9065] 17 p2835 N91-25667

Examples in MANIFOLD
[CWI-CS-R9066] 17 p2835 N91-25668
HERMAN, J. W.
Picosecond time-resolved electron diffraction studies of laser heated metals
[DE91-016345] 24 p3975 N91-32207
HERMAN, LEROY
Comparison of NOAA-9 ERBE measurements with Cirrus IFO satellite and aircraft measurements 01 p0079 N91-10471
HERMAN, M.
Aerosol sensing from balloons using photopolarimetry 24 p4034 N91-32538
HERMAN, R. G.
Mechanisms and controlling characteristics of the catalytic oxidation of methane
[DE91-008033] 11 p1681 N91-19263
High octane ethers from synthesis gas-derived alcohol
[DE91-008367] 13 p2058 N91-21325
Partial oxidation of light alkanes in transition-metal ion containing zeolites
[DE91-008202] 18 p2944 N91-26243
High octane ethers from synthesis gas-derived alcohols
[DE91-016596] 24 p3973 N91-32193
HERMANN, A. M.
Chemical spray pyrolysis of Tl-Ba-Ca-Cu-O high-T(sub c) superconductors for high-field bitter magnets 13 p2039 N91-21212
HERMANN, ALLEN M.
Novel thin-film CuInSe2 fabrication
[DE90-000345] 07 p1072 N91-15901
HERMANN, BRUCE R.
Method of steering the gain of a multiple antenna global positioning system receiver
[AD-D014848] 16 p2635 N91-24590
HERMANN, STEVE
STB-White
[NASA-CR-187012] 04 p0477 N91-12662
HERMANNS, J.
Ventilation and filling of an optical diffusion cell (TEXUS 8) 23 p3832 N91-31371
HERMANS, P. H.
The selective listening task as a test for pilots and air traffic controllers
[IZF-1990-A-18] 10 p1564 N91-18601
HERMANSON, LYNN A.
Fluid quantity gaging
[NASA-CR-185516] 16 p2631 N91-24566
HERMENS, C. A.
Determination of material design allowables 03 p0333 N91-11869
HERMES, LAURIE G.
Gust front/wind shift detection algorithm for the terminal Doppler weather radar
[DOT/FAA/NR-91/4] 13 p2121 N91-21671
Enhancements to the terminal Doppler weather radar gust front algorithm
[DOT/FAA/NR-91/3] 14 p2255 N91-22473
HERMES, R. E.
Progress in solid state dye laser development
[DE91-007401] 10 p1530 N91-18429
Polymeric-host sulforhodamine-B lasers: Doubled Nd:YAG pumped
[DE91-009955] 14 p2270 N91-22560
HERNANDEZ, J.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463
HERNANDEZ, J. E.
Gabor transforms and neural networks for automatic target recognition
[DE91-011919] 18 p3049 N91-26834
Texture segmentation by clustering of Gabor feature vectors
[DE91-008061] 19 p3235 N91-27885
HERNANDEZ, L., JR.
Generalized Product-Test-Data (PTD) model
[DE91-010873] 17 p2888 N91-25966
HERNANDEZFILHO, PEDRO
Mapping of vegetation/land use of indigenous areas utilizing TM/LANDSAT data
[INPE-5115-RPE/626] 03 p0384 N91-12139
Physiognomy of vegetation cover in the Pantanal Mato Grossina National Park: A temporal analysis
[INPE-4809-RPE/589] 04 p0539 N91-12989
Contributions of remote sensing to forest resources management: State of the art and perspectives
[INPE-5248-PRE/1679] 22 p3696 N91-30579
HERNDON, J. N.
Manipulation hardware for microgravity research
[NASA-TM-103423] 06 p0814 N91-14498
Design of a telerobotic controller with joint torque sensors using 2-port network theory
[NASA-CR-186543] 08 p1158 N91-16379
NASA Laboratory telerobotic manipulator control system architecture
[NASA-CR-187751] 08 p1159 N91-16385
HERNQUIST, LARS
Application of the Ewald method to cosmological N-body simulations
[DE90-513789] 02 p0292 N91-11637
HEROLD, LEROY M.
In-Space technology experiments program. A high efficiency thermal interface (using condensation heat transfer) between a 2-phase fluid loop and heatpipe radiator: Experiment definition phase
[NASA-CR-186869] 15 p2421 N91-23408
HEROLD, STANLEY J.
Aerial flare and igniter
[AD-D014940] 22 p3655 N91-30342
HERON, W. J.
Cluster beam analysis via photoionization
[AD-A234111] 18 p2946 N91-26253
HERR, JOEL L.
A charging study of ACTS using NASCAP
[NASA-CR-187088] 16 p2566 N91-24224
HERRB, MATTHIEU
Motion vision for mobile robots
[LAAS-91048] 22 p3755 N91-30933
HERREN, L. TANDY
User documentation for the MSK and OMS intelligent tutoring systems
[NASA-CR-188815] 24 p4085 N91-32823
An intelligent tutoring system for the investigation of high performance skill acquisition
[NASA-CR-188827] 24 p4086 N91-32827
HERRERA, J. R.
General configuration aspects on airlifter design 10 p1463 N91-18070
HERRERA, LUIS
Luminosity profiles and the evolution of shock waves in general relativistic radiating spheres
[DE90-622195] 09 p1331 N91-17309
HERRERA, WILLIAM R.
Re-examine liquid propellant nitromethane hazard classification parameters and address the hazards classification of various slurry mixtures
[AD-A225625] 04 p0510 N91-12834
Adiabatic compression initiation characteristics of liquid propellant nitromethane under dynamic fill conditions
[AD-A225626] 04 p0510 N91-12835
HERRICK, CHARLES N.
National acid precipitation assessment program. Acidic deposition: An inventory of non-Federal research, monitoring, and assessment information
[PB90-237579] 09 p1358 N91-17460
HERRING, C.
The development of the Hera Test Facility (HTF) 07 p0958 N91-15274
HERRING, JASON
PFERD Mission: Pluto flyby exploration/research design 08 p1101 N91-16046
HERRING, JIM
Performance measurements of hybrid PIN diode arrays
[DE90-010308] 08 p1232 N91-16790
HERRING, R. A.
High resolution electron microscopy study of a high Cu variant of Weldalite (tm) 049 and a high strength Al-Cu-Ag-Mg-Zr alloy 16 p2600 N91-24409
HERRING, THOMAS A.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
HERRMANN, CAL C.
Physical/chemical closed-loop water-recycling 15 p2537 N91-24052
HERRMANN, F. M.
Growing of GaAs monocrystals after the floating zone process under microgravity 14 p2333 N91-22897
HERRMANN, GEORGE
Dynamic interaction of elastic composites and an acoustics fluid
[AD-A225056] 03 p0381 N91-12127
HERRMANN, HEINZ
Development of polymer alloys for electrical engineering applications 24 p4115 N91-33000
HERRMANN, R.
Berne solar observations: Solar data for January - June 1990
[REPT-57] 03 p0449 N91-12507
Correlations between charged particles emitted in ion-molecule collisions
[DE91-005557] 10 p1592 N91-18776
HERRMANN, W.
On the construction of constitutive equations for large deformations
[DE90-015832] 07 p1015 N91-15570
Elastic-plastic constitutive relations at large strain
[DE91-013195] 21 p3530 N91-29612
HERRMANNSFELDT, W. B.
SLC polarized beam source electron optics design
[DE91-012911] 20 p3404 N91-28869
Computation applied to particle accelerator simulations
[DE91-017128] 24 p4099 N91-32906
HERRO, H. M.
Silver sheathing of high-Tc superconductor wires
[DE91-006557] 10 p1605 N91-18858
HERRON, C. B.
Application of diffraction correction to blackbody sources
[AD-A237840] 21 p3582 N91-29926
HERRON, W. J.
Cluster production in free-jet expansions: Chlorobenzene seeded in ammonia
[AD-A224692] 03 p0337 N91-11887
HERRON, WILLIAM J.
Cluster beam deposition of high temperature materials
[AD-A234358] 18 p2961 N91-26343
HERSBACH, H. J. C.
Thermal shock and oxidation resistance of ceramic coatings
[NLR-TP-89085-U] 22 p3654 N91-30339
HERSCHMAN, ARTHUR
Proceedings of the 1991 American Association for the Advancement of Science Annual Meeting Program 15 p2521 N91-23969
HERSHBERGER, JOHN
Computing minimum length paths of a given homotopy class
[RUU-CS-90-37] 23 p3920 N91-31900
HERSMAN, F. W.
Electromagnetic studies of nuclear structure and reactions
[DE91-006820] 10 p1592 N91-18782
HERTEL, E. S.
Whipple bumper shield simulations
[NASA-TM-105089] 21 p3465 N91-29213
HERTEL, E. S., JR.
A comparison of calculational results with experimental data for long rod projectiles
[DE91-009006] 13 p2095 N91-21536
HERTZ, LESLIE S.
Thermally activated retainer means
[NASA-CASE-MSC-21793-1] 20 p3289 N91-28186
HERVEY, CAROL L.
Model tests of inflatable life rafts in breaking waves
[AD-A229406] 22 p3615 N91-30109
HERZ, RICHARD K.
Monolith catalysts for closed-cycle carbon dioxide lasers
[NASA-CR-188726] 22 p3681 N91-30500
HERZOG, A. D.
A program of photometric measurements of solar irradiance fluctuations from ground-based observations 03 p0440 N91-12459
HERZOG, G.
The interactions of atmospheric cosmogenic radionuclides with spacecraft surfaces 16 p2707 N91-24982
HERZOG, K. J.
Bayesian approximation of solutions to linear ordinary differential equations
[DE91-007872] 11 p1784 N91-19785
HESKE, ASTRID
First detection of C3H2 at sub-mm wavelengths 13 p2177 N91-22022
HESLINGA, GERBEN
Technique for human-error sequence identification and signification
[ISBN-90-353-10144] 01 p0103 N91-10596
HESPER, E. T.
Investigations on the use of GPS for geodetic and orbit determination applications
[LR-649] 23 p3787 N91-31118
HESS, A. C.
Modeling molecular processes in the environment
[DE91-013790] 20 p3370 N91-28671
HESS, C.
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592
HESS, CECIL F.
A compact programmable laser Doppler velocimeter for marine applications
[AD-A229333] 22 p3681 N91-30496
HESS, CLIFFORD W.
Method and apparatus for positioning a robotic end effector
[NASA-CASE-MSC-21476-1] 13 p2096 N91-21542
HESS, DAVID EARL
An experimental investigation of a compliant surface beneath a turbulent boundary layer 20 p3345 N91-28523

HESS, J. RICHARD
Cloning crops in a CELSS via tissue culture: Prospects and problems 23 p3903 N91-31783
HESS, JAMES A.
Feature-Oriented Domain Analysis (FODA) feasibility study
[AD-A235785] 19 p3223 N91-27815
HESS, JEAN-MARIE
Characterization of 256 Kbits SRAMs under californium 252 and protons irradiations 24 p4000 N91-32359
HESS, KURT W.
Geographic display of circulation model data
[NOAA-NESDIS-27] 01 p0074 N91-10446
HESS, N. J.
Raman studies of stress-induced phase transformation in titania films
[DE91-012871] 20 p3427 N91-29012
HESS, R. A.
A pocket-size broadband electric field detection and storage device
[DE91-007710] 11 p1708 N91-19406
Parameter correlation of impulse shapes using two-port synthesis
[DE91-009121] 14 p2260 N91-22505
HESS, ROBERT V.
Development of flashlamp-pumped Q-switched Ho:Tm:Cr:YAG lasers for mid-infrared LIDAR application 19 p3276 N91-28120
HESS, RONALD A.
Modeling pilot interaction with automated digital avionics systems: Guidance and control algorithms for contour and nap-of-the-Earth flight
[NASA-CR-186105] 05 p0696 N91-13875
HESSE, M.
Substorm features in MHD (magnetohydrodynamics) simulations of magnetotail dynamics
[DE91-007407] 10 p1624 N91-18958
HESSE, P. W.
Synthesis and characterization of high temperature superconductor materials 05 p0725 N91-14048
HESSE, PHILIP W.
Method of soldering aluminum
[AD-D014696] 12 p1868 N91-20262
HESSELINK, WIM H.
Smoothsort revisted
[CS-9009] 14 p2309 N91-22758
Omission of symbols
[CS-9101] 23 p3909 N91-31821
LR-parsing derived
[CS-9105] 23 p3909 N91-31823
HESSELMANS, G. H. F. M.
Comparison of TOSCANE-2 data and Donelan-Pierson model
[BCRS-90-18] 14 p2290 N91-22667
HESSENIUS, KRISTIN A.
NASA Aerodynamics Program
[NASA-TM-4312] 23 p3897 N91-31751
HESSLER, J. P.
Elementary reaction rate measurements at high temperatures by tunable-laser flash-absorption
[DE91-011850] 18 p2991 N91-26516
HESTER, J. JEFF
The interstellar halo of spiral galaxies: NGC 891 05 p0747 N91-14164
Deep narrow band imagery of the diffuse ISM in M33 05 p0755 N91-14202
HETHERINGTON, DICK
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
HETLAND, MELANIE D.
Low-temperature plasma technology as part of a closed-loop resource management system 14 p2204 N91-22174
HETTCHEN, WILLIAM
Construction site Voice Operated Information System (VOIS) test
[AD-A231633] 13 p2074 N91-21424
HETTENA, E.
Vortical flow simulation by using structured and unstructured grids
[ETN-91-99509] 22 p3614 N91-30107
HETTICH, R. L.
Applications and current limitations of matrix-assisted laser desorption Fourier transform mass spectrometry for biomolecules
[DE91-008877] 13 p2047 N91-21265
HETTICH, ROBERT
Matrix-assisted laser desorption Fourier transform mass spectrometry for biological compounds
[DE91-000393] 04 p0529 N91-12935
HETTINGER, J.
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784
HEUBAUM, FRANK H.
Natural aging and reversion behavior of Al-Cu-Li-Ag-Mg alloy Weldalite (tm) 049 16 p2599 N91-24405
Structure and properties during aging of an Al-Cu-Li-Ag-Mg alloy, Weldalite (tm) 049 16 p2600 N91-24406
HEUBERGER, A.
Anisotropic etching of crystalline silicon in alkaline solutions. Part 1: Orientation dependence and behavior of passivation layers
[MBB-Z-0311-89-PUB-1-PT-1] 03 p0339 N91-11902
Anisotropic etching of crystalline silicon in alkaline solutions. Part 2: Influence of dopants
[MBB-Z-0311-89-PUB-2-PT-2] 03 p0339 N91-11903
HEUBERGER, PETRUS SERVATIUS CHRETIEN
On approximate system identification with system based orthonormal functions
[ISBN-90-370-0045-2] 17 p2846 N91-25732
HEUER, A. H.
The avian eggshell as a model of biomineralization
[DE91-012608] 20 p3323 N91-28400
HEUER, R. L.
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
HEULENBERG, A.
A I-V analysis of irradiated Gallium Arsenide solar cells 22 p3638 N91-30242
HEVENOR, RICHARD A.
Automated extraction of airport runway patterns from radar imagery
[AD-A231809] 14 p2256 N91-22480
HEWER, G. A.
Effect of cladding thickness on attenuation in uniformly curved single-mode optical fibers
[AD-A238034] 21 p3582 N91-29928
HEWETT, C. A.
Ohmic contacts to semiconducting diamond
[AD-A234130] 18 p3068 N91-26950
HEWETT, D. W.
Characterization of the plasma-switch interaction in the LBL HIF ion source
[DE91-009479] 13 p2159 N91-21902
The streamlined Darwin field method (and a solution technique that makes it practical)
[DE91-009482] 13 p2159 N91-21903
HEWETT, M. D.
Automated flight test management system
[NASA-CR-186011] 14 p2194 N91-22117
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 2: Remote computation support for flight systems functions
[NASA-CR-179450] 16 p2559 N91-24194
From an automated flight-test management system to a flight-test engineer's workstation
[NASA-TM-104242] 24 p4090 N91-32851
HEWETT, MARLE D.
Autonomous aircraft initiative study
[NASA-CR-186013] 18 p2925 N91-26140
HEWETT, R.
SOLTECH 91: Proceedings, volume 2
[DE91-013767] 20 p3368 N91-28656
SOLTECH 91: Proceedings, volume 1
[DE91-002163] 20 p3368 N91-28658
HEWITT, F. A.
Parametric assessment of propulsion system mass for airbreathing launcher configurations
[PNR-90634] 01 p0011 N91-10063
HEWITT, JYUJI D.
A study of helium. Argon: Ethane gas mixtures used in drift chambers for large acceptance spectrometers in high magnetic fields
[AD-A231209] 13 p2051 N91-21284
HEWITT, R. L.
A full function checkout test for the NAE full scale structural test control and data acquisition system
[NAE-LTR-ST-1696] 21 p3456 N91-29166
HEY, N. S.
Manufacturing Technology: A Sandia Technology Bulletin, Volume 1, No. 1
[DE91-002518] 06 p0815 N91-14504
HEYDON-DUMBLETON, NEIL H.
The Edinburgh/Durham Southern Galaxy Catalogue: An investigation into the large-scale structure of the universe 16 p2702 N91-24961
HEYDORN, BARBARA
Liquid hydrogen production and commercial demand in the United States 08 p1122 N91-16168
HEYDT, H. J.
The human side of value engineering
[DE91-012817] 20 p3436 N91-29068
HEYERDAHL, EILERT
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 1: Methodology
[FFI-90/4005-VOL-1] 12 p1844 N91-20138
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 2: General data flow diagram
[FFI-90/4005-VOL-2] 12 p1844 N91-20139
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 3: Data dictionary
[FFI-90/4005-VOL-3] 12 p1845 N91-20140
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 5: Specification mode 15, A + T + B + H
[FFI-90/4005-VOL-5] 12 p1845 N91-20141
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 9: Specification of sub-processes
[FFI-90/4005-VOL-9] 12 p1845 N91-20142
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 4: Processor mini-spec
[FFI-90/4005-VOL-4] 13 p2026 N91-21145
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 6: Specification mode 16, N
[FFI-90/4005-VOL-6] 13 p2027 N91-21146
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 7: Specification mode 29, N + A + T + H
[FFI-90/4005-VOL-7] 13 p2027 N91-21147
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 8: Specification mode 30, N + A + T + B
[FFI-90/4005-VOL-8] 13 p2027 N91-21148
HEYKER, H. C.
Mounting and DC to 18 GHz characterization of double barrier resonant tunneling devices
[EUT-89-E-231] 22 p3761 N91-30965
Microwave noise measurements on double barrier resonant tunneling diodes
[EUT-90-E-242] 22 p3761 N91-30966
HEYMAN, JOSEPH S.
Quantitative nondestructive evaluation: Requirements for tomorrow's reliability 15 p2540 N91-24074
Overall goals 20 p3299 N91-28246
Acoustophoresis method and apparatus
[NASA-CASE-LAR-13388-1] 20 p3310 N91-28321
HEYMSFIELD, ANDREW J.
Hydrometeor development in cold clouds in FIRE 01 p0076 N91-10459
Lidar and aircraft studies of deep Cirrus systems from the 1986 FIRE IFO 01 p0077 N91-10460
Vertical velocities within a Cirrus cloud from Doppler lidar and aircraft measurements during FIRE: Implications for particle growth 01 p0077 N91-10461
Cirrus microphysics and radiative transfer: A case study 01 p0077 N91-10463
The radiation budget of a Cirrus layer deduced from simultaneous aircraft observations and model calculations 01 p0078 N91-10467
FIRE Cirrus on October 28, 1986: LANDSAT; ER-2; King Air; theory 01 p0081 N91-10480
HEYSE, JOERG
The 2-D supersonic nozzle design 15 p2381 N91-23176
HEYWOOD, J. B.
Engine knock predictions using a fully-detailed and a reduced chemical kinetic mechanism
[DE90-005992] 09 p1305 N91-17162
HIBBARD, J. E.
NGC 4438: Ram pressure sweeping of a tidally disrupted galaxy 05 p0750 N91-14176
HIBBARD, WILLIAM L.
Management and display of four-dimensional environmental data sets using McIDAS
[NASA-CR-184081] 09 p1379 N91-17579
Interactive access and management for four-dimensional environmental data sets using McIDAS 24 p4058 N91-32670
HICHO, G. E.
Crack arrest fracture toughness measurements of normalized and inclusion shape controlled AAR-TC128 grade B steel, and micro-alloyed, control-rolled, and inclusion shape controlled A 8XX grade B steel
[PB91-167346] 19 p3182 N91-27596
HICHWA, BRYANT P.
Optical performance of exposed solar cell covers 16 p2721 N91-25072
HICKEN, STEVE
Flight set 360L007 (STS-33) insulation component. Volume 3: Final release
[NASA-CR-184091] 13 p2042 N91-21230
HICKEY, CHARLES F., JR.
Mechanical property characterization of thick wall Ti-6Al-6V-2Sn forging
[AD-A228013] 07 p0983 N91-15396

HICKEY, JOHN R.
Preliminary results from the advanced photovoltaic experiment flight test
[NASA-TM-103269] 02 p0189 N91-11058
The effect of the low Earth orbit environment on space solar cells
[NASA-TM-103735] 11 p1663 N91-19165
Advanced photovoltaic experiment, S0014: Preliminary flight results and post-flight findings 16 p2720 N91-25061
Passive exposure of Earth radiation budget experiment components LDEF experiment AO-147: Post-flight examinations and tests 16 p2722 N91-25077
HICKMAN, A. P.
Calculations of electron attachment and recombination in a hydrogen plasma
[AD-A235522] 19 p3249 N91-27973
HICKMAN, D. P.
Absolute calibration in vivo measurement systems
[DE91-009719] 15 p2472 N91-23692
HICKMAN, G. D.
Accuracy of ocean color data derived from the Coastal Zone Color Scanner (CZCS)
[AD-A235719] 19 p3204 N91-27713
HICKMAN, J. M.
Solar electric propulsion for Mars transport vehicles
[NASA-TM-103234] 11 p1665 N91-19178
HICKMAN, J. MARK
Design considerations for lunar base photovoltaic power systems
[NASA-TM-103642] 05 p0767 N91-14259
Structural design concepts for a multi-megawatt Solar Electric Propulsion (SEP) spacecraft
[NASA-TM-105148] 22 p3694 N91-30565
HICKMAN, R. J.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
HICKOK, R. L.
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
Dispersion relations of density fluctuations observed by heavy ion beam probe in the TEXT tokamak
[DE91-010422] 14 p2328 N91-22866
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918
Measurements of plasma space potential and radial electric field in TEXT with a heavy ion beam probe
[PB91-151290] 17 p2870 N91-25876
HICKOX, C. E.
Developing natural convection in a fluid layer with localized heating and large viscosity variation
[DE91-005240] 15 p2425 N91-23431
HICKS, B. B.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
HICKS, JOHN W.
Preliminary flight-determined subsonic lift and drag characteristics of the X-29A forward-swept-wing airplane
[NASA-TM-100409] 21 p3457 N91-29177
Real-time in-flight engine performance and health monitoring techniques for flight research application
[NASA-TM-104239] 22 p3619 N91-30132
HICKS, M. D.
Quantitative computer representation of propellant processing 17 p2752 N91-25231
HICKS, M. R.
EEG indicators of mental workload: Conceptual and practical issues in the development of a measurement tool 08 p1193 N91-16559
HICKS, MICHAEL
A CCD spectrum and production rates for Comet P/Temple 2 17 p2893 N91-25991
HICKS, PETER DAVID
Hydrogen embrittlement of selected nickel and iron base superalloys 20 p3319 N91-28374
HICKS, R. J.
Female aircrew: The Canadian forces experience 02 p0246 N91-11367
Female aircrew: The Canadian Forces experience, 1979-1989
[DCIEM-90-P-14] 23 p3905 N91-31801
HICKS, R. M.
Euler and potential experiment/CFD correlations for a transport and two delta-wing configurations
[NASA-TM-102208] 01 p0003 N91-10014
HICKS, R. S.
Medium energy nuclear physics research
[DE91-015740] 21 p3578 N91-29901
HICKS, RAYMOND M.
An evaluation of three two-dimensional computational fluid dynamics codes including low Reynolds numbers and transonic Mach numbers
[NASA-TM-102840] 09 p1274 N91-17001
An experimental study of the turbulent boundary layer on a transport wing in subsonic and transonic flow
[NASA-TM-102206] 11 p1643 N91-19062
HICKS, ROBERT C.
A survey of analog-to-digital converter technology for radar applications
[AD-A236749] 19 p3153 N91-27429
HICKS, S. E.
Security aspects of database management systems
[DE91-010677] 15 p2524 N91-23987
HICKSON, PAUL
Observational properties of compact groups of galaxies 08 p1248 N91-16871
HIDAKA, K.
Atmospheric neutrino fluxes
[DE90-508023] 02 p0295 N91-11656
HIDALGO, C.
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947
HIDEKUMA, S.
Electric field profile of CHS heliotron torsatron plasma with tangential neutral beam injection
[NIFS-60] 10 p1602 N91-18838
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956
HIEBERT, J. C.
Study of neutron-proton interaction in the 300 to 700 MeV energy region
[DE91-016487] 24 p4096 N91-32887
HIEL, C. C.
A nonlinear viscoelastic approach to durability predictions for polymer based composite structures
[NASA-CR-187653] 05 p0641 N91-13554
HIETALA, V. M.
Novel applications of Tl-Ca-Ba-Cu-O thin films to active and passive high frequency devices
[DE91-004507] 08 p1134 N91-16240
Phased-array antenna control by a monolithic photonic integrated circuit
[DE91-010479] 14 p2258 N91-22490
Direct optical phase shifter for phased-array systems
[DE91-010480] 14 p2327 N91-22857
S-parameter measurements and applications of superconducting flux flow transistors
[DE91-009763] 15 p2417 N91-23388
The superconducting flux flow transistor: Models and applications
[DE91-014702] 20 p3340 N91-28501
HIGDON, NOAH S.
Airborne water vapor DIAL system and measurements of water and aerosol profiles 17 p2796 N91-25467
HIGGINBOTHAM, G. J. S.
The role of process modelling in manufacture and design
[PNR-90702] 02 p0255 N91-11416
HIGGINBOTHAM, SCOTT A.
Debris/Ice/TPS assessment and photographic analysis for shuttle mission STS-41
[NASA-TM-103814] 08 p1100 N91-16041
Debris/ice/TPS assessment and photographic analysis for shuttle mission STS-38
[NASA-TM-103815] 09 p1295 N91-17113
Debris/ice/TPS assessment and photographic analysis for shuttle mission STS-35
[NASA-TM-103816] 11 p1655 N91-19118
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-37
[NASA-TM-103818] 16 p2564 N91-24218
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-39
[NASA-TM-103820] 16 p2565 N91-24221
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-40
[NASA-TM-103822] 21 p3464 N91-29210
HIGGINS, A. W.
Effects of rotation on coolant passage heat transfer. Volume 1: Coolant passages with smooth walls
[NASA-CR-4396-VOL-1] 22 p3679 N91-30489
HIGGINS, J. D.
Geotechnical Engineering, 1989
[PB90-222159] 01 p0069 N91-10415
HIGGS, DONALD E.
Comment on effect on surface reconstruction on stability and reactivity of Si clusters
[AD-A235517] 19 p3123 N91-27252
HIGLE, JULIA L.
Heuristic methods in applied probability
[AD-A238229] 21 p3569 N91-29841
HIGNETT, PHILLIP
Turbulence measurements using tethered balloon instrumentation during FIRE 1987 01 p0068 N91-10518
HIGUCHI, K.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298
HIHARA, L. H.
Galvanic corrosion of aluminum-matrix composites
[AD-A232138] 15 p2396 N91-23264
Corrosion of graphite aluminum metal matrix composites
[AD-A234322] 18 p2941 N91-26220
HIHN, JAIRUS M.
Ada software productivity prototypes: A case study 01 p0106 N91-10613
HILBERT, D. W.
Modeling the response of plants and ecosystems to global change
[DE91-017403] 24 p4042 N91-32587
HILBIG, R.
Effect of hyper-gravity on the swimming behavior of aquatic vertebrates 11 p1750 N91-19626
HILBUN, WILLIAM M.
Electron kinetic studies utilizing the solution of the time-dependent collisional Boltzmann equation
[AD-A230753] 12 p1983 N91-20911
HILDEBRAND, JOACHIM
Comparison of analytical and numerical calculations of linear and geometric nonlinear rectangular plates
[ILR-MITT-239(1990)] 03 p0382 N91-12131
HILDEBRAND, JOHN A.
Test of Newtonian gravity using DSV sea cliff
[AD-A238558] 21 p3542 N91-29680
HILDEBRAND, ROGER
Infrared astronomy 24 p4119 N91-33019
HILDEBRAND, ROGER H.
SOFIA: The Stratospheric Observatory For Infrared Astronomy 13 p2174 N91-22003
HILDEBRAND, ULRICH
High power optical transmitter package
[ETN-90-98197] 04 p0531 N91-12945
HILDEBRAND, VERNE E.
Western Pacific Omega validation analysis
[AD-A232457] 16 p2558 N91-24191
HILDEMANN, L. M.
Methods of analysis for complex organic aerosol mixtures from urban emission sources of particulate carbon
[DE91-001722] 05 p0686 N91-13814
HILDENMAN, GREGORY J.
Aluminum powder alloys: An overview 03 p0341 N91-11910
HILDMANN, BERND O.
Principles of crystal growth, part 1 14 p2332 N91-22886
Physical properties and real structures 14 p2332 N91-22889
HILGENSTOCK, ACHIM
A contribution to the numerical solution of transonic flow around a delta wing by solving Navier-Stokes equations
[DLR-FB-90-13] 01 p0005 N91-10026
A contribution to the numerical simulation of transonic flow around a delta wing by solving the Navier-Stokes equations
[ESA-TT-1225] 22 p3614 N91-30104
HILKO, B. K.
Heating of a liquid/vapor mixture by a pulsed electric discharge
[AD-A230272] 12 p1982 N91-20907
HILL, ACQUILLA S.
Calibration of the 13- by 13-inch adaptive wall test section for the Langley 0.3-meter transonic cryogenic tunnel
[NASA-TP-3049] 05 p0625 N91-13461
HILL, C. G., JR.
Ordered ceramic membranes
[DE91-012248] 20 p3323 N91-28398
HILL, CAROL M.
Atomic oxygen interaction with solar array blankets at protective coating defect sites 12 p1951 N91-20732
HILL, CHRISTOPHER T.
Statistical mechanics of soft-boson phase transitions
[NASA-CR-188697] 20 p3402 N91-28858
HILL, D. A.
Near-field and far-field excitation of a long conductor in a lossy medium
[PB91-143347] 16 p2617 N91-24488
NIST calibration procedure for vertically polarized monopole antennas 30 kHz to 300 MHz
[PB91-185124] 21 p3501 N91-29432

HILL, D. N
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
HILL, D. N.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
Recent gaseous divertor experiments in DIII-D
[DE91-011139] 17 p2867 N91-25859
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
HILL, DAVID C.
The micrometeoroid impact hazard in space: Techniques for damage simulation by pulsed lasers and environmental modelling 13 p2040 N91-21220
HILL, GARY
Comparisons of elastic and rigid blade-element rotor models using parallel processing technology for piloted simulations
[NASA-TM-102859] 24 p3948 N91-32071
HILL, GERALD M.
Power electronics for low power arcjets
[NASA-TM-104459] 17 p2741 N91-25172
HILL, H. A.
A correlation between changes in solar luminosity and differential radius measurements 03 p0441 N91-12466
Solar variability observed through changes in solar figure and mean diameter
[DE91-009813] 14 p2353 N91-23016
HILL, J. M.
A study of HII regions in spiral galaxies using multiobject spectroscopy 05 p0746 N91-14159
HILL, J. R.
Molecular crystals and localized vibrational states
[DE90-010602] 08 p1231 N91-16786
HILL, J. V.
Reliable, high repetition rate thyratron grid driver used with a magnetic modulator
[DE91-016558] 24 p4008 N91-32413
HILL, M.
Fifth force experiments 23 p3894 N91-31733
HILL, M. G.
SILAGE to ELLA translation
[RSRE-MEMO-4385] 01 p0110 N91-10639
Formal semantic definition of ELLA timing
[RSRE-MEMO-4436] 12 p1959 N91-20780
SPRITE-ELLA language enhancements
[RSRE-MEMO-4441] 12 p1959 N91-20781
Bidirectionality, connectivity, and instantiations in ELLA
[RSRE-MEMO-4421] 22 p3729 N91-30757
ELLA connectivity control
[RSRE-MEMO-4462] 22 p3729 N91-30758
HILL, MARY ANN
Beryllium weldability
[DE90-014696] 01 p0026 N91-10155
HILL, MYRON E.
A summary of existing and planned experiment hardware for low-gravity fluids research
[NASA-TM-103706] 11 p1702 N91-19371
HILL, N. W.
The 1990 SAE methanol challenge: Summary of a successful student design competition
[DE91-010276] 16 p2612 N91-24462
Measurement of the nitrogen total cross section from 0.5 eV to 50 MeV and analysis of the 433-keV resonance
[DE91-012222] 18 p2953 N91-26293
Multilevel resonance analysis of Co-59 neutron transmission measurements
[DE91-012135] 20 p3397 N91-28829
HILL, R.
PW300: Powerplant for regional aircraft 03 p0309 N91-11734
HILL, R. J.
Irradiance distributions on the human retina from a laser observed through the turbulent atmosphere
[PB91-196907] 22 p3718 N91-30691
HILL, RANDALL W., JR.
Integrating knowledge and control into hypermedia-based training environments: Experiments with HyperCLIPS 13 p2166 N91-21949
HILL, RAYMOND R., JR.
Decision support environment for concurrent engineering requirements
[AD-A230899] 13 p2099 N91-21555
HILL, ROBERT
Small-scale star formation at low metallicity 05 p0757 N91-14214
HILL, S. A.
Whipple bumper shield simulations
[NASA-TM-105089] 21 p3465 N91-29213
HILL, S. D.
A FORTRAN program for spectral analysis using the fast Fourier transform
[AD-A236848] 19 p3231 N91-27861
HILL, S. G.
Using HSYS in the analysis of human-system interactions: Examples from the offshore petroleum industry
[DE91-013218] 20 p3381 N91-28732
Advanced thermoplastic resins, phase 2
[NASA-CR-187548] 24 p3979 N91-32231
HILL, SUSAN G.
The human factors of quality and QA in R and D environments
[DE91-001913] 05 p0697 N91-13880
Examining human-system interactions: The HSYS (human system) methodology
[DE91-006150] 09 p1373 N91-17546
HILL, SYLVESTER G.
Survey of results from the Boeing modules on the M0003 experiment on LDEF 16 p2718 N91-25048
Results from analysis of Boeing composite specimens flown on LDEF experiment M0003 16 p2718 N91-25050
HILL, W. A.
Sweet potato for closed ecological life support systems using the nutrient film technique 23 p3902 N91-31782
HILL, WALTER A.
Effect of biweekly shoot tip harvests on the growth and yield of Georgia Jet sweet potato grown hydroponically 19 p3266 N91-28065
Effect of channel size on sweet potato storage root enlargement in the Tuskegee University hydroponic nutrient film system 19 p3266 N91-28066
HILL, WILLIAM E.
Improved sprayable lightweight ablative coating
[NASA-CASE-MFS-28372-1] 16 p2604 N91-24426
HILLARD, G. B.
Electrical system/environment interactions on the planet Mars 18 p3087 N91-27068
HILLARD, G. BARRY
The Solar Array Module Plasma Interactions Experiment (SAMPIE): A shuttle-based plasma interaction experiment 12 p1949 N91-20724
HILLBERRY, B. M.
Matrix fatigue crack development in a notched continuous fiber SCS-6/Ti-15-3 composite
[NASA-TM-102751] 07 p0969 N91-15319
HILLER, D. B.
Transient thermal analysis for photothermal spectroscopy using Zeeman interferometry
[DE91-009948] 14 p2244 N91-22415
HILLGER, D. W.
Case study analysis of clustering applied to VAS measurements
[PB91-127829] 13 p2120 N91-21666
HILLIER, R.
Computation of viscous supersonic flows 06 p0772 N91-14283
HILLIS, DAVID L.
Ocean thermal energy conversion: Perspective and status
[DE90-017665] 02 p0233 N91-11299
HILLIS, S. L.
Results from the second year of operation of the Federal Methanol Fleet at Oak Ridge National Laboratory
[DE91-000543] 05 p0669 N91-13718
Results from the third year of operation of the Federal methanol fleet at Argonne National Laboratory
[DE91-007822] 11 p1716 N91-19451
HILLS, A. D.
A fault tolerant fly by wire system for maintenance free applications 04 p0483 N91-12688
HILLS, BETHANIE J.
The series Bi2Sr2Ca(n-1) Cu(n)O(2n+4) (1 less than or equal to n less than or equal to 5): Phase stability and superconducting properties
[NASA-TM-103749] 13 p2160 N91-21910
HILLS, J. S.
Graded-bandgap AlGaAs solar cells for AlGaAs/Ge cascade cells 11 p1667 N91-19186
HILLS, R. E.
Detection of an isotopic short submillimeter CO line: Column densities of warm gas in molecular clouds
[MPE-PREPRINT-178] 11 p1817 N91-19976
HILLS, R. F.
WFOV star tracker camera
[DE91-012776] 20 p3282 N91-28148
HILLS, RICHARD
The James Clerk Maxwell telescope 13 p2178 N91-22031
HILLSDON, G.
Application of high speed photography to the study of high strain rate materials testing
[OUEL-1852/90] 11 p1709 N91-19411
HILLSMAN, E. L.
Global warming: Transportation and energy considerations, 1990
[PB91-118919] 12 p1921 N91-20567
HILLYER, CHARLES C.
Guidelines for a proposed lightning protection policy of a golf association or tournament sponsor 24 p4069 N91-32735
HILLYER, D. F., JR.
A vibrating razor blade machining tool for material removal on low-density foams
[DE91-002996] 06 p0816 N91-14507
HILMAS, GREGORY E.
Microstructural changes in Beta-silicon nitride grains upon crystallizing the grain-boundary glass 23 p3930 N91-31963
HILPERT, R.
Biosensors: Development status
[MBB-Z-0305-90-PUB] 02 p0215 N91-11201
HILSENRATH, ERNEST
Calibration of long term satellite ozone data sets using the space shuttle 11 p1732 N91-19524
HILTON, JAMES LINDSAY
The motions of Mars' pole 23 p3940 N91-32019
HILTON, M. R.
Tribological performance and deformation of sputter-deposited MoS2 solid lubricant films during sliding wear and indentation contact
[AD-A231003] 13 p2098 N91-21547
HILTON, MICHAEL R.
TEM lattice imaging of the nanostructure of early-growth sputter-deposited MoS2 solid lubricant films
[AD-A228943] 09 p1411 N91-17765
HILTON, S.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
HILTZ, M.
Operations with the special purpose dextrous manipulator on Space Station Freedom 12 p1938 N91-20659
HIMED, BRAHAM
Numeric and symbolic signal processing for very high subclutter visibility
[AD-A228812] 08 p1129 N91-16207
HIMENO, RYUTARO
Visualization of the computed unsteady flow in three dimensions 04 p0465 N91-12601
HINCHEE, R. E.
Method to select chemicals for in situ biodegradation of fuel hydrocarbons
[AD-A227541] 07 p0987 N91-15417
HINCHLEY, P.
An RF anechoic load assembly for use during spacecraft solar simulation testing 07 p0960 N91-15286
HINCKLEY, C. C.
Interactions of sulfur-containing compounds with transition metal clusters and metal surfaces III
[DE90-010591] 09 p1305 N91-17160
HIND, RAY
Ground communications for the in-orbit infrastructure 14 p2223 N91-22296
HINDERS, MARK KARL
Attenuation of elastic waves due to scattering from spherical cavities and elastic inclusions 02 p0225 N91-11256
HINDING, W.
A study of an integrated image and inertial sensor system 17 p2734 N91-25140
HINDMAN, T. B., JR.
Experience in designing and using a flat structure in a multi-project research organization
[DE91-012427] 20 p3436 N91-29067
HINDMAN, TRACY P.
A methodology for quantitative comparison of experimental to predicted chemical deposition data
[AD-A224877] 03 p0337 N91-11889
HINDS, H. A.
Preliminary studies for aircraft parameter estimation using modified stepwise recognition
[CRANFIELD-AERO-8911] 12 p1830 N91-20057
Application of modified stepwise regression for the estimation of aircraft stability and control parameters
[CRANFIELD-AERO-9008] 12 p1830 N91-20058
Initial review of research into the application of modified stepwise regression for the estimation of aircraft stability and control procedures
[CRANFIELD-AERO-8903] 12 p1844 N91-20135

Measurement of the longitudinal static stability and the moments of inertia of a 1/12th scale model of a B.Ae Hawk
[CRANFIELD-AERO-9009] 12 p1844 N91-20136
HINEDI, S.
Overview of arraying techniques in the deep space network 10 p1512 N91-18319
The advanced receiver 2: Telemetry test results in CTA 21 10 p1512 N91-18320
The Advanced Receiver II telemetry test results at Goldstone 24 p3985 N91-32260
Symbol lock detection in the ARX 2 and Block 5 receivers 24 p3985 N91-32261
HINGHOFER-SZALKAY, H.
A new principle for dynamic fluid shift investigations in astronauts 11 p1746 N91-19600
HINGORANI, S.
A laser based technique for particle sizing to study two phase expansion in turbines
[DE91-014172] 20 p3357 N91-28595
HINGORANI, S. L.
Effect of equations of state on transient burning analysis of pyrotechnic materials in a closed system
[DE91-009167] 13 p2050 N91-21280
HINGST, UWE G.
Laminar/turbulent flow transition effects on high-speed missile domes 06 p0776 N91-14301
HINGST, W. R.
Heat transfer, velocity-temperature correlation, and turbulent shear stress from Navier-Stokes computations of shock wave/turbulent boundary layer interaction flows 13 p2015 N91-21085
An experimental comparison of nonswirling and swirling flow in a circular-to-rectangular transition duct
[NASA-TM-104359] 13 p2020 N91-21115
An experimental trace gas investigation of fluid transport and mixing in a circular-to-rectangular transition duct
[NASA-TM-104499] 19 p3100 N91-27129
Evaluation of a technique to generate artificially thickened boundary layers in supersonic and hypersonic flows
[NASA-TP-3142] 20 p3280 N91-28136
Progress toward synergistic hypermixing nozzles
[NASA-TM-105169] 21 p3452 N91-29150
The NASA Lewis Research Center Internal Fluid Mechanics Facility
[NASA-TM-105187] 22 p3624 N91-30163
A laser-induced heat flux technique for convective heat transfer measurements in high speed flows
[NASA-TM-105177] 22 p3677 N91-30472
HINGST, WARREN R.
Development of a laser-induced heat flux technique for measurement of convective heat transfer coefficients in a supersonic flowfield
[NASA-TM-103778] 11 p1643 N91-19063
Experimental investigation of a single flush-mounted hypermixing nozzle
[NASA-TM-103726] 11 p1702 N91-19374
HINKEL-LIPSKER, D. E.
Conversion of electrostatic and electromagnetic waves in a plasma at the peak of a parabolic density profile
[AD-A230560] 12 p1983 N91-20909
HINKELMAN, ELIZABETH A.
Linguistic and pragmatic constraints on utterance interpretation
[AD-A228815] 08 p1129 N91-16210
HINKLE, C. R.
Investigating combustion as a method of processing inedible biomass produced in NASA's biomass production chamber
[NASA-TM-103821] 18 p3036 N91-26759
HINKLE, C. ROSS
Geology, geohydrology, and soils of NASA, Kennedy Space Center: A review
[NASA-TM-103813] 01 p0073 N91-10442
HINKLE, G. ROSS
Dynamics of vegetation and soils of oak/saw palmetto scrub after fire: Observations from permanent transects
[NASA-TM-103817] 13 p2113 N91-21635
HINKLEY, J. A.
Response of composite materials to low velocity impact
[NASA-TM-102755] 07 p0972 N91-15337
HINKS, D. G.
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Tunneling spectroscopy measurements on low-leakage junctions of Nd(1.85)Ce(0.15)CuO(4-y) and Ba(1-x)K(x)BiO3
[DE91-006585] 09 p1418 N91-17806
Positron lifetime studies of defect structures in Ba(1-x)K(x)BiO3
[DE91-007341] 11 p1806 N91-19919
Defects, oxygen ordering and properties of La-Cu-O and Ba-Bi-O superconductors
[DE91-008811] 12 p1992 N91-20967
Synthesis and superconductivity in Ba(1-x)K(x)BiO3
[DE91-015254] 21 p3594 N91-29992
HINMAN, ELAINE M.
ROBOSIM, a simulator for robotic systems 14 p2360 N91-23059
HINNANT, HOWARD E.
General Rotorcraft Aeromechanical Stability Program (GRASP): Theory manual
[NASA-TM-102255] 05 p0677 N91-13762
Improved finite-element methods for rotorcraft structures
[NASA-TM-104104] 23 p3886 N91-31687
HINO, TAKANORI
Wall function method with conservation property 24 p3946 N91-32058
HINSINGER, ROBERT
Choice of propulsion for next generation aircraft 03 p0309 N91-11732
HINSON, E. W.
Determination of shuttle orbiter center of gravity from flight measurements
[NASA-TM-102627] 08 p1103 N91-16058
HINTON, B. R. W.
Ion Vapour Deposited (IVD) aluminum coatings for the corrosion protection of high strength steel
[ARL-MAT-R-123] 22 p3655 N91-30341
HINTON, BARRY
The relationship of marine stratus to synoptic conditions 01 p0082 N91-10489
HINTON, BARRY B.
Collection and analysis of radar rainfall and satellite data for the Darwin TRMM experiment
[NASA-CR-188237] 16 p2659 N91-24710
HINTON, DAVE
Integrated data analysis of July 7, 1990 microburst 16 p2555 N91-24170
TDWR information on the flight deck 16 p2556 N91-24176
HINTON, DAVID A.
Flight guidance research for recovery from microburst wind shear 03 p0304 N91-11696
HINTZ, R. T.
Laser obstacle and cable update sensor 07 p0943 N91-15169
HINTZEN, P. M.
Optical, near, infrared and ultraviolet monitoring of the Seyfert 1 galaxy Markarian 335 09 p1445 N91-17970
HINTZEN, PAUL
Multi-color imaging of selected southern interacting galaxies 08 p1247 N91-16867
HIPPENSTEELE, STEVEN A.
Visualization techniques to experimentally model flow and heat transfer in turbine and aircraft flow passages
[NASA-TM-4272] 19 p3163 N91-27489
HIRAGA, KEIJIRO
Effects of environment and aging on creep properties of Alloy 800H
[DE90-520207] 02 p0197 N91-11106
HIRAI, KENICHI
Numerical simulations of the flow field in a SCRAM jet engine combustor 04 p0464 N91-12595
Numerical simulations of chemically reacting flow 24 p3943 N91-32036
HIRAI, T.
Evaluation of thermomechanical properties of functionally gradient material under high temperature difference 03 p0333 N91-11863
HIRAKI, N.
Transport phenomena in ultra-long discharge 10 p1600 N91-18826
HIRANANDANI, SEEMA
Distributed memory compiler design for sparse problems
[NASA-CR-187515] 10 p1566 N91-18610
HIRANO, KATSUMI
Proceedings of a Workshop on Emissions from Heavy Current Carrying High Density Plasma and Diagnostics
[NIFS-PROC-7] 19 p3248 N91-27962
Time resolved electron spectrum analyzer 19 p3248 N91-27965
HIRANO, T.
Functionally Gradient Materials (FGM) architecture: A new type of ceramic-metal assemblage designed for hot structural components 03 p0328 N91-11826
HIRAOKA, KOICHI
CFD research and systems in Kawasaki Heavy Industries and its future prospects 13 p2067 N91-21382
HIRAOKA, NAOFUMI
Wear characteristics of bonded solid film lubricant under high load condition 16 p2641 N91-24616
HIRAYAMA, T.
Transport analysis on JT-60 10 p1598 N91-18817
H-mode simulation 10 p1599 N91-18820
HIRLEMAN, E. DAN
Research on certain aspects of laser diffraction particle size analysis relevant to autonomous self-diagnosing instrumentation
[AD-A226822] 08 p1154 N91-16354
HIRNING, JAMES LAWRENCE
Optimal Kalman filter integration of a global positioning system receiver and an LN-94 inertial navigation system
[AD-A227222] 08 p1094 N91-16003
HIROE, S.
Inversion of chordal data from the ATF torsatron
[DE91-010490] 15 p2511 N91-23915
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
HIROHAMA, MITSUO
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
HIROMOTO, DAVID S.
Three point bend creep testing of carbon/epoxy
[DE91-001083] 05 p0632 N91-13501
HIROMOTO, N.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope 13 p2174 N91-22004
HIROMOTO, R. E.
Developing dataflow algorithms
[DE91-016300] 23 p3909 N91-31818
Empirical results of a hybrid Monte Carlo method for the solution of Poisson's equation
[DE91-016240] 24 p4092 N91-32863
HIROMOTO, ROBERT
A Monte Carlo boundary propagation method for the solution of Poisson's equation
[DE90-015060] 02 p0262 N91-11466
HIROOKA, Y.
New method for edge plasma control by RF ponderomotive force
[DE91-744823] 11 p1805 N91-19911
HIROSE, AKIRA
Anomalous transport due to the skin size electromagnetic drift mode in tokamaks 20 p3410 N91-28902
HIROSE, HIDEHIRO
The CFD analysis related aerospace in Fuji Heavy Industries, Ltd. 13 p2067 N91-21383
Blended wing-body configuration design using transonic inverse code 24 p3945 N91-32047
HIROSE, NAOKI
Transonic aerodynamics analyses of unconventional wing configurations by 3D-Euler code 04 p0457 N91-12555
Verification of 2D-viscous flow simulation codes using airfoil with very small leading edge radius 04 p0468 N91-12625
Blunt trailing edge analysis of supercritical airfoils by a Navier-Stokes code
[NAL-TR-1075-T] 13 p2020 N91-21114
CFD development present and prospects at NAL 13 p2067 N91-21385
A computational and experimental analysis of joined-wing aerodynamics
[NAL-TR-1088T] 17 p2729 N91-25114
HIROTA, I.
Handbook for MAP, volume 32. Part 1: MAP summary. Part 2: MAPSC minutes, reading, August 1989. MAP summaries from nations. Part 3: MAP data catalogue
[NASA-CR-188151] 14 p2284 N91-22631
HIROTA, KAORU
Solution of inverse problem of fuzzy relational equation by using perceptron model 13 p2141 N91-21786
HIRSA, AMIR HOSSEIN
An experimental investigation of vortex pair interaction with a clean or contaminated free surface 15 p2422 N91-23419
HIRSCH, C.
A general analysis of two-dimensional convection schemes 24 p4012 N91-32428
HIRSCH, CH.
Radial mixing in turbomachines
[AD-A235507] 19 p3163 N91-27491
HIRSCH, JOY
Limits of human visual discrimination: Toward a general model of visual geometry
[AD-A226826] 08 p1191 N91-16548
HIRSCH, L. M.
Quantitative modeling of the point defect structures of Fe-doped MgO and MgSiO3 perovskite
[DE91-011405] 20 p3424 N91-28990
HIRSCH, T.
X ray measurements of residual stresses in thin, hard layers 05 p0639 N91-13542

HIRSCHEL, E. H.
Aerothermodynamic phenomena and the design of atmospheric hypersonic airplanes
[MBB/FE122/S/PUB/0408] 08 p1096 N91-16015
Hypersonic model configurations
[MBB/FE122/S/PUB/411] 08 p1096 N91-16016
Problems of hypersonic aerothermodynamics
[MBB-FE202/5/PUB/436] 15 p2365 N91-23090
Viscous effects
[MBB-FE202/S/PUB/441] 23 p3782 N91-31088
HIRSCHMUGL, C. J.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
HIRSHMAN, K. A.
Characterization of elastic properties of interfaces in composite materials
[AD-A228119] 07 p0973 N91-15340
HIRSINGER, FRANCIS
A study of supersonic and hypersonic ramjet engines in France from 1950 to 1974 (application on combined cycle aircraft engines) 15 p2376 N91-23149
HIRST, E.
Making energy efficiency happen
[DE91-013057] 20 p3368 N91-28655
HIRVO, DAVID H.
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 1: Real-time flight experiment support
[NASA-CR-179449] 16 p2559 N91-24193
HIRZINGER, G.
Multisensory telerobotic concepts for space and underwater applications 15 p2452 N91-23584
HISAMATSU, T.
Basic study of solid oxide fuel cells
[DE90-517069] 01 p0064 N91-10386
HISAO, O.
Improved apparatus for countercurrent chromatography separations and stable methods for monitoring the effluent thereof
[PB90-141060] 09 p1308 N91-17180
HISATSUNE, K.
X ray determination of site occupation parameters in ordered ternaries Cu(Au(x)M(1-x))M = Ni,Pd
[DE91-007861] 11 p1809 N91-19937
HISCOCK, EBEN
CRRES project orbital data processing task
[AD-A234286] 22 p3628 N91-30190
HISCOX, WILLIAM L.
Range estimation techniques in single-station thunderstorm warning sensors based upon gated, wideband, magnetic direction finder technology 24 p4049 N91-32618
HISER, A. L.
Mechanical properties of 1950's vintage Type 304 stainless steel weldment components
[DE91-004328] 05 p0679 N91-13774
HISHIDA, MANABU
Numerical simulation of a shock wave propagation in the solid particle layer 04 p0453 N91-12527
HISLEY, DIXIE M.
BLAST2D computations of the reflection of planar shocks from wedge surfaces with comparison to SHARC and STEALTH results
[AD-A227261] 08 p1199 N91-16589
Computational studies for 1/57-scale Large Blast Simulator (LBS) configurations with the BLAST2D code
[AD-A227514] 09 p1285 N91-17066
HITCHCOCK, EDWARD
The development of perceptual/motor and cognitive performance measures under a high-G environment: A preliminary study
[AD-A231289] 13 p2127 N91-21709
HITCHCOCK, GARY
Phytoplankton abundance in relation to Lagrangian paths
[AD-A233728] 18 p3020 N91-26672
HITCHENS, G. D.
Electrochemical incineration of wastes
[NASA-CR-186317] 03 p0387 N91-12156
Oxidation and wear resistant carbon-carbon composites
[AD-A238475] 22 p3644 N91-30279
HITE, DALE
Space systems propulsion technology 20 p3293 N91-28209
HITE, GERALD E.
Photographic image enhancement 18 p3092 N91-27094
HITES, R. A.
Atmospheric transport and deposition of polychlorinated Dibenzo-P-Dioxins and Dibenzofurans
[PB91-144667] 16 p2655 N91-24688
HITNEY, HERBERT V.
Air/sea temperature probe
[AD-D014674] 11 p1706 N91-19397
HIVONEN, JUHA-PEKKA
Excimer laser surface processing for tribological applications in metals and ceramics
[DE91-002324] 11 p1712 N91-19428
HIXON, DUANE
Development of iterative techniques for the solution of unsteady compressible viscous flows
[NAS 1.26:188734] 19 p3165 N91-27503
HIXSON, R. S.
Computation of the current density in nonlinear materials subjected to large current pulses
[DE91-001950] 05 p0652 N91-13624
Bauschinger effect during shock loading
[DE91-014606] 20 p3364 N91-28634
Thermophysical properties of POCO AXF-5Q graphite up to melting
[DE91-014751] 21 p3485 N91-29334
HJALMARSON, A.
Proceedings of the symposium Astrophysical Processes and Structures in the Universe
[PB91-123653] 11 p1819 N91-19993
HJALMARSSON, A.
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations 13 p2181 N91-22050
HJELMSTAD, KEITH D.
Parameter estimation in complex linear structures
[PB91-151076] 17 p2786 N91-25418
HJERESEN, D.
Supercritical fluids cleaning
[DE91-013374] 20 p3333 N91-28456
HJERESEN, DENNIS L.
Behavioral effects of 1300 MHz high-peak-power microwave pulsed irradiation
[AD-A226269] 04 p0551 N91-13059
HLAVA, P. F.
Microstructural characterization of solders and brazes for advanced packaging technology
[DE91-011503] 20 p3320 N91-28379
HLAVACEK, VLADIMIR
Synthesis of high performance ceramic fibers by chemical vapor deposition for advanced metallics reinforcing
[NASA-CR-185384] 19 p3136 N91-27328
Synthesis of multifilament silicon carbide fibers by chemical vapor deposition
[NASA-CR-188725] 21 p3485 N91-29331
HMELO, ANTHONY B.
The metrology of spherical shells using synchrotron x ray microtomography 13 p2065 N91-21374
HO, A. Y.
A theoretical model for the temporal evolution of HF-enhanced plasma lines 10 p1548 N91-18518
HO, BRYAN P.
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169
HO, C.
Laser induced spark ignition of methane-oxygen mixtures
[NASA-CR-188689] 22 p3649 N91-30309
HO, C. M.
Study of asymmetric supersonic jet flow for ejectors
[DE90-015598] 02 p0158 N91-10917
HO, CHI-TING
Bromination of carbon fibers and carbon-carbon composites 15 p2392 N91-23240
HO, CHIH-MING
Control of unsteady aerodynamic forces
[AD-A227365] 06 p0778 N91-14315
Unsteady behavior of turbulent shear flows
[AD-A231836] 14 p2264 N91-22523
HO, CHING-SHUN
Precision orbit determination of global positioning system satellites 15 p2386 N91-23202
HO, D. D.-M.
Stratospheric ozone conservation by electron attachment to chlorine atoms: The negative-ion chemistry
[DE91-002951] 05 p0686 N91-13815
HO, F.
Status of GaAs/Ge solar cells 11 p1667 N91-19185
HO, FAT DUEN
Computer modeling of inversion layer MOS solar cells and arrays
[NASA-CR-187875] 09 p1355 N91-17444
HO, H.
Composite load spectra for select space propulsion structural components 16 p2586 N91-24330
Probabilistic design analysis using Composite Loads Spectra (CLS) coupled with Probabilistic Structural Analysis Methodologies (PSAM) 16 p2586 N91-24331
HO, J.
Laser detection and mapping of biological simulants 3. Dichotomous sampler measurements of aerosol concentrations as related to lidar signals
[AD-A225321] 03 p0388 N91-12162
Nonlinear optics technology. Volume 1: Solid state laser technology, phase 3
[AD-A233533] 16 p2690 N91-24891
HO, JAMES
Finite size effects and film materials
[NIAR-90-28] 09 p1317 N91-17233
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
Bonded/fusion repair of aircraft structures 16 p2554 N91-24160
HO, LORETTA G. L.
Land-mobile field experiments in Australia 03 p0353 N91-11968
HO, P.
Pseudomorphic InGaAs materials
[AD-A226895] 06 p0880 N91-14864
HO, P. T.
Quantum extension of Child-Langmuir law
[AD-A232407] 15 p2505 N91-23878
HO, P. T. P.
VLA observations of ammonia in Herbig-Haro 1-2 10 p1622 N91-18949
HO, PAUL T. P.
Dense gas and HII regions in the starburst galaxy NGC 253 05 p0759 N91-14220
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236
HO, PAULINE
Laser studies of the interaction of SiO with the surface of a thin film
[DE91-004562] 06 p0806 N91-14450
HO, PENG YIP
Self-propelled slender axisymmetric body flows: Errors in the Poisson equation field calculation 17 p2729 N91-25110
HO, W.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671
HO, Y. L.
Nonlinear reversed field pinch dynamics with nonideal boundaries
[DE91-013638] 20 p3419 N91-28961
HOADLEY, ARTHUR W.
Performance instrumentation for multiengine safety 04 p0460 N91-12571
HOADLEY, SHERWOOD TIFFANY
Physically weighted approximations of unsteady aerodynamic forces using the minimum-state method
[NASA-TP-3025] 10 p1456 N91-18031
Development, simulation validation, and wind tunnel testing of a digital controller system for flutter suppression 14 p2230 N91-22336
Development and testing of controller performance evaluation methodology for multi-input/multi-output digital control systems 14 p2230 N91-22337
HOAG, H. A.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
HOAG, J. E.
The cache group scheme for hardware-controlled cache coherence and the general need for hardware coherence control in large-scale multiprocessors
[DE91-012106] 20 p3388 N91-28772
HOAG, LYLE E.
Development of a taction system using piezoelectric film
[AD-A227076] 06 p0822 N91-14544
HOAGLAND, J.
Eastern Europe: Please stand by
[PB91-14336] 15 p2411 N91-23348
HOANG, NAM V.
Life sciences on-line: A study in hypermedia application 13 p2165 N91-21943
HOANG, PHUONG HUY
Stress distribution at a three-dimensional singularity in anisotropic materials and composites 16 p2643 N91-24627
HOARTY, D. J.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
HOBAN, FRANCIS T.
Issues in NASA program and project management
[NASA-SP-6101(03)] 04 p0601 N91-13347
Issues in NASA program and project management
[NASA-SP-6101(04)] 19 p3259 N91-28026
HOBAN, S. M.
Infrared spectroscopy of comets 12 p2004 N91-21026
Comet Brorsen-Metcalf in the 3.5 micron region 12 p2005 N91-21033

HOBAN, SUSAN
Infrared remote sensing of cometary parent volatiles from the ground, air, and space
17 p2895 N91-26003
HOBART, MIKE
Elementary inversion, energy velocity, and a generalized Sommerfeld theorem
[DE90-018046] 02 p0265 N91-11486
HOBBS, L. W.
Radiation disorder and aperiodicity in irradiated ceramics
[DE91-010257] 20 p3322 N91-28391
HOBBS, PETER V.
In situ measurements of ship tracks
01 p0086 N91-10507
Cloud absorption properties as derived from airborne measurements of scattered radiation within clouds
01 p0087 N91-10512
HOBBS, R. E.
3-D imagery cockpit display development
[AD-A226411] 04 p0481 N91-12680
HOBBS, WALTER V.
RAND database handling (DBH) system user guide
[AD-A230216] 12 p1997 N91-20992
HOBEIKA, A. G.
Runway exit designs for capacity improvement demonstrations. Phase 1: Algorithm development
[NASA-CR-187955] 09 p1285 N91-17065
HOBSON, GARTH VICTOR
The elliptic calculation of viscous incompressible turbomachinery flows 09 p1335 N91-17330
A pressure based method for the solution of viscous incompressible turbomachinery flows
13 p2014 N91-21078
HOCH, M. P.
Oceanographic data report Number 7: Data from the Delaware Estuary SCENIC cruises, April 1986 - September 1988
[PB91-183582] 21 p3547 N91-29706
HOCHART, J.-P.
Economical test method and ease of access under microgravity: The zero-g Caravelle
07 p0959 N91-15276
HOCHBERG, T.
An approach to space power
14 p2200 N91-22147
HOCHBRUCK, MARLIS
A biconjugate gradient type algorithm on massively parallel architectures
[NASA-CR-188888] 24 p4089 N91-32848
HOCHHAUS, R.
Preparation of damage resistant optical coatings on flat substrates
[DE91-013588] 21 p3580 N91-29916
HOCHSTAETTLER, W.
Modular substructures in pseudomodular lattices
[MATHS-MEMO-887] 10 p1581 N91-18701
HOCK, SUSAN M.
Performance and cost projections for advanced wind turbines
[DE90-000370] 02 p0230 N91-11286
The sensitivity of wind technology utilization to cost and market parameters
[DE91-002122] 07 p1026 N91-15629
HOCKING, W. K.
Target parameter estimation 18 p3010 N91-26620
HOCKNEY, RICHARD
Magnetic bearings for a spaceflight optical disk recorder 13 p2036 N91-21195
HODANISH, STEPHEN J.
An observational analysis of tropical cyclone recurvature
[ASP-480] 22 p3711 N91-30651
HODAPP, KLAUS-WERNER
Distribution of the 3.1 micron feature in Cepheus A
06 p0897 N91-14958
HODES, E.
Al-Pb bearing alloy (TEXUS 1)
23 p3840 N91-31413
HODGDON, J. A.
Body composition in military services: Standards and methods
[AD-A230435] 12 p1933 N91-20637
HODGDON, JAMES A.
Effect of a passive cooling vest on tension/anxiety and fatigue in a high heat and high humidity naval environment
[AD-A234657] 18 p3035 N91-26755
HODGDON, M. L.
Computation of the current density in nonlinear materials subjected to large current pulses
[DE91-001950] 05 p0652 N91-13624
HODGDON, MARION L.
Computation of superconductor critical current densities and magnetization curves
[DE90-016567] 01 p0131 N91-10773
HODGE, A. J.
A novel method of testing the shear strength of thick honeycomb composites
[NASA-TP-3108] 13 p2044 N91-21242
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185
HODGE, JAMES D.
Composite ceramic superconducting wires for electric motor applications
[AD-A228359] 08 p1237 N91-16818
HODGE, KEVIN A.
Automatic information processing and high-performance skills: Principles of consistency, part-task training, context, retention, and complex task performance
[AD-A235944] 19 p3213 N91-27761
HODGE, PAUL
HII regions in dwarf irregular galaxies of the local group 05 p0745 N91-14156
HODGE, STEVE
Acoustic waves superimposed on incompressible flows 04 p0594 N91-13317
HODGES, DEWEY H.
General Rotorcraft Aeromechanical Stability Program (GRASP): Theory manual
[NASA-TM-102255] 05 p0677 N91-13762
Optimal guidance law development for an advanced launch system
[NASA-CR-187652] 07 p1047 N91-15749
HODGES, J.
Pressure measurements on slender bodies at supersonic speeds and development of flow separation critera for Euler codes 06 p0772 N91-14282
HODGES, R. E.
Linear-phase approximation in the triangular facet near-field physical optics computer program
03 p0354 N91-11978
HODGETTS, T. E.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
HODGIN, ROBERT F.
Applied technology center business plan and market survey
[NASA-CR-187259] 01 p0134 N91-10794
Space market model space industry input-output model
[NASA-CR-187252] 01 p0134 N91-10795
HODGINS, JESSICA K.
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949
HODGKISS, WILLIAM S.
Coherence of transients
[AD-A230168] 12 p1973 N91-20853
Analysis of 200 Hz CW tone propagation signal recorded during the September 1987 VLA experiment
[AD-A231053] 13 p2072 N91-21414
High resolution beamforming on large aperture vertical line arrays: Processing synthetic data
[AD-A231054] 13 p2072 N91-21415
A 200 Hz matched field processing on the September 1987 VLA data set
[AD-A231096] 13 p2124 N91-21692
HODGSON, J. W.
The Federal methanol fleet: Summary of technical data
[DE91-006608] 10 p1507 N91-18292
Results from the third year of operation of the Federal methanol fleet at Argonne National Laboratory
[DE91-007822] 11 p1716 N91-19451
HODGSON, RANDALL R.
Infrared material property measurements with polarimetry and spectropolarimetry
[AD-A224940] 03 p0337 N91-11890
Post-flight characterization of optical system samples, thermal control samples, and detectors from LDEF experiment M0003, sub-experiments 8 and 13
16 p2721 N91-25068
HOEBERLING, ROBERT F.
Behavioral effects of 1300 MHz high-peak-power microwave pulsed irradiation
[AD-A226269] 04 p0551 N91-13059
HOEDE, CORNELIS
A graph-theoretical analysis of the concept of cooperation
[PB91-185413] 22 p3744 N91-30862
HOEFFNER, JOSEF
Iron density measurements in polar atmosphere
[BONN-IR-90-53] 15 p2464 N91-23654
HOEFSLOOT, H. C. J.
Three-dimensional Marangoni convection (MASER 2) ESA 23 p3827 N91-31344
HOEG, P.
Theory of a thermal resonance instability in the E-region of the ionosphere 10 p1547 N91-18514
HOEGENAUER, ERNST
Technological fields and profiles in space travel: Prospects for small and middle size companies
04 p0491 N91-12733
HOEGLUND, INGMAR
Design and manufacture of space ASICs today and tomorrow: Promises and problems
24 p3991 N91-32299
HOEGY, WALTER R.
Solar irradiance observed from PVO and inferred solar rotation 03 p0441 N91-12465
HOEHN, ALEXANDER
Tuning the efficiencies of plant lighting systems: From primary energy to edible biomass: The LED as an alternative light source 11 p1756 N91-19660
HOEIJMAKERS, H. W. M.
Comparison of solution of various Euler solvers and one Navier-Stokes solver for the flow about a sharp-edged cropped delta wing
[ETN-91-99508] 22 p3614 N91-30106
HOEIJMAKERS, M. J.
Derivation and verification of a model of the synchronous machine with rectifier with two damper windings of the direct axis
[EUT-90-E-248] 22 p3700 N91-30601
HOEIMYR, TOR
System for generation of synthetic images (SYBIL)
[FFI-90/4002] 14 p2308 N91-22753
HOEKMAN, D. H.
Analysis of IRIS and VARAN-S image data, automated geometrical processing, and data extraction
[BCRS-89-37] 03 p0358 N91-12005
HOEKSTRA, R.
Beam optics of the AmPS extraction line
[NIKHEF-K/AMPS/91-01] 24 p4101 N91-32914
HOEKSTRA, W. E.
A method to enhance azimuth accuracy by the use of the a priori knowledge of the antenna pattern
16 p2615 N91-24473
HOELL, JAMES M., JR.
Airborne sulfur trace species intercomparison campaign: Sulfur dioxide, dimethylsulfide, hydrogen sulfide, carbon disulfide, and carbonyl sulfide 17 p2796 N91-25464
HOELLER, HARTMUT
Investigation of micro- and macrophysical structures and processes in hail clouds with respect to their modification
[DLR-FB-90-38] 15 p2469 N91-23677
HOELTZEL, D. A.
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859
HOENIGMAN, J. R.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
HOENLINGER, H.
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 1: Fighter airplanes and helicopters 02 p0161 N91-10931
HOERMANN, ANDREAS
Simulation of automated approach procedures considering dynamic flight operations
02 p0178 N91-11008
HOERNES, S.
Oxygen extraction from lunar soil by fluorination
17 p2903 N91-26032
HOESCHELE, JAMES D.
Inorganic concepts relevant to metal binding, activity, and toxicity in a biological system
[DE91-001489] 05 p0693 N91-13858
HOEY, ROBERT G.
X-15 contributions to the X-30
12 p1833 N91-20076
HOFER, W. W.
Photoconductive switching for HPM (High Power Microwave) generation
[DE91-005398] 10 p1517 N91-18353
Photoconductive switching for high power microwave generation
[DE91-005433] 10 p1518 N91-18355
HOFERKAMP, L. A.
Heterocycles based on group 3, 4, and 5 elements: Precursors for novel glasses and ceramics
[AD-A226988] 06 p0812 N91-14487
HOFF, L. E.
Detection of targets in terrain clutter by using multispectral infrared image processing
[AD-A237436] 21 p3499 N91-29414
HOFF, WILLIAM A.
Machine vision based teleoperation aid
14 p2315 N91-22784

HOFFBAUER, M. A.
Characteristics of oxide layer grown on gallium arsenide using 2.8 eV translational energy atomic oxygen
[DE91-004865] 07 p1073 N91-15908
Atomic oxygen degradation of Intelsat 4-type solar array interconnects: Laboratory investigations
[NASA-TM-102175] 13 p2051 N91-21286
HOFFER, LOIS MARION
Homogeneously broadened bidirectional ring laser: Theoretical analysis, numerical simulation, and experiment in helium-xenon 08 p1155 N91-16360
HOFFERT, M. I.
Cloud and ocean effects on global greenhouse warming
[DE91-008842] 13 p2114 N91-21639
HOFFHEINS, B. S.
New materials for thick-film electronics
[DE91-000518] 07 p0998 N91-15481
A pocket-size broadband electric field detection and storage device
[DE91-007710] 11 p1708 N91-19406
Thin film hydrogen sensor
[DE91-014197] 20 p3349 N91-28550
HOFFLER, G. W.
Responses of women to orthostatic and exercise stresses
[NASA-TP-3043] 11 p1765 N91-19711
HOFFMAN, ALAN J.
Covers by polars of arrangements
[DE91-001358] 06 p0862 N91-14764
HOFFMAN, C. M.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848
HOFFMAN, D. A.
Computation and graphics in mathematical research
[DE91-007333] 11 p1782 N91-19776
HOFFMAN, D. C.
Calculation of cross sections for binary reactions between heavy ion projectiles and heavy actinide targets
[DE91-010222] 15 p2506 N91-23882
HOFFMAN, D. E.
Weldability of AerMet 100
[DE91-008626] 12 p1908 N91-20499
HOFFMAN, D. J.
The effect of realistic antenna geometries on plasma loading predictions
[DE91-010782] 15 p2411 N91-23353
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
An assessment of the lifetime of Faraday shield elements
[DE91-012228] 20 p3334 N91-28463
HOFFMAN, DANIEL J.
Environmental exposure effects on composite materials for commercial aircraft
[NASA-CR-187478] 16 p2591 N91-24358
HOFFMAN, DAVID J.
ETARA PC version 3.3 user's guide: Reliability, availability, maintainability simulation model
[NASA-TM-103751] 11 p1718 N91-19462
HOFFMAN, E. L.
Penetration in metal targets: A numerical and experimental study of the metal-tack fastener applied to high strength steels
[DE91-011256] 17 p2765 N91-25410
HOFFMAN, ERIC
Analytical aerodynamic model of a high alpha research vehicle wind-tunnel model
[NASA-CR-187469] 05 p0614 N91-13404
HOFFMAN, F. O.
Finalization of the international biospheric model validation study
[DE90-011087] 08 p1174 N91-16463
HOFFMAN, F. OWEN
Validity of environmental transfer models
[DE91-002929] 06 p0843 N91-14660
HOFFMAN, JOHN H.
The study of pressure measurement techniques and devices in the range of 10(exp -1) to 10(exp -5) torr (2 millipsi to 0.2 micropsi)
[NASA-CR-186926] 03 p0299 N91-11667
HOFFMAN, M. J.
Navigation, guidance, and trajectory optimization for hypersonic vehicles 15 p2376 N91-23150
HOFFMAN, M. M.
Calculation of cross sections for binary reactions between heavy ion projectiles and heavy actinide targets
[DE91-010222] 15 p2506 N91-23882
HOFFMAN, M. Z.
Study of intermediates from transition metal excited-state electron-transfer reactions
[DE91-012182] 18 p2958 N91-26324
HOFFMAN, N. M.
Shock acceleration with turbulence minimization
[DE91-014741] 21 p3513 N91-29505
HOFFMAN, PAUL JOSEPH
Transpolar sea ice drift in the vicinity of the Yermak Plateau as observed by ARCTEMIZ 86 buoys
[AD-A228985] 09 p1370 N91-17527
HOFFMAN, R.
Investigation of the Si(111)-(/3x/3)R30 C-boron surface reconstruction by simulated annealing
[AD-A235671] 19 p3241 N91-27926
HOFFMAN, R. N.
Design of an enhanced global spectral model
[AD-A232123] 15 p2464 N91-23655
HOFFMAN, REGIS
Experimental characterization of the perceptron laser rangefinder
[NASA-CR-188676] 19 p3175 N91-27554
HOFFMANN, CHRISTOPH M.
Curvature computations on surfaces in N-space
[AD-A228000] 07 p1060 N91-15831
Visualization of surfaces in four-dimensional space
[AD-A227858] 08 p1201 N91-16605
HOFFMANN, CHRISTOPHER M.
Conversion methods between parametric and implicit curves and surfaces
[AD-A228715] 09 p1390 N91-17649
A geometric investigation of the skeleton of CSG objects
[AD-A229292] 09 p1391 N91-17654
HOFFMANN, H.-E.
A documentation of vertical and horizontal aircraft soundings of icing relevant cloudphysical parameters
23 p3796 N91-31172
HOFFMANN, HANS-EBERHARD
Analysis of three icing test flights reaching the aircraft-referred icing degree severe
[DLR-FB-90-34] 13 p2022 N91-21123
HOFFMANN, K. A.
Grid sensitivity in low Reynolds number hypersonic continuum flows
[DE91-010875] 17 p2730 N91-25118
Effect of the grid system on heat transfer computations for high speed flows
[DE91-010874] 17 p2778 N91-25375
HOFFMANN, KLAUS A.
Effect of bulk viscosity in low density, hypersonic blunt body flows
[DE90-012756] 05 p0616 N91-13419
HOFFMANN, MARTIN
Discovery and orbital characterization of near-Earth asteroids 17 p2904 N91-26039
The surface of near-Earth asteroids
17 p2904 N91-26040
HOFFMANN, MICHAEL JOHANNES
Manufacturing of SiC whisker reinforced SiN4 by a combined sinter HIP process
[ETN-90-98162] 04 p0499 N91-12771
HOFFMANN, ROALD
Chemisorption of carbon monoxide on three metal surfaces: Ni(111), Pd(111) and Pt(111): A comparative study
[AD-A228579] 08 p1112 N91-16108
A comparative study of the chemisorption of ethylene on three metal surfaces: Ni(111), Pd(111) and Pt(111)
[AD-A228534] 09 p1308 N91-17178
From chemisorption to mechanism on surfaces: An exploration of the pyrolysis of triisobutylaluminum in the chemical vapor deposition of aluminum thin films
[AD-A235879] 19 p3125 N91-27263
HOFFMANN, UWE
Effects of short-lasting weightlessness on gas exchange during light exercise 11 p1741 N91-19573
Time courses of endurance performance parameters following 500 ml blood withdrawal
11 p1743 N91-19586
Influence of various parameters on the V'O2 frequency response of the body. A theoretical study on the basis of a nonlinear model 11 p1745 N91-19594
Intra-individual variability V'O2 frequency responses in physically active subjects 11 p1746 N91-19601
HOFFMANN, WOLFGANG
A computer program system for the analysis of three-dimensional steady flows in turbomachinery components
[DLR-FB-90-18] 03 p0367 N91-12058
HOFFMEISTER, H.
Pores in aluminium alloys (TEXUS 3)
23 p3847 N91-31447
HOFFMEYER, JAMES A.
Long-term performance and propagation measurements on single and tandem digital microwave transmission links. Volume 1: Analysis of measurement data
[PB91-129643] 13 p2069 N91-21396
Long-term performance and propagation measurements on single and tandem digital microwave transmission links. Volume 2: Appendixes
[PB91-129650] 13 p2069 N91-21397
HOFFREN, JAAKKO
Multigrid solution for the Euler equations in axisymmetric flow
[REPT-B-17] 01 p0043 N91-10253
Numerical simulation of transonic flow around airfoils at high Reynolds numbers using algebraic turbulence models
[B-29] 10 p1462 N91-18065
HOFLAND, GREGG S.
FREQFIT: Computer program which performs numerical regression and statistical chi-squared goodness of fit analysis
[DE91-000133] 03 p0401 N91-12230
HOFLAND, ROBERT
Transverse flow gas lens
[AD-A231366] 13 p2155 N91-21878
HOFLER, THOMAS J.
Summary of basic research in thermoacoustic heat transport: 1990
[AD-A232223] 15 p2500 N91-23847
HOFMAN, JOHANNES ANNA MARIA H.
Flow of dilute emulsions through porous media
[ETN-91-99167] 14 p2264 N91-22525
HOFMANN, MARTIN O.
Engine Data Interpretation System (EDIS)
[NASA-CR-188061] 12 p1858 N91-20205
HOFMANN, OTTO
Stereophotogrammetric surveying and interpreting method, and interpreting apparatus
[PATENT-1-254-651] 23 p3887 N91-31693
HOFMAYER, C. H.
Prediction of high level vibration test results by use of available inelastic analysis techniques
[DE91-009437] 20 p3359 N91-28606
HOFMEISTER, WILLIAM H.
Very high temperature chemistry: Science justification for containerless experimentation in space
13 p2059 N91-21334
NASA-sponsored containerless processing experiments 13 p2059 N91-21335
HOFSTETTER, K.
Ocular roll under changing z-axis acceleration and neck position 11 p1742 N91-19580
HOFTON, A. N.
A passenger's view of commuter aircraft
03 p0308 N91-11720
HOGAN, A.
Symposium on the tropospheric chemistry of the Antarctic region: Pre-conference abstracts
[AD-A236274] 19 p3186 N91-27621
HOGAN, B.
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
HOGAN, J.
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
HOGAN, J. T.
Modeling of hydrocarbon fueling
[DE90-014790] 01 p0048 N91-10289
ITER confinement capability
[DE91-002647] 05 p0720 N91-14018
ITER global stability limits
[DE91-001488] 06 p0876 N91-14845
HOGAN, P. J.
A 1/8 degree model of the north Pacific Ocean
[AD-A228957] 09 p1369 N91-17526
HOGAN, R. E.
Numerical modeling of dish-Stirling reflux solar receivers
[DE91-004510] 09 p1356 N91-17448
HOGAN, ROY E.
Carbon dioxide reforming of methane in a solar volume-TRIC receiver-reactor: The CAESAR (Catalytically Enhanced Solar Absorption Receiver) project
[DE91-002340] 05 p0683 N91-13800
HOGAN, ROY E., JR.
Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish. 2: Modeling and analysis
[DE91-005859] 10 p1540 N91-18475
Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish
[DE91-005054] 10 p1544 N91-18497
HOGAN, W. J.
The Cascade inertial confinement fusion reactor concept
[DE91-013852] 20 p3420 N91-28966
HOGAN, WILLIAM J.
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010200] 08 p1169 N91-16437

Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010332] 08 p1226 N91-16759

HOGARTH, ROBIN M.
Decision making under uncertainty: The effects of role and ambiguity
[AD-A225771] 04 p0553 N91-13070
A theory of diagnostic inference
[AD-A230703] 12 p1932 N91-20629

HOGE, FRANK E.
Airborne oceanographic lidar participation in the US Joint Global Ocean Flux Study (JGOFS)
17 p2796 N91-25468
Aircraft remote sensing of phytoplankton spatial patterns during the 1989 Joint Global Ocean Flux Study (JGOFS) North Atlantic bloom experiment
17 p2800 N91-25493

HOGENDOORN, R. A.
Bayesian multi-sensor tracking for advanced air traffic control systems 02 p0177 N91-11003
Bayesian multi-sensor tracking for advanced air-traffic control systems
[NLR-MP-88056-U] 23 p3787 N91-31119

HOGENDORN, RENE A.
Bayesian track initiation by time-reversion of trajectory models
[NLR-TP-89043-U] 22 p3748 N91-30890

HOGG, C. R.
A survey of colour discrimination in German ophthalmologists: Changes associated with the use of lasers and operating microscopes
17 p2827 N91-25618

HOGG, D. E.
A survey of the properties of early-type galaxies
05 p0735 N91-14109

HOGLE, JAMES PHILLIP
A user-friendly graphics toolkit for network management
[AD-A225809] 04 p0562 N91-13120

HOGREFE, R. L.
Status of Argonne life evaluation of valve regulated lead-acid batteries
[DE90-011098] 08 p1132 N91-16229

HOH, JOSEPH F. Y.
Three hierarchies in skeletal muscle fibre classification allotype, isotype and phenotype
17 p2819 N91-25577

HOH, R. H.
Decision-height windows for decelerating approaches in helicopters: Pilot/vehicle factors and limitations
[DOT/FAA/CT-90/14] 19 p3103 N91-27145

HOH, ROGER H.
Determination of decision-height windows for decelerating IMC approaches in helicopters
15 p2372 N91-23124

HOHENSTEIN, K.
The behaviour of alumina-copper suspensions (TEXUS 3A and 3B) 23 p3844 N91-31433

HOHENSTEIN, W. G.
Global warming mitigation potential of three tree plantation scenarios
[PB91-159608] 17 p2809 N91-25528

HOHENWARTER, G. K.
Superconducting high T(sub c) thin film vortex-flow transistor, phase 1
[AD-A235025] 18 p3070 N91-26962

HOHENWARTER, G. K. G.
A Josephson junction to FET high speed line driver made of TlCaBaCuO
[DE90-017542] 04 p0590 N91-13295

HOHIMER, J. P.
Strained quantum well leaky-mode diode laser arrays
[DE91-009982] 15 p2433 N91-23477

HOINKA, KLAUS-PETER
On the airflow over the Alps during south Foehn
[DLR-FB-90-30] 15 p2468 N91-23676

HOJAJI, HAMID
Melt-processed bulk superconductors: Fabrication and characterization for power and space applications
15 p2542 N91-24082

HOJO, H.
Mode conversion of Alfven waves induced by quadrupole magnetic field modulation 20 p3413 N91-28924

HOJO, HITOSHI
Axial pressure profile effects on flute interchange stability in the tandem mirror GAMMA 10
[NIFS-98] 24 p4104 N91-32934

HOJO, MASAKI
A study on prediction of life due to creep behavior in CF/EPOXY and CF/PEEK laminates
11 p1674 N91-19226
Tension-tension and delamination fatigue properties of CF/Epoxy laminates 12 p1861 N91-20227

HOKIN, S.
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Edge electrostatic fluctuations and transport in the MST reversed field pinch
[DE91-015218] 21 p3588 N91-29959
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960

HOKIN, S. A.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535

HOLAHAN, PATRICIA K.
Interaction of ionizing radiation, genetically active chemicals, and radiofrequency radiation in human and rodent cells
[AD-A234747] 18 p3021 N91-26677

HOLBACK, BENGT
Activities report of the Swedish Institute of Space Physics
[ISSN-0284-169X] 03 p0450 N91-12513

HOLBERG, J. B.
Study of coronal and transition region structure in the contact binary 44i Boo through rotational modulation of the far-UV spectra 09 p1439 N91-17928

HOLCOMB, LEE
NASA information sciences and human factors program
[NASA-TM-4291] 18 p3097 N91-27119

HOLCOMB, LEE B.
A NASA initiative: Software engineering for reliable complex systems 10 p1568 N91-18623

HOLCOMB, STEPHEN
Damping studies of ceramic reinforced aluminum
[AD-A235965] 19 p3119 N91-27232

HOLCOMBE, C. E.
Analysis of aluminum oxide ceramic
[DE90-016517] 01 p0029 N91-10175
Characterization of silicon nitride synthesized by microwave heating
[DE91-012219] 20 p3323 N91-28397

HOLDAWAY, MARK ALLAN
Maximum entropy imaging of radio astrophysical data
02 p0287 N91-11610

HOLDEMAN, J. D.
A CFD study of jet mixing in reduced flow areas for lower combustor emissions
[NASA-TM-104411] 15 p2382 N91-23185
CFD analysis of jet mixing in low NOx flametube combustors
[NASA-TM-104466] 18 p2926 N91-26146
Experimental study of cross-stream mixing in a cylindrical duct
[NASA-TM-105180] 21 p3459 N91-29187

HOLDEMAN, JAMES D.
A numerical study of the hot gas environment around a STOVL aircraft in ground proximity
02 p0152 N91-10887
Mixing of multiple jets with a confined subsonic crossflow. Summary of NASA-supported experiments and modeling
[NASA-TM-104412] 16 p2561 N91-24202

HOLDEN, B. J.
Computer graphics in hardware-in-the-loop missile simulation 07 p1045 N91-15736

HOLDEN, KRITINA L.
Microgravity cursor control device evaluation for Space Station Freedom workstations 12 p1948 N91-20717
Developing the human-computer interface for Space Station Freedom 12 p1948 N91-20718

HOLDEN, T. M.
Residual stress measurement using the pulsed neutron source at LANSCE
[DE91-013494] 20 p3362 N91-28624

HOLDER, J. D.
Minilink II: Prototype of a miniature self-calibrating fiber optic analog data link
[AD-A224995] 04 p0582 N91-13248

HOLDER, MICHAEL D.
A low-cost infrared telemetry system for kilohertz-bandwidth data acquisition
[DE90-010616] 08 p1101 N91-16042
A graphical user-interface-driven waveform data acquisition and analysis system
[DE90-011948] 08 p1197 N91-16578

HOLDREN, J. P.
Theoretical studies of tokamaks
[DE90-011332] 08 p1228 N91-16768

HOLDRIDGE, MARK
Unattended network operations technology assessment study. Technical support for defining advanced satellite systems concepts
[NASA-CR-187080] 15 p2533 N91-24030

HOLDSWORTH, GEORGE
Importance of biological systems in industrial waste treatment potential application to the space station
07 p1080 N91-15943

HOLESINGER, T. G.
Phase equilibria in the Bi-Sr-Ca-Cu-O system near the Bi2Sr2Ca1Cu2(y) superconductor at 865 C in oxygen
[DE91-008831] 12 p1993 N91-20969

HOLGADO, M. C.
Microgravity, hypergravity, and aging: A unifying hypothesis 11 p1752 N91-19633

HOLIAN, K. S.
MESA: A 3-D Eulerian hydrocode for penetration mechanics studies
[DE91-013308] 20 p3360 N91-28613

HOLLA
The threat management for a modern fighter
[MBB/FE300/S/PUB/347] 04 p0480 N91-12678

HOLLADAY, J. A.
A distributed computer environment for a multimission spacecraft operations and control center
14 p2208 N91-22193

HOLLADAY, J. SCOTT
Development of an airborne sea ice thickness measurement system and field test results
[AD-A224867] 03 p0385 N91-12144

HOLLADAY, KENNETH W.
A superior edge preserving filter with a systematic analysis
[NASA-TM-4311] 19 p3231 N91-27862

HOLLAND, A.
Further proton damage effects in EEV CCDs
24 p3997 N91-32340

HOLLAND, C. R.
Portable intelligent diagnostic aids
[AD-A230883] 15 p2489 N91-23782

HOLLAND, D. F.
Evidences of trapping in tungsten and implications for plasma-facing components
[DE91-012734] 20 p3418 N91-28951

HOLLAND, FREDERIC A.
Thermomechanical and bithermal fatigue behavior of cast B1900 + Hf and wrought Haynes 188
[NASA-TM-4225] 12 p1869 N91-20268

HOLLAND, FREDERIC A., JR.
Comparison of Weibull strength parameters from flexure and spin tests of brittle materials
[NASA-TM-104414] 16 p2636 N91-24593

HOLLAND, G. J.
ONR tropical cyclone motion research initiative: Field experiment summary
[AD-A231152] 13 p2122 N91-21679

HOLLAND, JAMES A., II
Ocean thermal feature recognition, discrimination and tracking using infrared satellite imagery
[AD-A238138] 21 p3546 N91-29703

HOLLAND, K. P.
Fatigue and fracture of titanium aluminides
[AD-A226737] 07 p0979 N91-15374

HOLLAND, K. R.
The prediction and measurement of the one-parameter behaviour of horns
[ISVR-TR-185] 05 p0712 N91-13974
A low cost end-fire acoustic radiator
[ISVR-TR-188] 08 p1218 N91-16705

HOLLAND, O. W.
Ion-induced damage and amorphization in Si
[DE91-002358] 05 p0727 N91-14061
Dose rate effects on damage formation in ion-implanted gallium arsenide
[DE91-000394] 08 p1235 N91-16806

HOLLAND, SCOTT D.
Experimental investigation of a generic three-dimensional sidewall compression scramjet inlet at Mach 10 17 p2772 N91-25340

HOLLAND, SCOTT DOUGLAS
A computational and experimental investigation of a three-dimensional hypersonic scramjet inlet flow field
[NASA-CR-188788] 23 p3782 N91-31083

HOLLAND, V. M.
Techniques to aid DoD writers in developing user-oriented directives
[AD-A229962] 12 p1997 N91-20991

HOLLAND, W. R.
Design considerations for multi component molecular-polymeric nonlinear optical materials
[DE91-006778] 11 p1799 N91-19872

HOLLANDER, MYLES
Statistical aspects of reliability, maintainability, and availability
[AD-A234546] 18 p2996 N91-26546

HOLLANDERS, H.
Development of a computation code for nonequilibrium gas axisymmetric hypersonic laminar flow
[ONERA-RS-14/3637-AY] 23 p3869 N91-31585
Solution of perfect gas viscous flows via compressible Navier-Stokes equations with wallslip conditions
[ONERA-RSF-13/3637-AY] 24 p4013 N91-32435
Navier-Stokes flow calculations by an implicit non-centered method 24 p4013 N91-32436
HOLLAR, D. L., JR.
Resistance seam welding thin copper foils
[DE91-008988] 13 p2095 N91-21535
HOLLAWAY, L.
High-technology carbon-fibre/polyethersulphone composite for space applications
03 p0330 N91-11843
HOLLE, K. D.
Flight testing of a redundant FBW/FBL helicopter control system 04 p0486 N91-12703
HOLLE, RONALD L.
Surface wind convergence as a short-term predictor of cloud-to-ground lightning at Kennedy Space Center: A four-year summary and evaluation
24 p4064 N91-32703
Weak positive cloud-to-ground flashes in Northeastern Colorado 24 p4065 N91-32712
HOLLECK, GERHARD L.
Development of a nickel oxide/hydrogen multilayer bipolar battery for pulsed power, phase 2
[AD-A228388] 09 p1326 N91-17284
HOLLENBACH, D. J.
The submillimeter wave astronomy satellite
13 p2177 N91-22025
HOLLENBACH, DAVID
Dust coagulation in ISM 06 p0899 N91-14968
HOLLENBACH, DAVID J.
The Interstellar Medium in External Galaxies: Summaries of contributed papers
[NASA-CP-3084] 05 p0734 N91-14100
Physical conditions in photodissociation regions: Application to galactic nuclei 05 p0736 N91-14113
Far-infrared spectroscopy of NGC 6946, IC 342, and Arp 299 05 p0737 N91-14114
MHD shocks in the ISM 05 p0751 N91-14183
HOLLENBAUGH, ROGER
A candidate configuration for automated process monitoring
[DE90-010991] 09 p1348 N91-17406
HOLLENBERG, G. W.
The effects of neutron irradiation on the structure of carbon-carbon composites
[DE91-010135] 19 p3117 N91-27222
HOLLENBERG, J. B.
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
Hybrid fluid/kinetic descriptions of tokamak plasmas
20 p3407 N91-28888
HOLLER, J. K.
Optical inner-scale meter
[PB90-268285] 09 p1399 N91-17698
HOLLER, ROGER A.
Vehicle steering device
[AD-D014861] 18 p2994 N91-26537
HOLLINGS, ERNEST F.
National Aeronautics and Space Administration Authorization Act, fiscal year 1991
[S-REPT-101-455] 04 p0607 N91-13376
National Aeronautics and Space Administration Authorization Act, Fiscal Year 1992
[S-REPT-102-97] 19 p3263 N91-28048
HOLLINGSWORTH, MICHAEL
The design and fabrication of the Centaur neutral buoyancy trainer and related hardware
[NASA-CR-171944] 01 p0014 N91-10085
HOLLINGSWORTH, R.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
HOLLINGSWORTH, WILLIAM H., JR.
Design and fabrication of instrumented composite airfoils for a cryogenic wind tunnel model
[NASA-TM-102740] 04 p0536 N91-12971
HOLLISTER, WALTER
Traffic Alert and Collision Avoidance System (TCAS): Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[NASA-TM-104956] 14 p2191 N91-22102
Traffic Alert and Collision Avoidance System (TCAS). Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[AD-A236109] 19 p3104 N91-27147
HOLLNAGEL, ERIK
The design of error tolerant interfaces
14 p2220 N91-22270
HOLLOWAY, J.
Proceedings of the MEVTV Workshop on The Evolution of Magma Bodies on Mars
[NASA-CR-187357] 05 p0766 N91-14252
HOLLOWAY, J. S.
BiF/NF2 kinetics studies. Mechansim and conversion efficiency
[AD-A230222] 12 p1903 N91-20469
HOLLOWAY, JOHN S.
Direct observation of NF(X) using laser-induced fluorescence: Kinetics of the NF 3 Sigma - ground state
[AD-A228294] 08 p1155 N91-16362
Direct observation of NF(X) using laser induced fluorescence: Determination of H + NF2 branching ratio
[AD-A229444] 22 p3752 N91-30913
HOLLOWAY, MATTHEW
Making intelligent systems team players: Case studies and design issues. Volume 1: Human-computer interaction design
[NASA-TM-104738-VOL-1] 22 p3722 N91-30713
HOLLOWAY, SIDNEY E., III
Linear mass actuator
[NASA-CASE-LAR-14352-1] 24 p4028 N91-32511
HOLLSTEIN, MANFRED
Experience-based report of a system leader company
04 p0492 N91-12735
HOLLY, D.
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960
HOLLY, D. J.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535
HOLM, DARRYL D.
Order and chaos in polarized nonlinear optics
[DE90-016717] 01 p0122 N91-10721
HOLM, SVERRE
Design of a processing facility for synthetic aperture radar data at the Tromso ERS-1 ground station
13 p2029 N91-21161
HOLMAN, RICHARD
False-vacuum decay in generalized extended inflation
[NASA-CR-186419] 01 p0117 N91-10695
Plausible double inflation
[NASA-CR-188449] 16 p2697 N91-24934
Statistical mechanics of soft-boson phase transitions
[NASA-CR-188697] 20 p3402 N91-28858
HOLMAN, S.
Effects of UV-B and global climate change on Rice Research Plan
[PB91-109983] 09 p1361 N91-17478
HOLMES, A. R.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292
HOLMES, A. T.
Design considerations of a high expansion ratio hydrogen turbine 15 p2378 N91-23163
HOLMES, BRUCE
Challenges in aeronautical research for the 1990's
10 p1453 N91-18005
HOLMES, BRUCE J.
Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] 15 p2421 N91-23410
HOLMES, DOUGLAS I.
The pilot's associate: Exploiting the intelligent advantage 17 p2731 N91-25122
HOLMES, DOUGLAS SCOTT
Thin film thermometers and flowmeters for applications in liquid helium 01 p0045 N91-10265
HOLMES, G. L.
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407
HOLMES, H.
Visualization using a data flow-based paradigm
[DE91-013851] 20 p3386 N91-28763
HOLMES, HUGHES E.
Heats of explosion at low pressures, 2
[AD-A231020] 13 p2058 N91-21328
HOLMES, J. K.
A comparison of Manchester symbol tracking loops for block 5 applications 10 p1512 N91-18323
Open-loop frequency acquisition for suppressed-carrier biphase signals using one-pole arm filters
10 p1512 N91-18324
HOLMES, J. T.
Commercializing solar hydrogen production
[DE91-011232] 18 p2970 N91-26398
HOLMES, M.
Developments in icing test techniques for aerospace applications in the RAE Pyestock altitude test facility
23 p3796 N91-31173
HOLMES, MICHAEL
The development of perceptual/motor and cognitive performance measures under a high-G environment: A preliminary study
[AD-A231289] 13 p2127 N91-21709
HOLMES, N. C.
Properties of planetary fluids at high shock pressures and temperatures
[DE91-011195] 17 p2916 N91-26102
Equation-of-state from SiO2 aerogel Hugoniot data
[DE91-011480] 20 p3308 N91-28313
Shock-induced optical emission in Al2O3 at 200 GPa: Implications for shock temperature measurements in metals
[DE91-013584] 20 p3318 N91-28365
Shock compression of low-density microcellular materials
[DE91-013586] 20 p3363 N91-28628
HOLMES, V. H.
High-speed TV cameras for streak tube readout
[DE91-016081] 23 p3873 N91-31602
HOLMET, ANN-LISBETH RUUD
From Earth to space and back: Selected papers on Norwegian space activities
[NSC-REPT(90)2] 13 p2029 N91-21159
HOLMGREN, BRIAN W.
Software reusability: A study of why software reuse has not developed into a viable practice in the Department of Defense
[AD-A229551] 22 p3725 N91-30733
HOLMGREN, H.
Metals in biology: Technical details of quantum chemical ab initio calculations on ferrous and ferric iron-bis-glyoxal and iron-bis-dithiolene
[USIP-89-01] 14 p2297 N91-22700
HOLROYD, RICHARD
High pressure effects on the properties and reactions of excess electrons in hydrocarbons
[DE91-000578] 04 p0581 N91-13239
HOLSEN, JAMES N.
Post-flight characterization of optical system samples, thermal control samples, and detectors from LDEF experiment M0003, sub-experiments 6 and 13
16 p2721 N91-25068
HOLST, HARMUT
Procedure for determination of three-dimensional wind tunnel wall interferences and wall adaptation in compressible subsonic flow using measured wall pressures
[DLR-FB-90-46] 15 p2365 N91-23088
HOLST, T.
Low frequency noise in resonant Josephson soliton oscillators
[DE91-011911] 18 p2981 N91-26464
HOLST, TERRY L.
Computational Fluid Dynamics Program at NASA Ames Research Center 02 p0143 N91-10840
HOLSTE, JAMES C.
The 3-D laser anemometer study of compressible flow through orifice plates
[PB90-216771] 01 p0046 N91-10273
HOLSTEN, GUY V.
Phase transformations and microstructural evolution in aged Mn-Cu-based alloys
[AD-A232473] 15 p2403 N91-23305
HOLSTER, P.
The measurement and finite element analysis of the dynamic stiffness of non-uniform clearance, gas, thrust bearings
[DE90-015120] 02 p0217 N91-11214
HOLT, ALAN C.
Spaceport operations for deep space missions
14 p2203 N91-22166
HOLT, ERIC F.
Results of a pilot study: Target identification using computer visual simulation of laser-induced contrast sensitivity deficits
[AD-A232899] 16 p2632 N91-24568
HOLT, J. K.
Performance characteristics of an MHD (Magnetohydrodynamic) pilot plant electrostatic precipitator
[DE91-007218] 11 p1804 N91-19905
HOLT, M. W.
Localised symmetric instability: An initial value problem 15 p2468 N91-23672
HOLT, MARLA J.
Marketing for collegiate aviation education
[NIAR-91-18] 21 p3602 N91-30042

HOLT, R. G.
Rheological properties, shape oscillations, and coalescence of liquid drops with surfactants
13 p2063 N91-21357
HOLT, R. J.
Recent developments in laser-driven polarized sources
[DE91-006600] 10 p1529 N91-18419
HOLT, STEPHEN S.
High energy from space 24 p4119 N91-33023
HOLT, STEVEN E.
The evolution and structure of homogeneous stably stratified sheared turbulence 21 p3512 N91-29499
HOLTET, ANN-LIZBETH RUUD
Norway in space, 1989/1990: A short presentation of the Norwegian Space Centre and space related industry
[NSC-REPT(90)4] 07 p0949 N91-15209
HOLTHE, RAGNAR
Carbon fibre reinforced aluminium: Manufacturing and properties 03 p0332 N91-11859
HOLTKAMP, BERNHARD
Flexible cooperation in non-standard application environments
[AD-A226486] 05 p0707 N91-13940
DEMON: A media object model incorporating natural language descriptions for retrieval support
[AD-A226711] 06 p0885 N91-14893
HOLTON, DAVID
Convective instabilities in binary fluids
14 p2263 N91-22517
HOLTON, J. R.
The atmospheric effects of stratospheric aircraft: A current consensus
[NASA-RP-1251] 08 p1175 N91-16467
HOLTSLAG, A. A.
Boundary layer parameterization for a global spectral model
[AD-A235310] 18 p3012 N91-26635
HOLTSLAG, A. A. M.
Technical description of the high-resolution air mass transformation model at KNMI
[KNMI-TR-125] 15 p2463 N91-23646
HOLTZ, R. E.
Impact of high-critical-temperature superconductors on electromagnetic pump applications
[DE90-014809] 01 p0128 N91-10759
HOLTZ, ROBERT E.
Testing of a sodium heat pipe
[DE91-005834] 10 p1524 N91-18392
HOLTZBERG, F.
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
HOLTZCLAW, K. W.
Laboratory investigation of visible shuttle glow mechanisms 12 p1951 N91-20734
HOLYER, RON
A technique for feature labeling in infrared oceanographic images
[AD-A229909] 12 p1926 N91-20600
HOLZMAN, A. L.
Hybrid propulsion technology program
16 p2571 N91-24247
HOLZWARTH, T. J.
Surface and bottom temperature distribution for the Northeast continental shelf
[PB90-252172] 02 p0242 N91-11349
HOM, K.
Performance of multiple stream pulsed jet combustion systems
[DE91-012338] 21 p3473 N91-29259
A methodology for inhibiting the formation of pollutants in diesel engines
[DE90-011615] 21 p3526 N91-29584
HOMA, H.
Specular and diffuse scattering studies of multilayer interfaces
[DE91-016893] 24 p4111 N91-32978
HOMANN, E.
Shielded cables with optimal braided shields
[DE91-011303] 22 p3667 N91-30417
HOMER, G. DAVID
Hydrocarbon-fuel/combustion-chamber-liner materials compatibility
[NASA-CR-187104] 13 p2055 N91-21307
HOMMA, H.
The characterization of interface roughness and other defects in multilayers by x ray scattering
[DE91-007558] 11 p1808 N91-19929
HOMMA, J.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
HOMOKI, DAVID A.
Diverter decision aiding for in-flight diversions
[NASA-CR-182070] 04 p0480 N91-12677
HONDA, M.
Atmospheric neutrino fluxes
[DE90-508023] 02 p0295 N91-11656
HONDA, TOSHIO
Wear characteristics of bonded solid film lubricant under high load condition 16 p2641 N91-24616
HONEA, G.
High temperature seals between ceramic separation membranes and super-alloy housing
16 p2596 N91-24382
HONECY, FRANK S.
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates
11 p1671 N91-19209
Tribological properties of Ag/Ti films on Al2O3 ceramic substrates
[NASA-TM-103784] 11 p1674 N91-19224
HONEIN, TANIOS VICTOR
On heterogenization in elasticity
17 p2788 N91-25427
HONES, E. W.
Association of an auroral surge with plasma sheet recovery and the retreat of the substorm neutral line
[DE91-007351] 11 p1737 N91-19552
HONG, B. G.
Anomalous transport studies for heliotron/torsatron
10 p1600 N91-18823
Ion temperature gradient turbulence and coherent structures 20 p3408 N91-28890
HONG, BIN
Computational methods for bifurcation problems with symmetries on the manifold
[AD-A237146] 21 p3565 N91-29817
HONG, BYUNGSIK
Kaon-nucleus scattering 19 p3270 N91-28086
HONG, JIANG
CMOS fuzzy logic circuits in current-mode toward large scale integration 17 p2842 N91-25706
HONG, K.
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828
HONG, RUN-DI
Studies in the theory of semiconductors
09 p1409 N91-17754
HONG, WAN-SHICK
Reaction sintering of ZnO-Al2O3
[DE91-016254] 24 p3976 N91-32210
HONG, WILLIAM S.
IDA studies on natural space environmental effects on materials for SDIO
[AD-A237974] 21 p3538 N91-29660
HONGSEN, DENG
New technique of machining high precision mirror surface press roller
[AD-A237195] 22 p3657 N91-30354
HONIAT, R.
Solar simulated fluxes spectral analysis automation
07 p0958 N91-15272
HONIG, A.
A 1.5 to 4 kelvin detachable cold-sample transfer system: Application to inertially confined fusion with spin-polarized hydrogens fuels
[DE91-007763] 12 p1974 N91-20862
HONIG, H. J.
A fast parallel recognizer
[REPT-90-16] 02 p0257 N91-11429
HONMA, H.
Some topics of Navier-Stokes solvers
08 p1139 N91-16269
HONMA, KOZO
Experimental manufacturing of performance evaluation system for solid image sensor
[NAL-TM-591] 02 p0215 N91-11200
HONMA, MASAYUKI
Slant hot-wire inclination measurement using dual laser beams
[NAL-TR-1078] 13 p2088 N91-21491
HONMA, T.
Two-stage ion diode experiments on induction adder
11 p1801 N91-19884
HONNELL, R. E.
ZrO2 reinforced-MoSi2 matrix composites
[DE91-013074] 20 p3304 N91-28288
HONNORAT, C.
Reactive procedure based decision making for satellite control
[REPT-911-440-106] 15 p2389 N91-23221
HONNORAT, Y.
Materials and material systems for combined cycle engines 15 p2381 N91-23178
HONTZOPOULOS, E.
High brightness electron beam production by laser induced various order multiphoton photoeffects of gold
[DE91-009150] 13 p2092 N91-21514
HOOD, F. C.
Technology transfer quality assurance
[DE91-010009] 16 p2700 N91-24955
HOOD, L. L.
A probable approx. 2400 year solar quasi-cycle in atmospheric delta C-14 03 p0442 N91-12470
A mechanism involving solar ultraviolet variations for modulating the interannual climatology of the middle atmosphere 03 p0444 N91-12480
HOOD, RAY
NASA information sciences and human factors program
[NASA-TM-4291] 18 p3097 N91-27119
HOOD, ROBBIE
AMPR/SSMI data comparisons
24 p4057 N91-32665
HOOD, ROBBIE E.
The advanced microwave precipitation radiometer: A new aircraft radiometer for passive precipitation remote sensing 17 p2797 N91-25469
HOOD, VALERIE
ESA's international activities 07 p0947 N91-15197
HOOFMAN, R.
Properties of models which are complete for Hoare logic
[RUU-CS-90-1] 04 p0565 N91-13139
Linear logic, domain theory, and semi-functors
[RUU-CS-90-34] 23 p3910 N91-31830
A note on semi-adjunctions
[RUU-CS-90-41] 23 p3920 N91-31901
The linear decomposition of delta-squared models
[RUU-CS-91-04] 23 p3920 N91-31902
Continuous informations systems
[RUU-CS-90-25] 23 p3936 N91-31997
HOOGEBOOM, P.
Pre-study SAR processor for the ERS-1 data
[FEL-1989-B367] 07 p0995 N91-15462
HOOGEVEEN, J. A.
Minimizing maximum earliness and maximum lateness on a single machine
[CWI-BS-R9001] 02 p0252 N91-11398
Polynomial-time algorithms for single-machine multicriteria scheduling
[CWI-BS-R9008] 03 p0402 N91-12239
Analysis of Christofides' heuristic: Some paths are more difficult than cycles
[CWI-BS-R9005] 04 p0572 N91-13174
A new lower bound approach for single-machine multicriteria scheduling
[CWI-BS-R9026] 17 p2850 N91-25753
New lower and upper bounds for scheduling around a small common due date
[CWI-BS-R9030] 17 p2850 N91-25754
HOOGHIEMSTRA, G.
Strong law and central limit theorem for a process between maxima and sums
[REPT-90-35] 07 p1058 N91-15818
HOOGSTRATEN, J. A.
Building real-time simulators for space applications
15 p2452 N91-23587
HOOK, AUDREY A.
Ada software portability and level 2 system simulator integration issues
[AD-A233757] 18 p3039 N91-26773
HOOKE, ADRIAN J.
Future operations for space mission command and control 14 p2214 N91-22236
Keynote address: The implications of telescience
14 p2223 N91-22291
HOOKE, LYDIA RAZRAN
USSR Space Life Sciences Digest, issue 31
[NASA-CR-3922(37)] 22 p3713 N91-30669
HOOKER, JOHN
Mathematical programming and logical inference
[AD-A232955] 16 p2668 N91-24764
HOOKER, JOHN C.
Nonlinear systems dynamics in cardiovascular physiology: The heart rate delay map and lower body negative pressure 18 p3093 N91-27095
HOOKER, R. J.
Dynamic behavior of pneumatic tyres
[BU-412] 11 p1717 N91-19453
HOOPER, C. F., JR.
Effects of electric microfields on argon dielectronic satellite spectra in laser-produced plasmas
[DE91-011445] 17 p2869 N91-25868
HOOPER, E. B.
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699

Characterization of disruptions in the Microwave Tokamak Experiment (MTX)
[DE90-010352] 08 p1227 N91-16761
Physics study of the application of an IFEL (Induction-Accelerator Free-Electron Laser) to CIT
[DE91-004993] 10 p1527 N91-18411
Microwave-generated plasma thruster
[DE91-013131] 20 p3417 N91-28948

HOOPER, E. G.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547

HOOPER, E. H.
Beechcraft starship strength certification
16 p2645 N91-24643

HOOPER, S. J.
Local delamination in laminates with angle ply matrix cracks. Part 1: Tension tests and stress analysis
[NASA-TM-104055] 20 p3305 N91-28293

HOOPER, STEVE
Environmental effects on delamination of graphite epoxy composites 10 p1454 N91-18014

HOOPER, STEVEN J.
Edge delamination of composite laminates subject to combined tension and torsional loading
04 p0594 N91-13318
Analysis of commuter aircraft seat-type structures in a crash environment 16 p2554 N91-24162
The effects of freeze/thaw cycles on bonded joints and composite materials 16 p2555 N91-24164

HOOTON, WILLIAM L.
Optical digital image storage system
[PB91-191791] 14 p2341 N91-22944

HOOVER, DONALD R.
Bounds on expectations of order statistics for dependent samples
[AD-A225500] 04 p0576 N91-13204
Simultaneous comparisons of multiple treatments to two (or more) controls
[AD-A231079] 14 p2320 N91-22816

HOOVER, DOUG N.
Verification of floating-point software
09 p1378 N91-17577
C formal verification with unix communication and concurrency 09 p1379 N91-17578

HOOVER, H. H.
LES-8/9 spectrum-survey techniques
[AD-A230092] 12 p1881 N91-20341

HOOVER, M. D.
Potential health risks from postulated accidents involving the Pu-238 RTG (Radioisotope Thermoelectric Generator) on the Ulysses solar exploration mission
[DE91-007142] 11 p1796 N91-19857

HOOVER, RICHARD
Variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-2] 05 p0733 N91-14096

HOOVER, RICHARD B.
Water window imaging x ray microscope
[NASA-CASE-MFS-28485-1] 07 p1005 N91-15519
The ultra high resolution XUV spectroheliograph: An attached payload for the Space Station Freedom
[NASA-CR-184156] 14 p2235 N91-22365
X ray imaging microscope for cancer research
14 p2356 N91-23030

HOPCROFT, JOHN E.
A program of continuing research on representing, manipulating, and reasoning about physical objects
[AD-A239596] 23 p3881 N91-31659

HOPE, A.
Effects of weightlessness (sea water immersion) on body fluid balance and CNS functions
15 p2449 N91-23566

HOPF, CH.
Characteristics of return stroke electric fields produced by lightning flashes at distances of 1 to 15 kilometers
24 p4048 N91-32615

HOPKINS, A. STEWART
General Rotorcraft Aeromechanical Stability Program (GRASP): Theory manual
[NASA-TM-102255] 05 p0677 N91-13762

HOPKINS, D. A.
Adaptation of NASA technology for the optimization of orthopedic knee implants 14 p2356 N91-23032

HOPKINS, DALE A.
Computational simulation of propulsion structures performance and reliability 12 p1639 N91-20106

HOPKINS, DOUGLAS C.
Current limiting remote power control module
10 p1630 N91-18987

HOPKINS, HARRY
Investigation of direct and indirect optimization algorithms for aerospace structures
[AD-A230549] 12 p1855 N91-20194

HOPKINS, RICHARD A.
Fluid quantity gaging
[NASA-CR-185516] 16 p2631 N91-24566

HOPKINS, W. G.
Immiscible alloy system Al-Pb (TEXUS 7)
23 p3842 N91-31422

HOPKINSON, GORDON R.
Space radiation effects on CCDs
24 p3997 N91-32339

HOPPE, DAVID T.
High pressure water jet cutting and stripping
14 p2358 N91-23047

HOPPE, UWE
Chemical treatment of aluminum alloy powder surfaces
[DLR-FB-90-21] 03 p0342 N91-11917

HOPPER, DAVID JOHN FREDERICK
Active control of V/STOL aircraft
19 p3107 N91-27166

HOPPER, R. W.
Plane Stokes flow driven by capillarity on the free surfaces of a doubly-connected region
[DE91-008627] 12 p1899 N91-20444

HOPSON, M.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296

HOPSON, PURNELL, JR.
Fiber optic microphone
[NASA-CASE-LAR-14402-1-CU]
07 p1068 N91-15874

HOPWOOD, S. T.
The application of Particle Image Velocimetry (PIV) in a short duration transonic annular turbine cascade
[AD-A236639] 20 p3341 N91-28504

HOQUE, M. S.
Simulated rotor test apparatus dynamic characteristics in the 80- by 120-foot wind tunnel
[NASA-TM-102870] 07 p0939 N91-15147

HORACK, J. M.
Development of the Burst and Transient Source Experiment (BATSE)
[NASA-RP-1268] 23 p3938 N91-32006

HORAK, OTHMAR
Cs-137 soil to plant transfer studies and their implications on parameters used in the Austrian version of ECOSYS
[OEFZS-4563] 17 p2816 N91-25566

HORAN, GARY C.
The role of time-limited dispatch operation in fault-tolerant flight critical control systems
04 p0483 N91-12687

HORCH, E.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848

HORDIJK, A.
Discounted dynamic programming. Part 3: Successive approximation
[TW-89-14-PT-3] 01 p0110 N91-10640
Discounted dynamic programming. Part 4: Accelerated successive approximation
[TW-90-03-PT-4] 01 p0110 N91-10641
Discounted dynamic programming. Part 5: Modified policy iteration
[TW-90-04-PT-5] 01 p0110 N91-10642
On the relation between recurrence and ergodicity properties in denumerable Markov decision chains
[TW-91-02] 23 p3923 N91-31918

HORDIJK, ARIE
On the shortest queue policy for the tandem parallel queue
[TW-90-08] 14 p2320 N91-22811

HORDINSKY, J. R.
Utilization of emergency medical kits by air carriers
[AD-A234784] 18 p3029 N91-26721

HORDONNEAU, ALAIN
Ceramics in aerospace
[REPT-911-430-127] 15 p2395 N91-23260

HORIGUSHI, K.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220

HORII, KENJI
Energy converter from laser energy to electricity using plasma as a medium: The separation of ions by the medium 19 p3248 N91-27966
Characteristics of corona-preionized UV TEA laser
19 p3249 N91-27967
The electric field changes and UHF radiations caused by the triggered lightning in Japan
24 p4055 N91-32652
Discussions on a long gap discharge to an EHV transmission tower by a rocket triggered lightning experiment 24 p4055 N91-32654

HORIKAWA, YASUSHI
JEM ground control system 14 p2211 N91-22210

HORIOKA, KAZUHIKO
Experiments toward the development of new pulsed ion diodes 11 p1801 N91-19885
Soft x ray emission and diagnosis from fiber pinch and conductive thin film liner compression plasma
19 p3248 N91-27964

HORITA, E.
Fully abstract denotational models for nonuniform concurrent languages
[CWI-CS-R9027] 10 p1573 N91-18654

HORIUCHI, R.
Self-organizing processes in magnetically confined plasma 20 p3406 N91-28883

HORIUCHI, RITOKU
Particle simulation on the tilt stabilization of the FRC plasma 20 p3412 N91-28917

HORKACHUCK, MIKE
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697

HORKOVICH, JAMES ANDREW
Numerical solutions for a cylindrical laser diffuser flow-field 07 p0935 N91-15127

HORN, ANCEL DAN
Improvements in data acquisition technology for maintenance management systems
[PB91-164418] 22 p3766 N91-30993

HORN, F.
The Liquid Annular Reactor System (LARS) propulsion
[DE91-010972] 17 p2863 N91-25832

HORN, FREDERICK
The Liquid Annular Reactor System (LARS) propulsion
14 p2199 N91-22145

HORN, GEORGE M.
Glossary of AWS acrinabs: Acronyms, initialisms, and abbreviations commonly used in air weather service
[AD-A233009] 16 p2699 N91-24947

HORN, K. M.
Application of the nuclear microprobe to the imaging of single event upsets in integrated circuits
[DE91-014701] 21 p3504 N91-29447

HORN, P.
LOOPUS Mob-D: System concept for a public mobile satellite system providing integrated digital services for the Northern Hemisphere from an elliptical orbit
[MBB-UK-0032-90-PUB] 07 p0996 N91-15467

HORN, ROGER D.
Prediction of helicopter simulator sickness
[DE90-016530] 06 p0853 N91-14710

HORN, W. J.
Comparison of the post-buckling behavior of metallic and composite plates with centrally located cu touts
[PB91-118844] 13 p2101 N91-21563

HORN, WALTER J.
A comparison of the post-buckling behavior of metallic and composite plates with centrally located cutouts
[IAR-89-11] 07 p1020 N91-15602

HORNA, ANDRES FERNANDO PAREDES
Development of an interactive data base with elements generated by sweeping for a CAD system
[INPE-5118-TDL/420] 14 p2304 N91-22732

HORNADY, R. S.
Materials impurity analysis by means of nuclear resonance reactions
[DE91-001758] 05 p0635 N91-13520

HORNE, MICHAEL P.
Innovative methodology for cancelling contaminating noise in turbulent fluid flow environments
[AD-A227028] 06 p0826 N91-14567

HORNE, MICHAEL PAUL
Physical and computational investigation of the wall pressure fluctuations in a channel flow
10 p1523 N91-18385

HORNE, W. CLIFTON
Acoustic and aerodynamic study of a pusher-propeller aircraft model
[NASA-TP-3040] 13 p2147 N91-21828
Aeroacoustic and aerodynamic applications of the theory of nonequilibrium thermodynamics
[NASA-TP-3118] 17 p2774 N91-25352

HORNE, W. E.
Burst annealing of high temperature GaAs solar cells
11 p1668 N91-19196
Radioisotope thermal photovoltaic application of the GaSb solar cell 11 p1671 N91-19210

HORNE, WARREN L.
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB]
06 p0787 N91-14357

HORNECK, G.
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF
16 p2725 N91-25096

HORNER, G. S.
InP/Ga0.47In0.53As monolithic, two-junction, three-terminal tandem solar cells
11 p1668 N91-19191
HORNER, JOSEPH L.
Clutter effects on optical correlators
[AD-A229921] 12 p1980 N91-20893
HORNET, D.
Neutral buoyancy and microgravity: Extravehicular activities with a humid water suit
15 p2451 N91-23579
HORNIK, KURT
Neural network representation and learning of mappings and their derivatives
13 p2140 N91-21780
HORNUNG, E.
Non-linear vibration of large, imperfect space structures
02 p0160 N91-10930
Non-linear vibration of large, imperfect space structures
[MBB-UO-0080-90-PUB] 03 p0320 N91-11788
HOROWITZ, MARK A.
Microsupercomputers: Design and implementation
[AD-A228741] 08 p1196 N91-16571
Microsupercomputers: Design and implementation
[AD-A228744] 08 p1196 N91-16572
Microsupercomputers: Design and implementation
[AD-A233155] 16 p2666 N91-24748
HOROWITZ, PAUL
Computing and data processing
24 p4120 N91-33028
HOROWITZ, STANLEY A.
Flying hours and aircrew performance
[AD-A228582] 09 p1371 N91-17535
HORRIGAN, DAVID J.
Analysis of the individual risk of altitude decompression sickness under repeated exposures
12 p1949 N91-20722
HORSEMAN, NICOLA J.
The inviscid secondary instability of fully nonlinear longitudinal vortex structures in growing boundary layers
[NASA-CR-187455] 01 p0004 N91-10021
HORST, ALBERT W.
Experimental hypervelocity firings using stick and granular propellant configurations
[AD-A238628] 21 p3493 N91-29384
HORST, R.
Fault-tolerant computing: An overview
[NASA-CR-188793] 21 p3557 N91-29769
HORST, RICHARD L.
Development of a test-bed for real-time monitoring of pilot mental status
08 p1194 N91-16563
HORST, U.
Special refractive index profiles in glasses obtained by ion exchange (TEXUS 19) ESA
23 p3831 N91-31369
HORSTMAN, C. C.
Turbulence modeling for sharp-fin-induced shock wave/turbulent boundary-layer interactions
[NASA-TM-102828] 05 p0658 N91-13652
HORTA, LUCAS G.
The Langley Research Center CSI phase-0 evolutionary model testbed-design and experimental results
[NASA-TM-102762] 10 p1536 N91-18455
A velocity command stepper motor for CSI application
[NASA-TM-102765] 10 p1536 N91-18456
Active vibration absorber for CSI evolutionary model: Design and experimental results
[NASA-TM-104048] 13 p2104 N91-21578
Identification of observer/Kalman filter Markov parameters: Theory and experiments
[NASA-TM-104069] 17 p2790 N91-25437
HORTON, J. A.
TEM in-situ straining of B2 compounds
[DE91-012062] 18 p2958 N91-26322
HORTON, L. L.
Formation and annealing behavior of an amorphous layer induced by tin implantation into sapphire
[DE91-015929] 24 p4108 N91-32960
HORTON, LINDA L.
Meetings on the structure and properties of implanted ceramics
[DE90-017313] 01 p0030 N91-10181
HORTON, W.
Effects of compressibility, diamagnetic drift, and thermal conduction on resistive ballooning modes in the second stability regime
[DE90-017618] 04 p0583 N91-13254
Modelling of drift wave turbulence with a finite ion temperature gradient
[DE91-004301] 07 p1069 N91-15879
Anomalous transport studies for heliotron/torsatron
10 p1600 N91-18823
Stabilities of regular motion in the relativistic standard map
[NIFS-73] 13 p2157 N91-21894
Regular motion and symmetry in the relativistic standard map
20 p3414 N91-28933
Transport profiles induced by radially localized modes in tokamak
[DE91-014366] 20 p3420 N91-28964
Nonlinear dynamics of the relativistic standard map
[DE91-014368] 20 p3421 N91-28972
Stability of drift-wave modons in the presence of temperature gradients
[DE91-014364] 20 p3422 N91-28982
HORVITZ, A. H.
Earth System Monitor, Volume 1, Number 1, June 1990
[PB90-215146] 01 p0135 N91-10799
HORWEDEL, B. M.
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544
SIGNIF and GENFMT, SAS macros for computing and reporting significant digits
[DE91-007702] 11 p1785 N91-19795
HORWEDEL, J. E.
SIGNIF and GENFMT, SAS macros for computing and reporting significant digits
[DE91-007702] 11 p1785 N91-19795
GRESS: A preprocessor for sensitivity studies on FORTRAN programs
[DE91-009561] 13 p2134 N91-21751
HORWITZ, A.
Nonlinear optics technology. Volume 2: Phase conjugated optical communication link, phase 3
[AD-A233534] 17 p2863 N91-25835
HORWITZ, G.
Supersymmetric matter at finite temperature
15 p2498 N91-23836
HORWITZ, JUDITH ANN
Nonlinear stability of a viscous axisymmetric jet
09 p1331 N91-17313
HORZ, FRIEDRICH
Preliminary results from the chemistry of micrometeoroid experiment (AO 187-1)
16 p2711 N91-25005
M and D SIG progress report: Laboratory simulations of LDEF impact features
16 p2713 N91-25013
Preliminary micrometeoroid and debris effects on LDEF thermal control surfaces
16 p2713 N91-25014
HOSEY, M.
The superconducting gravity gradiometer
23 p3894 N91-31734
HOSHINA, YOSHIKAZU
Soft x ray emission and diagnosis from fiber pinch and conductive thin film liner compression plasma
19 p3248 N91-27964
HOSHINO, H.
Two- and three-dimensional behavior of Rayleigh-Taylor and Kelvin-Helmholtz instabilities
[NIFS-61] 10 p1602 N91-18839
HOSHINO, HIDEO
An experimental study of a three-dimensional swept-back wing with suction laminar-flow-control
[NAL-TR-1072] 13 p2020 N91-21113
HOSHINO, K.
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956
HOSHINO, MASAHIRO
Relativistic shock waves and the excitation of plerions
[DE91-007623] 15 p2532 N91-24027
HOSKING, F. M.
Solderability of environmentally exposed Sn-plated surfaces
[DE91-000035] 02 p0198 N91-11110
Solderability and environmental testing of Sn-plated surfaces
[DE91-004035] 07 p0979 N91-15371
Fluxless laser soldering of radar housings
[DE91-005223] 10 p1528 N91-18414
Residual stresses in metal/ceramic brazes: Effect of creep on finite element analysis results
[DE91-011233] 18 p3000 N91-26570
Microstructural characterization of solders and brazes for advanced packaging technology
[DE91-011503] 20 p3320 N91-28379
Fluxless soldering of Ni-Au plated Kovar with a laser
[DE91-013261] 20 p3332 N91-28451
Lead-free solders for electronics applications: Wetting analysis
[DE91-014900] 21 p3483 N91-29320
Graphite-metal brazing for thermal applications
[DE91-016647] 24 p4106 N91-32944
HOSKINS, BRAD R.
Early focus development effort, ultrasonic inspection of fixed housing metal-to-adhesive bondline
[NASA-CR-184143] 14 p2273 N91-22573
HOSKINS, DOUGLAS ALAN
Neural network based model reference adaptive control
23 p3917 N91-31877
HOSMAN, R. J. A. W.
Visual-vestibular interaction in pilot's perception of aircraft or simulator motion
03 p0316 N91-11786
HOSMER, FELL
Canonical eigenvalues. Part 2: Application to one-layer, bounded, underwater acoustic ducts
[AD-A227451] 08 p1213 N91-16677
HOSNI, M. H.
Investigations of surface roughness effects on turbulent flow and heat transfer
[AD-A229979] 12 p1895 N91-20422
HOSNI, MOHAMMAD HOSEIN
Measurement and calculation of surface roughness effects on turbulent flow and heat transfer
02 p0212 N91-11183
HOSOE, NOBUYUKI
Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003
HOSOKAWA, IWAO
Numerical simulation of thermal convection in a rectangular duct flow
24 p3947 N91-32062
HOSOYA, AKIO
How many times do we have in quantum gravity
[DE91-744973] 11 p1819 N91-19991
HOSSAIN, MOHAMMAD A.
A comparison of three prospective analytical methods for benzene analysis in jet fuel environments
[AD-A227489] 08 p1122 N91-16170
HOSSENLOPP, I. A.
Determination of ideal-gas enthalpies of formation for key compounds: The 1988 project results
[DE90-000247] 01 p0134 N91-10791
HOSTERMAN, J. W.
World nonbauxite aluminum resources excluding alunite
[PB91-137745] 17 p2801 N91-25495
HOSTERMAN, KENNETH C.
Postlanding optimum designs for the assured crew return vehicle
10 p1475 N91-18126
HOTA, NAVEEN
BaRT manual version 3.0
[AD-A234528] 18 p3040 N91-26784
HOTES, DEBORAH
Effects of dust accumulation and removal on radiators surfaces on Mars
[NASA-TM-103704] 12 p1858 N91-20204
HOTHEM, LARRY D.
Test and demonstration of GPS satellite survey systems
[NASA-CR-187685] 09 p1296 N91-17116
Test and demonstration of three dual-frequency (L1/L2) GPS satellite survey systems
[NASA-CR-187727] 09 p1297 N91-17117
HOTHERSALL, DAVID C.
Long-distance sound propagation over discontinuous impedances
08 p1215 N91-16688
HOU, LIN-JUN
Periodic trim solutions with hp-version finite elements in time
[NASA-CR-187705] 05 p0622 N91-13449
HOU, P. Y.
Study of the effect of reactive element addition by implanting metal ions in a pre-formed oxide layer
[DE91-011916] 18 p3072 N91-26974
HOU, TAN-HUNG
Thermoplastic polyimide NEW-TPI (trademark)
[NASA-CR-187445] 03 p0325 N91-11809
An improved compression molding technology for continuous fiber reinforced composite laminate. Part 1: AS-4/LaRC-TPI 1500 (HFG) Prepreg system
[NASA-CR-187572] 19 p3136 N91-27329
HOU, THOMAS Y.
Convergence of the point vortex method for the 3-D Euler equations
[AD-A231285] 13 p2083 N91-21479
HOU, YU-TAI
Cloud-radiation-dynamics interaction
09 p1366 N91-17505
HOUBEN, GERARD JOHAN PETER MARIE
An algebra and a message oriented language for a data model based on complex objects
[ETN-91-99163] 14 p2309 N91-22760
HOUBEN, HOWARD C.
Diurnal forcing of planetary atmospheres
[NASA-CR-188779] 22 p3775 N91-31056
HOUBOLT, JOHN C.
Manual on the flight of flexible aircraft in turbulence
[AGARD-AG-317] 18 p2927 N91-26150
HOUCK, JACOB A.
Hot-bench simulation of the active flexible wing wind-tunnel model
[NASA-TM-102758] 13 p2026 N91-21144

Development, simulation validation, and wind tunnel testing of a digital controller system for flutter suppression 14 p2230 N91-22336

HOUCK, JAMES
Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017
Infrared astronomy 24 p4119 N91-33019

HOUCK, T.
A chopper driven 11.4-GHz traveling-wave RF generator
[DE91-013568] 20 p3339 N91-28489

HOUCK, T. L.
Relativistic klystron research for future linear colliders
[DE91-008063] 11 p1797 N91-19862

HOUDEBINE, E.
Circumstellar magnetic activity, flares and mass ejections in young stars 10 p1619 N91-18930

HOUDJAL, R.
Real time actuating of laser power and scanning velocity for thermal regulation during laser hardening
[ETN-91-99908] 23 p3878 N91-31636

HOUDRE, CHRISTIAN
On the spectral SLLN and pointwise ergodic theorem in L alpha
[AD-A225960] 04 p0573 N91-13180

HOUGARDY, HANS P.
Possibilities of the calculation of stresses and residual stresses in materials with a phase transformation 05 p0640 N91-13548

HOUGH, J. H.
A two micron polarization survey toward dark clouds 06 p0896 N91-14952

HOUGH, PAUL G.
Impacts of advanced manufacturing technology on parametric estimating
[AD-A228232] 08 p1124 N91-16177

HOUGH, ROBBIN R.
A proposal to extend our understanding of the global economy 07 p1025 N91-15627

HOUGHTON, F. KAY
CD-ROM (Compact Disc-Read Only Memory): A delivery medium for CBT (Computer-Based Training)
[DE91-004831] 09 p1375 N91-17555

HOULBERG, W. A.
Numerical analysis of the relationship between local transport and global confinement in tokamaks 10 p1599 N91-18822
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946

HOULSBY, G. T.
A novel isoparametric finite element displacement formulation for axisymmetric analysis of nearly incompressible materials
[OUEL-1872/91] 11 p1784 N91-19791

HOUPIS, J. L. J.
Ozone and acid-precipitation on western coniferous forests
[DE90-011014] 08 p1174 N91-16462

HOUSE, F. A.
Zonal deformable mirror for laser wavefront control
[DE91-017085] 24 p4023 N91-32483

HOUSER, DONALD R.
Non-linear dynamic analysis of geared systems
[NASA-CR-4338] 05 p0672 N91-13737

HOUSER, R. M.
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649

HOUSTON, A. GLEN
RICIS 1987 Symposium. Executive summary
[NASA-CR-187906] 10 p1567 N91-18616

HOUSTON, J. E.
Adhesion at ceramic interfaces
[DE91-001660] 06 p0811 N91-14480
Interfacial force sensor with force-feedback control
[DE91-004897] 18 p2988 N91-26495

HOUSTON, JOHNNY L.
A three-dimensional application with the numerical grid generation code: EAGLE (utilizing an externally generated surface) 04 p0595 N91-13319

HOUSTON, PAUL L.
Reactions of hydrogen atoms important to the decomposition of energetic materials
[AD-A238482] 21 p3576 N91-29890

HOUTEKAMER, GILLES ELIZA
Measuring and modelling disk I/O subsystems
[ISBN-90-6275-567-4] 20 p3382 N91-28736

HOUTSMA, MAURICE A. W.
Distributed transitive closure computations: The disconnected set approach
[MEMO-INF-89-12] 03 p0405 N91-12254
A survey of parallel execution strategies for transitive closure and logic programs
[MEMO-923] 22 p3739 N91-30831
Parallel hierarchical evaluation of transitive closure queries
[MEMO-924] 22 p3740 N91-30832

HOUTSMA, MAURICE ANTONIUS WILHELMUS
Data and knowledge base management systems: Data model and query processing
[ISBN-90-9003107-3] 03 p0402 N91-12235

HOUTZ, M. J.
Characterization of Acetylene Terminated Sulfone (ATS) resin. Part 2: Thermal analysis of the resin
[NIAR-91-7-PT-2] 16 p2604 N91-24425

HOVENAC, EDWARD A.
The internal caustic structure of illuminated liquid droplets
[NASA-CR-187194] 24 p4021 N91-32474

HOVER, G. L.
Evaluation of night vision goggles for maritime search and rescue
[AD-A233798] 18 p3035 N91-26751
Evaluation of night vision goggles for maritime search and rescue. Volume 2: Data appendix
[AD-A229393] 22 p3719 N91-30702

HOWARD, CHARLES C.
Design of an interactive satellite communications system analysis program
[AD-A237030] 20 p3333 N91-28459

HOWARD, CHARLES D.
Aerial flare and igniter
[AD-D014940] 22 p3655 N91-30342

HOWARD, D. J.
In situ TEM studies of the growth of strained Si(1-x)Ge(x) by solid phase epitaxy
[DE91-007278] 11 p1807 N91-19926

HOWARD, DAVID E.
Control circuitry using electronic emulation of a synchro signal for accurate control of position and rate of rotation for shafts
[NASA-CASE-MFS-28458-1] 18 p2980 N91-26459

HOWARD, E. M.
Why engineers must know and manage organizational culture
[DE91-012425] 20 p3437 N91-29071

HOWARD, FRANK S.
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] 06 p0814 N91-14495

HOWARD, I. M.
The detection of seeded faults in an epicyclic gearbox by signal averaging of the vibration
[ARL-PROP-R-183] 07 p1013 N91-15560
An investigation of vibration signal averaging of individual components in an epicyclic gearbox
[ARL-PROP-R-185] 22 p3688 N91-30534

HOWARD, J. B.
Aromatics oxidation and soot formation in flames
[DE91-010262] 17 p2757 N91-25259

HOWARD, KIPP E.
The power induced effects module: A FORTRAN code which estimates lift increments due to power induced effects for V/STOL flight
[NASA-CR-188081] 22 p3612 N91-30095

HOWARD, MATTHEW K.
Testing the sun-climate connection with paleoclimate data 03 p0441 N91-12468

HOWARD, R. P.
Nonintrusive nitric oxide density measurements in the NASA Langley arc-heated scramjet engine test facility
[AD-A231260] 13 p2026 N91-21142

HOWARD, RICHARD A.
User interface to an ICAI system that teaches discrete math
[AD-A232693] 15 p2492 N91-23799

HOWARD, RICHARD T.
Standard remote manipulator system docking target augmentation for automated docking
[NASA-CASE-MFS-28419-1] 19 p3113 N91-27200

HOWARD, ROBERT G.
Multiplel channel automatic concentration meter
[AD-D014832] 16 p2598 N91-24394

HOWARD, S.
A simulation survey of galaxy interactions 08 p1259 N91-16936
M51's spiral structure 08 p1260 N91-16938

HOWARD, SAMUEL MOSS
Transient stress waves in trusses and frames 03 p0376 N91-12102

HOWARD, SETHANNE
M51: The Whirlpool Galaxy, analysis and simulation 02 p0291 N91-11631

HOWARD, W. MICHAEL
Nuclear structure calculations for astrophysical applications
[DE90-016433] 01 p0139 N91-10818
A new site for the astrophysical gamma-process
[DE90-017519] 02 p0292 N91-11635

HOWARTH, M. J.
Current meter records. Site F: 52 degrees 37 minutes N, 03 degrees 46 minutes E. August 1988 - September 1989. North Sea project
[REPT-11-1990] 17 p2816 N91-25561
Current meter records. Site E: 52 degrees 43 minutes N, 02 degrees 25 minutes E. August 1988 - September 1989. North Sea project
[REPT-12-1990] 17 p2816 N91-25562
Current meter records. Site B: 55 degrees 30 minutes N, 05 degrees 31 minutes E. August 1988 - September 1989. North Sea project
[REPT-13-1990] 17 p2816 N91-25563

HOWARTH, NEIL A.
Does the far-infrared/radio correlation in spiral galaxies extend to the spatial domain 06 p0901 N91-14985

HOWARTH, WILLIAM GUY
Radio absorption in the Antarctic ionosphere: Some observations in the region of the midlatitude trough 20 p3374 N91-28694

HOWE, CHARLES W.
The effects of global climate change on Southeast Asia: A survey of likely impacts and problems of adaptation 14 p2282 N91-22621

HOWE, DAVID A.
Modeling and control design of a wind tunnel model support
[NASA-TM-103829] 06 p0822 N91-14540
Characterization of clocks and oscillators
[PB91-100909] 14 p2266 N91-22539

HOWE, H. C.
Physics models in the toroidal transport code PROCTR
[DE91-000519] 07 p1069 N91-15881
Numerical analysis of the relationship between local transport and global confinement in tokamaks 10 p1599 N91-18822

HOWE, JAMES M.
Fundamentals of mechanical behavior in intermetallic compounds
[AD-A235016] 18 p2954 N91-26301

HOWE, JOHN B.
Rotating multicylinder method for the measurement of cloud liquid-water content and droplet size
[AD-A234780] 18 p3014 N91-26644

HOWE, JOHN T.
Hypervelocity atmospheric flight: Real gas flow fields
[NASA-RP-1249] 12 p1894 N91-20418
Estimates of thermochemical relaxation lengths behind normal shock waves relevant to manned lunar and Mars return missions, the aeroassist flight experiment, and Mars entry
[NASA-TM-102879] 13 p2082 N91-21471

HOWE, M. A.
Structure of molten salts
[DE90-017704] 02 p0278 N91-11566

HOWE, R. M.
Hypersonic aerodynamics and control
[AD-A225058] 03 p0301 N91-11678

HOWE, S. D.
Nuclear data needs for the space exploration initiative
[DE91-013231] 21 p3462 N91-29200

HOWELL, BARBARA
Acoustic behavior of negative Poisson's ratio materials
[AD-A235695] 19 p3138 N91-27340

HOWELL, BARBARA F.
Influence of expanding monomer on carbon fiber reinforced epoxy composites
[AD-A223277] 01 p0021 N91-10124

HOWELL, C. R.
Fabrication and mechanical properties of Fe3Al-based iron aluminides
[DE91-001001] 04 p0505 N91-12802
Properties of large heats of Fe3Al-based alloys
[DE91-013268] 20 p3317 N91-28359
The P/M processing and applications of Fe3Al-based intermetallics
[DE91-015309] 22 p3651 N91-30317

HOWELL, DANA L.
Integrated Electromagnetic System Simulator (IESS) post run analysis with DECALC/DECGRAPH and a truth data formatting program written in FORTRAN
[AD-A226116] 04 p0515 N91-12866

HOWELL, E. S.
CCD photometry of 2060 Chiron, 1991 January 17 p2892 N91-25987
Near-infrared observations of primitive asteroids and a possible extinct comet 17 p2905 N91-26041

HOWELL, H. B.
Multi-spectral window radiance observations of Cirrus from satellite and aircraft, November 2, 1986 Project FIRE 01 p0078 N91-10465

HOWELL, J.
Calculation of pressure distribution in vacuum systems using a commercial finite element program
[DE91-013611] 20 p3363 N91-28629

HOWELL, J. A.
An application of neural networks to process and materials control
[DE91-016016] 23 p3918 N91-31886
HOWELL, L. H.
An efficient second-order projection method for viscous incompressible flow
[DE91-011533] 17 p2777 N91-25372
HOWELL, M.
Influence of oxide reinforcement materials on high-temperatue oxidation resistance of Ni3Al matrix composites
[DE91-001625] 05 p0632 N91-13498
High-temperature thermal storage systems for advanced solar receivers materials selections
[NASA-CR-187750] 06 p0841 N91-14647
HOWELL, P. R.
Microstructural evolution in rapidly solidified Cu-Nb powders
[AD-A225860] 04 p0588 N91-13282
Microstructural investigations of rapidly solidified Cu-Nb alloy powders produced by inert gas atomization
[AD-A235428] 19 p3133 N91-27312
HOWELL, PAUL R.
Microstructural development in HSLA-100 steel weld metals
[AD-A237931] 21 p3482 N91-29315
HOWELL, R. H.
Defect dependence of positron lifetimes in oxide superconductors
[DE91-006714] 10 p1608 N91-18876
Positron lifetime studies of defect structures in Ba(1-x)K(x)BiO3
[DE91-007341] 11 p1806 N91-19919
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
HOWELL, STEVEN L.
Evaluation process report for next generation computer resources operating systems interface baseline selection
[AD-A228594] 09 p1374 N91-17549
HOWELL, SUSAN E.
The changing face of the environmental issue
[PB91-138081] 15 p2459 N91-23624
HOWELL, WILLIAM E.
F-106B airplane active control landing gear drop test performance
[NASA-TM-102741] 05 p0621 N91-13445
Static footprint local forces, areas, and aspect ratios for three type 7 aircraft tires
[NASA-TP-2983] 09 p1276 N91-17014
F-106B airplane active control landing gear drop test performance 20 p3285 N91-28164
HOWELLS, M. R.
Possibilities for projection x ray lithography using holographic optical elements
[DE91-009770] 15 p2431 N91-23464
HOWELLS, PETER J.
Aircraft trajectory: Prediction and control in the air transport flight management computer systems 02 p0169 N91-10976
HOWER, LINN
The design of a distributed image processing and dissemination system
[DE91-001835] 05 p0702 N91-13909
HOWES, NORMAN R.
Real-time Ada design methodologies and their impact on performance
[AD-A237259] 21 p3555 N91-29754
HOWES, S.
ESA Polar Platform ground segment: An Anglo-Norwegian perspective 14 p2211 N91-22211
HOWIE, MICHAEL B.
Cognitive consequences of clumsy automation on high workload, high consequence human performance 12 p1947 N91-20711
HOWINGTON, LARRY C.
X-ray inspection system
[PATENT-1-258-924] 23 p3882 N91-31680
HOWITT, D. G.
Radiation damage of ceramics by electron microscopy
[DE91-012186] 20 p3323 N91-28396
Ceramic decomposition under irradiation
[DE91-015061] 21 p3491 N91-29372
HOWL, W.
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
HOWSE, WILLIAM R.
The selection of an experimental test battery for aviator cognitive, psychomotor abilities, and personal traits
[AD-A231887] 14 p2300 N91-22710
HOYING, D.
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061
HOYLE, C. E.
Photodegradation of polyimides. Part 5: An explanation of the rapid photolytic decomposition of a selected polyimide via anhydride formation
[AD-A236247] 19 p3141 N91-27360
Ultraviolet stability of polymers containing the hexafluoroisopropylidene group
[AD-A236255] 19 p3142 N91-27362
HOYLE, CHARLES E.
Photodegradation of polyimides. Part 3: The effect of chemical composition, radiation source, atmosphere and processing
[AD-A236197] 19 p3141 N91-27355
Photodegradation of polyimides. Part 4: Mechanism for the photooxidation process based on a model compound
[AD-A236198] 19 p3141 N91-27356
HOYLE, FRED
The microwave background: Its smoothness and frequency distribution as an astrophysical product 13 p2173 N91-21992
HOYLE, S.
Microstructure, porosity, and mechanical property relationships of calcium-silicate-hydrate
[AD-A235191] 18 p2950 N91-26279
HOYT, DOUGLAS V.
Using the boundary conditions of sunspots as a technique for monitoring solar luminosity variations 03 p0440 N91-12463
An alternative derivation of the Nimbus 7 total solar irradiance variations 03 p0447 N91-12496
HOYT, J. J.
New insights on the mechanisms controlling the nickel dependence of swelling in irradiated Fe-Cr-Ni alloys
[DE91-004892] 07 p0981 N91-15386
HOYT, J. L.
Limited reaction processing for semiconductor materials preparation
[AD-A239639] 23 p3933 N91-31983
HOYT, R. W.
Level of dietary fat does not affect fuel oxidation or endurance exercise performance of soldiers
[AD-A235194] 18 p3030 N91-26728
HOZUMI, Y.
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
HRMA, P. R.
Behavior of RuO2 in a glass melt
[DE91-013717] 20 p3328 N91-28432
HRUBESH, L. W.
Development of low density silica aerogel as a capture medium for hyper-velocity particles
[DE91-008563] 14 p2251 N91-22455
HRUBY, VLADIMIR J.
Lightweight transformer
[DE91-004166] 10 p1516 N91-18348
HRYCIW, ROMAN D.
Load transfer mechanisms in anchored geosynthetic systems
[AD-A232798] 16 p2613 N91-24466
HRYNKIEWICZ, A. Z.
Characteristic x rays method for detecting cold fusion
[DE91-619982] 13 p2157 N91-21890
HSA, CHANG-YU
A finite element conjugate gradient FFT method for scattering 06 p0811 N91-14476
HSI, CHI-SHIUNG
Environmental test program for superconducting materials and devices
[NASA-CR-186654] 19 p3250 N91-27981
HSI, DENNIS
Development and evaluation of superconducting circuit elements
[NASA-CR-187344] 04 p0517 N91-12875
HSIA, J. J.
Absolute specular reflectometer with an autocollimator telescope and auxiliary mirrors
[PB90-269572] 09 p1425 N91-17844
HSIAO, C. C.
Crazing in polymeric and composite systems
[AD-A235525] 19 p3137 N91-27335
HSIAO, M.-Y.
Kinetic stability of field-reversed configurations
[DE91-009530] 13 p2159 N91-21901
HSIAO, MING-YUAN
Kinetic stability of field-reversed configurations
[DE90-011530] 08 p1228 N91-16767
HSIAO, YUN-LIN
Electrocatalysis of anodic oxygen-transfer reactions at modified lead dioxide electrodes
[DE91-000664] 05 p0635 N91-13518
HSIEH, ALEX J.
Transient crystallization of an aromatic polyetherimide: Effect of annealing
[AD-A231988] 14 p2249 N91-22446
HSIEH, BERNARD B.
Data employed in the development of a three-dimensional, time-varying numerical hydrodynamic model of Chesapeake Bay
[AD-A231654] 14 p2292 N91-22673
HSIEH, C.-L.
A multi-laser system for a fast sampling Thomson scattering diagnostic
[DE91-002708] 05 p0667 N91-13705
A silicon avalanche photodiode detector circuit for Nd:YAG laser scattering
[DE91-002709] 05 p0667 N91-13706
A compact, low cost, 7 channel polychromator for Thomson scattering measurements
[DE91-002719] 05 p0721 N91-14024
A real-time digital control, data acquisition and analysis system for the DIII-D multipulse Thomson scattering diagnostic
[DE91-002720] 05 p0721 N91-14025
HSIEH, CHEN
Control of second-order information for linear systems 10 p1535 N91-18448
HSIEH, DONOVAN
Persistent data/knowledge base
[AD-A237498] 21 p3603 N91-30048
HSIEH, H.
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981
HSIEH, HORNGMING
Interactions of energetic particles and clusters with solids
[NASA-CR-188000] 10 p1606 N91-18865
HSIEH, J. H.
Combined solid and liquid lubrication of silicon nitride under boundary conditions
[DE91-011164] 17 p2784 N91-25409
Tribological behavior of silver films prepared on ceramic surfaces by ion-beam-assisted deposition
[DE91-017306] 24 p4027 N91-32505
HSIEH, J.-H.
Boundary lubrication of ceramic materials by soft metallic coating and synthetic oil
[DE91-014017] 20 p3354 N91-28577
HSIEH, KWANG-CHUNG
Ground-based PIV and numerical flow visualization results from the surface tension driven convection experiment
[NASA-TM-105172] 22 p3680 N91-30491
HSIEH, T. M.
Characterization of elastic properties of interfaces in composite materials
[AD-A228119] 07 p0973 N91-15340
HSIEH, TEHMING
Army-NASA aircrew/aircraft integration program (A3I) software detailed design document, phase 3
[NASA-CR-177557] 11 p1771 N91-19714
HSIN, WEI
Study of phase-locked diode laser array and DFB/DBR surface emitting laser diode 15 p2432 N91-23474
HSIN, Y.
A perception and manipulation system for collecting rock samples 12 p1939 N91-20669
HSU, ANDREW T.
Numerical study of unsteady shockwave reflections using an upwind TVD scheme
[NASA-TM-103251] 03 p0301 N91-11676
HSU, C. T.
Basic research on flame radiation
[PB91-182980] 19 p3128 N91-27282
HSU, F.
Degradation modeling with application to aging and maintenance effectiveness evaluations
[DE91-004004] 05 p0674 N91-13746
HSU, H.
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
HSU, HSIAO-HUA
Radiation dose calculations with the Monte Carlo method
[DE91-008582] 13 p2149 N91-21841
HSU, K. Y.
Wick-type liquid-metal combustion
[AD-A236204] 19 p3126 N91-27271
HSU, LI-SHING
Electrical resistivity, magnetic susceptibility, and thermoelectric power of PtGa2
[AD-A225035] 03 p0359 N91-12009
HSU, LIANG C.
Nature and origin of secondary mineral coatings on volcanic rocks of the Black Mountain, Stonewall Mountain, and Kane Springs Wash volcanic centers, southern, Nevada
[NASA-CR-183493] 24 p4043 N91-32591

HSU, LIANGCHUAN
Multiprocessor scheduling for hard real-time software
[AD-A225332] 03 p0406 N91-12265
HSU, MENG-BOR
The effect of ductile innerlayers on the mechanical performance of fiber-reinforced composite materials
20 p3305 N91-28295
HSU, N. N.
Progress in ultrasonic measurements research in 1990: Transient sources for acoustic emission work
[AD-A234965] 18 p3056 N91-26882
HSU, R.
The magnetron-enhanced etching of double-level tungsten interconnect
[DE91-014984] 21 p3481 N91-29306
HSU, S. N.
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569
HSU, TA-CHIEH
Application of H infinity method to modern fighter configuration
[AD-A225400] 03 p0312 N91-11748
HSU, W. L.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
HSUEH, C. H.
Stress-displacement relation during fiber pullout
[DE91-000392] 04 p0498 N91-12763
HSUEH, KESYIN F.
Thermal transitions and mechanical properties of the films of chemically prepared polyaniline
[AD-A233807] 18 p2959 N91-26329
HU, B. K.
The performance of 60 deg delta wings: The effects of leading edge radius on vortex flaps and the wing
[CRANFIELD-AERO-9004] 15 p2366 N91-23092
The performance of 60 deg delta wings: The effects of leading edge radius and vortex flaps
[CRANFIELD-AERO-9002] 15 p2374 N91-23140
HU, CHENMING
Joint services electronics program
[AD-A232855] 16 p2620 N91-24503
HU, E. L.
Rapid thermal annealing effects in In(x)Ga(1-x)As/GaAs strained-layer superlattices
[DE91-015901] 23 p3933 N91-31978
HU, FANG QIANG
Confined supersonic mixing layers: A computational investigation of instability and mixing enhancement
09 p1306 N91-17168
HU, HONG-YAO
Atmospheres of comets: Gas dynamic models and inference of kinematic parameters
24 p4121 N91-33036
HU, HUANLING
A lidar equipped with photon counter for measuring stratospheric aerosols 24 p4034 N91-32540
HU, HUOSHENG
Distributed architecture for sensing and control of a mobile robot
[OUEL-1836/90] 04 p0571 N91-13170
HU, J. Y.
Compact reflection nebulae, a transit phase of evolution from post-AGB to planetary nebulae
06 p0911 N91-15029
Ultraviolet, visual, and infrared studies of galactic extreme emission line objects with very large IR-excess
09 p1442 N91-17950
HU, JIANHUA
Optimization of transparent and reflecting electrodes for amorphous silicon solar cells
[DE91-002132] 15 p2458 N91-23618
HU, JOSEPH C.
Multi-misssion spacecraft planning and control process: Multi-mission sequence of events
14 p2221 N91-22280
HU, JUN MING
Analysis of ductile crack extension in plastic fracture
02 p0225 N91-11257
HU, M.
Low dark current photovoltaic multiquantum well long wavelength infrared detectors 06 p0796 N91-14396
HU, P. S.
Transportation energy data book
[DE91-010433] 16 p2653 N91-24681
HU, Q.
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
HU, QING
Fabrication of sensitive high Tc bolometers
06 p0794 N91-14389
Fabrication and measurement of high Tc superconducting microbolometers
[DE91-005234] 09 p1411 N91-17767
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011894] 18 p3071 N91-26973
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011826] 18 p3075 N91-26991
The effect of the quantum susceptance on the gain of superconducting quasiparticle mixers
[DE91-012352] 20 p3429 N91-29021
HU, SHOUFENG
Dynamic delamination propagation in composite beams under impact 16 p2588 N91-24344
HU, SHOUXIANG
Melt-processed bulk superconductors: Fabrication and characterization for power and space applications
15 p2542 N91-24082
HU, Y. F.
On unconstrained conjugate gradient optimization methods and their interrelationships
[MATHS-REPT-A-129] 05 p0703 N91-13919
Projected quasi-Newton updates
[MATHS-REPT-A-135] 05 p0703 N91-13920
A global convergence result for conjugate gradient methods
[MATHS-REPT-A-134] 05 p0710 N91-13961
On optimally and near-optimally conditioned quasi-Newton updates
[MATHS-REPT-A-141] 22 p3745 N91-30872
A family of optimally conditioned quasi-Newton updates for unconstrained optimization
[MATHS-REPT-A-143] 24 p4083 N91-32807
HUA, CAM
Compendium of fractographic data for composite materials
[AD-A233400] 16 p2589 N91-24351
HUA, CHONGYU
Users manual for AUTOMESH-2D: A program of automatic mesh generation for two-dimensional scattering analysis by the finite element method
[NASA-CR-186929] 01 p0107 N91-10623
HUA, GRACE C.
System and method for a general purpose architecture for intelligent computer-aided training
[NASA-CASE-MSC-21381-1] 05 p0707 N91-13944
HUA, X.-M.
The Li-7 and Be-7 deexcitation lines: Probes for accelerated particle transport models in solar flares
[NASA-CR-183490] 23 p3940 N91-32020
HUANG, C. Y.
Solid rocket booster internal flow analysis by highly accurate adaptive computational methods
[NASA-CR-184141] 13 p2043 N91-21239
HUANG, C.-K.
Advances in Li-TiS2 cell technology
24 p4039 N91-32567
HUANG, CHANG-CHIUN
Control of mechanical vibrations in a circular disk
16 p2633 N91-24576
HUANG, CHAO-SHANG
Spin 4 and 7/2 extended conformal algebra
[DE91-617609] 20 p3393 N91-28803
HUANG, CHAOSONG
Investigation on the projection by a Z-pinch discharge
[DE90-637548] 02 p0275 N91-11544
HUANG, CHIEN Y.
Design and simulation of an advanced airborne early warning system 17 p2733 N91-25136
HUANG, CHING-YUANG ALBERT
A mesoscale planetary boundary layer numerical model for simulations of topographically induced circulations
06 p0929 N91-15113
HUANG, DAVID T.
Monopropellant hydrazine spacecraft propulsion systems: 30 years of safe, reliable, flexible and predictable performance 16 p2574 N91-24268
HUANG, H.
In situ FTIR study of CO2 reduction on polycrystalline platinum in acid solutions
[AD-A235565] 19 p3123 N91-27253
In-situ spectroscopic studies of redox active self-assembled monolayers on gold electrode surfaces
[AD-A235564] 19 p3157 N91-27452
HUANG, H. C.
Satellite data derived estimates of erosion parameters for reentry vehicles
[AD-A234792] 18 p2935 N91-26189
HUANG, J.
A guidebook for the control of summer heat islands
[DE91-016246] 24 p4042 N91-32586
HUANG, J. S.
Creep deformation and fracture of a two-phase TiAl intermetallics
[DE91-011963] 23 p3814 N91-31274
HUANG, JAN-CHAN
Synthesis and characterization of electroactive polymers based on pyrrole
[AD-A226324] 04 p0507 N91-12819
Far infrared dielectric properties of polypyrrole doped with the tosylate anion
[AD-A226326] 04 p0507 N91-12820
Studies on relaxation behavior of corona poled aromatic dipolar molecules in a polymer matrix
[AD-A226512] 04 p0509 N91-12827
A strategy for the development of macromolecular nonlinear optical materials
[AD-A226325] 04 p0583 N91-13251
HUANG, JEN-KUANG
Likelihood estimation for distributed parameter models for NASA Mini-MAST truss 14 p2232 N91-22349
HUANG, JIE
Fractals and chaotic dynamics in tectonics: Applications to topography and seismicity 05 p0687 N91-13821
HUANG, K. G.
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307
HUANG, LEE-CHIU
Spatial and temporal climatic variations in the tropical Atlantic and their relationships to ENSO
16 p2658 N91-24707
HUANG, NAN-NONG
Nonlinear thermoelastic analysis of laminated plates and shells 03 p0376 N91-12105
HUANG, QIANG
Tunneling spectroscopy measurements on low-leakage junctions of Nd(1.85)Ce(0.15)CuO(4-y) and Ba(1-x)K(x)BiO3
[DE91-006585] 09 p1418 N91-17806
HUANG, QIN
An evaluation of concurrent priority queue algorithms
[AD-A232288] 16 p2668 N91-24761
HUANG, S. N.
Fatigue evaluation of piping systems with limited vibration test data
[DE91-007167] 15 p2445 N91-23543
HUANG, SHYH-CHIN
Rapidly solidified nickel aluminide of improved stoichiometry and ductilization
[PATENT-1-257-987] 23 p3813 N91-31270
Method for imparting strength to intermetallic phases
[PATENT-1-255-929] 23 p3813 N91-31271
HUANG, SUJIAN
Direct disc impact investigation of dynamic large finite plastic behavior of 1100 aluminum
08 p1163 N91-16404
HUANG, T. C.
The new metals and alloys compilation, a powerful materials analysis tool
[DE91-016199] 24 p3976 N91-32208
HUANG, W. D.
Interfacial characteristic measurements in horizontal bubbly two-phase flow
[DE91-009803] 15 p2424 N91-23427
HUANG, X. Z.
Subsonic aerodynamic coefficients of the SDM at angles of attack up to 90 deg
[NAE-LTR-UA-93] 21 p3452 N91-29144
HUANG, XIANG-LU
Initialization of the HIRLAM model using a digital filter
[DM-57] 23 p3896 N91-31747
HUANG, XIANG-YU
Grouping of clouds and internal gravity waves in a non-hydrostatic model of moist convection
[DM-55] 15 p2469 N91-23679
HUANG, XIUBAO
Hydrodynamic lubrication under severe conditions
09 p1346 N91-17395
HUANG, Y.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
HUANG, YING
On finding optimal policies for Markov decision chains: A unifying framework for mean-variance-tradeoffs
[TW-90-10] 22 p3732 N91-30777
HUANG, YONGGANG YOUNG
Cavitation and localization in plastic flow
09 p1333 N91-17321
HUANG, YUMING
Modeling and design for a new ionospheric modification experiment 10 p1549 N91-18523
Results of a high power oblique incidence HF ionospheric modification experiment
[AD-A231893] 14 p2257 N91-22482
HUANG, ZHAOFENG
Lower bound on reliability for Weibull distribution when shape parameter is not estimated accurately
[NASA-CR-180681] 02 p0263 N91-11474
HUANG, ZHISHENG
Logics for belief dependence
[ITLI-LP-90-13] 22 p3732 N91-30779
Awareness, negation and logical omniscience
[ITLI-LP-90-16] 22 p3742 N91-30848

HUBA, J. D.
Laboratory simulation of high-altitude disruptive effects
10 p1553 N91-18542
HUBBARD, A. T.
Electrocatalyst surfaces
[PB90-252560] 05 p0633 N91-13507
Surface chemistry of electrocatalysts
[DE91-010850] 17 p2757 N91-25262
HUBBARD, C. M.
Microstructure development during microwave annealing of dense silicon nitride
[DE91-012069] 18 p2944 N91-26242
HUBBARD, C. R.
Characterization of silicon nitride synthesized by microwave heating
[DE91-012219] 20 p3323 N91-28397
HUBBARD, G. S.
Sand and dust issues for the MESUR mission
18 p3089 N91-27080
HUBBARD, G. SCOTT
Pyroelectric detectors 06 p0794 N91-14390
HUBBARD, HARVEY H.
Wind turbine acoustics
[NASA-TP-3057] 08 p1213 N91-16679
HUBBARD, K. M.
Superconducting properties of Ti-Ba-Ca-Cu-O films on silver substrates
[DE91-002304] 06 p0879 N91-14856
HUBBARD, KEVIN M.
Superconducting YBaCuO thin films by Cu-ion implantation
[DE91-004867] 07 p1074 N91-15909
HUBBARD, R. F.
Overview of beam conditioning
[AD-A226404] 04 p0581 N91-13236
Theory of electron beam tracking in reduced-density channels
[AD-A233387] 16 p2683 N91-24855
HUBBARD, R. W.
Sustaining health and performance in the desert: Environmental medicine guidance for operations in Southwest Asia
[AD-A229643] 12 p1929 N91-20616
HUBBARD, RICHARD F.
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
HUBENY, I.
Properties of the central star of NGC 6826 (03f)
09 p1439 N91-17933
HUBER, ALAN C.
Prototype instrumentation and design studies
[AD-A211566] 01 p0044 N91-10264
Prototype instrumentation and design studies
[AD-A230707] 12 p1835 N91-20083
HUBER, C. C.
AQUIS: An air quality and permit information management system
[DE91-011750] 18 p3008 N91-26608
HUBER, D. A.
GaAs solar cell photoresponse modeling using PC-1D V2.1
11 p1668 N91-19193
HUBER, DANIEL A.
GaAs solar cells for laser power beaming
22 p3635 N91-30229
HUBER, HELMUT
BO 108 development status and prospects
[MBB-UD-0574-90-PUB] 11 p1648 N91-19085
Development of bearingless tail rotors
[MBB-UD-0575-90-PUB] 11 p1648 N91-19086
MBB's involvement in military helicopter programmes
[MBB-UD-0588-90-PUB] 11 p1649 N91-19091
HUBER, HELMUT B.
MBB'S BO 108 design and development
[MBB-UD-0568-90-PUB] 01 p0009 N91-10055
HUBER, J. G.
Magnetic structures of actinide materials by pulsed neutron diffraction
[DE91-000373] 08 p1109 N91-16093
HUBER, ROBERT D.
Acousto-ultrasonic nondestructive evaluation of materials using laser beam generation and detection
10 p1487 N91-18193
HUBER, W. J.
Proceedings of the Second Annual Fuel Cells Contractors Review Meeting
[DE90-000490] 02 p0231 N91-11288
HUBERMAN, MARK L.
Novel Si(1-x)Ge(x)/Si heterojunction internal photoemission long wavelength infrared detectors
06 p0797 N91-14401
HUBERT, M.
High speed welding used in building metallic structures
[CRIF-MT-180] 24 p4026 N91-32496
HUCEK, RICHARD R.
User's guide: Nimbus-7 Earth radiation budget narrow-field-of-view products. Scene radiance tape products, sorting into angular bins products, and maximum likelihood cloud estimation products
[NASA-RP-1246] 04 p0549 N91-13043
Atlas of the Earth's radiation budget as measured by Nimbus-7: May 1979 to May 1980
[NASA-RP-1263] 16 p2660 N91-24720
HUCH, RUEDIGER
Adhesion of thick layer systems on ceramic based precious metals in hybrid microelectronic circuits
[MBB-UA-1191-90-PUB] 23 p3819 N91-31304
HUCHTMEIER, W. K.
Detection of CO emission in Hydra 1 cluster galaxies
05 p0763 N91-14237
HUCK, FRIEDRICH O.
Advanced technology development for image gathering, coding, and processing 06 p0829 N91-14579
HUCKABINE, THOMAS
Preliminary flight-determined subsonic lift and drag characteristics of the X-29A forward-swept-wing airplane
[NASA-TM-100409] 21 p3457 N91-29177
HUCKABY, D. A.
Phase transitions at liquid solid interfaces: Pade approximant for adsorption isotherms and voltammograms
[AD-A232623] 15 p2399 N91-23285
Exact results for the structured liquid-solid interface
[AD-A232992] 16 p2598 N91-24396
HUCKABY, DALE A.
A model for sequential first order phase transitions occurring in the underpotential deposition of metals
[AD-A235623] 19 p3134 N91-27316
HUDAK, PAUL
T on the Cray X/MP
[NASA-CR-188590] 17 p2828 N91-25622
HUDDLESTON, DAVID H.
Development of a free-jet forebody simulator design optimization method
[AD-A230162] 12 p1829 N91-20050
HUDDLESTON, DAVID HOWARD
Aerodynamic design optimization using computational fluid dynamics 02 p0179 N91-11013
HUDEMA, HENRY P.
Rocket boosted target
[PATENT-1-254-289] 23 p3802 N91-31207
HUDGINS, D.
Low-pressure clathrate-hydrate formation in amorphous astrophysical ice analogs 17 p2892 N91-25985
HUDLICKA, EVA
Fault recovery recommendation
02 p0164 N91-10952
HUDSON, CAMILLE T.
Computational Fluid Dynamics Code Validation/Calibration. JANNAF Airbreathing Propulsion Subcommittee Workshop: High-Speed Inlet Forebody Interactions
[CPIA-PUBL-551] 17 p2772 N91-25336
HUDSON, DAVID E.
Nonequilibrium effects in ion and electron transport
[AD-A229961] 12 p1976 N91-20869
HUDSON, G. BRYANT
Reduction of multielement mass spectra
[DE91-001767] 07 p0976 N91-15354
HUDSON, H. S.
Modeling solar Lyman alpha irradiance
03 p0444 N91-12483
HUDSON, HIGH
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
HUDSON, HUGH S.
The ACRIM data in the context of stellar variability
03 p0446 N91-12494
HUDSON, J. B.
Design and synthesis of CVD precursors to thin film ceramic materials
[AD-A225759] 04 p0507 N91-12815
HUDSON, JAMES G.
Aerosol measurements in the stratocumulus project
01 p0085 N91-10506
HUDSON, JOHN A.
Magnetic field generator
[AD-D014869] 18 p2979 N91-26449
HUDSON, LARRY D.
Single-strain-gage force/stiffness buckling prediction techniques on a hat-stiffened panel
[NASA-TM-101733] 11 p1646 N91-19077
HUDSON, LESLIE S.
Right bundle branch block as a risk factor for subsequent cardiac events
[AD-A226596] 04 p0553 N91-13065
HUDSON, R. D.
Ten years of solar change as monitored by SBUV and SBUV/2 03 p0448 N91-12503
A status report on the analysis of the NOAA-9 SBUV/2 sweep mode solar irradiance data
11 p1731 N91-19518
Initial estimate of NOAA-9 SBUV/2 total ozone drift: Based on comparison with re-calibrated TOMS measurements and pair justification of SBUV/2
11 p1732 N91-19523
Ozone measurements from the NOAA-9 and the Nimbus-7 satellites: Implications of short and long term variabilities 11 p1732 N91-19527
HUDSON, TRACY D.
Evaluation of a ferroelectric liquid crystal spatial light modulator
[AD-A232117] 15 p2508 N91-23899
HUEBNER, W. F.
Modeling the coma of 2060 Chiron
17 p2892 N91-25986
HUEBNER, WALTER F.
Workshop on Observations of Recent Comets (1990)
[NASA-CR-188960] 12 p2001 N91-21012
Results from the comet Giacobini-Zinner and Halley campaigns 12 p2001 N91-21013
Modeling the dust size distribution in comets with dust fragmentation 12 p2006 N91-21042
HUEBNER, WERNER
Linear bending of curved tubes without boundary influence
[ETN-91-99255] 15 p2447 N91-23552
HUENERS, H.
Structural dynamics qualification of spacecraft
02 p0159 N91-10922
Experiences with and prospects for dynamic mechanical testing of spacecraft structures
07 p0956 N91-15256
HUENSCH, M.
The onset of cool stellar winds indicated by circumstellar Mg II absorption components 09 p1437 N91-17917
HUERRE, P.
Unsteady behavior of turbulent shear flows
[AD-A231836] 14 p2264 N91-22523
HUESTIS, DAVID L.
Multiphoton detection techniques for F and F2
[AD-A232641] 15 p2399 N91-23286
HUETER, UWE
Next generation earth-to-orbit space transportation systems: Unmanned vehicles and liquid/hybrid boosters
20 p3292 N91-28205
HUETTNER, W.
Oxidation inhibited carbon/carbon: A candidate material for hot structures 03 p0328 N91-11825
HUEY, BEVERLY MESSICK
Application Principles for Multicolored Displays: A workshop report
[AD-A227961] 08 p1195 N91-16567
HUEY, CECIL O., JR.
An investigation to determine the producibility of a 3-D braider and bias direction weaving loom
[NASA-CR-188741] 21 p3494 N91-29390
HUEY, H.
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592
HUFF, DENNIS L.
Numerical analysis of flow through oscillating cascade sections 02 p0152 N91-10884
Euler flow predictions for an oscillating cascade using a high resolution wave-split scheme
[NASA-TM-104377] 16 p2546 N91-24107
HUFF, J. R.
Electrochemical energy storage using PEM systems
[DE91-016020] 23 p3890 N91-31711
HUFF, JAMES R.
Advanced system analysis for indirect methanol fuel cell power plants for transportation applications
[DE91-000171] 03 p0386 N91-12154
Direct methanol/air fuel cells: Systems considerations
[DE90-011971] 08 p1169 N91-16439
HUFF, JOHN H.
Contemporary issues in solar pond research
[DE90-010094] 08 p1169 N91-16436
HUFF, TIMOTHY L.
Microbial ecology laboratory procedures manual NASA/MSFC
[NASA-CR-184033] 05 p0693 N91-13856
HUFFAKER, C. F.
Space transfer vehicle avionics advanced development needs 09 p1278 N91-17026

HUFFAKER, FREDRICK
Next generation: In-space transportation system(s)
20 p3293 N91-28211
HUFFAKER, R. C.
Efficiency of N use by wheat as a function of influx and efflux of NO3
23 p3902 N91-31778
HUFFER, FRED W.
Weighted least squares estimation for Aalen's additive risk model
[AD-A235250] 18 p3052 N91-26852
HUFFINES, GARY R.
Using the USU ionospheric model to predict radio propagation through a simulated ionosphere
[AD-A231599] 13 p2074 N91-21423
HUFFMAN, DONALD R.
Simultaneous infrared and UV-visible absorption spectra of matrix-isolated carbon vapor
06 p0890 N91-14915
HUFFORD, G.
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041
HUFFORD, G. A.
Atmospheric 60-GHz oxygen spectrum: Modeling and laboratory measurements
[PB91-172809] 19 p3187 N91-27626
HUGENBERG, K. F.
A new method for doing flat-field intensity calibrations of multiplexed ITT streak cameras
[DE90-016475] 01 p0045 N91-10267
HUGENHOLTZ, COENRAAD ALBERTUS JACOBUS
Microwave interferometer and reflectometer techniques for thermonuclear plasmas
[ETN-91-98478] 08 p1230 N91-16780
HUGENSCHMIDT, MANFRED
Investigation of pulsed laser target interaction processes by high-speed diagnostic techniques
[ISL-CO-234/89] 01 p0048 N91-10283
Experimental studies of high average power CO2-laser-induced thermomechanical processes
[ISL-CO-202/90] 12 p1905 N91-20481
HUGG, STEVEN B.
Research into display sharing techniques for distributed computing environments
[NASA-CR-186570] 10 p1567 N91-18615
HUGGINS, A. W.
Investigations of winter mountain storms in Utah during the 1987 Utah/NOAA field program
[PB91-140442] 16 p2659 N91-24709
HUGGINS, J.
Experimental investigations of the effects of cutting angle on chattering of a flexible manipulator
22 p3687 N91-30529
HUGGINS, R. A.
In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958
HUGGINS, ROBERT A.
Intermediate temperature oxygen-conducting solid electrolytes and mixed conductors
[PB90-260522] 09 p1327 N91-17286
HUGH, GREGORY
Three hierarchies in skeletal muscle fibre classification allotype, isotype and phenotype
17 p2819 N91-25577
HUGH, PHIL
Technical Evaluation Motor No. 7 (TEM-07)
[NASA-CR-184186] 22 p3640 N91-30261
HUGHES, CECILIA
Automated assembly in space
19 p3273 N91-28106
HUGHES, CHRISTOPHER E.
Aeroacoustic effects of reduced aft tip speed at constant thrust for a model counterrotation turboprop at takeoff conditions
[NASA-TM-103608] 01 p0119 N91-10703
HUGHES, D. T.
Electronic states in semiconductor superlattices and quantum wells
03 p0420 N91-12352
HUGHES, DAVID
The importance of submillimetre observations of radio quiet and radio loud AGN's
13 p2174 N91-22000
HUGHES, DAVID P.
Observations of comet Brorsen-Metcalf and comparisons with Halley
09 p1433 N91-17890
HUGHES, E.
Automatic tracking of the intersection of a laser and electron beam
[DE91-007740] 10 p1531 N91-18434
HUGHES, H. C.
Multimodal interactions in sensory-motor processing
[AD-A229111] 09 p1372 N91-17540
HUGHES, H. G.
A lidar technique for adjusting aerosol model number densities close to the ocean surface
[AD-A232042] 16 p2689 N91-24883
HUGHES, J. E.
A selection tool for choosing the best participative problem-solving technique
[DE91-012421] 20 p3436 N91-29066
HUGHES, K. L.
Comparison of low-energy x ray and cobalt-60 irradiations of MOS devices as a function of gate bias
[DE91-008174] 22 p3759 N91-30953
HUGHES, PETER JONATHAN
Construction manipulator teleoperation with Ergosticks
09 p1346 N91-17396
HUGHES, PETER M.
Utilizing expert systems for satellite monitoring and control
12 p1946 N91-20705
The Generic Spacecraft Analyst Assistant (GenSAA): A tool for automating spacecraft monitoring with expert systems
14 p2314 N91-22779
HUGHES, PHIL
Technical Evaluation Motor No. 7 (TEM-7)
[NASA-CR-184163] 18 p2938 N91-26203
HUGHES, PHIL D.
Space Shuttle Flight Support Motor no. 1 (FSM-1)
[NASA-CR-184078] 08 p1104 N91-16064
HUGHES, R. C.
Optically-triggered GaAs thyristor switch s: Integrated structures for environmental hardening
[DE91-001355] 06 p0824 N91-14553
Monolithically integrated GaAs thyristor-transistor as a hardened optically-triggered switch
[DE91-000040] 07 p0999 N91-15486
HUGHES, RICHARD SMITH
Logarithmic amplification for passive airborne direction finding in the 1990s
07 p0942 N91-15164
HUGHES, ROBERT M., IV
A parametric shell analysis of the shuttle 51-L SRB AFT field joint
[NASA-TM-102748] 06 p0838 N91-14629
HUGHES, SUZANNE
Three hierarchies in skeletal muscle fibre classification allotype, isotype and phenotype
17 p2819 N91-25577
HUGHES, T. H.
Mechanical characterization of seismic base isolation elastomers
[DE91-015680] 23 p3818 N91-31299
HUGHES, T. W.
Objective assessments of mobility with an early Unmanned Ground Vehicle (UGV) prototype viewing system
[AD-A237317] 21 p3527 N91-29595
HUGHES, W. J.
Wave particle interactions in the inner magnetosphere
[AD-A230493] 12 p1923 N91-20581
The wavenumber-frequency filtering characteristics of compliant layers
[AD-A234768] 18 p2999 N91-26561
Magnetospheric structure and dynamics: A multisatellite approach
[AD-A237674] 21 p3541 N91-29676
HUGHES, WILLIAM E., JR.
Management of variation and TQM
[AD-A238399] 21 p3569 N91-29843
HUGHES, WILLIAM F.
Dynamics of face and annular seals with two-phase flow
[NASA-CR-4256] 18 p2984 N91-26479
HUGHSON, MONTGOMERY C.
Analysis of hypersonic blunt-body flows using a total variation diminishing scheme and the MacCormack scheme
[AD-A230576] 12 p1897 N91-20429
HUI, DAVID
Theoretical hypervelocity ballistic limit for single or double plates using nonlinear modal analysis
10 p1630 N91-18988
HUIJBERTS, H. J. C.
A nonregular solution on the nonlinear dynamic disturbance decoupling problem with an application to a complete solution of the nonlinear model matching problem
[MEMO-862] 04 p0575 N91-13195
HUIJSER, RON
Cells in space: Sounding rocket facilities for cell biology and biotechnology in microgravity
11 p1756 N91-19661
HUIJSMANS, C. B.
Disjointness preserving and diffuse operators
[REPT-90-42] 07 p1059 N91-15820
HUIZING, A. G.
CARPET: A versatile program for radar performance analysis
[FEL-91-B002] 24 p3983 N91-32246
HULBERT, S. L.
Interaction of InGa liquid alloy coolant with gold coated optical materials
[DE91-017480] 24 p4103 N91-32927
HULKOWER, NEAL D.
Accessibility of near-Earth asteroids, 1990
17 p2915 N91-26092
HULL, A. B.
Stress corrosion cracking of candidate structural materials under simulated first-wall/aqueous coolant environments
[DE91-006370] 09 p1316 N91-17225
HULL, D. G.
RV strings of maximum curvature
[DE91-016708] 24 p3966 N91-32157
HULL, DAVID R.
Effect of hydrogen on the strength and microstructure of selected ceramics
[NASA-TM-103674] 06 p0812 N91-14482
Microstructural and strength stability of CVD SiC fibers in argon environment
[NASA-TM-103772] 21 p3471 N91-29250
HULL, J. R.
Phenomenology of forces acting between magnets and superconductors
[DE90-017864] 02 p0265 N91-11487
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
Heat transfer issues in the fabrication and operation of ceramic superconductors
[DE90-017832] 03 p0421 N91-12356
Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800
Effect of guideway discontinuities on magnetic levitation and drag forces
[DE91-014011] 20 p3395 N91-28815
Effect of size and geometry on levitation force measurements between permanent magnets and high-temperature superconductors
[DE91-012472] 20 p3427 N91-29008
Minimization of refrigeration power requirements for mechanical supports in cryogenic systems
[DE91-015720] 21 p3495 N91-29392
Maglev system concept using 20-K high-temperature superconductors and hyperconductors
[DE91-015714] 21 p3572 N91-29860
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
Design and fabrication issues for small-scale SMES
[DE91-014008] 22 p3656 N91-30353
HULS, MARY H.
Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] 05 p0693 N91-13860
HULSE, CHARLES
Extreme temperature strain measurement system
[AD-A229802] 12 p1914 N91-20526
HULSEN, MARTIN A.
A numerical method for solving steady 2D and axisymmetrical viscoelastic flow problems with an application to inertia effects in contraction flows
[MEMT-11] 11 p1705 N91-19394
HULSTROM, ROBERT L.
Photovoltaic advanced research and development project: Solar radiation research
[DE91-002119] 10 p1540 N91-18479
Influences of atmospheric conditions and air mass on the ratio of ultraviolet to total solar radiation
[DE90-000368] 10 p1543 N91-18494
HULTH, P.-O.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845
HULTON, VEL N.
Computer-based instruction Authoring Tools System (CATS): Student guide
[AD-A225782] 04 p0562 N91-13116
HULTS, W. L.
Fermi surface of YBCO by DHVA
[DE91-009963] 15 p2516 N91-23943
HUMBERTCLAUDE, J.
Laser velocimetry at the CEAT aerodynamic group: Application to unsteady measurements on a fluid flap profile
[AAAF-NT-89-05] 23 p3784 N91-31100
HUMENIK, K. E.
Pumping system fault detection and diagnosis utilizing pattern recognition and fuzzy inference techniques
[DE91-011849] 18 p3053 N91-26863

HUMES, DONALD H.
Method and apparatus for determining time, direction, and composition of impacting space particles [NASA-CASE-LAR-13392-1-CU] 06 p0799 N91-14412
Large craters on the meteoroid and space debris impact experiment 16 p2710 N91-24998
HUMMEL, J. R.
Effects of solar heating by aerosols and trace gases on the temperature structure constant [AD-A237675] 21 p3542 N91-29677
HUMMER, J. A.
Flywheel-powered shuttle car [PB91-200543] 24 p4026 N91-32499
HUMMER, LEIGH L.
Thermal control surfaces experiment (S0069) initial materials evaluation 16 p2716 N91-25035
Unusual materials effects observed on the thermal control surfaces experiment (S0069) 16 p2716 N91-25036
Thermal control surfaces experiment (SOO69) flight systems performance 16 p2724 N91-25088
Thermal control surfaces experiment: Initial flight data analysis [NASA-CR-188600] 17 p2738 N91-25156
Thermal control surfaces experiment flight system performance [NASA-TM-105036] 22 p3629 N91-30194
HUMPHREY, JOSEPH W.
A multidimensional finite element method for CFD 13 p2014 N91-21079
HUMPHREY, THEODORE W.
Project Cerberus: Flyby mission to Pluto 08 p1101 N91-16048
HUMPHREY, WATTS S.
The role of assessment in software process improvement [AD-A227426] 06 p0862 N91-14762
HUMPHREYS, D. A.
Axisymmetric control in tokamaks [DE91-009794] 14 p2329 N91-22868
HUMPHREYS, K. K.
Potential impacts of global climate change on solar thermal power systems [DE91-011239] 17 p2808 N91-25526
Environmental tradeoffs associated with various energy paths: A total energy cycle analysis approach [DE91-013662] 20 p3370 N91-28669
HUMPHREYS, R. G.
Progress in high Tc superconductors 05 p0722 N91-14031
HUMPHREYS, WILLIAM M., JR.
Laser transit anemometer measurements on a slender cone in the Langley unitary plan wind tunnel [NASA-TM-102775] 07 p1005 N91-15521
HUMPHRIES, R.
Monitoring and control of atmosphere in a closed environment 14 p2362 N91-23071
HUMPHRIES, S., JR.
Pulse power switching with large vacuum triodes [DE91-014671] 22 p3668 N91-30425
HUNCK, P.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF [NIKHEF-H/90-11] 14 p2267 N91-22546
HUND, T. D.
The Concept-90 photovoltaic concentrator module [DE91-010852] 17 p2805 N91-25509
HUNDLEY, M. F.
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y) [DE91-000372] 04 p0591 N91-13300
Doping and pressure study of U3Sb4Pt3 [DE91-013669] 20 p3431 N91-29033
Effects of doping on hybridization gapped materials [DE91-014611] 21 p3508 N91-29477
HUNDSDORFER, W. H.
Convergence of linear multistep and one-leg methods for stiff nonlinear initial value problems [CWI-NM-R8924] 02 p0260 N91-11450
The linearly implicit Euler method for quasi-linear parabolic differential equations [CWI-NM-R9002] 02 p0260 N91-11451
HUNG, C. K.
Ground Communication Facility (GCF) upgrade task for the NASA deep space network 14 p2212 N91-22217
HUNG, CHENG-HUNG
Initial studies of electric field effects on ceramic powder formation in flames [DE90-007571] 08 p1117 N91-16138
Ultrafine refractory particle formation in counterflow diffusion flames [DE91-007693] 11 p1680 N91-19260
HUNG, CHING-CHEH
Graphite fluoride fiber polymer composite material [NASA-CASE-LEW-14472-1] 07 p0969 N91-15320
Industrial applications of graphite fluoride fibers 14 p2357 N91-23040
HUNG, CHING-CHEN
Graphite fluoride fibers and their applications in the space industry [NASA-TM-103265] 02 p0190 N91-11062
HUNG, R. J.
Microgravity liquid propellant management [NASA-CR-184238] 24 p3981 N91-32236
HUNGERFORD, E. V.
Selected problems in experimental intermediate energy physics [DE91-008910] 14 p2326 N91-22848
HUNIK, R.
Experiments on ultrasonic thermometry for wet-ash coal gasification 23 p3941 N91-32024
HUNKLER, R.
Optimization of digital models for the description of the dynamic behavior of materials [ISL-CO-258/88] 04 p0538 N91-12982
HUNNEMAN, R.
Exposure to space radiation of high-performance infrared multilayer filters 16 p2722 N91-25076
HUNNICUTT, M. L.
Structure of alkylated silica surfaces: Quenching of fluorescence from covalently bound pyrene [AD-A234642] 18 p2938 N91-26207
Molecular transport in porous silica. Quenching of fluorescence from surface-immobilized pyrene [AD-A234643] 19 p3122 N91-27249
HUNSAKER, C. T.
Monitoring challenges and innovative ideas [DE91-000586] 08 p1174 N91-16465
HUNSAKER, CAROLYN T.
Environmental monitoring and assessment program: Ecological indicators [PB91-141796] 16 p2654 N91-24683
HUNSDORFER, W. H.
Unconditional convergence of some Crank-Nicholson LOD methods for initial-boundary value problems [CWI-NM-R9012] 10 p1584 N91-18726
HUNSTON, DONALD
Second Industry Workshop on Polymer Composite Processing [PB91-132191] 16 p2604 N91-24427
HUNSUCKER, ROBERT D.
Radio Frequency Interference (RFI) measurements made near the proposed Alaska OTH receiving site [AD-A226922] 06 p0818 N91-14519
HUNT, B. D.
Development of components for submillimeter wave heterodyne radiometers at JPL 13 p2176 N91-22017
HUNT, C. A.
Synthesis of a self-assembling supramolecular lattice [AD-A236358] 19 p3158 N91-27461
HUNT, C. E.
Simulation, design, and fabrication of thin-film resistive-gate GaAs charge coupled devices [DE91-000419] 07 p1072 N91-15902
HUNT, E.
Precipitation reactions in 8090 SiC particulate reinforced MMC [RAE-TR-90040] 10 p1494 N91-18221
HUNT, GERALD F.
Operation of inductively coupled plasma source mass spectrometers in the peak jumping mode [DE91-001766] 05 p0664 N91-13689
HUNT, J.
Flight experiment hardware for sounding rocket investigations: Materials science and fluid sciences [ESA-SP-1116-REV-1] 16 p2580 N91-24299
HUNT, J. C. R.
Atmospheric processes over complex terrain [DE90-017458] 03 p0389 N91-12165
HUNT, J. E.
Laser desorption/photoionization time-of-flight mass spectrometry of polymer additives [DE90-017808] 03 p0343 N91-11923
HUNT, J. T.
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility [DE91-001685] 05 p0665 N91-13698
High threshold HR (Highly Reflective) coatings at 1064 nm [DE91-006236] 10 p1528 N91-18415
Upgrade of the LLNL Nova laser for inertial confinement fusion [DE91-008060] 11 p1712 N91-19430
High-peak power-Nd:Glass laser facilities for end users [DE91-013246] 20 p3351 N91-28561
HUNT, JAMES J.
Plasma Astrophysics [ESA-SP-311] 06 p0916 N91-15046
International Symposium on Environmental Testing for Space Programmes: Test Facilities and Methods [ESA-SP-304] 07 p0949 N91-15212
HUNT, M. A.
Subpixel measurement of image features based on paraboloid surface fit [DE91-004777] 10 p1575 N91-18667
HUNT, M. J.
Distance measures for speech recognition [NAE-AN-57] 21 p3495 N91-29394
HUNT, R. NIALL M.
Design reliability engineering [DE91-001949] 05 p0673 N91-13744
HUNT, RUSTON M.
Adaptive aiding for human-computer control: Future directions for research [AD-A236799] 19 p3234 N91-27884
HUNT, TRACY
Directory of Federal laboratory and technology resources: A guide to services, facilities, and expertise [ISBN-0-934213-21-6] 16 p2705 N91-24971
HUNT, W. H.
A synopsis of Langley Research Center's lidar effort for the 1986 FIRE IFO 01 p0076 N91-10457
The new FIRE cloud lidar at Langley Research Center 01 p0081 N91-10482
HUNT, WARREN A., JR.
Hardware verification at Computational Logic, Inc. 09 p1378 N91-17571
Report on the formal specification and partial verification of the VIPER microprocessor [NASA-CR-187540] 19 p3218 N91-27786
HUNTEN, DONALD
Working Papers: Astronomy and Astrophysics Panel Reports [NASA-CR-188785] 24 p4118 N91-33017
Planetary astronomy 24 p4120 N91-33027
HUNTER, D.
Concurrent engineering 20 p3299 N91-28247
HUNTER, D. E.
Production of jet fuels from coal derived liquids. Volume 16: Analysis of phenolic species in coal derived aviation fuels [AD-A224656] 03 p0346 N91-11938
HUNTER, DAN
Spacecraft design project: High latitude communications satellite [NASA-CR-186689] 02 p0185 N91-11039
HUNTER, DANIEL S.
Variable-frequency Pulse-Width-Modulation (PWM) for zero voltage switching in a boost dc-dc regulator [AD-A225303] 03 p0360 N91-12017
HUNTER, DAVID R.
An annotated bibliography of the aircrew selection literature [AD-A230484] 12 p1931 N91-20627
HUNTER, DEIDRE A.
Peering beyond IRAS: The 100 to 350 micron dust emission from galaxies 05 p0743 N91-14141
Ionized interstellar froth in irregular galaxies 05 p0745 N91-14152
HUNTER, HAMILTON T.
Atomic data for fusion. Volume 1: Collisions of H, H2, He and Li atoms and ions with atoms and molecules [DE91-000527] 04 p0581 N91-13238
HUNTER, JERRY L.
Ion microprobe elemental analyses of impact features on interplanetary dust experiment sensor surfaces 16 p2712 N91-25007
HUNTER, MARK W.
Modeling and analysis of orthotropic plate with circular cutout and adhesive bonded patch [AD-A229866] 11 p1724 N91-19496
HUNTER, MELINDA
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 24 p4062 N91-32692
HUNTER, N.
Nonlinear modeling of chaotic time series: Theory and applications [DE91-013076] 20 p3435 N91-29055
HUNTER, NORMAN F., JR.
Application of nonlinear time series models to driven systems [DE91-005949] 10 p1586 N91-18743
HUNTER, NORWOOD
Portable dynamic fundus instrument [NASA-CASE-MSC-21675-1] 05 p0694 N91-13865
HUNTER, PAUL
NASA information sciences and human factors program [NASA-TM-4291] 18 p3097 N91-27119

HUNTER, W. W., JR.
Laser transit anemometer and Pitot probe comparative measurements in a sharp cone boundary layer at Mach 4
[NASA-TM-104101] 19 p3169 N91-27523
HUNTER, WILLIAM W., JR.
Laser transit anemometer measurements of a JANNAF nozzle base velocity flow field
[NASA-TM-102725] 03 p0368 N91-12063
Laser transit anemometer measurements on a slender cone in the Langley unitary plan wind tunnel
[NASA-TM-102775] 07 p1005 N91-15521
HUNTLEY, BONITA A.
Heats of explosion at low pressures, 2
[AD-A231020] 13 p2058 N91-21328
HUNTLEY, M. S., JR.
The use and design of flightcrew checklists and manuals
[AD-A237206] 21 p3551 N91-29733
HUNTLEY, WILLIAM P.
Unidirectional amplitude sensitive noise riding threshold circuit
[AD-D014568] 06 p0820 N91-14529
High pulse repetition frequency radar early warning receiver
[AD-D014655] 11 p1693 N91-19328
Semi-automatic direction finding
[AD-D014834] 16 p2558 N91-24192
HUNTSBERGER, TERRY
Incorporation of shuttle CCT parameters in computer simulation models 18 p3093 N91-27096
HUNYADY, S. J.
Aircraft measurements of electrified clouds at Kennedy Space Center, part 3
[NASA-CR-186964] 04 p0548 N91-13039
Aircraft measurements of electrified clouds at Kennedy Space Center
[NASA-CR-186536] 06 p0848 N91-14680
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 1: 1988 flights 06 p0848 N91-14681
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 2: Case study: 4 November 1988 (88309) 06 p0848 N91-14682
Charge control experiments on a CH-53E helicopter in a dusty environment 24 p4050 N91-32625
HUNZIKER, K. SCOTT
Integrated control-structure design
[NASA-CR-182020] 07 p0945 N91-15180
HUNZINGER, E.
Increased mitogenic response in lymphocytes from chronically centrifuged mice 11 p1752 N91-19634
HUOVELIN, J.
IUE observations of the RS CVn-type binary alpha2CrB 09 p1439 N91-17931
Long and short timescale variability of magnetic activity on the BY Dra star BD+26 deg 730 09 p1440 N91-17941
HUPP, J. T.
Solvent-dependent redox thermodynamics of metal amine complexes. The delineation of specific solvation effects
[AD-A237503] 21 p3475 N91-29272
HUPP, JOSEPH T.
Intramolecular electron transfer rates
[DE90-017447] 02 p0268 N91-11504
Experimental assessment of dynamic structural parameters for homogeneous and interfacial charge-transfer reactions: Case studies based on time-dependent Raman scattering methods
[AD-A235570] 19 p3157 N91-27453
Ultrafast measurements on direct photoinduced electron transfer in a mixed valence complex
[AD-A235572] 19 p3241 N91-27924
HUPPMANN, GERHARD
Fuel cells for commercial energy
[MBB-UE-0018-90-PUB] 23 p3889 N91-31706
HUR, HONG B.
Modeling a rain-induced mixed layer
[AD-A238022] 21 p3546 N91-29702
HURBAN, THERESA
Aerobrake assembly with minimum Space Station accommodation
[NASA-TM-102778] 13 p2034 N91-21183
HURD, A. J.
Dip coating of sol-gels
[DE91-007571] 13 p2154 N91-21872
HURFORD, GORDON
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
HURKX, GODEFRIDUS ADRIANUS MARIA
On the modelling of downscaled bipolar transistors
[ETN-91-99172] 14 p2260 N91-22503
HURLBURT, H. E.
Notes on the NOARL nowcast for the 1989 to 1990 El Nino forced by FNOC winds
[AD-A223520] 02 p0242 N91-11347
A 1/8 degree model of the north Pacific Ocean
[AD-A228957] 09 p1369 N91-17526
HURLEY, C.
Thermal control materials 16 p2716 N91-25038
HURLEY, DONNA L.
Radioactivities of Long Duration Exposure Facility (LDEF) materials: Baggage and bonanzas 16 p2708 N91-24984
HURLEY, JOHN S.
A study of the applicability of gallium arsenide and silicon carbide as aerospace sensor materials 04 p0595 N91-13320
HURLEY, K.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
HURLEY, KEVIN
Analysis of gamma-ray burst energy spectra
[DE91-006686] 10 p1625 N91-18965
HURRASS, KARLHEINZ
Testing of a GPS receiver
[ESA-TT-1146] 03 p0311 N91-11742
HURRELL, JAMES WILSON
Maintenance of short-term subtropical wind maxima in the Southern Hemisphere: Observational and modeling study 15 p2466 N91-23665
HURST, DALE FREDERICK
Seasonal variations in the latitudinal distribution of tropospheric carbon monoxide, 1986 to 1988 02 p0238 N91-11328
HURST, G. B.
Screening volatile organics by direct sampling ion trap and glow discharge mass spectrometry
[DE91-007708] 11 p1680 N91-19258
Direct-sampling MS measurement of volatiles in environmental samples
[DE91-013417] 21 p3537 N91-29653
HURST, K. A.
Modelling of land based air defence systems in research and procurement support 07 p1045 N91-15737
HURTAK, O.
On optimization of the large launching structures for the lower hybrid current drive
[IPPCZ-296] 03 p0419 N91-12346
Multijunction grill response to ponderomotive effects as plasma periphery
[IPPCZ-303] 17 p2866 N91-25851
HURTL, HEIDEMARIE V.
Productivity and photosynthesis of selected crop plants under orbital light conditions: An approach to solar powered CELSS 11 p1756 N91-19662
HURTUBISE, R. J.
Solid-surface luminescence analysis
[DE91-010000] 17 p2756 N91-25257
HURWITZ, FRANCES I.
Polymeric routes to silicon carbide and silicon oxycarbide CMC
[NASA-TM-104372] 18 p2943 N91-26234
HURWITZ, MARK
New measurements of the far ultraviolet scattering properties of interstellar dust 06 p0888 N91-14909
HURWITZ, MARK VIGLINO
Studies of the diffuse background and interstellar dust at far ultraviolet wavelengths 15 p2527 N91-24003
HURYSZ, B.
Analysis of electromagnetic interference from power system processing and transmission components for Space Station Freedom
[NASA-CR-186564] 22 p3663 N91-30393
HUSAIN, IMAD AHMED
Finite element and boundary element methods for elastoplastic stress analysis of two-dimensional and axisymmetric problems 05 p0675 N91-13755
HUSAR, RUDOLF B.
Organization, access, and exploration facilities for large geophysical databases: DATSAV surface meteorological data
[AD-A225132] 03 p0427 N91-12394
Visibility data filters for Europe
[AD-A225985] 04 p0549 N91-13046
HUSBY, D. M.
Nearshore physical oceanography off the Central California coast during May-June, 1989: A summary of CTD data from juvenile rockfish surveys
[PB91-191817] 22 p3712 N91-30660
HUSK, G. R.
Chemistry related to semiconductor growth involving organometallics
[AD-A229489] 22 p3758 N91-30947
HUSS, J. ROWLAND
Structural response of marine sandwich panels to uniform pressure loading
[AD-A227038] 06 p0803 N91-14434
HUSSAIN, FAZLE
Basic studies of microstructure of combusting turbulent flows
[AD-A234222] 18 p2983 N91-26471
HUSSAIN, MUHAMMAD IMTIAZ
Computational fluid dynamics 23 p3864 N91-31544
HUSSAINI, M. Y.
Direct simulation of compressible turbulence 02 p0144 N91-10847
Non linear evolution of a second mode wave in supersonic boundary layers 02 p0145 N91-10848
Toward the large-eddy simulation of compressible turbulent flows
[NASA-CR-187460] 05 p0657 N91-13650
Filtering analysis of a direct numerical simulation of the turbulent Rayleigh-Benard problem
[NASA-CR-187488] 11 p1701 N91-19366
Direct simulation of compressible turbulence in a shear flow
[NASA-CR-187537] 12 p1831 N91-20061
Non-linear interaction of a detonation/vorticity wave
[NASA-CR-187550] 15 p2425 N91-23434
HUSSAINI, M. YOUSUFF
On the linear stability of compressible plane Couette flow
[NASA-CR-187610] 22 p3613 N91-30097
HUSSEY, KEVIN
Three-dimensional perspective visualization 14 p2357 N91-23038
HUSSEY, TOM
Sodium-neon resonant photoexcitation soft x ray laser experiments on Saturn
[DE90-014946] 01 p0046 N91-10275
HUSTON, RONALD L.
A new procedure for calculating contact stresses in gear teeth
[NASA-CR-187094] 14 p2270 N91-22562
Contact stresses in gear teeth: A new method of analysis
[NASA-TM-104397] 14 p2272 N91-22570
HUSUNG, DIETER
Columbus elements processing needs at KSC
[MBB-UO-0092-90-PUB] 01 p0018 N91-10108
HUTCHBY, J. A.
Graded-bandgap AlGaAs solar cells for AlGaAs/Ge cascade cells 11 p1667 N91-19186
HUTCHINGS, J. B.
Tidal events and galactic activity 08 p1255 N91-16911
HUTCHINGS, R. B.
Effect of prior mechanical deformation on hydrogen transport through 13 percent chromium martensitic stainless steel
[NPL-DMM(A)-14] 24 p3975 N91-32202
HUTCHINS, NANCY
The 1989 JSC bibliography of scientific and technical papers
[NASA-TM-102173] 11 p1813 N91-19959
HUTCHINS, PHILLIP M.
Characterization of blood drawn rapidly for use in blood volume expansion studies: An animal model for simulated weightlessness 14 p2204 N91-22175
HUTCHINSON, B. J.
RSRM-11 (36OW011) ballistics mass properties (STS-35)
[NASA-CR-184107] 12 p1858 N91-20203
HUTCHINSON, D. P.
Initial calorimetry experiments in the Physics Divsion, ORNL (Oak Ridge National Laboratory)
[DE90-010301] 08 p1226 N91-16756
HUTCHINSON, G. L.
Seasonal nitrous oxide flux from an intensively managed pasture in a humid subtropical ecosystem 19 p3267 N91-28071
HUTCHINSON, JOHN
Aviation safety enhancements through the international aircraft database research project 10 p1455 N91-18020
HUTCHINSON, JOHN J.
International aircraft operator information system, phase 2
[NIAR-90-31] 07 p1077 N91-15928
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
HUTCHINSON, ROBERT A.
The cost of information systems modernization: A comparison of options for life-cycle project management systems
[AD-A230675] 12 p1999 N91-21001

HUTCHINSON, W.
The physical and chemical state of Westinghouse Phosphoric Acid Fuel Cell assemblies after long term operation: Surface and near-surface analysis
[DE90-015055] 01 p0063 N91-10382
HUTCHINSON, WARREN K.
LES-8/9 spectrum-survey techniques
[AD-A230092] 12 p1881 N91-20341
A design for an electro-optic implementation of a wideband nulling system
[AD-A230152] 12 p1882 N91-20344
Geolocation of frequency-hopping transmitters via satellite
[AD-A230373] 12 p1883 N91-20351
HUTCHISON, R.
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011
HUTNIK, H.
Quasi-static modeling of chain-dynamics in the amorphous glassy polycarbonate of 4,4'-isopropyledenediphenol
[AD-A237289] 21 p3486 N91-29343
HUTNIK, M.
An atomistic model of the amorphous glassy polycarbonate of 4,4'-isopropylidenediphenol
[AD-A237291] 21 p3487 N91-29345
The molecular view of plastic deformation and precursor processes of crazing in glassy polypropylene and polycarbonate
[AD-A237333] 21 p3487 N91-29346
Conformational characteristics of the polycarbonate 4,4'-isopropylidenediphenol
[AD-A237334] 21 p3487 N91-29347
HUTNIK, MICHELLE
Simulation of the structure of dense, amorphous bisphenol-A polycarbonate
[AD-A237222] 21 p3474 N91-29270
HUTSON, M. L.
Notes on lunar ilmenite 17 p2750 N91-25221
Enstatite chondrites and achondrites as asteroidal resources 17 p2907 N91-26056
HUTSON, SCOTT D.
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867
HUTTE, RIC
A new instrumental technique for the analysis of high energy content fuels
[AD-A230130] 12 p1877 N91-20319
HUTTENLOCHER, JANELLEN
Categories and particulars: Prototype effects in estimating spatial location
[AD-A234955] 18 p3033 N91-26741
HUTTER, ADAM R.
Rn222, Rn222 progeny and Rn220 progeny as atmospheric tracers of air masses at the Mauno Loa Observatory
[DE90-014872] 01 p0093 N91-10539
HUTTON, LINDA VAUGHT
The integration of women into US Navy aircrew training and squadron assignments 02 p0244 N91-11359
HUTTUNEN, PEKKA A.
Positron interactions on solid surfaces and at bilayered structures
[PH-166] 03 p0424 N91-12376
HUVAL, DANNY JAMES
Heat transfer in variable density, low Mach number, stagnating turbulent flows 02 p0209 N91-11171
HUXFORD, T. J.
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
HUYGEN, A.
Multispectral target detection using image processing programs developed on PC's
[FEL-89-B304] 05 p0704 N91-13925
HUYGEN, J.
Estimation of rainfall in Zambia using METEOSAT-TIR data
[BCRS-89-43] 04 p0548 N91-13041
Estimation of rainfall in Zambia using METEOSAT-TIR data
[REPT-12] 10 p1557 N91-18563
HUYNH-BA, GIA
Cocrystallization in blends of poly(butylene terephthalate) and poly(ester-ether) segmented block copolymers
[DE91-012224] 20 p3329 N91-28438
HUYNH, H. T.
Handling qualities guidelines for the design of fly-by-wire flight control systems for transport aircraft
15 p2371 N91-23119
HUYNH, HUNG T.
Accurate monotone cubic interpolation
[NASA-TM-103789] 12 p1969 N91-20830
HUYNH, HUU THANH
Computation of sub-optimal real-time guidance laws for combat aircraft trajectories 02 p0167 N91-10970
HUYNH, LOC C.
Comparisons of elastic and rigid blade-element rotor models using parallel processing technology for piloted simulations
[NASA-TM-102859] 24 p3948 N91-32071
HWANG, B. C.
A review of near-wall Reynolds-stress
[NASA-CR-4369] 14 p2187 N91-22080
HWANG, C. C.
Modification of the 'TEACH' computer code for use in a study of swirling turbulent flows
[DE91-010492] 21 p3511 N91-29496
HWANG, CHING-CHYWAN
Propfan supersonic panel method analysis and flutter predictions 08 p1092 N91-15993
HWANG, D. P.
Evaluation of panel code predictions with experimental results of inlet performance for a 17-inch ducted prop/fab simulator operating at Mach 0.2
[NASA-TM-104428] 17 p2728 N91-25106
HWANG, FU-KWUN
Measurement of magnetic properties of confined compact toroid plasma (spheromak)
[DE91-012397] 20 p3418 N91-28950
HWANG, HO-LING
Modified seasonal factors in exponential smoothing
[DE91-002802] 06 p0849 N91-14688
HWANG, HYUN J.
The structure of the cyclohexyl radical from state-selective photofragment translational spectroscopy of the axial and equatorial conformers of iodocyclohexane
[AD-A236769] 19 p3242 N91-27934
HWANG, IN HEE
Thermo-viscoelastic behavior of composite materials
15 p2393 N91-23243
HWANG, IN HEON
XeCl laser pumped iodine laser using t-C4F9I
19 p3275 N91-28117
HWANG, JING-SHIANG
Numerical solutions for Bayes sequential decision approach to bioequivalence problem
[AD-A236707] 19 p3238 N91-27904
HWANG, K. S.
Pressure and current balance conditions during electron beam injections from spacecraft
09 p1405 N91-17732
HWANG, S. J.
Experimental study of flat-plate structures under vertical and lateral loads
[PB91-164350] 19 p3182 N91-27594
HWANG, SEUNG J.
Microstructure, plastic deformation and mechanical properties of mechanically alloyed NiAl and NiAl based alloys
[AD-A235135] 18 p2954 N91-26303
HWANG, WARREN C.
Photochemical spacecraft self-contamination: Laboratory results and systems impacts
[AD-A226488] 04 p0493 N91-12739
HWANG, YONG K.
Practical path planning among movable obstacles
[DE91-000034] 11 p1781 N91-19768
HWU, WEN-MEI W.
The effect of code expanding optimizations on instruction cache design
[NASA-CR-188467] 16 p2672 N91-24789
Performance implications of synchronization support for parallel FORTRAN programs
[AD-A238493] 21 p3561 N91-29790
HYATT, KENNETH J.
Numerical analysis of critical inclinations about the planet Mars
[AD-A230613] 12 p2007 N91-21049
HYATT, MARK J.
Crystallization and properties of Sr-Ba aluminosilicate glass-ceramic matrices
[NASA-TM-103764] 11 p1689 N91-19308
HYBERTSEN, MARK S.
Renormalization from density functional theory strong coupling models for the electronic structure of La2CuO4
[DE90-015990] 01 p0129 N91-10765
HYDES, D. J.
CTDO and nutrient data from Charles Darwin cruise 50 in the Iceland Faeroes region
[IOS-282-1991] 22 p3712 N91-30664
HYER, M. W.
A study of the response of nonlinear springs
[NASA-CR-188602] 17 p2859 N91-25807
HYER, MICHAEL W.
Large deformation behavior of long shallow cylindrical composite panels
[NASA-CR-4355] 13 p2100 N91-21557
Thermal buckling and postbuckling of symmetrically laminated composite plates
[NASA-CR-188030] 13 p2100 N91-21560
The influence of time-dependent material behavior on the response of sandwich beams
[NASA-CR-188029] 14 p2274 N91-22577
The development and evaluation of an alternative powder prepregging technique for use with LaRC-TPI/graphite composites
[NASA-CR-188184] 15 p2392 N91-23242
HYLAND, A. R.
An infrared jet in Centaurus A (NGC 5128): Evidence for interaction between the active nucleus and the interstellar medium 05 p0749 N91-14175
HYLAND, A. R. HARRY
PAH emission from Nova Cen 1986
06 p0890 N91-14921
HYLAND, DAVID C.
Active nonlinear feedback control for aerospace systems: Processor
[AD-A231929] 14 p2196 N91-22130
Active and passive vibration suppression for space structures 14 p2231 N91-22343
High performance, accelerometer-based control of the Mini-MAST structure at Langley Research Center
[NASA-CR-4377] 16 p2565 N91-24222
Experimental verification of an innovative performance-validation methodology for large space systems
[AD-A237864] 21 p3465 N91-29214
HYLAND, S. L.
High temperature deformation of silicon
[DE91-009102] 13 p2054 N91-21305
HYMAN, J. M.
Identification and determination of solitary wave structures in nonlinear wave propagation
[DE91-004866] 10 p1525 N91-18400
HYMAN, WILLIAM A.
Improvements in data acquisition technology for maintenance management systems
[PB91-164418] 22 p3766 N91-30993
HYMERS, R.
Cost effective electronic components for short life space missions 24 p4004 N91-32387
HYNES, ROBERT
Chemical reduction of intermodulation interference caused by metal-oxide-metal junctions aboard ship
[AD-A239530] 23 p3812 N91-31265
HYPES, W. D.
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068
HYPES, WARREN D.
Single launch lunar habitat derived from an NSTS external tank
[NASA-TM-4212] 05 p0765 N91-14251
HYVOENEN, EERO
Constraint reasoning with incomplete knowledge: The tolerance propagation approach
[VTT-72] 17 p2841 N91-25700

I

IACOANGELI, A.
The OASI observatory in Antarctica
13 p2179 N91-22036
IACONO, M.
Natural and anthropogenic climate change
[DE91-014734] 20 p3371 N91-28673
IACONO, M. J.
Natural and anthropogenic climate change
[DE91-007363] 11 p1733 N91-19532
IANCU, O.
Calculations of residual stresses in ceramic soldered joints 05 p0640 N91-13549
IANNI, JOHN D.
Design Evaluation for Personnel, Training, and Human factors (DEPTH)
[AD-A224757] 09 p1372 N91-17542
IANNO, N. J.
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306
IASCONE, DOMINICK
Climate data system supports FIRE
01 p0075 N91-10455
IBA, WAYNE
A short review of human motor behavior: Phenomena, theories, and systems
[AD-A226271] 04 p0552 N91-13060
An integrated cognitive architecture for autonomous agents
[AD-A225701] 04 p0555 N91-13076
IBADOV, SUBHON
Interstellar dust as generator of x ray radiation
06 p0889 N91-14910

IBANEZ-ESPIGA, MARIA-BLANCA
Parallel inference and communication process for Horn clause. First order extension by connection method
[ETN-90-97825] 01 p0112 N91-10652
IBANEZ-MEIER, RODRIGO
Nuclear magnetic resonance survey of hydrogen motion and electronic structure in (alpha)-phase (Nb-Mo)-H alloys
[DE90-018044] 02 p0197 N91-11101
IBANEZ, M. H.
Linear stability and MHD wave propagation in plasmas with solar abundances 06 p0917 N91-15056
On the thermal stability of slabs, cylinders, and spheres 06 p0917 N91-15057
IBARS, PHILIPPE
Contribution of low wave numbers to the wall pressure field in a two dimensional turbulent boundary layer: Comparison of different experimental techniques
[ECL-90-15] 23 p3783 N91-31091
IBELE, W. E.
Numerical prediction of turbulent oscillating flow and associated heat transfer
[NASA-CR-187177] 21 p3516 N91-29524
IBEN, G. R.
Quantitative infrared determination of composition and properties of Borophosphosilicate Glass (BPSG) thin films using multivariate calibration
[DE90-017030] 09 p1319 N91-17243
IBRAGIMOV, IIDAR
On density estimation in the view of Kolmogorov's ideas in approximation theory
[CWI-BS-R8928] 02 p0264 N91-11477
IBRAHIM, K. Y.
Resource envelope concepts for mission planning
[NASA-TP-3139] 21 p3464 N91-29209
IBRAHIM, MOUNIR B.
A 2-D oscillating flow analysis in Stirling engine heat exchangers
[NASA-TM-103781] 11 p1702 N91-19375
ICE, G. E.
X ray microprobe-microscopy
[DE90-017327] 02 p0271 N91-11520
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811
X ray determination of site occupation parameters in ordered ternaries Cu(Au(x)M(1-x))M = Ni,Pd
[DE91-007861] 11 p1809 N91-19937
X ray microimaging of elemental composition and microstructure for materials science
[DE91-012052] 20 p3358 N91-28601
X ray microimaging of elemental composition and microstructure for materials science
[DE91-012221] 20 p3398 N91-28832
Development of nanovolt-resolution x ray diffraction using resonant nuclear scattering
[DE91-012217] 20 p3400 N91-28847
ICHIKAWA, Y.
Development of an atmospheric diffusion evaluation method incorporating thermal and topographical effects. 4: Turbulence intensity estimation methods using observation results
[DE91-736742] 09 p1360 N91-17477
Development of an atmospheric diffusion evaluation method incorporating thermal and topographical effects, part 3
[DE91-736741] 10 p1542 N91-18488
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
ICHIKAWA, YOSHI H.
Soliton on thin vortex filament
[NIFS-63] 10 p1593 N91-18785
Stabilities of regular motion in the relativistic standard map
[NIFS-73] 13 p2157 N91-21894
Regular motion and symmetry in the relativistic standard map 20 p3414 N91-28933
Solitons and chaos in plasma 20 p3416 N91-28943
Nonlinear dynamics of the relativistic standard map
[DE91-014368] 20 p3421 N91-28972
ICHIMURA, M.
Mode conversion of Alfven waves induced by quadrupole magnetic field modulation 20 p3413 N91-28924
ICHIMURA, MAKOTO
Axial pressure profile effects on flute interchange stability in the tandem mirror GAMMA 10
[NIFS-98] 24 p4104 N91-32934
IDA, K.
Study on H-mode and improved confinement in JFT-2M 10 p1599 N91-18819
Electric field profile of CHS heliotron torsatron plasma with tangential neutral beam injection
[NIFS-60] 10 p1602 N91-18838
Observation of parallel viscosity in the CHS heliotron/torsatron
[NIFS-70] 13 p2157 N91-21891
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956
IDA, NATHAN
Detection of reflector surface from near field phase measurements
[NASA-CR-187948] 12 p1880 N91-20335
IDAN, MOSHE
An identification algorithm based on smoothing 17 p2831 N91-25642
IDE, J. P.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
The United Kingdom waveguide power standards above 40 GHz
[NPL-DES-105] 24 p4005 N91-32395
IDE, P. J.
The United Kingdom waveguide power standards above 40 GHz
[RSRE-90023] 15 p2500 N91-23845
IDOL, ROBERT F.
Vibratory loads data from a wind-tunnel test of structurally tailored model helicopter rotors
[NASA-TM-4265] 19 p3099 N91-27120
IDONE, V.
Observations of bi-directional leader development in a triggered lightning flash 24 p4054 N91-32649
IDOSOR, FLORENTINO
Comparison of NASTRAN analysis with ground vibration results of UH-60A NASA/AEFA test configuration
[NASA-CR-184565] 01 p0056 N91-10333
IE, C. A.
A new beam theory using first-order warping functions 01 p0051 N91-10307
IEK, C.
Evaluation of panel code predictions with experimental results of inlet performance for a 17-inch ducted prop/fab simulator operating at Mach 0.2
[NASA-TM-104428] 17 p2728 N91-25106
IEROTHEOU, CONSTANTINOS SAVVAS
The simulation of fluid flow processes using vector processors 22 p3643 N91-30276
IESS, L.
The rotation of Lageos
[IFSI-90-10] 02 p0239 N91-11333
IGAR, KARYN
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
IGELSIAS, C. A.
Absorption measurements of radiatively heated low-Z materials
[DE91-011182] 17 p2867 N91-25861
IGLEHART, DONALD L.
Simulation methodology
[AD-A238113] 21 p3557 N91-29765
Diffusion approximations for complex repair systems
[AD-A238100] 21 p3568 N91-29836
IGLESIAS, C. A.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
IGNATIEV, ALEX
Production of solar photovoltaic cells on the Moon 17 p2905 N91-26044
Solar cells for lunar applications by vacuum evaporation of lunar regolith materials 17 p2906 N91-26047
IGNATOVA, O. V.
Protective functions of skin 01 p0096 N91-10555
IGNATYUK, A. N.
Combined effect of noise and vibration on cells of auditory and vestibular apparatus 18 p3026 N91-26707
IGUCHI, H.
Electric field profile of CHS heliotron torsatron plasma with tangential neutral beam injection
[NIFS-60] 10 p1602 N91-18838
Observation of parallel viscosity in the CHS heliotron/torsatron
[NIFS-70] 13 p2157 N91-21891
IH, CHARLES S.
Holographic optical head
[AD-A229192] 09 p1340 N91-17358
IIDE, S.
Sixteen hundred cubic meter acoustic test facility 07 p0952 N91-15229
IIMURA, RUSSELL MAKOTO
ICHARM: Hierarchical CMOS circuit extraction with power bus extraction
[AD-A228613] 08 p1135 N91-16245
IIYOSHI, A.
Development of the stellarator/heliotron research
[NIFS-84] 24 p4108 N91-32957
IIZUKA, MASARU
Convergence of one-dimensional diffusion processes to a jump process related to population genetics
[AD-A232121] 15 p2496 N91-23826
IKEDA, Y.
Experimental study on mercury heat pipes (on effect of screen mesh wick under bottom heat mode) 08 p1141 N91-16280
IKELS, KENNETH G.
Refurbishing AV-8 on-board oxygen generation system beds
[AD-A235083] 18 p2925 N91-26136
IKEUCHI, KATSUSHI
A perception and manipulation system for collecting rock samples 12 p1939 N91-20669
The 3-D object pose determination using complex EGI
[AD-A230112] 12 p1969 N91-20832
A 3D-object reconstruction system integrating range-image processing and rapid prototyping
[AD-A233577] 16 p2671 N91-24783
IKEYA, T.
Nickel/metal hydride rechargeable battery technology assessment: Prognosis for load-conditioner use
[DE91-736748] 10 p1516 N91-18349
Charge discharge characteristic of Li/MoS2 multicell including an overcharged cell and an overdischarged cell
[DE91-742132] 10 p1520 N91-18369
Evaluation of cathode materials for high energy lithium secondary batteries
[DE91-764240] 15 p2417 N91-23385
IKIN, A. F.
Affinity chromatography purification of the NMDA/phencyclidine receptor complex 14 p2293 N91-22683
IKOMA, NORIKAZU
Solution of inverse problem of fuzzy relational equation by using perceptron model 13 p2141 N91-21786
ILES, P. A.
Status of GaAs/Ge solar cells 11 p1667 N91-19185
Graded-bandgap AlGaAs solar cells for AlGaAs/Ge cascade cells 11 p1667 N91-19186
Recent advances in GaAs/Ge solar cells 22 p3632 N91-30211
Radiation resistance of Ge, Ge0.93Si0.07, GaAs and Al0.08Ga0.92 as solar cells 22 p3637 N91-30240
ILES, PETER A.
Potential converter for laser-power beaming 22 p3635 N91-30228
ILG, KARL-HEINZ
The physical properties of a pyrotechnical circuit element
[MBB-UA-1192-90-PUB] 23 p3821 N91-31317
ILGNER, R. H.
Rapid determination of drugs and semivolatile organics by direct thermal desorption ion trap mass spectrometry
[DE91-008885] 13 p2050 N91-21278
ILIN, V. K.
The mechanism of the drug resistance of escherichia in cosmonauts 10 p1560 N91-18578
ILIN, YE. A.
Biological experiments on Kosmos-1887 Biosatellite 19 p3211 N91-27751
ILLARIONOV, A. F.
The plasma model of radioemission from SN 1987A 06 p0923 N91-15101
ILLES, JUDY
Empirical network model of human higher cognitive brain functions
[AD-A227193] 06 p0855 N91-14718
ILLINGWORTH, A. J.
Comparison of lightning location data and polarisation radar observations of clouds 24 p4065 N91-32710
ILLINGWORTH, ANTHONY J.
Polarization radar studies of precipitation: Implementation of the technique and data interpretation
[AD-A227073] 06 p0849 N91-14690
ILLINGWORTH, GARTH
UV-optical from space 24 p4119 N91-33021
ILYINA-KAKUYEVA, YE. I.
Effects of 13 day space flight on skeletal muscles and neuromuscular junctions in rats 18 p3026 N91-26703
IM, H. S.
Mass resolved excitation spectroscopy of benzyl and phenylnitrene radicals
[AD-A239394] 23 p3812 N91-31264
IM, JAE J.
Characterization of slow and fast phase nystagmus
[NASA-CR-188452] 17 p2821 N91-25589
IMADA, G.
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968

IMADACHE, A.
Classification of IUE low-dispersion stellar spectra
09 p1447 N91-17980

IMAE, MICHITO
Precise measurement method for ionospheric total electron content using signals from GPS satellites
17 p2853 N91-25774

IMAM, M. S.
Method of producing superconducting materials in bulk form
[AD-D014656] 11 p1806 N91-19917

IMAOKA, ATSUSHI
Time concurrency/phase-time synchronization in digital communications networks 17 p2856 N91-25789

IMASAKI, K.
Two-stage ion diode experiments on induction adder
11 p1801 N91-19884

IMBERT, JEAN-PIERRE
Comparisons between underwater and space working environments for on board activities optimization (Columbus space programme) 15 p2450 N91-23574

IMBERT, NICOLE
Four dimensional navigation in air traffic with 4-D navigation aircraft 02 p0174 N91-10991

IMBRIALE, W. A.
Linear-phase approximation in the triangular facet near-field physical optics computer program
03 p0354 N91-11978

IMHOFF, C.
Science observations with the IUE using the one-gyro mode 09 p1447 N91-17979

IMHOFF, MARC L.
Generation of topographic terrain models utilizing synthetic aperture radar and surface level data
[NASA-CASE-GSC-13212-1] 24 p4035 N91-32546

IMLAY, RICHARD
Research in elementary particle physics
[DE90-017278] 01 p0120 N91-10708

IMLAY, SCOTT I.
Turbulent swirling flow in combustor/exhaust nozzle systems
[AD-A236861] 19 p3164 N91-27499

IMMARIGEON, J.-P.
Rejuvenation of service exposed alloy 713C turbine blades
[NAE-LTR-ST-1716] 21 p3458 N91-29179
The failure of components in power generation equipment
[NAE-LTR-ST-1774] 21 p3458 N91-29180
Intermetallics: Canadian perspective
[NAE-LTR-ST-1771] 21 p3478 N91-29288
Metal injection moulding: A brief review
[NAE-LTR-ST-531] 21 p3478 N91-29289

IMMERMANN, M. W.
Defective embryogenesis of Arabidopsis induced by cosmic HZE-particles 11 p1760 N91-19682

IMPELLUSO, T. J.
Development of a mixture for nonlinear wave propagation in fiber-reinforced composites
[AD-A237471] 21 p3470 N91-29243

IMRE, K.
Non-geometrical optics study of wave propagation
[DE91-010616] 16 p2691 N91-24896

IMTHURN, GEORGE P.
Fiber bundle homogenizer and method utilizing same
[AD-D014599] 07 p1007 N91-15526

INABA, T.
Survey on electron beam processing technologies
[DE91-759126] 13 p2153 N91-21866

INADA, F.
Vibration characteristics of rotor containing boiling coolant
[DE91-742145] 10 p1536 N91-18454

INAGAKI, SHINJI
Calculation of high speed flow about winged body
04 p0466 N91-12613

INAGAKI, T.
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828

INAGAKI, TAKESHI
On a simple evaluation of anomalies from the path integral measure
[DE90-513707] 02 p0265 N91-11484

INAGAKI, TOSHIHARU
The establishment and performance test of PAPI (Precision Approach Path Indicator) System for NAL STOL aircraft
[NAL-TM-579] 01 p0006 N91-10030
Flight evaluation test of the PAPI (Precision Approach Path Indicator) System
[NAL-TM-592] 02 p0167 N91-10966

INAN, UMRAN S.
Modification of the lower ionosphere in lightning-induced electron precipitation events and through VLF heating
10 p1553 N91-18539

INCE, A. NEJAT
Considerations for NATO satellite communications in the post 2000 era
[AGARD-AG-330] 20 p3334 N91-28465

INCHEKEL, A.
Study of precipitation and deformation characteristics of the aluminum-lithium alloy by x ray double crystal diffractometry
[NIAR-90-25] 09 p1312 N91-17200
Effects of induced surface scratches on the fatigue of aeronautical materials 10 p1454 N91-18017
Study of the aging and deformation characteristics of Al-Li alloys by x-ray analysis 10 p1455 N91-18018
Assessment of material parameters governing the plastic deformation in uniaxial tension of Al-Li alloys
10 p1455 N91-18019

INCHEKEL, AMAR
Stretch formability of sheets of Al-Li alloys, part 2
[NIAR-91-10] 14 p2246 N91-22428
Effects of surface generated scratches on the fatigue life of Al-Li alloys, part 1
[NIAR-91-9] 14 p2246 N91-22429
X ray rocking curve analysis of aging and deformation characteristics in Al-Li alloys
[NIAR-91-5] 14 p2247 N91-22431

INCROPERA, F. P.
Modeling of dendritic solidification systems: Reassessment of the continuum momentum equation and application to solidification of a lead-tin alloy
[DE91-008228] 12 p1871 N91-20281

INDIRESHKUMAR, K.
Particle transport with ICRH and ECRH in tokamaks
[PB91-106005] 09 p1401 N91-17712

INDRAWIRAWAN, H.
Internal friction peaks due to interstitials in bcc alloys
[DE91-007411] 11 p1683 N91-19272

INDUSI, J. P.
A cable vehicle barrier for alert aircraft protection
[DE91-001723] 06 p0787 N91-14354

INDVIK, RANDAL G.
Dictionary of contracting and acquisition terms related to the pre-award phase of contracting
[AD-A229533] 22 p3763 N91-30976

INESON, JUDITH
Evaluation of virtual cockpit concepts during simulated missions
[RAE-TM-MM-36] 12 p1889 N91-20385

INFANGER, GERD
Large-scale stochastic linear programs: Importance sampling and Benders decomposition
[AD-A234962] 18 p3041 N91-26789
Monte Carlo (importance) sampling within a benders decomposition algorithm for stochastic linear programs extended version: Including results of large-scale problems
[AD-A236419] 19 p3229 N91-27851

INGALLS, R. L.
X ray and gamma ray spectroscopy of solids under pressure
[DE91-016948] 23 p3812 N91-31263

INGALLS, ROBERT L.
X ray and gamma ray spectroscopy of solids under pressure
[DE91-005566] 09 p1412 N91-17769

INGBER, M. S.
A numerical approach for modelling cavitating flows
[DE91-009178] 20 p3342 N91-28505

INGEBO, ROBERT D.
Dropsize correlation for cryogenic liquid-jet atomization
[NASA-TM-103646] 03 p0368 N91-12064
Cryogenic liquid-jet breakup in two-fluid atomizers
[NASA-TM-103734] 11 p1707 N91-19402
Spray measurements of aerothermodynamic effect on disintegrating liquid jets
[NASA-TM-104501] 19 p3167 N91-27510

INGELS, FRANK M.
Space lab system analysis: Advanced Solid Rocket Motor (ASRM) communications networks analysis
[NASA-CR-184103] 10 p1491 N91-18209

INGERSOLL, D.
Development of an explosive vapor generator
[DE91-015700] 21 p3494 N91-29386

INGERSOLL, D. T.
Radiation shielding requirements for manned deep space missions
[DE91-010723] 17 p2822 N91-25593

INGMANN, PAUL
The physics and instrumentation of passive atmospheric sounding: A review of the methods of remote sensing of temperature and moisture in the Earth's lower atmosphere
[ESA-STR-231] 24 p4044 N91-32597

INGRAFFEA, ANTHONY R.
Probabilistic fracture mechanics: A validation of predictive capability
[AD-A228877] 08 p1164 N91-16409

INGRAHAM, J. C.
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
Fast electron studies in the ZT-40M edge plasma
[DE91-002323] 06 p0875 N91-14838

INGRAHAM, JOHN C.
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739

INGRAHAM, RICHARD L.
A survey of nonlinear dynamics (chaos theory)
[AD-A237802] 21 p3566 N91-29621

INGRAM, D. C.
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306

INGRAM, K.
Effects of UV-B and global climate change on Rice Research Plan
[PB91-109983] 09 p1361 N91-17478

INJEYAN, H.
Nonlinear optics technology. Volume 1: Solid state laser technology, phase 3
[AD-A233533] 16 p2690 N91-24891

INKOL, ROBERT J.
Filter system for radar applications
[PATENT-1-273-409] 23 p3858 N91-31512
Reconfigurable parameter filter
[PATENT-1-264-072] 23 p3858 N91-31513

INLOW, MARK
The P300 component of the auditory event-related potential: Interlaboratory consistency and test-retest reliability
[AD-A235114] 18 p3029 N91-26725

INMAN, DANIEL J.
Vibration suppression and slewing control of a flexible structure 14 p2231 N91-22339
Candidate proof mass actuator control laws for the vibration suppression of a frame
14 p2231 N91-22340
Analytical and experimental modeling and control of flexible structures
[AD-A235523] 19 p3174 N91-27548

INNANEN, KIMMO A.
The 1990 MB: The first Mars Trojan
17 p2894 N91-25996

INNOCENTI, MARIO
Metrics for roll response flying qualities
15 p2371 N91-23118

INOKUTI, MITIO
Atomic and molecular theory
[DE91-004475] 05 p0714 N91-13983

INOUE, ATUSHI
Generation of 3-D grid using boundary element method 04 p0455 N91-12545

INOUE, KENJI
Coning motion of slender bodies at high angles of attack
[NAL-TR-1059] 13 p2019 N91-21111

INOUE, MARIO TAKAO
Spectral reflectance of leaves ex situ: A methodological approach
[INPE-5233-PRE/1673] 22 p3697 N91-30584

INOUE, MASAHIRO
A zonal approach for solutions to the compressible Navier-Stokes equations using a TVD finite volume method 04 p0455 N91-12539
Numerical simulation of unsteady compressible viscous flows using an implicit upwind relaxation scheme
24 p3944 N91-32041

INOUE, OSAMU
Simulation of excited shear flows
08 p1139 N91-16270

INOUE, S.
Research on aerodynamic control of blade tip clearance flow in air-cooled turbine
[DE91-764223] 15 p2381 N91-23182

INOUE, SHIGEO
Effects of coolant injection on turbine aerodynamic characteristics. Part 1: Test turbine and apparatus
[NAL-TM-585-PT-1] 01 p0010 N91-10059
Experimental investigation on the effect of coolant injection on turbine aerodynamic characteristics. Part 2: Effects of injection from rotor casing with 30 deg slanted holes
[NAL-TM-587-PT-2] 01 p0010 N91-10060

INTANO, GABRIEL P.
The selection of an experimental test battery for aviator cognitive, psychomotor abilities, and personal traits
[AD-A231887] 14 p2300 N91-22710
Formulative evaluation study of a prototype near-infrared projection system: Night vision goggle study
[AD-A231759] 16 p2664 N91-24739

INTERRANTE, L. V.
Design and synthesis of CVD precursors to thin film ceramic materials
[AD-A225759] 04 p0507 N91-12815
A program in the chemistry of electronic materials. Task 1: New organometallic precursors for the low pressure chemical vapor deposition of refractory materials for electronics
[AD-A234315] 18 p2961 N91-26342
INTERRANTE, LENARD V.
Cyclic (AlN)(sub n) compounds as precursors to aluminum nitride: Synthesis and structures of ((CH3)2AlNH2)3 and the planar species ((t-C4H9)2AlNH2)3
[AD-A226866] 07 p0985 N91-15404
INTERRANTE, LEONARD V.
Organometallic precursor routes to Si-C-Al-O-N ceramics
[AD-A237753] 21 p3488 N91-29355
INTHOUT, K. J.
The stability of a class of Runge-Kutta methods for delay differential equations
[TW-90-05] 14 p2320 N91-22809
INTRATOR, NATHAN
Feature extraction using an unsupervised neural network
[AD-A235581] 19 p3234 N91-27880
INUI, M.
Application of muon spin relaxation experiment to the mixed state superconductors
[DE91-013689] 20 p3431 N91-29034
Application of muon spin relaxation experiment to the vortex dynamics of high temperature superconductors
[DE91-014607] 20 p3434 N91-29050
INUTAKE, M.
Mode conversion of Alfven waves induced by quadrupole magnetic field modulation 20 p3413 N91-28924
INUTAKE, MASAAKI
Axial pressure profile effects on flute interchange stability in the tandem mirror GAMMA 10
[NIFS-98] 24 p4104 N91-32934
INUZUKA, H.
Observation of electron hole, double layer, and turbulent heating in a laboratory plasma 06 p0920 N91-15079
IOB, M.
Programmable cockpit-flight dynamic model
[AD-A227748] 07 p0943 N91-15171
IORI, M.
Performances of a resistive plate counter at high ionization rates
[NOTA-INTERNA-960] 12 p1902 N91-20460
IP, PRECILA C. F.
IR plasma emissions
[AD-A227713] 08 p1229 N91-16776
IPAVICH, F. M.
The Joint NASA/Goddard-University of Maryland Research Program in Charged Particle and High Energy Photon Detector Technology
[NASA-CR-180335] 01 p0137 N91-10810
IRACANE, D.
Model for the non-perturbative QCD vacuum
[PB91-194407] 22 p3749 N91-30898
IRANI, FRED M.
The Land Analysis System (LAS)
15 p2537 N91-24054
IRDMUSA, JAMSHID ZAKIZADEH
Experimental and analytical investigation of low-solidity axial turbines 03 p0313 N91-11751
IREDELL, DAN H.
System improvements identified by the North Atlantic Systems Planning Group (NAT/SPG) as related to the capabilities of the Oceanic Display and Planning System (ODAPS) 24 p3957 N91-32109
IRELAND, P. T.
Detailed heat transfer measurements in nozzle guide vane passages in linear and annular cascades in the presence of secondary flows
[PNR-90706] 01 p0044 N91-10260
A facility for calibrating calorimeter gauges at high rates of convective heat transfer
[OUEL-1825/90] 01 p0046 N91-10272
IRELAND, ROBERT L.
The 11 July 1988 Denver windshear encounters
03 p0303 N91-11688
IRENE, E. A.
A spectroscopic differential reflectometry study of (100), (110), (111), (311), and (511) silicon surfaces
[AD-A231022] 20 p3423 N91-28985
IRENE, EUGENE A.
Ex-situ and in-situ ellipsometric studies of the thermal oxide on InP
[AD-A231095] 13 p2051 N91-21283
Optical switching and optical logic in a thermally expanding Si etalon
[AD-A230706] 13 p2153 N91-21870
An investigation of Si-SiO2 interface charges in thermally oxidated (100), (110), (111), (511) silicon
[AD-A231244] 13 p2162 N91-21923
IRISH, D. E.
An examination of the relationship between Surface Enhanced Raman Scattering (SERS) intensities and surface concentration for pyridine adsorbed at the polycrystalline gold/aqueous solution interface
[AD-A224801] 03 p0344 N91-11925
Adsorption of pyridine at the Au(111)-solution intererface
[AD-A233347] 16 p2598 N91-24399
The application of concentration-distance profiling Raman microspectroscopy to the study of the photoinduced crystallization of triethylenediamine triiodide upon a silver electrode
[AD-A233000] 16 p2605 N91-24436
IRISH, DONALD E.
A Raman spectroscopic and electrochemical study of the photoinduced crystallization of triethylenediamine triiodide upon a silver electrode
[AD-A232828] 15 p2519 N91-23963
Vibrational spectroscopic studies of electrode surfaces and technologically important electrolyte solutions
[AD-A235892] 19 p3125 N91-27264
IRONS, G.
An evaluation of nickel-aluminum coatings fabricated with the plasma-spray process
[DE91-013208] 21 p3484 N91-29328
IRONS, JAMES
Advanced Solid-State Array Spectrometer (ASAS) data sets from the 1990 field season: A unique look at two forested ecosystems 17 p2800 N91-25488
IRTUGANOV, V. M.
Interlock device
[AD-A225261] 03 p0360 N91-12016
IRVIN, WILLIAM L.
A method of moments solution for the electric currents on an aperture-fed, stacked patch microstrip antenna
[AD-A230466] 12 p1885 N91-20361
IRVINE, W.
Exobiology in Earth orbit: The results of science workshops held at NASA, Ames Research Center
[NASA-SP-500] 06 p0856 N91-14725
IRWIN, DAVID MASSER
A numerical study of turbulent pipe flow
03 p0361 N91-12026
IRWIN, N. A.
Global warming: Transportation and energy considerations, 1990
[PB91-118919] 12 p1921 N91-20567
IRWIN, R. DENNIS
System identification and controller design using experimental frequency response data
10 p1630 N91-18989
ISAAC, G. A.
An observational study of the efficiency of activation of accumulation-mode particles in warm continental stratiform clouds
[DE91-013335] 21 p3542 N91-29681
ISAACMAN, R. B.
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
ISAACS, D.
The prediction of carriage loads and changes in aircraft longitudinal stability for pylon mounted stores at subsonic speeds
[RAE-TM-AERO-2195] 10 p1470 N91-18107
ISAACS, H. S.
X ray absorption spectroscopy of oxide films on metals
[DE91-008100] 11 p1684 N91-19278
A study of carbon steel corrosion inhibition by phosphate ions and by an organic buffer using a scanning vibrating electrode
[DE91-008103] 11 p1684 N91-19280
XANES investigation of pH effects during cerium-sealing of anodized aluminum
[DE91-008101] 11 p1688 N91-19302
XANES (X ray Absorption Near Edge Structure) investigation of cerium as an inhibitor for Al alloys
[DE91-005542] 13 p2052 N91-21293
A study of the inhibition of pitting of aluminum by chromate
[DE91-006915] 13 p2052 N91-21294
In-situ x ray measurements of pit solutions during localized corrosion
[DE91-006916] 13 p2053 N91-21295
The use of a scanning electrochemicl impedance spectroscopy technique to investigate localized corrosion
[DE91-006918] 13 p2053 N91-21296
ISAACS, R. G.
Path characterization algorithms for FASCODE
[AD-A231914] 14 p2307 N91-22749
Satellite data derived estimates of erosion parameters for reentry vehicles
[AD-A234792] 18 p2935 N91-26189
ISAACS, RALPH G.
X-ray inspection system
[PATENT-1-258-924] 23 p3882 N91-31660
ISAACS, SARAH
Isolation and structure elucidation of biological active natural products from marine sources
[ITN-91-85081] 07 p1033 N91-15669
ISAACSON, MICHAEL
Wavelength independent optical lithography and microscopy
[AD-A232036] 15 p2508 N91-23896
ISAAK, DONALD GEORGE
High-temperature elasticity and Earth's upper mantle
20 p3372 N91-28679
ISAKS, B. L.
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594
ISAKSEN, I. S. A.
The atmospheric effects of stratospheric aircraft: A current consensus
[NASA-RP-1251] 08 p1175 N91-16467
ISAMINGER, M. A.
High resolution microburst outflow vertical profile data from Huntsville, Alabama, and Denver, Colorado
[AD-A236486] 19 p3151 N91-27419
ISAYEV, G. G.
Effect of excess respiratory resistance on physical performance and cardiorespiratory function
18 p3025 N91-26699
ISAYEV, S. K.
Intracavity second-harmonic generation by laser with optical delay line and mode locking
11 p1788 N91-19808
ISE, M.
Test results of the modified space shuttle main engine at the Marshall Space Flight Center technology test bed facility 16 p2570 N91-24243
ISENBERG, ARNOLD O.
Three-Man Solid Electrolyte Carbon Dioxide Electrolysis Breadboard
[NASA-CR-185612] 02 p0205 N91-11148
ISEYEV, L. R.
Changes in maximum allowable supersaturation coefficient in high-altitude decompression
01 p0096 N91-10560
ISHCHENKO, A. A.
Passive mode locking in optically pumped Al2O3:Ti(3+) laser 11 p1787 N91-19803
ISHIBASHI, N,
Hole dynamics of one-dimensional plasma
20 p3414 N91-28928
ISHIDA, HATSUO
An induction time approach to surface induced crystallization in polyethylene/poly (e-caprolactone) melt
[AD-A235102] 18 p3070 N91-26964
Surface induced crystallization in fiber reinforced semicrystalline thermoplastics composites
[AD-A236591] 19 p3120 N91-27238
An infrared analysis of the effect of composition of n-butyl triethoxysilane and gamma-amino propyl triethoxysilane blends on tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235840] 19 p3124 N91-27258
The 29Si solid state NMR studies of the effect of composition of amine and alkyl silane blends in tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235841] 19 p3124 N91-27259
An infrared analysis of the effect of composition of silane blends of amino and alkyl silane blends in tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235842] 19 p3124 N91-27260
Properties of anhydride-cured epoxy filled with silica treated with silane blends of amino and alkyl end groups
[AD-A235981] 19 p3140 N91-27353
ISHIDA, SHINICHI
Effects of current profiles on the kink-ballooning stability
[DE91-772218] 17 p2870 N91-25874
ISHIDA, YOJI
An experimental study of a three-dimensional swept-back wing with suction laminar-flow-control
[NAL-TR-1072] 13 p2020 N91-21113
An investigation of a two-dimensional hybrid laminar flow control airfoil at high subsonic flow. Part 1: Aerodynamic characteristic of a basic airfoil NLAM78
[NAL-TR-1076] 17 p2730 N91-25116
ISHIGAKI, HIROSHI
Numerical treatment of laminar flow in curved rectangular channels 04 p0453 N91-12530
Flow and heat transfer in curved pipe
04 p0453 N91-12531
Numerical analysis of heat transfer in a pipe rotating around a perpendicular axis 04 p0454 N91-12532

Numerical simulation of flow between concentric rotating cylinders 04 p0454 N91-12533
Numerical analysis of the flow in rotating straight pipe 04 p0464 N91-12597
Numerical treatment of laminar flow in curved rectangular channels with entrance region 24 p3946 N91-32053
Developing laminar flow and heat transfer in orthogonally rotating square ducts 24 p3946 N91-32054
Flow and heat transfer in a curved annular pipe 24 p3946 N91-32055
Turbulence model calculations on the effects of body forces on turbulent flows in a pipe 24 p3946 N91-32056
Fully developed mixed convection in a horizontal pipe 24 p3946 N91-32057

ISHIGURO, MASATO
CO mapping of the nuclear region of NGC 6946 and IC 342 with Nobeyama millimeter array 05 p0762 N91-14233

ISHIGURO, MISAKO
Developmental assessment of RELAP5/MOD3 code against ROSA-IV/TPTF horizontal two-phase flow experiments [DE90-513748] 04 p0521 N91-12899

ISHIGURO, S.
Numerical simulation of potential-driven ion cyclotron oscillation 20 p3413 N91-28925

ISHIGURO, TOMIKO
Turbulence models for transonic flows with separation 04 p0452 N91-12519
Computation of three-dimensional chemically reacting flows around re-entry vehicles 04 p0452 N91-12522
Numerical computation of flow for scramjet 04 p0453 N91-12529
On the numerical simulations of flow around a body of complex configurations 04 p0457 N91-12557
Numerical calculation of chemically reacting compressible flow 04 p0464 N91-12596
On a new difference scheme-ATVD2 04 p0466 N91-12609
On the computation of viscous flows around a three-dimensional wing 04 p0468 N91-12623
Numerical calculation of flow for scramjet engine 24 p3943 N91-32035

ISHIHARA, K.
Charge discharge characteristic of Li/MoS2 multicell including an overcharged cell and an overdischarged cell [DE91-742132] 10 p1520 N91-18369
Research and development of lithium/polyacenic semiconductor (PAS) battery for load conditioner use [DE91-742134] 10 p1520 N91-18370

ISHIHARA, KAORU
Evaluation of a lithium secondary battery for load-conditioner use: Extending the Li/Mo2 cell life cycle [DE91-736736] 09 p1328 N91-17295
Evaluation of lithium secondary battery for load-conditioner use: Performance and characteristics of molybdenum sulfides (Li/MoS2), improved molybdenum sulfides (Li/MoS2 and Li/Mo6S8), and manganese dioxide (Li/MnO2) cells [DE91-736737] 09 p1328 N91-17296
Characteristics of lithium/polyaniline battery and change in polyaniline morphology [DE91-736785] 09 p1328 N91-17297

ISHIHARA, OSAMU
Theoretical and numerical study of anomalous turbulent transport in plasmas [AD-A232688] 15 p2514 N91-23931

ISHIHARA, SEIJI
A two- and three-dimensional fluid flow analysis system using a fast linear system solver 04 p0451 N91-12516

ISHII, M.
Measurement of interfacial area using four sensor probe in two phase flow [DE91-017415] 24 p4018 N91-32466

ISHII, MASAHIRO
Numerical simulation of buffer flow in a free flow electrophoresis chamber 08 p1141 N91-16279

ISHII, RYUJI
Numerical analysis of supersonic gas-particle two-phase flows around a sphere 04 p0452 N91-12521
Numerical analysis of gas-particle two-phase flows 04 p0467 N91-12619
Numerical analysis of bubbly liquid in convergent-divergent nozzle 24 p3945 N91-32052

ISHII, SHOZO
Soft x ray emission and diagnosis from fiber pinch and conductive thin film liner compression plasma 19 p3248 N91-27964

ISHII, Y.
Numerical simulation of pulsatile flows passing through a pipe with sudden expansion 08 p1139 N91-16271
Development of a two-phase cold plate 08 p1140 N91-16277
Shock and soliton structures induced by poloidal flow in tokamaks 20 p3414 N91-28929

ISHIKAWA, H.
Basic study of solid oxide fuel cells [DE90-517069] 01 p0064 N91-10386

ISHIKAWA, I.
Control system and operation characteristics of DC transmission systems by self turn-off type inverter [DE91-736789] 10 p1517 N91-18350

ISHIKAWA, MASAYUKI
A computational and experimental analysis of joined-wing aerodynamics [NAL-TR-1088T] 17 p2729 N91-25114

ISHIKAWA, TAKASHI
Fundamental verification of tailoring technology for control of a coefficient of thermal expansion by composite testing facilities [NAL-TR-1058] 08 p1105 N91-16069

ISHIZAKA, KOUICHI
Numerical turbulent simulations of unsteady transonic cascade flows 24 p3947 N91-32063

ISHIZUKA, YO
Suggested research topics in sensitivity and stability analysis for semi-infinite programming problems [AD-A225540] 03 p0407 N91-12269

ISHIZUKI, SUMIO
CO mapping of the nuclear region of NGC 6946 and IC 342 with Nobeyama millimeter array 05 p0762 N91-14233

ISHMAEL, STEPHEN D.
What is the X-30 12 p1833 N91-20077

ISII, KATUYA
The three dimensional Navier-Stokes simulations of flow over a wing without any turbulent modelling 24 p3945 N91-32051

ISIK, CAN
Uncertainty handling at speech/natural language interface, volume 1 [AD-A234310] 18 p2974 N91-26422

ISKANDER, S. K.
Effects of irradiation on crack-arrest toughness of two high-copper welds [DE91-007189] 11 p1682 N91-19270
Comparisons of irradiation-induced shifts in fracture toughness, crack arrest toughness, and Charpy impact energy in high-copper welds [DE91-008881] 20 p3315 N91-28349

ISKANDER, SHAFIK K.
Effects of irradiation on initiation and crack-arrest toughness of two high-copper welds and on stainless steel cladding [DE91-001272] 06 p0809 N91-14467

ISKE, PAUL-LOUIS
About antiferromagnetic Heisenberg models [ETN-90-97768] 01 p0133 N91-10784

ISKENDERIAN, THEODORE C.
Fluid-loop reaction system [NASA-CASE-NPO-17204-1-CU] 17 p2779 N91-25380

ISKOVITZ, I.
Finite element implementation of state variable-based viscoplasticity models [NASA-CR-187212] 24 p4031 N91-32523

ISLER, JOSEPH R.
On the nonlinear response of minor atmospheric species to linear gravity waves 24 p4043 N91-32593

ISLER, R. C.
Ion confinement and radiation losses in the advanced toroidal facility [DE91-010382] 15 p2511 N91-23916

ISMAIL, ISMAIL M.
Mechanisms of chemical vapor deposition on carbon fibers [AD-A230035] 12 p1865 N91-20247

ISMAIL, K.
Patterning and overgrowth of nanostructure quantum well wire arrays by LP-MOVPE (low pressure-metalorganic vapor phase epitaxy) [DE91-000717] 04 p0591 N91-13302

ISMAIL, SHAIK
Parameter estimation via nonlinear differential correction least square method [NAL-PD-FC-9110] 21 p3565 N91-29814

ISMAIL, SYED
Lidar measurements of polar stratospheric clouds during the 1989 airborne Arctic stratospheric expedition 17 p2797 N91-25470

ISOBE, S.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015

ISOBE, TAKASHI
Astronomical applications of survival analysis 02 p0288 N91-11615
Far infrared luminosity functions of normal galaxies 05 p0741 N91-14135

ISOBE, TOSHIO
Software package for 2-dimensional graphic display unit [NAL-TM-589] 01 p0105 N91-10605

ISOGAI, KOJI
CFD development present and prospects at NAL 13 p2067 N91-21385

ISRAEL, F. P.
Neutral hydrogen in the starburst galaxy NGC3690/IC694 05 p0735 N91-14104

ISRAEL, I.
Gaze control and spatial memory in weightlessness 11 p1762 N91-19692

ISRAELI, EITAN
Creation of uncertainty in repeated two-person non-zero-sum games [ITN-91-85118] 18 p3054 N91-26869

ISRAELSSON, HANS
Analysis of high frequency seismic data [AD-A231804] 14 p2286 N91-22640
Analysis of high frequency seismic data [AD-A235579] 19 p3200 N91-27687

ISSA, T. N.
Stochastic availability analysis of operational data systems in the Deep Space Network 24 p3988 N91-32278

ISSAC, F.
Modeling of electrically thick materials theoretical and experimental aspects 24 p4046 N91-32605
FD-TD calculation with composite materials. Application to C160 aircraft measurements 24 p4052 N91-32637

ISSACCI, F.
Heat pipe dynamic behavior [NASA-CR-187422] 05 p0656 N91-13645

ISSACCI, FARROKH
Heat pipe vapor dynamics 02 p0211 N91-11179

ISSI, J.-P.
The transport properties of activated carbon fibers [DE90-015910] 01 p0022 N91-10130

ITAGAKI, HIROSHI
Application of fuzzy-Bayesian analysis to structural reliability [NAL-TR-1063] 08 p1161 N91-16396

ITAKURA, M.
Nonlinear computer analysis of backward wave oscillator 20 p3413 N91-28923

ITANO, W. M.
Trapped-ion frequency standards 17 p2851 N91-25760

ITO, HARUHIKO
Heat transfer characteristics of a radical heat pipe 08 p1140 N91-16276

ITO, K.
Exponentially stable approximations of weakly damped wave equations [NASA-CR-187584] 19 p3235 N91-27888

ITO, NOBUO
Manned diving activities in JAMSTEC 15 p2450 N91-23572

ITO, RYOZO
Numerical simulation of transonic flows over Boeing-747 and its validation by comparison with experimental data 04 p0456 N91-12551

ITO, SEIICHI
Application of fuzzy-Bayesian analysis to structural reliability [NAL-TR-1063] 08 p1161 N91-16396

ITO, TADASHI
A system design and demonstrative field test of wind turbine with a 14 m diameter rotor [NAL-TR-1056] 01 p0065 N91-10389

ITO, TAKESHI
Practical flight paths for microwave-powered airplanes [NAL-TR-1052T] 01 p0009 N91-10054

ITO, YOICHIRO
Separation of rare earth elements with high-speed countercurrent chromatography [PB90-243700] 09 p1309 N91-17181

ITOH, FUMIKO
A consideration on flight paths for microwave-powered airplanes [NAL-TR-1051] 01 p0009 N91-10053

ITOH, K.
RF helicity injection and current drive [NIFS-34] 01 p0127 N91-10750
A design method of divertor in tokamak reactors [NIFS-36] 02 p0273 N91-11532
Effect of confinement of SoL plasma on core temperature profile [DE90-520198] 04 p0584 N91-13257
Observation of parallel viscosity in the CHS heliotron/torsatron [NIFS-70] 13 p2157 N91-21891

Effect of electric field inhomogeneities on drift wave instabilities and anomalous transport
[NIFS-72] 13 p2157 N91-21893
Decay process of a magnetic island by forced reconnection
[NIFS-80] 17 p2865 N91-25846
Model of divertor biasing and control of scrape-off layer and divertor plasmas
[NIFS-79] 17 p2865 N91-25847

ITOH, KATSUHIRO
Numerical simulation of shock wave emanating from a square shock tube 24 p3947 N91-32061

ITOH, KIMITAKA
Modelling of improved confinement in tokamaks. A: Peaked density profile and inward pinch. B: Change of transport at L/H mode transition
10 p1597 N91-18811
Drift-wave transport model and role of fast particles
10 p1597 N91-18813
Transport in scrape-off layer and its effect on core confinement 10 p1600 N91-18825
Impact of improved confinement on fusion research
[NIFS-64] 10 p1603 N91-18840
A consistency analysis on the tokamak reactor plasmas
[NIFS-65] 10 p1603 N91-18841
Effect of radial electric field on alpha-particle loss in tokamaks
[NIFS-66] 10 p1603 N91-18842
On relation between local transport coefficient and global confinement scaling law
[NIFS-68] 10 p1603 N91-18844
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
ELMy-H mode as limit cycle and chaotic oscillations in tokamak plasmas
[NIFS-96] 24 p4104 N91-32932
An H-mode-like bifurcation in core plasma of stellarators
[NIFS-97] 24 p4104 N91-32933
Heat deposition on the partial limiter
[NIFS-28] 24 p4108 N91-32954

ITOH, S.-I.
RF helicity injection and current drive
[NIFS-34] 01 p0127 N91-10750
Anomalous viscosity due to drift wave turbulence
[NIFS-33] 01 p0127 N91-10752
A design method of divertor in tokamak reactors
[NIFS-36] 02 p0273 N91-11532
Effect of confinement of SoL plasma on core temperature profile
[DE90-520198] 04 p0584 N91-13257
Effect of electric field inhomogeneities on drift wave instabilities and anomalous transport
[NIFS-72] 13 p2157 N91-21893
Model of divertor biasing and control of scrape-off layer and divertor plasmas
[NIFS-79] 17 p2865 N91-25847

ITOH, SANAE-I.
Modelling of improved confinement in tokamaks. A: Peaked density profile and inward pinch. B: Change of transport at L/H mode transition
10 p1597 N91-18811
Drift-wave transport model and role of fast particles
10 p1597 N91-18813
Transport in scrape-off layer and its effect on core confinement 10 p1600 N91-18825
Transport phenomena in ultra-long discharge
10 p1600 N91-18826
Impact of improved confinement on fusion research
[NIFS-64] 10 p1603 N91-18840
A consistency analysis on the tokamak reactor plasmas
[NIFS-65] 10 p1603 N91-18841
Effect of radial electric field on alpha-particle loss in tokamaks
[NIFS-66] 10 p1603 N91-18842
On relation between local transport coefficient and global confinement scaling law
[NIFS-68] 10 p1603 N91-18844
H-mode physics: Experimental observations and model theories. Lecture notes
[NIFS-92] 24 p4104 N91-32930
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
ELMy-H mode as limit cycle and chaotic oscillations in tokamak plasmas
[NIFS-96] 24 p4104 N91-32932
An H-mode-like bifurcation in core plasma of stellarators
[NIFS-97] 24 p4104 N91-32933
Heat deposition on the partial limiter
[NIFS-28] 24 p4108 N91-32954

ITOH, T.
Design aspects and comparison between high T(sub c) superconducting coplanar waveguide and microstrip line
[NASA-TM-105142] 19 p3156 N91-27445

ITOH, TAKAO
Specific heat of YBa2Cu4O8 near Tc
[DE91-005898] 10 p1605 N91-18853

ITOH, TATSUO
Microwave and millimeter-wave oscillators and planar power combining structures for QWITT and Gunn diodes
[AD-A226246] 04 p0520 N91-12893
The application of deterministic spectral domain method to the analysis of planar circuit discontinuities on open substrates
[AD-A226901] 06 p0822 N91-14542
Analysis and characterizations of planar transmission structures and components for superconducting and monolithic integrated circuits
[NASA-CR-188213] 16 p2619 N91-24499
High temperature superconducting planar circuit structures for high frequency applications
[AD-A234335] 18 p2978 N91-26445

ITOL, T.
Picosecond laser system for high speed characterization of monolithic devices
[AD-A227372] 06 p0831 N91-14595

ITSKOVSKII, M. A.
The photovoltaic effect on pyroelectics
23 p3889 N91-31707

ITZIKOWITZ, SAMUEL
Asynchronous and corrected-asynchronous numerical solutions of parabolic PDES on MIMD multiprocessors
[NASA-CR-187605] 22 p3728 N91-30749

IU, KAI-KONG
Polymer characterization using singlet oxygen phosphorescence as a spectroscopic probe
[DE91-011735] 18 p2967 N91-26382

IUCCI, N.
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, March 1990
[IFSI-90-15] 01 p0141 N91-10833
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, April 1990
[IFSI-90-18] 01 p0141 N91-10834
Cosmic-ray intensity increase observed on September 29, 1989: The Chilean neutron monitor data (brief report)
[IFSI-90-4] 01 p0142 N91-10838
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, January 1990
[IFSI-90-5] 02 p0295 N91-11653
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, February 1990
[IFSI-90-6] 02 p0295 N91-11654
The Rome neutron monitor data for four ground-level enhancements observed by the world-wide station network in 1990
[NOTA-INTERNA-967] 11 p1823 N91-20019

IVAKHNENKO, I.
Long-term prediction test procedure for most ICs, based on linear response theory
[NASA-CR-185843] 18 p2981 N91-26462

IVANCIC, WILLIAM D.
Optical Multiple Access Network (OMAN) for advanced processing satellite applications
[NASA-TM-105167] 21 p3501 N91-29431

IVANENKO, I. P.
Experimental data on study of cosmic ray particles in the E greater than or equal to 2 TeV energy range at the Cosmos-1713 satellite with the Sokol-2 device
[DE91-615479] 11 p1823 N91-20020

IVANOV, A. P.
Changes in rheologic indices of blood and hemodynamics during 14-day antiorthostatic hypokinesia
18 p3023 N91-26692

IVANOV, ALEXEI V.
Dynamics and configurations of galaxy triplets
08 p1261 N91-16946
Triplets of galaxies: Their dynamics, evolution, and the origin of chaos in them 08 p1262 N91-16948

IVANOV, BORIS
Sea ice observations from the winter Weddell Gyre study, 1989
[AD-A236036] 19 p3205 N91-27717

IVANOV, M. A.
Results of morphometric analysis of the Tesserae surface of Venus according to Venera-15 and -16 data
18 p2932 N91-26176

IVANOVA, I. YE.
Higher plants as part of biological human life support system 18 p3024 N91-26693

IVANOVA, T. A.
Dynamics of equatorial and polar boundaries of penetration of solar protons with energy about 1 MeV into magnetosphere during strong magnetic storm
18 p2931 N91-26172

IVASHKIN, V. V.
Study of the properties of the autonomous optical navigation of a space probe in a rendezvous with an asteroid 18 p2931 N91-26169

IVASHKO, V. V.
Hardening of VT23 titanium alloy with orthorhombic martensite structure during rapid heating
19 p3131 N91-27300

IVERS, T. H.
Experimental study of external kink instabilities in the Columbia high beta tokamak
[DE91-008116] 11 p1804 N91-19904

IVERSEN, J. D.
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
The aeolian wind tunnel 18 p3086 N91-27065

IVERSEN, T.-H.
Plant protoplast development on Biokosmos 9
11 p1758 N91-19674

IVERSON, DAVID L.
An integrated approach to system design, reliability, and diagnosis
[NASA-TM-102861] 07 p0989 N91-15426

IVERSON, J. R.
Development of a low cost peak shaving generator set
[PB91-136374] 15 p2408 N91-23332

IVERSON, RICHARD L.
Continental shelf fish production estimation from CZCS chlorophyll data 17 p2878 N91-25919

IVES, J. T.
Imaging of fluorescent and chemiluminescent DNA hybrids using a 2-D CCD camera
[AD-A234641] 18 p3020 N91-26676

IVES, ROBERT W.
Error control coding for multi-frequency modulation
[AD-A232421] 15 p2415 N91-23374

IVRISSIMTZIS, LEONIDAS P.
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 2: Edge wave edge and vertex diffraction
[AD-A230339] 12 p1882 N91-20348
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 3: Technical overview
[AD-A230340] 12 p1882 N91-20349
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 6: Overview of accomplishments
[AD-A230341] 12 p1883 N91-20350

IWAHORI, T.
Operation test of a load conditioner using sealed lead-acid batteries and life cycle test of lead-acid batteries
[DE91-742131] 10 p1520 N91-18368
Charge discharge characteristic of Li/MoS2 multicell including an overcharged cell and an overdischarged cell
[DE91-742132] 10 p1520 N91-18369
Research and development of lithium/polyacenic semiconductor (PAS) battery for load conditioner use
[DE91-742134] 10 p1520 N91-18370
Evaluation of cathode materials for high energy lithium secondary batteries
[DE91-764240] 15 p2417 N91-23385

IWAHORI, TOORU
Evaluation of a lithium secondary battery for load-conditioner use: Extending the Li/Mo2 cell life cycle
[DE91-736736] 09 p1328 N91-17295
Evaluation of lithium secondary battery for load-conditioner use: Performance and characteristics of molybdenum sulfides (Li/MoS2), improved molybdenum sulfides (Li/MoS2 and Li/Mo6S8), and manganese dioxide (Li/MnO2) cells
[DE91-736737] 09 p1328 N91-17296
Characteristics of lithium/polyaniline battery and change in polyaniline morphology
[DE91-736785] 09 p1328 N91-17297

IWAI, HIROSHI
Flexural testing and evaluation methods of advanced composite materials 11 p1674 N91-19228

IWAMIYA, TOSHIYUKI
Difference scheme of Boltzmann-Godunov type
04 p0465 N91-12606

IWANCZYK, JAN S.
Development of mercuric iodide uncooled x ray detectors and spectrometers
[NASA-CR-185394] 05 p0629 N91-13484

IWANICKO, E.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591

IWASA, S.
Thirteen meter diameter space simulation test facility
07 p0952 N91-15228

IWASAKI, AKIHITO
Wind tunnel test of redundant vane-type flow-direction sensing systems
[NAL-TM-590] 01 p0010 N91-10057
Velocity measurements inside the leading edge vortex formed on a delta wing
[NAL-TR-1087] 17 p2730 N91-25115

IWASAKI, N.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220

IWASAKI, YUMI
The mathematical bases for qualitative reasoning
[AD-A225718] 04 p0572 N91-13178

IWATA, I.
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791

IWATA, TSUTOMU
Research and development of future space robotics in NASDA 15 p2451 N91-23582

IYENGAR, K. V. K.
Far-infrared observations of Circinus and NGC 4945 galaxies 05 p0740 N91-14131
Radio continuum and far-infrared emission of spiral galaxies: Implications of correlations 05 p0744 N91-14147
Dust in a few southern H II regions 06 p0895 N91-14943
Distribution of dust in W31 complex 06 p0895 N91-14944
Type of silicate feature in oxygen rich stellar envelopes 06 p0910 N91-15024

IYENGAR, S.
A technique for feature labeling in infrared oceanographic images
[AD-A229909] 12 p1926 N91-20600

IYENGAR, SATISH
Importance sampling for tail probabilities
[AD-A232412] 16 p2680 N91-24834

IYER, R. K.
Analog-digital simulation of transient-induced logic errors and upset susceptibility of an advanced control system
[NASA-TM-4241] 03 p0408 N91-12279
Fault-tolerant computing: An overview
[NASA-CR-188793] 21 p3557 N91-29769

IYER, V. S.
Measurement of residual stresses by x ray diffraction near simulated heat affected zones in austenitic stainless steels
[DE91-008874] 13 p2052 N91-21289

IYER, VENKATESH A.
Thermal analysis, optimization and design of a Martian oxygen production plant 16 p2594 N91-24375

IYER, VENKIT
Testing of transition-region models: Test cases and data
[NASA-CR-4371] 17 p2728 N91-25104

IZAKOV, M. N.
Global circulation of Venusian atmosphere
12 p1848 N91-20157

IZATT, R. M.
Dependence of the log K values for the interaction of chiral dimethylpyridino-18-crown-6 with alpha-(1-naphthylethyl) ammonium perchlorate on several solvent parameters
[AD-A236088] 19 p3126 N91-27270

IZEN, STEVEN H.
Three-dimensional computed tomography from interferometric measurements within a narrow cone of views
[NASA-TM-103257] 11 p1708 N91-19404

IZQUIERDO, JOSE A.
Space flight components database
24 p4003 N91-32377

IZUMI, K. H.
Use of 4-D RNAV in time-based en route arrival metering 02 p0175 N91-10997

IZUMI, YUTAKA
WADOCT: An atmospheric dispersion model for complex terrain
[AD-A229920] 12 p1921 N91-20570

IZUMITA, M.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298

J

JAARSMA, M. N.
Utilization of remote sensing in land use practice
[BCRS-90-10] 14 p2280 N91-22612

JAASMA, D. R.
Preparation of biliquid foam compositions
[DE91-006740] 16 p2612 N91-24461

JABBARI, M. Y.
The impact of separated flow on heat and mass transfer
[DE91-000592] 08 p1142 N91-16284

JABLONSKI, CAROLE A.
Application of semianalytic satellite theory to maneuver planning
[AD-A239417] 23 p3802 N91-31205

JABS, HEINRICH
Effect of space exposure of some epoxy matrix composites on their thermal expansion and mechanical properties (AO 138-8) 16 p2719 N91-25055

JACAK, B. V.
Review of the heavy ion physics sessions
[DE91-017828] 24 p4101 N91-32912

JACARUSO, GARY J.
Method for stabilizing thick honeycomb core composite articles
[PATENT-1-253-424] 23 p3805 N91-31224

JACHIM, S.
A beam position monitor for low current dc beams
[CEBAF-PR-89-004] 06 p0871 N91-14816

JACHIM, S. P.
Design of a multivariable RF control system using gain-shaping in the frequency domain
[DE91-013859] 20 p3336 N91-28474

JACHONTOV, B. O.
Real time analysis systems of the physical parameters of the environment and the state of a human organism for a long term exposure at different gas mixtures and pressure up to 100 bar 15 p2449 N91-23568

JACK, ROBERT F.
Data policy and availability supporting global change research, development, and decision-making: An information perspective
[NASA-TM-105137] 22 p3698 N91-30592

JACKMAN, B.
Assessment of corrosion resistant coatings for a depleted U-0.75 Ti alloy
[AD-A228237] 08 p1116 N91-16130
Development of a nickel oxide/hydrogen multilayer bipolar battery for pulsed power, phase 2
[AD-A228388] 09 p1326 N91-17284

JACKSON, A. A.
Dust particles from comets and asteroids collected at the Earth's orbit: Parent-daughter relationships
17 p2894 N91-25997

JACKSON, A. G.
Infrared surface temperature measurements in the presence of reflected radiation
[AD-A225660] 04 p0539 N91-12991

JACKSON, A. O.
Characterization of a defective interfering RNA that contains a mosaic of a plant viral genome
[DE91-007897] 11 p1763 N91-19702
Characterization of a defective interfering RNA that contains a mosaic of a plant viral genome
[DE91-007898] 11 p1763 N91-19703

JACKSON, ALDEN W.
Highball: A high speed, reserved-access, wide area network
[NASA-CR-188070] 12 p1964 N91-20804

JACKSON, B. E.
Theory of the dissociation dynamics of small molecules on metal surfaces: Finite temperature studies
[DE91-008512] 12 p1978 N91-20886

JACKSON, BRIAN J.
A parametric shell analysis of the shuttle 51-L SRB AFT field joint
[NASA-TM-102748] 06 p0838 N91-14629

JACKSON, CHERYL C.
Rigid-body-control subsystem sizing for an Earth science geostationary platform
[NASA-TP-3087] 14 p2224 N91-22302

JACKSON, D. A.
Optical fibre based frequency shifters project
[AD-A236353] 19 p3248 N91-27951

JACKSON, D. M.
Design, performance evaluation, and investigation of the theoretical capabilities of the NASA Millimeter-wave Imaging Radiometer (MIR)
[NASA-CR-187984] 11 p1707 N91-19398
The Millimeter-Wave Imaging Radiometer (MIR)
17 p2795 N91-25463

JACKSON, G. L.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920

JACKSON, J.
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009

JACKSON, J. M.
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
The (C II) 158 micron line mapping of spiral galaxies
13 p2173 N91-21996
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
The molecular interstellar medium and the near-infrared continuum of the barred liner NGC 6764
[MPE-PREPRINT-193] 15 p2532 N91-24029

JACKSON, JAMES M.
Dense gas and HII regions in the starburst galaxy NGC 253 05 p0759 N91-14220
High angular resolution mm- and submm-observations of dense molecular gas in M82
05 p0761 N91-14230
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236

JACKSON, KAREN E.
Determination of the flight hardware configuration of an energy absorbing attenuator for the proposed Space Station crew and equipment translation aid cart
[NASA-TP-3084] 13 p2099 N91-21556

JACKSON, LENORE A.
Proceedings of the Second Annual NASA Science Internet User Working Group Conference
[NASA-CP-3117] 18 p3077 N91-27009
Overview of the NSI User Support Office (NSI USO)
18 p3079 N91-27028

JACKSON, LOGAN A.
Organo- borazines.3.homo- and copolymerization of p-vinylphenyl- cyclotri- borazines
[AD-A237881] 21 p3488 N91-29357

JACKSON, M. M.
Responses of women to orthostatic and exercise stresses
[NASA-TP-3043] 11 p1765 N91-19711

JACKSON, MARTIN ANDREW
Two studies in relativistic cosmology: Smoothing spacetimes via Ricci flow and the Bel-Robinson energy in Gowdy T(sup 3) x R spacetimes
17 p2890 N91-25977

JACKSON, N. P.
Flutter suppression of an aircraft wing using a control surface
[BU-506] 14 p2197 N91-22133

JACKSON, P. A. B.
Station data for the IOS benthic biological survey of the Porcupine Seabight region (NE Atlantic) 1977-1989
[IOS-281-1991] 22 p3712 N91-30663

JACKSON, PAUL EDWARD
Folded RF-excited CO2 waveguide lasers
05 p0665 N91-13695

JACKSON, PHOEBE A.
Small satellite debris catalog maintenance issues
12 p1950 N91-20729

JACKSON, RAYMOND H.
Thermal behavior of a titanium honeycomb-core sandwich panel
[NASA-TM-101732] 09 p1353 N91-17433
Combined compressive and shear buckling analysis of hypersonic aircraft structural sandwich panels
[NASA-TM-4290] 17 p2787 N91-25422
Compressive buckling analysis of hat-stiffened panel
[NASA-TM-4310] 19 p3181 N91-27592
Combined-load buckling behavior of metal-matrix composite sandwich panels under different thermal environments
[NASA-TM-4321] 22 p3693 N91-30563

JACKSON, T. L.
Zero wavenumber modes of a compressible supersonic mixing layer
[NASA-CR-187476] 05 p0660 N91-13669
Ignition and structure of a laminar diffusion flame in a compressible mixing layer with finite rate chemistry
[NASA-CR-187551] 14 p2266 N91-22537
Non-linear interaction of a detonation/vorticity wave
[NASA-CR-187550] 15 p2425 N91-23434
Stability of a non-orthogonal stagnation flow to three dimensional disturbances
[NASA-CR-187591] 19 p3165 N91-27501

JACKSON, TODD A.
Electro-optic network analyzer
[NASA-CR-186613] 06 p0819 N91-14527
JACKSON, W. C.
Response of composite materials to low velocity impact
[NASA-TM-102755] 07 p0972 N91-15337
JACKSON, W. E.
X ray absorption fine structure of systems in the anharmonic limit
[DE91-016070] 24 p4097 N91-32892
JACKSON, WADE C.
Damage prediction in cross-plied curved composite laminates
[NASA-TM-104089] 22 p3694 N91-30567
JACKSON, WILLIAM M.
Radical formation in the coma from photodissociation of ice grains 12 p2006 N91-21040
Cometary implications of the internal energy distributions of the C2 and C3 radicals produced in the photolysis of the C2H and C3H2 17 p2894 N91-25998
Formation of ions and radicals from icy grains in comets 17 p2895 N91-25999
JACOB, D. J.
Theoretical studies of long-range transport of oxidants
[PB91-182360] 21 p3539 N91-29661
JACOB, K.
NCEER strong-motion data base: A user manual for the geobase release (version 1.0 for the SUN3)
[PB90-258062] 02 p0235 N91-11315
JACOBI, L. Y.
IAI hypersonic wind tunnel
[IAITIC-87-1006] 15 p2384 N91-23194
JACOBS, A.
Study on ECW transmission lines for NET/ITER
[EUR-FU/80/90-99] 08 p1230 N91-16781
JACOBS, A. J.
High-temperature solution annealing as an IASCC mitigation technique
[DE91-012220] 20 p3315 N91-28352
JACOBS, BARRY E.
Distributed Access View Integrated Database (DAVID) system 14 p2357 N91-23037
JACOBS, BARRY L.
Bioreactivity: Studies on a simple brain stem reflex in behaving animals
[AD-A226823] 06 p0852 N91-14704
JACOBS, CHARLES R.
Defense Technical Information Center Thesaurus
[AD-A226000] 04 p0606 N91-13370
JACOBS, E. W.
Fractal-based image compression, 2
[AD-A226500] 04 p0565 N91-13136
Iterated transform image compression
[AD-A233655] 18 p3038 N91-26769
JACOBS, H. R.
Spray combustion under oscillatory pressure conditions 20 p3295 N91-28226
JACOBS, I.
Heat strain and work tolerance times with varying levels of Canadian Forces NBC protective clothing, ambient temperature, physical work intensity, and work/rest schedules
[AD-A232653] 15 p2478 N91-23720
JACOBS, J.
The measurement and finite element analysis of the dynamic stiffness of non-uniform clearance, gas, thrust bearings
[DE90-015120] 02 p0217 N91-11214
JACOBS, J. M. J. W.
Design and testing of a multiblock grid-generation procedure for aircraft design and research
[NLR-TP-89146-U] 23 p3789 N91-31131
JACOBS, JAMES A.
National Educators' Workshop: Update 1988. Standard Experiments in Engineering Materials Science and Technology
[NASA-CP-3060] 12 p1859 N91-20207
JACOBS, JEFF
The Copernicus project 08 p1102 N91-16052
JACOBS, MICHAEL J.
Intelligibility of digital speech masked by noise: Normal hearing and hearing impaired listeners
[AD-A234852] 18 p2975 N91-26427
JACOBS, P. A.
Flow establishment in a generic scramjet combustor
[NASA-CR-187467] 05 p0657 N91-13649
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651
Transient, hypervelocity flow in an axisymmetric nozzle
[NASA-CR-187496] 09 p1286 N91-17069
Mach 4 and Mach 8 axisymmetric nozzles for a shock tunnel
[NASA-CR-187533] 12 p1846 N91-20146
Preliminary calibration of a generic scramjet combustor
[NASA-CR-187539] 13 p2025 N91-21139
Simulation of transient flow in a shock tunnel and a high Mach number nozzle
[NASA-CR-187606] 22 p3624 N91-30162
Single-block Navier-Stokes integrator
[NASA-CR-187613] 22 p3676 N91-30467
JACOBS, PATRICIA A.
Defense Data Network (DDN) performance analysis using probability modeling
[AD-A226856] 06 p0886 N91-14894
Regression analysis of hierarchical poisson-like event rate data: Super-population model effect on predictions
[AD-A230297] 12 p1973 N91-20855
Classification of intermittent dependent observations
[AD-A231605] 13 p2145 N91-21811
JACOBS, PETER A.
An approximate Riemann solver for hypervelocity flows
[NASA-CR-187629] 24 p4018 N91-32463
JACOBS, PETER F.
Longitudinal aerodynamic characteristics of a subsonic, energy-efficient transport configuration in the National Transonic Facility
[NASA-TP-2922] 20 p3281 N91-28143
JACOBS, STANLEY S.
Sea-level response to ice sheet evolution: An ocean perspective 18 p3001 N91-26575
JACOBS, STEPHEN
Proceedings of the Optoelectronic Workshop 25: Liquid Crystal Materials and Devices for Opto-Electronic Applications
[AD-A233780] 18 p3063 N91-26921
JACOBS, V. L.
Effects of electric microfields on argon dielectronic satellite spectra in laser-produced plasmas
[DE91-011445] 17 p2869 N91-25868
JACOBS, WILFRIED
Energetics of 60 days predictions with the EZMW-T21 model in its mean temporary development and its relationship to forecast skill
[MITT-71] 02 p0239 N91-11335
JACOBSEN, C.
Possibilities for projection x ray lithography using holographic optical elements
[DE91-009770] 15 p2431 N91-23464
JACOBSEN, JANET S.
Coupled transport processes in semipermeable media. Part 2: Numerical method and results
[DE91-004140] 05 p0729 N91-14073
Coupled transport processes in semipermeable media. Part 1: Analytical solutions of the linearized governing equations
[DE91-004138] 06 p0884 N91-14887
JACOBSON, ABRAM R.
Observations of perturbations produced by powerful chemical explosions in the ionosphere 10 p1553 N91-18541
JACOBSON, D. L.
High-temperature alloys for high-power thermionic systems
[DE91-009292] 15 p2402 N91-23299
JACOBSON, G.
Aquifer characteristics and groundwater resources of the Amadeus Basin 19 p3199 N91-27681
JACOBSON, R. E.
Temperature effects on the strength and toughness of Be12Nb
[DE91-010838] 16 p2602 N91-24419
JACOBSON, RANDALL S.
The first direct measurements of upper oceanic crustal compressional wave attenuation
[AD-A229902] 12 p1926 N91-20599
JACOBSSON, S.
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations 13 p2181 N91-22050
JACOBY, ANAT
Human benchmarking of expert systems
[AD-A233601] 16 p2665 N91-24742
Human benchmarking of expert systems. Literature review
[AD-A233602] 16 p2665 N91-24743
Expert system explanation: The user perspective
[AD-A233739] 18 p3034 N91-26749
Evaluation of expert systems: A review of the literature
[AD-A234360] 18 p3044 N91-26808
JACOX, M. G.
Small Ex-core Heat Pipe Thermionic Reactor concept (SEHPTR)
[DE91-014073] 20 p3303 N91-28279
JACQMIN, DAVID
The breakup of trailing-line vortices 02 p0148 N91-10867
JACQUES, DIDIER
Load transfer between fiber and matrix in carbon fiber reinforced plastic composites tensile behavior of an embedded single filament specimen
[ONERA-NT-1989-9] 02 p0192 N91-11075
JACQUET, JEAN-MARIE
Comparative semantics for a parallel contextual programming language
[CWI-CS-R9018] 10 p1572 N91-18648
JACQUEZ, RICARDO B.
Preliminary evaluation of waste processing in a CELSS 23 p3904 N91-31788
JACQUIN, L.
Use of 4-hot-wire probes to study turbulent flow
[AAAF-NT-89-15] 23 p3870 N91-31588
JACQUIN, LAURENT
Theoretical and experimental study of homogeneous rotating turbulence
[ESA-TT-1170] 03 p0365 N91-12047
JACQUINOT, J.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886
JACQUISH, CASHELL
The 1988 anthropometric survey of US Army personnel: Correlation coefficients and regression equations. Part 1: Statistical techniques, landmark, and measurement definitions
[AD-A224986] 03 p0395 N91-12194
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 2: Simple and partial correlation tables-male
[AD-A224987] 04 p0551 N91-13055
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 3: Simple and partial correlation tables-female
[AD-A224988] 04 p0551 N91-13056
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 4: Bivariate regression tables
[AD-A224989] 04 p0551 N91-13057
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 5: Stepwise and standard multiple regression tables
[AD-A224990] 04 p0551 N91-13058
JADAAN, OSAMA M.
Fast fracture and lifetime prediction of ceramic tubular components 22 p3653 N91-30334
JADUSZLIWER, B.
Optimization of hydrogen consumption in hydrogen masers
[AD-A227267] 08 p1154 N91-16355
JADUSZLIWER, BERNARDO
Frequency shifts in a rubidium frequency standard due to coupling to another standard 17 p2854 N91-25778
JAECKEL, LOUIS A.
Recognition of simple visual images using a sparse distributed memory: Some implementations and experiments
[NASA-CR-186616] 24 p4081 N91-32797
JAEGER, E. F.
Fast-wave current drive modelling for large non-circular tokamaks
[DE91-000562] 04 p0584 N91-13261
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
JAEGER, H.
Thermophysical properties of POCO AXF-5Q graphite up to melting
[DE91-014751] 21 p3485 N91-29334
JAEGER, HORST
Lidar measurements at Garmisch, conversion model, and midlatitude aerosol effects 24 p4033 N91-32536
JAEGER, J. L.
Fatigue testing of the MK3 mod0 2000 lb bail lugs: Test report
[AD-A230858] 14 p2193 N91-22114
JAENISCH, H. M.
Polarization effects, tasks 3 and 4
[NASA-CR-184219] 24 p3978 N91-32221
JAFARIAN, MAJID
Contribution to the study of the electrochemical refining of zinc in molten chloride environment
[ETN-91-98948] 12 p1870 N91-20278
JAFFE, D. T.
High angular resolution mm- and submm-observations of dense molecular gas in M82 05 p0761 N91-14230
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236
The 100 and 160 micron maps of the dust reemission from the nucleus and inner-arm regions of NGC 6946 06 p0901 N91-14983

JAFFERY, T. S.
Measurement of time dependent fields in high gradient superconducting quadrupoles for the Tevatron
[DE91-004975] 10 p1594 N91-18794
JAFFRES, L.
AI techniques for a space application scheduling problem 14 p2313 N91-22776
JAGANNATH, H.
Surface roughness of flat and curved optical surfaces 19 p3277 N91-28126
JAGER, D.
Atmospheric performance of the special-purpose Solar Energy Research Institute (SERI) thin-airfoil family: Final results
[DE90-000373] 02 p0230 N91-11287
JAGER, JOHAN
Control of industrial crystallizers: The physical aspects
[ETN-91-98488] 08 p1124 N91-16179
JAGGERS, C. H.
Long Duration Exposure Facility experiment M0003 deintegration/findings and impacts 16 p2718 N91-25046
JAGGI, NARENDRA K.
Electro-rheology fluids and liquid fuel flow
[AD-A238600] 21 p3515 N91-29520
JAGODA, J. I.
Pulse combustion engineering research laboratory
[PB91-157271] 17 p2756 N91-25253
JAGODA, JECHIEL I.
Fractal image compression of Rayleigh, Raman, LIF and LDV data in turbulent reacting flows
[AD-A232237] 15 p2428 N91-23449
JAGUSINSKI, F.
Infrared thermography for the qualitative aerodynamic study of a slender body
[ISL-R-122/89] 13 p2018 N91-21104
JAHANGIR, EBAD
Time-optimal attitude control of a spinning missile 09 p1285 N91-17063
JAHN, ALEXANDER
Measurement of the e+e- annihilation in mu+mu- pairs at the Z sup o resonance
[MPI-PAE/EXP.EL-231] 08 p1222 N91-16732
JAHNCKE, CHRISTIAN
A safety analysis of commercial airplane ditching
[ETN-91-98801] 10 p1468 N91-18095
JAHNKE, CRAIG CHARLES
Application of dynamical systems theory to nonlinear aircraft dynamics 02 p0179 N91-11014
JAILLOT, F.
Modeling of electrically thick materials theoretical and experimental aspects 24 p4046 N91-32605
JAIN, HIMANSHU
Optoelectronic devices
[AD-D014618] 06 p0872 N91-14822
JAIN, M. H.
DOPLIGHT 1987 project summary
[PB90-253584] 05 p0689 N91-13834
JAIN, PARVEEN
A function-based approach to cockpit procedure aids 02 p0164 N91-10953
JAIN, R. K.
Recent progress in InP solar cell research
[NASA-TM-104509] 19 p3156 N91-27447
Comparative modeling of InP solar cell structures 22 p3636 N91-30232
JAIN, RAJ K.
Effect of emitter parameter variation on the performance of heteroepitaxial indium phosphide solar cells
[NASA-TM-103619] 07 p0966 N91-15306
Determination of series resistance of indium phosphide solar cells 11 p1671 N91-19207
Effect of dislocations on the open-circuit voltage, short-circuit current and efficiency of heteroepitaxial indium phosphide solar cells
[NASA-TM-103762] 11 p1698 N91-19354
Optimal design study of high efficiency indium phosphide space solar cells
[NASA-TM-103763] 13 p2076 N91-21433
JAIN, S. C.
A review of theoretical and experimental work on the structure of Ge(x)Si(1-x) strained layers and superlattices with extensive bibliography
[AERE-R-13657] 14 p2329 N91-22870
JAIN, S. K.
Additional red and reddened stars in Cyg OB2 association 06 p0895 N91-14948
JAKLEVIC, J.
Evaluation of the x ray response of a position-sensitive microstrip detector with an integrated readout chip
[DE91-004414] 07 p0998 N91-15482
JAKLITSCH, DONALD J.
An analysis of three pultrusion models proposed for use in a pultrusion control system
[AD-A235600] 19 p3145 N91-27382
JAKOB, RUEDIGER
The FORCE: A highly portable parallel programming language
[NASA-CR-187928] 11 p1775 N91-19732
JAKOBSSON, B.
Pre-equilibrium emission and multifragmentation in heavy ion collisions
[LUIP-8902] 01 p0119 N91-10705
JAKOSKY, BRUCE M.
Water on Mars: Volatile history and resource availability 17 p2912 N91-26074
Measurements of dust on Mars to be obtained from upcoming missions 18 p3087 N91-27066
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182
JAKOWATZ, C. V., JR.
Comparison of synthetic aperture radar autofocus techniques: Phase gradient vs subaperture
[DE91-014696] 21 p3497 N91-29406
JAKOWATZ, CHARLES V., JR.
Implementation of the phase gradient algorithm
[DE90-012160] 08 p1197 N91-16579
JAKSTAS, L.
Space station automation of common module power management and distribution, volume 2
[NASA-CR-184035] 04 p0495 N91-12748
JALEL, N. A.
The application of neural networks for fault diagnosis in nuclear reactors
[RR-411] 11 p1781 N91-19772
Expert systems for fault diagnosis in nuclear reactor control
[RR-412] 11 p1797 N91-19864
Petri nets and fault diagnosis in nuclear reactors
[RR-413] 11 p1798 N91-19865
The use of an object oriented technique for fault diagnosis in nuclear reactors
[RR-414] 11 p1798 N91-19866
Fault detection using optimal control techniques
[RR-419] 11 p1798 N91-19867
JALFRE, G.
GASCON: Local and remote monitoring of ground stations equipments 14 p2212 N91-22216
FIABAI: A knowledge based system for the evaluation of the reliability-availability of complex computer architectures 14 p2220 N91-22272
JALINK, ANTONY, JR.
Thermal compensating mount
[NASA-CASE-LAR-14207-1] 06 p0831 N91-14590
JAMALI, M. M.
A parallel-pipelined architecture for a multi carrier demodulator
[NASA-CR-188620] 17 p2771 N91-25334
JAMALUDDIN, H. B.
Properties of neural networks with application to modelling nonlinear dynamical systems
[RR-418] 22 p3742 N91-30846
JAMES, C. E.
The development of a rugged accelerometer
[DE91-007731] 11 p1708 N91-19407
JAMES, G. H.
Damping measurements using operational data
[DE91-002781] 06 p0841 N91-14646
JAMES, GEORGE HENRY, III
An experimental and analytical study of structural identification 01 p0055 N91-10325
JAMES, GORDON E.
Mechanical strain isolator mount
[NASA-CASE-LAR-13580-1] 13 p2096 N91-21541
JAMES, H. G.
Magnetoplasma sheath waves on a conducting tether in the ionosphere with applications to EMI propagation on large space structures 12 p1949 N91-20723
JAMES, J. H.
FORTRAN program for sound scattering by layered isotropic cylinder
[AD-A226321] 04 p0579 N91-13228
JAMES, JEFFREY
NRL tethered balloon measurements at San Nicolas Island during FIRE IFO 1987 01 p0086 N91-10509
JAMES, K. M.
Performance evaluation of new large-area avalanche photodiodes for scintillation spectroscopy
[DE91-017400] 24 p4007 N91-32405
JAMES, M. L.
A report on SHARP (Spacecraft Health Automated Reasoning Prototype) and the Voyager Neptune encounter
[NASA-CR-187810] 07 p1056 N91-15799
JAMES, M. R.
Improving managers' effectiveness
[DE91-016405] 23 p3934 N91-31988
JAMES, MARK L.
Spacecraft Health Automated Reasoning Prototype (SHARP): The fiscal year 1989 SHARP portability evaluations task for NASA Solar System Exploration Division's Voyager project
[NASA-CR-187338] 01 p0034 N91-10204
SHARP: Automated monitoring of spacecraft health and status 12 p1940 N91-20671
JAMES, MARK W.
The advanced microwave precipitation radiometer: A new aircraft radiometer for passive precipitation remote sensing 17 p2797 N91-25469
A PC-based multispectral scanner data evaluation workstation: Application to Daedalus scanners 17 p2797 N91-25471
JAMES, P. A.
Infrared images of merging galaxies 08 p1254 N91-16904
JAMES, PHILIP B.
Hubble Space Telescope observations of Mars 11 p1821 N91-20003
JAMES, R. A.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919
JAMES, R. D.
Effects of oxidation and combustion environments on the properties of Nicalon/SiC composites
[DE91-016778] 23 p3808 N91-31240
JAMES, R. H.
Coolant side heat transfer with rotation: User manual for 3D-TEACH with rotation
[NASA-CR-180886] 16 p2628 N91-24552
JAMES, R. R.
Super High Frequency (SHF) Link Analysis Model (SLAM) for nonsatellite applications
[AD-A225323] 03 p0357 N91-11997
JAMES, WILLIAM F.
Test of superplastically formed corrugated aluminum compression specimens with beaded webs
[NASA-TM-104119] 20 p3319 N91-28373
JAMESON, R. A.
Advanced high brightness ion RF accelerator applications in the nuclear energy
[DE91-016075] 24 p4099 N91-32905
JAMET, J. F.
Fiber-reinforced glass-ceramic matrix composites: New class materials for space applications 03 p0328 N91-11828
New developments in composites for space applications 03 p0331 N91-11850
JAMET, JEAN F.
New developments in composites for space applications
[REPT-911-430-104] 15 p2394 N91-23250
Fiber-reinforced glass-ceramic matrix composites: New class of materials for space applications
[REPT-911-430-107] 15 p2394 N91-23253
Thermostructural composites: Recent evolutions and improvements
[REPT-911-430-109] 15 p2394 N91-23254
High temperature composites in space planes and missiles development
[REPT-911-430-119] 15 p2395 N91-23259
JAMGOTCHIAN, HAROUT
A high-speed multispectra infrared digital video system to measure the reaction fronts of solid propellants
[AD-A233276] 16 p2611 N91-24456
JAMIESON, DALE
Global change and biodiversity loss: Some impediments to response 14 p2282 N91-22622
JAMIESON, DAVID W.
The effects of sleep loss on individual and group performance
[AD-A226963] 06 p0853 N91-14708
JAMISON, KEITH A.
A technical assessment of electromagnetic propulsion for small caliber weapons applications
[AD-A229233] 09 p1294 N91-17110
JAN, DARRELL L.
Probabilistic failure assessment with application to solid rocket motors 01 p0052 N91-10309
JANAKIRAM, R. D.
Aeroacoustics of rotorcraft 10 p1461 N91-18056
JANCAITIS, K. S.
Optical characterization of damage resistant kilolayer rugate filters
[DE91-006245] 09 p1408 N91-17747
JANDURA, LOUISE
The Dynamic Torque Calibration Unit: An instrument for the characterization of bearings used in gimbal applications 16 p2642 N91-24624
JANES, DANIEL MARK
Tectonics of one-plate planets 02 p0294 N91-11647

JANESICK, J.
Scientific CCD technology at JPL
14 p2360 N91-23057
JANETZKE, DAVID C.
Efficient computation of aerodynamic influence coefficients for aeroelastic analysis on a transputer network
[NASA-TM-103671] 12 p1954 N91-20748
JANG, BOR Z.
Plastic deformation mechanisms in polyimide resins and their semi-interpenetrating networks
04 p0595 N91-13321
JANG, GUANG-WAY
Thermal transitions and mechanical properties of the films of chemically prepared polyaniline
[AD-A233807] 18 p2959 N91-26329
JANG, HONG-MING
A viscous-inviscid interactive method for unsteady flows 02 p0209 N91-11172
JANG, JONG HOON
Cool-down and frozen start-up behavior of a grooved water heat pipe
[NASA-CR-187053] 11 p1702 N91-19376
JANG, P. R.
Performance characteristics of an MHD (Magnetohydrodynamic) pilot plant electrostatic precipitator
[DE91-007218] 11 p1804 N91-19905
JANG, Q.
The effect of negative Poisson's ratio on the fracture behavior of composite laminates
[NIAR-90-30] 07 p0972 N91-15336
The effect of special orientation on the fracture behavior of graphite/epoxy laminates
[NIAR-90-33] 14 p2241 N91-22401
JANG, YOUNGHEE
Benchmarking text understanding systems to human performance: An exploration
[AD-A233306] 16 p2664 N91-24741
JANGHORBANI, MORTEZA
Development of advanced methods based on stable isotope technology for studies of exercise in heat
[AD-A234670] 18 p3028 N91-26719
JANI, JAYANT SHIVKUMAR
Weight function approach for stress analysis of the surface crack in a finite plate subjected to nonuniform stress fields 03 p0380 N91-12121
JANI, YASHVANT
Fuzzy logic in autonomous orbital operations
12 p1965 N91-20815
Applications of fuzzy logic to control and decision making 15 p2536 N91-24049
JANICKI, J.
The avian eggshell as a model of biomineralization
[DE91-012608] 20 p3323 N91-28400
JANK, THOMAS
Doppler spectra from incoherent backscatter: Principles and examples of application for POLDIRAD
[ESA-TT-1197] 03 p0357 N91-11994
JANKE, C. J.
Composite heat damage. Part 1: Mechanical testing of IM6/3501-6 laminates. Part 2: Nondestructive evaluation studies of IM6/3501-6 laminates
[DE90-016207] 01 p0021 N91-10125
JANKE, P. J.
Li-SF6 combustion in stored chemical energy propulsion systems
[AD-A224846] 03 p0337 N91-11888
JANKOVSKY, R. S.
A life comparison of tube and channel cooling passages for thrust chambers
[NASA-TM-103613] 02 p0189 N91-11059
JANKOVSKY, ROBERT S.
A dual-cooled hydrogen-oxygen rocket engine heat transfer analysis
[NASA-TM-104430] 16 p2580 N91-24302
JANKOWSKI, A.
Magnetron sputter deposition of boron and boron carbide
[DE91-011194] 18 p2944 N91-26241
X ray fiducial foils
[DE91-011193] 20 p3348 N91-28542
JANKOWSKI, A. F.
Deposition controlled uniformity of multilayer mirrors
[DE90-015906] 01 p0121 N91-10718
Modeling of thin Au/Ni multilayers
[NIAR-91-2] 07 p0983 N91-15394
Layer formation in CuNi/C x ray optics
[DE91-005229] 10 p1596 N91-18805
Characterization of Mo/B4C multilayers
[DE91-011192] 17 p2864 N91-25839
Fabrication of advanced x ray optics with magnetron mini-source arrays
[DE91-017093] 24 p4102 N91-32919
JANKOWSKI, J. E.
National patterns of R and D resources: 1990
[PB90-259839] 09 p1419 N91-17811
JANKOWSKI, JERZY
Homogeneity of geomagnetic variations at the Sodankyla Observatory
[FACL-76] 12 p1922 N91-20574
JANNEY, M. A.
Microwave sintering of fuel cell materials
[DE90-011643] 08 p1118 N91-16143
Microwave sintering of zirconia-toughened alumina composites
[DE91-007185] 10 p1501 N91-18262
JANNSON, TOMASZ
Holographic rugate structures for x ray optics applications
[DE90-017103] 01 p0045 N91-10270
JANNUZI, BUELL TOMASSON
The optical polarization of BL Lacertae objects
20 p3442 N91-29099
JANOO, VINCENT C.
Predicting the behavior of asphalt concrete pavements in seasonal frost areas using nondestructive techniques
[CRREL-90-10] 09 p1321 N91-17253
Performance of asphalt concrete airport pavements during thaw weakening periods: A field study
[AD-A237441] 21 p3462 N91-29198
JANOUSEK, BRUCE K.
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors 06 p0795 N91-14394
JANS, W.
The relation between tree physiology and multispectral and color photography: First phase
[BCRS-89-39] 05 p0681 N91-13785
JANSEN, E. L.
On the vectorization and parallelization of the shooting method using the convex C-240
[LR-639] 11 p1723 N91-19491
JANSEN, H. J. F.
Theoretical studies of zirconia and related materials
[DE91-013906] 20 p3318 N91-28369
JANSEN, J.
Force-reflecting control of a teleoperated system coupling a nonredundant master with a redundant slave
[DE90-012137] 21 p3526 N91-29585
JANSEN, J. F.
Controller design for a teleoperator system with dissimilar kinematics and force feedback
[DE91-004391] 07 p1011 N91-15553
Design of a telerobotic controller with joint torque sensors using 2-port network theory
[NASA-CR-186543] 08 p1158 N91-16379
Control of a teleoperator system with redundancy based on passivity conditions
[DE91-007679] 10 p1532 N91-18442
Controller design for a force-reflecting teleoperator system with kinematically dissimilar master and slave
[DE91-010187] 16 p2636 N91-24591
Use of force-measuring transducers in manipulator control
[DE91-010809] 16 p2636 N91-24592
Use of force-measuring transducers in manipulator control. Part 2: Implementation
[DE91-010773] 17 p2784 N91-25407
JANSEN, J. H. F.
Paleoceanography and geochemistry of the Angola Basin (South Atlantic Ocean). Cruise report R. V. TYRO, September 30 - November 19, 1989
[PB91-177444] 19 p3206 N91-27720
JANSEN, P. G.
The Tumult multi-version filesystem
[MEMO-INF-91-29] 22 p3739 N91-30830
JANSEN, PIERRE
Syncs and real-time behaviour of threads
[MEMO-INF-91-04] 22 p3739 N91-30827
JANSEN, PIERRE G.
Buffer cache design of the TUMULT filesystem
[MEMO-INF-90-65] 10 p1566 N91-18612
Communication issues for parallel systems
[MEMO-INF-90-54] 10 p1577 N91-18682
An algorithm for generating node disjoint routes in Kautz digraphs
[MEMO-INF-90-43] 22 p3738 N91-30823
JANSEN, RALPH
Parched elastohydrodynamic lubrication: Instrumentation and procedure
[NASA-TM-104426] 22 p3676 N91-30469
JANSON, S. W.
Time-resolved mass and energy analysis
[AD-A235938] 19 p3244 N91-27941
JANSS, J.
High speed welding used in building metallic structures
[CRIF-MT-180] 24 p4026 N91-32496
JANSSEN, F. J. J. G.
The selective catalytic oxidation of ammonia to N2 and H2O over silica-supported molybdena catalysts
23 p3941 N91-32026
Some applications of X-ray photoelectron spectroscopy and secondary-ion mass spectroscopy
23 p3941 N91-32029
JANSSEN, H. G. M.
WASP, the Weapon Analysis and Simulation Program
[FEL-90-A322] 24 p4084 N91-32813
JANSSEN, L. P. B. M.
Three-dimensional Marangoni convection (MASER 2) ESA 23 p3827 N91-31344
JANSSEN, M.
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
JANSSEN, MANFRED
Calculation of the flow in the corrected boundary layer of axial flow compressor stators
[ETN-90-98191] 04 p0524 N91-12915
JANSSEN, P.
Bootstrapping U-quantiles
[CWI-BS-R9021] 17 p2848 N91-25742
JANSSEN, WIL
Consistent alternatives of parallelism with conflicts: Two partial order semantics for shared variable concurrency
[MEMO-INF-91-15] 22 p3739 N91-30829
JANSSENS, R. V. F.
Superdeformation: An experimental review
[DE91-015566] 21 p3577 N91-29894
JANSSON, S.
Reduction of thermal stresses in continuous fiber reinforced metal matrix composites with interface layers
[NASA-CR-185302] 01 p0023 N91-10133
Materials with periodic internal structure: Computation based on homogenization and comparison with experiment
[NASA-CR-185303] 03 p0379 N91-12117
Optimization of interface layers in the design of ceramic fiber reinforced metal matrix composites
[NASA-CR-185307] 06 p0801 N91-14422
Mechanical characterization and modeling of non-linear deformation and fracture of a fiber reinforced metal matrix composite
[NASA-CR-187131] 17 p2746 N91-25193
Mechanical behavior of a continuous fiber reinforced aluminum matrix composite subjected to transverse and thermal loading
[NASA-CR-187132] 19 p3121 N91-27243
JANSWEIJER, P. P. M.
Grid pulse generator
[DIGEL-1990-6] 13 p2152 N91-21863
JANUS, R. T.
A generic inertial navigation system model for computer simulation studies
[AD-A236849] 19 p3104 N91-27149
JAPEL, EDWARD J.
The PC Dugout micro-mainframe integration system: PAX implementation
[AD-A237480] 21 p3556 N91-29758
JARAN, CHRIS
Design of the advanced cargo aircraft. The US Army's next generation transport rotorcraft: An overview
10 p1463 N91-18069
JARBOE, T. R.
Formation and sustainment of a very low aspect ration tokamak using coaxial helicity injection (the Helicity Injected Torus (HIT) experiment)
[DE91-013948] 20 p3420 N91-28967
JARDIEU, RONALD
Cathode life test facility users manual operating and measurement procedures
[AD-A232506] 16 p2619 N91-24502
JARDIN, S.
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
JARDIN, S. C.
Dependence of CIT (compact ignition tokamak) PF (poloidal field) coil currents on profile and shape parameters using the control matrix
[DE91-002650] 05 p0720 N91-14019
JARED, R. C.
An emulator for the W. M. Keck 10 m telescope
[DE91-004286] 07 p1081 N91-15948
Analysis of the W. M. Keck Telescope primary mirror control loop
[DE91-004433] 07 p1081 N91-15949
JARETT, D. N.
Evaluation of virtual cockpit concepts during simulated missions
[RAE-TM-MM-36] 12 p1889 N91-20385
JARLAAS, ROLF
Analysis of shells as 3D-elasticity problems using the p-version of the FE method
[FFA-TN-1990-25] 05 p0678 N91-13770

Stability analysis of a fuselage side
[FFA-TN-1990-32] 13 p2102 N91-21568

JAROSS, R. A.
Impact of high-critical-temperature superconductors on electromagnetic pump applications
[DE90-014809] 01 p0128 N91-10759

JARRE, FLORIAN
Interior-point methods for convex programming
[AD-A231372] 13 p2137 N91-21765
An adaptive primal-dual method for linear programming
[AD-A231903] 14 p2307 N91-22748
Practical aspects of an interior-point method for convex programming
[AD-A239457] 23 p3914 N91-31858

JARRELL, D. B.
A methodology for developing physical system fault diagnostic aids
[DE91-015533] 21 p3564 N91-29809

JARRELL, DON B.
An approach to acquiring quantitative and qualitative knowledge for fault diagnosis
[DE90-017868] 04 p0533 N91-12960

JARRELL, LAMONT
Combined air and water pollution control system
[NASA-CASE-NST-00007-1] 06 p0844 N91-14662

JARRELL, M.
Dynamics of the Anderson model for dilute magnetic alloys: A quantum Monte Carlo and maximum entropy study
[DE91-000445] 07 p0979 N91-15376

JARRELL, MARK
Applications of MaxEnt to quantum Monte Carlo
[DE91-000216] 03 p0401 N91-12231

JARRETT, BOBBY R.
Alternate approach for obtaining dynamic range in monopulse guidance systems
[AD-D014644] 11 p1651 N91-19100

JARVAISE, JEANNE M.
VHSIC electronics and the cost of Air Force avionics in the 1990s
[RAND-R-3843-AF] 18 p2926 N91-26143

JARVIS, ROBERT L.
What fuels our future?
[AD-A233674] 18 p2968 N91-26387

JARZEBA, WLODZIMIERZ
Nonexponential solvation dynamics of simple liquids and mixtures
[AD-A235968] 19 p3125 N91-27267
Ultrafast charge separation in ADMA experiment, simulation, and theoretical issues
[AD-A235486] 19 p3241 N91-27922

JARZEMBSKI, M.
Atmospheric aerosol and Doppler lidar studies
24 p4057 N91-32666

JARZEMBSKI, MAURICE
Airborne coherent continuous wave CO2 Doppler lidars for aerosol backscatter measurement
17 p2798 N91-25480

JASINSKI, RACHEL A.
Final shuttle-derived atmospheric database: Development and results from thirty-two flights
[NASA-CR-185636] 02 p0235 N91-11310

JASKOLLA, F.
Applicability of radar data for geoscientific purposes and expected improvements by use of multifrequency and multipolarization data 07 p0991 N91-15440

JASKOWIAK, MARTHA H.
Effects of high pressure nitrogen on the thermal stability of SiC fibers
[NASA-TM-103245] 08 p1106 N91-16075

JASNIEWICZ, G.
Homogenizing the object nomenclature in the IUE log of observations 09 p1447 N91-17981

JASPER, G. L.
Atmospheric environment for space shuttle (STS-41) launch
[NASA-TM-103525] 11 p1733 N91-19529
Atmospheric environment for space shuttle (STS-38) launch
[NASA-TM-103530] 13 p2113 N91-21633
Atmospheric environment for space shuttle (STS-35) launch
[NASA-TM-103538] 17 p2813 N91-25550

JASPER, WARREN JOSEPH
Experiments in thrusterless robot locomotion control for space applications
[NASA-CR-188027] 13 p2094 N91-21528
Experiments in thrusterless robot locomotion control for space applications 17 p2782 N91-25396

JASTROW, ROBERT
Studies of solar type stars 03 p0439 N91-12457
Trends in solar variability 03 p0442 N91-12472

JASZCZAK, J. A.
Temperature dependence of the elastic behavior of structurally disordered metallic superlattices
[DE91-014007] 20 p3320 N91-28377

JATEGAONKAR, RAVINDRA
Identification of the aerodynamic model of the DLR research aircraft ATTAS from flight test data
[DLR-FB-90-40] 13 p2023 N91-21130
Some results of ATTAS flight data analysis using maximum likelihood parameter estimation method
[DLR-FB-91-04] 22 p3619 N91-30133
Determination of aerodynamic characteristics from ATTAS flight data gathering for ground-based simulator
[DLR-FB-91-15] 24 p3949 N91-32076

JATKO, W. B.
Subpixel measurement of image features based on paraboloid surface fit
[DE91-004777] 10 p1575 N91-18667

JAUME, DENIS
Design of high voltage planar devices using SIPOS technology
[LAAS-90237] 05 p0653 N91-13629

JAVADI, H. H.
Application of microwave cavity perturbation techniques in conducting polymers
[AD-A239376] 23 p3820 N91-31310

JAVAKHISHVILI, J. I.
On hydrodynamics of collisionless relativistic plasma in a strong magnetic field
[DE90-513926] 02 p0274 N91-11543
Hydrodynamics of collisionless relativistic plasma in a strong magnetic field 06 p0919 N91-15072

JAVEED, MEHZAD
Status of DSMT research program
[NASA-TM-102764] 12 p1911 N91-20505
Experiments for locating damaged truss members in a truss structure
[NASA-TM-104093] 19 p3179 N91-27578

JAVELLE, J.
Towards a single certification action within Europe
03 p0307 N91-11711

JAVIDI, BAHRAM
Nonlinear joint transform processor
[AD-A225091] 03 p0418 N91-12339

JAVIERMENDIETAJIMENEZ, FRANCISCO
The SATEX project 07 p0948 N91-15202

JAWORSKI, ALLAN
Unattended network operations technology assessment study. Technical support for defining advanced satellite systems concepts
[NASA-CR-187080] 15 p2533 N91-24030

JAYARAM, GEETHA
Designing a training tool for imaging mental models
[NASA-CR-187891] 13 p2139 N91-21776

JAYASURIYA, SUHADA
Active vibration control techniques for flexible space structures
[NASA-CR-185643] 10 p1486 N91-18184
Attitude control/momentum management and payload pointing in advanced space vehicles
[NASA-CR-185644] 10 p1486 N91-18185

JAYNE, DOUGLAS
Investigation of anodic and chemical oxides grown on p-type InP with applications to surface passivation for n(+)-p solar cell fabrication 11 p1671 N91-19208

JAYNE, DOUGLAS T.
An x ray photoelectron spectroscopy study of Au(x)In(y) alloys
[NASA-TM-103659] 05 p0725 N91-14050

JAYNES, E. T.
Theory of radar target discrimination
[AD-A234172] 18 p2974 N91-26420

JEANDREAU, J. P.
ADENG, adhesive bonding technology for engineering applications: Computer aided design
[CETIM-105070] 05 p0703 N91-13917

JEANLOZ, R.
The pressure-induced Mott transition in transition-metal iodides
[DE91-013671] 20 p3318 N91-28366

JEANNERET, P. R.
Position requirements for space station personnel and linkages to portable microcomputer performance assessment
[NASA-CR-185606] 06 p0855 N91-14719

JEBASINSKI, R.
Formation of CoSi2 in SIMOX wafers by high dose Co implantation
[DE91-015639] 21 p3601 N91-30036

JEBELEAN, T.
Language recognition by nonpropagating cellular automata
[REPT-90-73] 10 p1574 N91-18658

JEDLICKA, R. P.
Experimental study of narrow slot, cavity-backed apertures with finite wall conductivity
[DE91-009039] 15 p2411 N91-23352

JEDLOVEC, GARY
Observation simulation experiments with regional prediction models 08 p1181 N91-16502

JEDLOVEC, GARY J.
A PC-based multispectral scanner data evaluation workstation: Application to Daedalus scanners
17 p2797 N91-25471
MAMS: High resolution atmospheric moisture/surface properties 24 p4057 N91-32664

JEDREY, THOMAS
Experiments for Ka-band mobile applications: The ACTS mobile terminal 03 p0351 N91-11961

JEELANI, SHAIK
Effect of grinding on the fatigue life of titanium alloy (5 Al-2.5 Sn) under dry and wet conditions
19 p3276 N91-28121
An evaluation of the interfacial bond properties between carbon phenolic and glass phenolic composites
19 p3276 N91-28123

JEFFERIES, KENT S.
Concentrator testing using projected images
[NASA-TM-104349] 19 p3114 N91-27204

JEFFERYS, W. H.
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840

JEFFERYS, WILLIAM H.
Astrometry with the ATF
[NASA-CR-187293] 04 p0608 N91-13383

JEFFRIES, H.
Proceedings of 2nd US/FRG Workshop on Photochemical Ozone Problem and its Control
[PB91-211847] 24 p4042 N91-32583

JEFFRIES, W. R., III
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 1: Technical/users manual
[NASA-TM-4268-PT-1] 18 p3016 N91-26654
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 2: Program/data listings
[NASA-TM-4268-PT-2] 19 p3202 N91-27697

JEGLEY, DAWN C.
Compression behavior of graphite-thermoplastic and graphite-epoxy panels with circular holes or impact damage
[NASA-TP-3071] 10 p1492 N91-18215

JELALIAN, A. V.
Infrared laser radar systems 07 p0943 N91-15170

JELINEK, M.
Simulation and analysis of high efficiency absorption systems for solar cooling, phase 2
[DE90-010964] 09 p1354 N91-17439

JELLEY, N.
Status of solar neutrino experiments
[DE91-007468] 10 p1625 N91-18964

JELLINEK, J.
Mode selectivity in cluster-molecule interactions: Ni13 + D2
[DE91-013352] 20 p3402 N91-28859

JELLISON, G. E., JR.
Two-channel spectroscopic polarization modulation ellipsometry
[DE91-010131] 15 p2507 N91-23893

JELLISON, J. L.
Experimental verification of physical model of pulsed laser welding
[DE91-000025] 08 p1158 N91-16380
Performance of three-crystal 1800 watt CW Nd:YAG laser
[DE91-004791] 09 p1341 N91-17365

JELSKI, DANIEL A.
Linear and nonlinear optical properties of small silicon clusters
[AD-A225495] 04 p0518 N91-12882
Comment on effect on surface reconstruction on stability and reactivity of Si clusters
[AD-A235517] 19 p3123 N91-27252
Thermoelectric phenomena in metals under large temperature gradients
[AD-A229548] 22 p3666 N91-30412
Optical (hyper) polarizabilities of small silicon clusters
[AD-A229383] 22 p3754 N91-30926

JELSMA, LAWRENCE F.
ASAT monitoring project at LLNL
[DE91-013247] 21 p3570 N91-29850

JENDRZEJCZYK, J. A.
Two-phase flow patterns and frictional pressure gradients in a small, horizontal, rectangular channel
[DE90-014802] 01 p0040 N91-10236
Two-phase flow patterns and frictional pressure gradients in a small rectangular channel
[DE91-009652] 15 p2421 N91-23414

Adiabatic two-phase flow frictional pressure drop. Part 2: A generalized method for data correlation
[DE91-014462] 21 p3512 N91-29501
Adiabatic two-phase flow frictional pressure drop. Part 1: Critical parameters and friction factors for air-water mixture
[DE91-014463] 21 p3512 N91-29502

JENG, J.
Fiber Optic Tactical Local Network (FOTLAN) 15 p2540 N91-24072

JENG, R. J.
Studies on relaxation behavior of corona poled aromatic dipolar molecules in a polymer matrix
[AD-A226512] 04 p0509 N91-12827
Design and synthesis of a new class of photocrosslinkable nonlinear optical polymers
[AD-A235852] 19 p3139 N91-27345
Optical characterization and patterning of nonlinear optical polymers with photocrosslinking groups
[AD-A235861] 19 p3140 N91-27349
New photocrosslinkable polymers for second order nonlinear optical processes
[AD-A235856] 20 p3321 N91-28386

JENKINS, D.
Codeless GPS Applications to Multi-Path: CGAMP 03 p0352 N91-11967

JENKINS, EDWARD B.
Interpreting the convergence of Lyman series absorption lines 05 p0760 N91-14225
Dynamics of the interstellar medium 09 p1431 N91-17877
M.S.L.A.P. Modular Spectral Line Analysis Program documentation
[NASA-CR-188713] 22 p3726 N91-30738

JENKINS, J. T.
Development and utilization of new diagnostics for dense-phase pneumatic transport
[DE91-008947] 15 p2409 N91-23339
Channel flow of a concentrated suspension
[DE91-016649] 24 p4016 N91-32453

JENKINS, JAMES
NASA information sciences and human factors program
[NASA-TM-4291] 18 p3097 N91-27119

JENKINS, KEITH
Research in optical symbolic tasks
[AD-A228797] 08 p1192 N91-16551

JENKINS, L. M.
Data analysis
[PNR-90749] 03 p0410 N91-12293

JENKINS, M. G.
Effect of post-sintering microwave treatments upon the mechanical performance of silicon nitride
[DE91-009122] 14 p2251 N91-22456
Chevron-notched, flexure tests for measuring the elevated temperature fracture resistance of structural ceramics
[DE91-009117] 15 p2404 N91-23310
Determination of high temperature creep parameters in structural ceramics from constant displacement, load-relaxation tests
[DE91-010130] 17 p2762 N91-25289
Elevated-temperature fracture resistances (K(sub IC), R-curves, gamma sub (omega OF)) of monolithic and composite ceramics using chevron-notched, bend tests
[NASA-TM-105090] 20 p3326 N91-28418

JENKINS, M. L.
The interaction of HVEM-generated point-defects with dissociated dislocations
[DE91-013353] 20 p3430 N91-29027

JENKINS, MICHAEL G.
Mechanical behavior and failure phenomenon of an in situ-toughened silicon nitride
[NASA-TM-103741] 15 p2404 N91-23311

JENKINS, P.
Effect of dislocations on properties of heteroepitaxial InP solar cells 22 p3632 N91-30209

JENKINS, PHILLIP
Investigation of anodic and chemical oxides grown on p-type InP with applications to surface passivation for n(+)-p solar cell fabrication 11 p1671 N91-19208

JENKINS, PHILLIP P.
Grooved surfaces on InP 22 p3632 N91-30208

JENKINS, R. A.
Characterization of rocket propellant combustion products: Description of sampling and analysis methods for rocket exhaust characterization studies
[DE91-002536] 05 p0644 N91-13574

JENKINS, R. N.
Atomic environments in iron meteorites using EXAFS 06 p0908 N91-15011

JENKINS, R. W.
Eigenvector weighting as an adaptive array interference cancellation technique 22 p3659 N91-30370

JENKINS, S.
High power CW performance from a Ti:Sapphire laser and a single-pass amplifier
[DE91-005269] 09 p1343 N91-17378
A 43 watt CW Ti:Sapphire laser
[DE91-010468] 15 p2433 N91-23479

JENKINS, W. K.
Joint Services Electronics Program
[AD-A239459] 23 p3862 N91-31536

JENNE, E. A.
Comparison of MAGIC and Diatom paleolimnological model hindcasts of lakewater acidification in the Adirondack region of New York
[DE91-010125] 19 p3186 N91-27616

JENNINGS, B. K.
Color transparency: Enchantment and effort
[DE91-016951] 24 p4097 N91-32890

JENNINGS, D. A.
Tunable far infrared studies of molecular parameters in support of stratospheric measurements
[NASA-CR-188774] 23 p3893 N91-31723

JENNINGS, DONALD E.
Imaging high-resolution spectroscopy in the thermal infrared for planetary atmosphere studies 10 p1623 N91-18952

JENNINGS, ERIC
Inelastic deformation of plate panels
[AD-A236662] 22 p3691 N91-30550

JENNINGS, G.
Photoemission measurement of Fermi surface, band dispersion, and quasiparticle lifetime in YBa2Cu3O6.9
[DE91-015194] 21 p3593 N91-29989

JENNINGS, JOHN R.
A search for very high energy gamma-rays from Cygnus X-3 02 p0296 N91-11658

JENNINGS, OMAR
Improvements in data acquisition technology for maintenance management systems
[PB91-164418] 22 p3766 N91-30993

JENNINGS, RICHARD LEONARD
Stellar convection and dynamo theory 08 p1244 N91-16857

JENNINGS, S.
Parts management for the 1990's 24 p4002 N91-32375

JENNISON, D. R.
Renormalization from density functional theory strong coupling models for the electronic structure of La2CuO4
[DE90-015990] 01 p0129 N91-10765

JENNISON, ROGER C.
A new model of the electron: A suggested experiment to search for a link between electromagnetism and gravity 23 p3895 N91-31738

JENSEN, ARTHUR S.
Westinghouse superconducting IR focal plane array
[AD-A229652] 12 p1990 N91-20949
High temperature superconductors. Westinghouse superconducting IR focal plane array
[AD-A233229] 16 p2694 N91-24917

JENSEN, B. J.
Synthesis of imide/arylene ether copolymers for adhesives and composite matrices
[NASA-TM-104067] 13 p2055 N91-21306
Imide/arylene ether block copolymers
[NASA-TM-104066] 13 p2055 N91-21308

JENSEN, BRIAN J.
Thermal characterization and toughness of ethynyl containing blends
[NASA-TM-104071] 14 p2250 N91-22448
Effect of molecular weight on polyphenylquinoxaline properties
[NASA-TM-104100] 18 p2966 N91-26377
LaRC-ITPI/arylene ether copolymers
[NASA-TM-104099] 18 p2966 N91-26378

JENSEN, C. C.
Battlefield laser wavemeter
[DE91-007485] 10 p1527 N91-18410
The physics of dye laser amplifiers
[DE91-007489] 10 p1531 N91-18432

JENSEN, D. R.
Evaluation of the Navy oceanic vertical aerosol model using lidar and PMS particle-size spectrometers
[AD-A233653] 18 p3011 N91-26625

JENSEN, DAVID W.
Computer programming and group theory
[AD-A225155] 03 p0401 N91-12228

JENSEN, DOUGLAS R.
Horizontal variability of the marine boundary layer structure upwind of San Nicolas Island during FIRE, 1987 01 p0088 N91-10519

JENSEN, E. D.
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 1
[AD-A232289] 15 p2414 N91-23369
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 2
[AD-A232290] 15 p2414 N91-23370
Decentralized computing technology for fault-tolerant, survivable C3I systems. Volume 3: System/subsystem specification
[AD-A232291] 15 p2414 N91-23371

JENSEN, E. DOUGLAS
A new generation of real-time DOS technology for mission-oriented system integration and operation 11 p1774 N91-19725

JENSEN, ERIC
Mars manned fusion spaceship
[NASA-CR-188215] 15 p2390 N91-23232

JENSEN, ERIC JON
A numerical model of polar mesospheric cloud formation and evolution 02 p0240 N91-11337

JENSEN, G. A.
Radioluminescent polymer lights
[DE91-005521] 11 p1686 N91-19290

JENSEN, G. E.
Hybrid propulsion technology program 16 p2571 N91-24247

JENSEN, G. L.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923

JENSEN, J. R.
Wetlands mapping with spot multispectral scanner data
[DE91-000780] 04 p0545 N91-13024

JENSEN, JAMES O.
Ab initio study of the electric dipole transition moment for the electronic X to C transition in acetylene: Theoretical predictions of the absorption and magnetic circular dichroism intensities
[AD-A231227] 13 p2077 N91-21442
Theoretical study of the radiative lifetime for the spin-forbidden transition a3 (sigma u +) to X1 (sigma g +) in He2
[AD-A230956] 13 p2151 N91-21854

JENSEN, JORGEN B.
A study of marine stratocumulus using lidar and other FIRE aircraft observations 01 p0087 N91-10511

JENSEN, L. G.
Biaxial Bianchi type 9 quantum cosmology
[DE91-009610] 14 p2338 N91-22925
A new mechanism for neutralizing the cosmological constant
[DE91-009790] 14 p2347 N91-22983

JENSEN, PATRICK T.
An analytically linearized helicopter model with improved modeling accuracy
[NASA-CR-188715] 22 p3618 N91-30126

JENSEN, POUL ANKER
Magnetic measurements with fluxgate magnetometer in rocket flight
[DRI-4-90] 08 p1104 N91-16061

JENSEN, ROBERT E.
Comparison of Atlantic coast wave information study hindcasts with field research facility gage measurements
[AD-A229515] 22 p3711 N91-30656

JENSEN, RONALD N.
Multi-colored layers for visualizing aerodynamic flow effects
[NASA-CASE-LAR-13742-1] 09 p1273 N91-16999

JENSEN, S.
Optimisation of operational workload levels using neurophysiological and cognitive techniques 08 p1193 N91-16560

JENSEN, S. K.
Aft segment dome-to-stiffener factory joint insulation void elimination
[NASA-CR-184185] 22 p3641 N91-30264

JENSEN, T. H.
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918

JENSEN, WILLIAM N.
Operations engineering: Time for a new paradigm 14 p2219 N91-22267

JENSSEN, H. P.
New laser materials for laser diode pumping
[NASA-CR-187786] 18 p2992 N91-26521

JENTINK, HENDRIK WILLEM
Laser Doppler velocimetry using diode lasers
[ISBN-90-9002803-X] 01 p0048 N91-10285

JENTINK, THOMAS NEIL
Formulation of boundary conditions for the multigrid acceleration of the Euler and Navier Stokes equations
[NASA-CR-188234] 15 p2426 N91-23440

JEON, CHANG SOO
Experimental study of a two-dimensional propulsive wing in a low-speed wind tunnel 09 p1272 N91-16994

JEONG, D. Y.
Evaluation of Elber's crack closure model as an explanation of train load sequence effects on crack growth rates
[PB90-268624] 09 p1351 N91-17419
JEONG, DONG YOUL
A sectorial analysis of the information sector in the information economy: Its comparative measurement and new classification model 08 p1242 N91-16845
JEONG, HYUNJO
Ultrasonic characterization of elastic constants and defects in composite materials 17 p2746 N91-25191
JEONG, MYUNG CHAN
High accuracy position control over a large range using a macro/micro robot pair system with a magnetic levitation micro-robot 04 p0531 N91-12946
JEONG, Y. H.
Characteristics of autoclave and in-reactor nodular corrosion of Zircaloys
[DE91-013600] 21 p3479 N91-29294
JEPPESEN, R. G.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
JEPPSON, MARK M.
Integrated diagnostics for fault-tolerant systems 04 p0484 N91-12694
JEPSEN, C.
Effects of weightlessness (sea water immersion) on body fluid balance and CNS functions 15 p2449 N91-23566
JERACKI, R. J.
Evaluation of panel code predictions with experimental results of inlet performance for a 17-inch ducted prop/fab simulator operating at Mach 0.2
[NASA-TM-104428] 17 p2728 N91-25106
JERACKI, ROBERT J.
Ultra-high bypass research 12 p1841 N91-20117
JERINA, K. L.
Reliability of computational analysis of plasticity problems
[AD-A239646] 23 p3887 N91-31691
JERMAN, G. A.
Strength and electrical conductivity of deformation processed Cu-15 v/o Fe metal composites produced by powder metallurgy/techniques
[DE91-013658] 20 p3305 N91-28291
JERNIGAN, J. GARRETT
Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
Performance measurements of hybrid PIN diode arrays
[DE90-010308] 08 p1232 N91-16790
JEROME, S. M.
Environmental radioactivity measurement intercomparison exercise 1990
[NPL-RSA(EXT)-20] 24 p4094 N91-32875
JERRAYA, AHMED AMINE
Silicon compilation and the SYCO silicon compiler
[ETN-90-97827] 02 p0253 N91-11404
JERSTAD, N. M.
Structural development of laminar flow control aircraft chordwise wing joint designs
[NASA-CR-181888] 06 p0784 N91-14346
JERVIS, T. R.
Structure-process-property relations in excimer laser surface processed Ti-6Al-4V alloy
[DE91-004859] 07 p0981 N91-15383
Excimer laser surface processing for tribological applications in metals and ceramics
[DE91-002324] 11 p1712 N91-19428
JESKE, H.
Modification of tropospheric propagation conditions 10 p1553 N91-18543
JESPERSEN, DENNIS C.
Computational fluid dynamics on a massively parallel computer 02 p0154 N91-10896
JESPERSON, DENNIS C.
Performance of a parallel code for the Euler equations on hypercube computers
[NASA-TM-102260] 02 p0249 N91-11384
JESSBERGER, E. K.
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006
JESSBERGER, ELMAR K.
Introduction to meteoritics 10 p1620 N91-18933
Radio and infra-red observations of Comet Austin 1989CI 10 p1623 N91-18956
JESSON, D. E.
Compositional imaging of semiconductor interfaces by Z-contrast Scanning Transmission Electron Microscope (STEM)
[DE90-017763] 02 p0280 N91-11576
Direct imaging of ordering in Si-Ge alloys, ultrathin superlattices, and buried Ge layers
[DE91-014580] 20 p3433 N91-29044
High-resolution Z-contrast imaging of superlattices and heterostructures
[DE91-015329] 21 p3594 N91-29994
JESSOP, E. S.
The effects of HMX particle size and binder stiffness on the burning mechanism and regression rate of a series of fast burning propellants
[DE91-015785] 21 p3494 N91-29387
JESSUP, E. R.
A divide and conquer approach to the nonsymmetric eigenvalue problem
[DE91-011085] 18 p3052 N91-26854
Parallel implementation of a nonsymmetric tridiagonal eigensolver
[DE91-016773] 24 p4087 N91-32834
JETHRA, A.
Issues in developing parallel iterative algorithms for solving partial differential equations on a (transputer-based) distributed parallel computing system
[DE91-622927] 17 p2837 N91-25681
JETT, T.
Evaluation of bearing configurations using the single bearing tester in liquid nitrogen
[NASA-TM-103527] 13 p2095 N91-21532
JEURING, JOHAN
Algorithms from theorems
[RUU-CS-90-3] 04 p0565 N91-13140
Algorithms from theorems
[CWI-CS-R9006] 07 p1051 N91-15767
JEWELL, J. L.
Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377
JEWELL, WAYNE F.
Fully automatic guidance and control for rotorcraft nap-of-the-Earth flight following planned profiles. Volume 1: Real-time piloted simulation
[NASA-CR-177571-VOL-1] 13 p2027 N91-21149
Fully automatic guidance and control for rotorcraft nap-of-the-Earth flight following planned profiles. Volume 2: Mathematical model
[NASA-CR-177571-VOL-2] 13 p2027 N91-21150
JEWETT, BOB
Materials sub-panel 20 p3299 N91-28245
JEWITT, DAVID
Submillimetre photometry of comets 13 p2181 N91-22052
JEWITT, DAVID C.
Far-IR and submillimeter radiation from cometary and circumstellar dust 10 p1621 N91-18940
JEWULSKI, J. R.
Solid-state proton conductors
[DE91-002050] 18 p3071 N91-26970
JEZEK, K. C.
Polar communications: Status and recommendations. Report of the Science Working Group
[NASA-TM-105035] 22 p3658 N91-30359
JEZIERSKI, CARL B.
General aviation and TCAS 04 p0461 N91-12577
JEZOWSKI, A.
Thermal conductivity of high-temperature superconductors in normal state 11 p1789 N91-19818
JHA, L. N.
Temporal behaviour of self generated magnetic field and its influence on inhibition of thermal flux in ICF plasma
[DE90-627478] 01 p0124 N91-10731
JHABVALA, M.
Direction discriminating hearing aid system 14 p2356 N91-23029
JHABVALA, MURZBAN
Method of fabricating germanium and gallium arsenide devices
[NASA-CASE-GSC-13265-1] 05 p0728 N91-14066
JHABVALA, MURZBAN D.
Visual aid for the hearing impaired
[NASA-CASE-GSC-13027-1-CU] 19 p3169 N91-27522
JIA, TIESHENG
Design and implementation of real-time computer coordinated force actuating system with multi-input/output
[AD-A233114] 16 p2669 N91-24768
JIA, WEI
An incompressible flow solver 24 p3944 N91-32040
JIA, ZHENHONG
A boundary element method for elastostatic and elastodynamic crack problems in two and three dimensions 06 p0837 N91-14626
JIAN, CHEN
A membrane for in-situ optical detection of organic nitro compounds based on fluorescence quenching
[AD-A234071] 19 p3122 N91-27248
JIANG, BO-NAN
The L sub 1 finite element method for pure convection problems
[NASA-TM-103773] 16 p2677 N91-24817
Least-squares solution of incompressible Navier-Stokes equations with the p-version of finite elements
[NASA-TM-105203] 23 p3922 N91-31911
JIANG, TAI-LUN
Turbulent mixing in nonreacting and reacting flows: A PDF approach at the two-point level 15 p2423 N91-23422
JIANG, W.
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
JIANG, WEIHUA
Theoretical study of plasma focus diode 11 p1801 N91-19887
JIANG, X.
The influence of potential on metal-adsorbate structure: Solvent-independent nature of infrared spectra for Pt(111)/CO
[AD-A237509] 21 p3596 N91-30004
JIANG, XIANG-QI
The fabrication and characteristics of Ta2N field emitters
[AD-A227556] 09 p1312 N91-17199
The fabrication and characteristics of YB2Cu3O(7-x)/W and Y2O3/W field emitters
[AD-A227561] 09 p1409 N91-17756
JIANHUA, HU
A hydraulically driven microdisplacement unit
[ME-56] 08 p1160 N91-16392
JIAO, DALE
Ultrasonic oblique incidence interface characterization 07 p1014 N91-15569
JIASEN, HU
Some treatments on boundary conditions for quasi one-dimensional Euler equations
[FFA-TN-1990-36] 13 p2081 N91-21469
JIH, JUNHAUR
Boundary element methods in structural shape synthesis 02 p0253 N91-11406
JILG, R.
The microgravity environment of the D1 mission 03 p0430 N91-12407
JIMENEZ, A.
The development of the Ariane-4 adaptor 937B 03 p0327 N91-11823
JIMENEZ, ANTONIO
Compact payload test range: Reflectors development 03 p0326 N91-11815
JIMENEZ, B. D.
Biomarker-based biomonitoring for evaluating health and ecological effects on environmental contamination
[DE91-013729] 20 p3379 N91-28719
JIMENEZ, J. R.
Epitaxial growth of silicon on CoSi2(001)/Si(001)
[DE91-013387] 20 p3428 N91-29015
JIMENEZRUEDA, J. R.
The importance of fracturing in the structure of the Pimenta-Bueno Basin (RO)
[INPE-5073-PRE/1592] 04 p0547 N91-13031
JIMENEZRUEDA, JAIRO ROBERTO
Correlative studies between spectral responses and weathering indices of alternate weathered cover
[INPE-5176-PRE/1645] 13 p2110 N91-21618
JIN, C.
Ultraviolet photoelectron spectra of gallium arsenide clusters
[AD-A224927] 13 p2047 N91-21261
JIN, IK-MIN
Control design variable linking for optimization of structural/control systems 24 p3963 N91-32144
JIN, J. M.
Use of edge-based finite elements for solving three dimensional scattering problems
[NASA-CR-188735] 22 p3744 N91-30860
JIN, J.-M.
A finite element conjugate gradient FFT method for scattering 11 p1689 N91-19306
JIN, JIAN-MING
A finite element-boundary integral method for scattering and radiation by two- and three-dimensional structures
[NASA-CR-188071] 12 p1884 N91-20359
JIN, WEI-QING
Viscosity measurements at high temperature and high pressure: A novel technique
[NASA-CR-187239] 05 p0711 N91-13967

JIN, XUN-SHU
Environmental testing for Chinese communications satellites 07 p0951 N91-15226
JIN, YANHE
Electron distortion effects in quasi-elastic electron scattering
[DE91-009034] 13 p2149 N91-21843
JINANG, DAZHONG
Experimental research on digital control of engine JT15D-4
[AD-A225342] 04 p0481 N91-12681
JINCHARADZE, P. G.
Matter penetration and motion through the magnetosphere of neutron star 06 p0921 N91-15087
JING, FENG CHEN
Optical and electrical properties of thin superconducting films
[NASA-CR-188668] 19 p3246 N91-27956
JING, HONGXING
Persistent photoconductivity in II-VI mixed semiconductors related critical phenomena and applications
[AD-A237792] 21 p3506 N91-29460
JING, T.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
JING, ZHONGQI
Alignment of tomographic projections using an incomplete set of fiducial markers
[AD-A238536] 21 p3558 N91-29772
JIRBERG, RUSSELL
LBR-2 Earth stations for the ACTS program 03 p0353 N91-11971
JIRIKOWIC, J. L.
A probable approx. 2400 year solar quasi-cycle in atmospheric delta C-14 03 p0442 N91-12470
A mechanism involving solar ultraviolet variations for modulating the interannual climatology of the middle atmosphere 03 p0444 N91-12480
JOACHUM, ANNE M.
Turbulence profiling in the atmospheric boundary layer using three powered gliders 14 p2290 N91-22663
JOBE, D. O.
Gaseous prebreakdown processes that are important for pulsed power switching
[DE91-015902] 21 p3510 N91-29487
JOBSON, DANIEL J.
A discrepancy within primate spatial vision and its bearing on the definition of edge detection processes in machine vision
[NASA-TM-102739] 05 p0707 N91-13941
Modes of visual recognition and perceptually relevant sketch-based coding for images
[NASA-TM-104051] 10 p1579 N91-18692
JOCHUM, ANNE M.
International Workshop on the Airborne Measurement of Wind, Turbulence and Position: Workshop report
[DLR-MITT-90-13] 14 p2288 N91-22652
JOCOY, EDWARD H.
Description of the bistatic radar terrain measurements system equipment
[AD-A226808] 06 p0818 N91-14517
JODALEN, VIVIANNE
Ionospheric HF radio propagation at high latitudes using conventional and spread spectrum modulation
[FFI-91/7003] 22 p3665 N91-30404
JOENSSON, D.
Metallisation methods and applications 03 p0327 N91-11817
JOERG, CHRISTOPHER F.
Design and implementation of a packet switched routing chip
[AD-A232286] 15 p2419 N91-23401
JOG, CHANDA J.
Collisional removal of HI from the inner disks of Virgo cluster galaxies 08 p1262 N91-16952
JOHANNES, JAMES D.
Hubble Space Telescope Design Engineering Knowledgebase (HSTDEK)
[NASA-CR-187838] 09 p1425 N91-17845
JOHANNESEN, LEILA
Making intelligent systems team players: Case studies and design issues. Volume 1: Human-computer interaction design
[NASA-TM-104738-VOL-1] 22 p3722 N91-30713
JOHANNSEN, CHRIS J.
NASA applications project in Miami County, Indiana
[NASA-CR-187916] 09 p1354 N91-17438
NASA applications project in Miami County, Indiana
[NASA-CR-188007] 14 p2280 N91-22608
JOHANSEN, J. D.
Preparation of a novel gallium arsenide single-source precursor having the empirical formula AsCl3Ga2
[AD-A233704] 18 p3068 N91-26949
JOHANSEN, LARS BO
Fluid shifts and regulation of plasma volume in humans during 12 hours of head-out water immersion 11 p1746 N91-19602
Influence on natriuresis of prolonged (12 h) water immersion on central hemodynamics and endocrine elements in humans 11 p1748 N91-19612
JOHANSON, WILLIAM
Using a graphical programming language to write CAMAC/GPIB instrument drivers
[NASA-TM-103849] 17 p2832 N91-25647
JOHANSSON, AAKE
The reduced version of the DERF 2 data set on a WORM optical disk
[DM-54] 15 p2524 N91-23991
JOHANSSON, E. M.
Diffraction-limited imaging of satellites using bispectral speckle interferometry
[DE91-015745] 21 p3605 N91-30062
JOHANSSON, L. E. B.
Proceedings of 146th IAU Symposium on Dynamics of Galaxies and Molecular Cloud Distribution
[PB91-123661] 11 p1819 N91-19994
JOHANSSON, MELKER
Environmental noise from the Naesudden (Sweden) and Maglarp (Sweden) prototype wind turbines: A study of machinery noise
[FFA-TN-1990-34] 08 p1218 N91-16706
JOHANSSON, PER-ERIK
Measurements of air quality and meteorological conditions in seven communities in northern Sweden
[FOA-C-40281-4.5] 14 p2290 N91-22665
JOHANSSON, S.
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
JOHE, CH.
Modeling blade/vortex interactions
[ISL-R-107/89] 01 p0003 N91-10016
JOHENNING, BERND
A multi-vehicle space carrier fleet cost model for a multi-mission scenario
[ILR-MITT-240(1990)] 11 p1655 N91-19120
JOHLANDER, BENGT
Test structures and measurement techniques for radiation hardening 24 p3996 N91-32332
JOHLL, W. P.
Development of prototype sealed bipolar lithium/sulfide cells
[DE91-015721] 23 p3859 N91-31519
JOHN, BONNIE E.
Towards real-time GOMS
[AD-A232028] 15 p2486 N91-23763
JOHNS, ALBERT L.
Flow visualization and hot gas ingestion characteristics of a vectored thrust STOVL concept 12 p1836 N91-20090
Hot gas ingestion test results of a two-poster vectored thrust concept with flow visualization in the NASA Lewis 9- x 15-foot low speed wind tunnel
[NASA-TM-103258] 13 p2020 N91-21116
JOHNS, ELIZABETH
Current velocity and hydrographic observations in the southwestern North Atlantic Ocean: Subtropical Atlantic Climate Studies (STACS), 1989
[PB91-115535] 13 p2123 N91-21685
JOHNS, STEPHEN R.
Research into display sharing techniques for distributed computing environments
[NASA-CR-186570] 10 p1567 N91-18615
JOHNS, STEVEN T.
Pulse compression of 100 picosecond pulses at 1.319 microns
[AD-A232552] 15 p2508 N91-23901
JOHNSEN, BJOERN A.
Development of procedures for verification of alleged use of chemical warfare agents: Application of procedures after a simulated attack on an air base
[FFI-91/6006] 24 p3963 N91-32148
Analysis of samples for the second (1990) round robin interlaboratory exercise
[FFI-91/6004] 24 p3972 N91-32188
JOHNSEN, RAINER
Kinetics of organophosphate reactions
[AD-A225269] 03 p0388 N91-12161
JOHNSON-PASQUA, CHRISTOPHER M.
Analysis of tethered balloon data from San Nicolas Island on 8 July 1987 01 p0088 N91-10517
San Nicolas Island surface radiation-meteorology data 01 p0091 N91-10531
JOHNSON, A. B.
The aerodynamic effects of nozzle guide vane shock wave and wake passing on a transonic turbine rotor 02 p0158 N91-10915
JOHNSON, A. D.
Shape-memory alloy tactical feedback actuator, phase 1
[AD-A231389] 15 p2400 N91-23289
Structural and electrical properties of titanium-nickel films deposited onto silicon substrates
[AD-A236445] 19 p3159 N91-27465
JOHNSON, ALAN E.
Nonexponential solvation dynamics of simple liquids and mixtures
[AD-A235968] 19 p3125 N91-27267
JOHNSON, ALAN THORNTON, JR.
Effect of leads and quantum fluctuations in small superconducting tunnel junctions
[AD-A227311] 07 p1072 N91-15900
JOHNSON, ANDREW DAVID
Epitaxial growth and surface morphology of some metal and semiconductor structures 08 p1238 N91-16824
JOHNSON, ANNE
The BioHome: A spinoff of space technology 05 p0692 N91-13852
JOHNSON, ANNE H.
New research on bioregenerative air/water purification systems 15 p2537 N91-24053
JOHNSON, ARDEN P.
Improvement in the capacity and safety of lithium/inorganic electrolyte sulfur dioxide rechargeable cells, phase 2
[AD-A235303] 18 p3004 N91-26589
JOHNSON, B. CAROL
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532
JOHNSON, B. L., III
Worldwide wind/diesel hybrid power system study: Potential applications and technical issues
[DE91-002160] 21 p3535 N91-29643
JOHNSON, B. V.
Heat transfer in rotating serpentine passages with trips normal to the flow
[NASA-TM-103758] 11 p1715 N91-19443
Effects of rotation on coolant passage heat transfer. Volume 1: Coolant passages with smooth walls
[NASA-CR-4396-VOL-1] 22 p3679 N91-30489
JOHNSON, BARBARA ELLEN
Experimental and numerical studies of solid fuel combustion in an opposed flow configuration 10 p1495 N91-18228
JOHNSON, BILLY H.
Data employed in the development of a three-dimensional, time-varying numerical hydrodynamic model of Chesapeake Bay
[AD-A231654] 14 p2292 N91-22673
JOHNSON, BRUCE G.
Sliding mode control of magnetic suspensions for precision pointing and tracking applications 13 p2035 N91-21193
JOHNSON, BURGESS
Monolithic integration of semiconductor and superconductor components
[AD-A231464] 13 p2163 N91-21930
Monolithic integration semiconductor and superconductor components
[AD-A234986] 18 p3069 N91-26959
JOHNSON, C.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0198 N91-11108
JOHNSON, C. S.
Application of digital compression techniques to optical surveillance systems
[DE91-016404] 23 p3914 N91-31854
JOHNSON, C. W.
User's manual for rocket combustor interactive design (ROCCID) and analysis computer program. Volume 1: User's manual
[NASA-CR-187109] 16 p2567 N91-24230
User's manual for rocket combustor interactive design (ROCCID) and analysis computer program. Volume 2: Appendixes A-K
[NASA-CR-187110] 16 p2568 N91-24231
JOHNSON, CARL
Second Industry Workshop on Polymer Composite Processing
[PB91-132191] 16 p2604 N91-24427
JOHNSON, CARL E.
Desorption of H2O and H2 from steel and LiAO2 by temperature programmed desorption
[DE90-011170] 08 p1114 N91-16118

JOHNSON, CHRISTOPHER S.
Experimental assessment of dynamic structural parameters for homogeneous and interfacial charge-transfer reactions: Case studies based on time-dependent Raman scattering methods
[AD-A235570] 19 p3157 N91-27453
JOHNSON, D. A.
A laser Doppler velocimeter approach for near-wall three-dimensional turbulence measurements
[NASA-TM-102841] 05 p0658 N91-13653
JOHNSON, D. D.
Order and disorder in metallic alloys
[DE91-009120] 15 p2400 N91-23292
From electronic structure to alloy phase stability
[DE91-011187] 17 p2760 N91-25281
Ordering energy of B2 alloys calculated in the frozen potential and Harris approximations
[DE91-017228] 24 p3978 N91-32220
JOHNSON, D. L.
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 1: Technical/users manual
[NASA-TM-4268-PT-1] 18 p3016 N91-26654
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 2: Program/data listings
[NASA-TM-4268-PT-2] 19 p3202 N91-27697
JOHNSON, D. LYNN
Plasma synthesis and sintering of advanced ceramics
[AD-A227932] 07 p0986 N91-15413
JOHNSON, D. R.
Satellite altimetry for naval oceanography
[AD-A231081] 13 p2124 N91-21691
NDE (Nondestructive Examination) development for ceramics for advanced heat engines
[DE91-005516] 15 p2405 N91-23316
JOHNSON, D. S.
On the structure of polynomial models of 2-D systems
[MATHS-REPT-A-139] 15 p2494 N91-23812
JOHNSON, D. W.
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
JOHNSON, DEBRA STEELE
The effects of outcome and process feedback
[NASA-CR-187332] 01 p0103 N91-10595
The development of expertise using an intelligent computer-aided training system
12 p1944 N91-20693
Training effectiveness of an intelligent tutoring system for a propulsion console trainer
18 p3093 N91-27097
JOHNSON, DENNIS
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
JOHNSON, DENNIS A.
More accurate predictions with transonic Navier-Stokes methods through improved turbulence modeling
02 p0145 N91-10850
Laser velocimeter for near-surface measurements
[NASA-CASE-ARC-11917-1] 07 p1005 N91-15520
JOHNSON, DENNIS R.
Analysis and synthesis of radiative heat transfer in longitudinal fins in free space and non-free space
[AD-A236942] 19 p3257 N91-28019
JOHNSON, DONALD R.
Atlas of the global distribution of atmospheric heating during the global weather experiment
[NASA-CR-4370] 19 p3201 N91-27694
JOHNSON, E. D.
Soft x ray magnetic scattering study of thin films and multilayers
[DE91-017472] 24 p4102 N91-32920
JOHNSON, E. P.
Tethering sockets and wrenches
[NASA-CR-184032] 05 p0661 N91-13675
JOHNSON, E. R.
A study of the response of nonlinear springs
[NASA-CR-188602] 17 p2859 N91-25807
JOHNSON, E. W.
Post-encapsulation plutonia reduction for Galileo and Ulysses GPHS modules: The Module Reduction and Monitoring Facility (MRMF)
[DE91-008131] 13 p2152 N91-21861
JOHNSON, EARL
KSC's work flow assistant 12 p1941 N91-20680
JOHNSON, ERIC C.
Ultrasonic evaluation of SRMU bondlines
[AD-A231697] 14 p2236 N91-22369
JOHNSON, ERIC R.
Large deformation behavior of long shallow cylindrical composite panels
[NASA-CR-4355] 13 p2100 N91-21557
JOHNSON, G.
A review of interaction mechanisms in fluid-solid flows
[DE91-000941] 05 p0659 N91-13660
Steady flow of a fluid-solid mixture between parallel plates
[DE91-013114] 21 p3510 N91-29491
JOHNSON, G. A.
InP and InGaAs submicron gate microwave power transistors for 20 GHz applications
[AD-A238595] 21 p3508 N91-29473
JOHNSON, G. K.
Liquid alloys with strong interactions
[DE90-017661] 02 p0197 N91-11102
JOHNSON, GARY S.
Continuous fiber thermoplastic prepreg
[NASA-CASE-LAR-14459-1] 07 p0972 N91-15334
JOHNSON, GEORGE C.
Nondestructive evaluation of residual stress in anisotropic materials
[DE91-000952] 04 p0537 N91-12978
JOHNSON, GREGORY C.
Near-equatorial deep circulation in the Indian and Pacific oceans
[AD-A232635] 15 p2471 N91-23691
JOHNSON, H. R.
Chromospheric variation and phase relation in M giants 09 p1437 N91-17918
JOHNSON, HELEN SUE
New methods for producing, recording, and processing interferometric moire patterns 08 p1163 N91-16405
JOHNSON, J.
The special requirements of a VSTOL aircraft
20 p3283 N91-28155
JOHNSON, J. A.
A model-based approach to intelligent control of gas metal arc welding
[DE91-006170] 10 p1532 N91-18439
JOHNSON, J. D.
A generic model for the ionic contribution to the equation of state
[DE91-006011] 09 p1419 N91-17810
Vibrational spectroscopy of shock-compressed liquid CO
[DE91-013204] 20 p3310 N91-28325
JOHNSON, J. E.
Structure of the marine boundary layer over the Pacific Ocean during the RITS 88 and RITS 89 cruises
[PB91-176412] 19 p3206 N91-27721
JOHNSON, J. N.
CHARADE: A characteristic code for calculating rate-dependent shock-wave response
[DE91-006791] 10 p1506 N91-18291
Dynamic plasticity in transition from thermal activation to viscous drag
[DE91-013031] 20 p3361 N91-28617
Anelastic release from the shock-compressed state
[DE91-009961] 23 p3884 N91-31672
JOHNSON, J. R.
Determination of lunar ilmentite abundances from remotely sensed data 17 p2754 N91-25241
Remote compositional mapping of lunar titanium and surface maturity 17 p2902 N91-26029
JOHNSON, J. SCOTT
Hypermedia 1990 structured Hypertext tutorial
[NASA-CR-187921] 15 p2481 N91-23731
JOHNSON, JACQUELINE UMSTEAD
A gravitational test of wave reinforcement versus fluid density models 10 p1630 N91-18990
JOHNSON, JAMES W.
Space Station Freedom: Dynamic instrumentation for a large space structure
[NASA-TM-102711] 09 p1353 N91-17432
JOHNSON, JEFFREY D.
Artificial neural system for object classification and orientation estimation
[AD-A234936] 22 p3740 N91-30837
JOHNSON, JEFFREY EDWARD
Spatial and temporal climate variations influencing medium-range temperature predictions over south-central European Russia
[AD-A228623] 08 p1187 N91-16527
JOHNSON, JEFFREY R.
Determination of lunar ilmenite abundances from remotely sensed data 16 p2596 N91-24383
JOHNSON, JESSE P.
Development of a funding, cost, and spending model for satellite projects 17 p2882 N91-25936
JOHNSON, JOHN A.
Ultrasound generation through a fiber optic delivery system using pulsed laser energy
[DE91-001914] 05 p0711 N91-13970
Sensing of metal-transfer mode for process control of GMAW (Gas Metal Arc Welding)
[DE90-010946] 08 p1158 N91-16377
The dynamics of droplet formation and detachment in gas metal arc welding
[DE91-006130] 10 p1531 N91-18437
JOHNSON, JOHN E.
An assessment of data requirements for quasigeostrophic nowcasts and hindcasts of a mesoscale eddy field in the California current system with application to fall transition
[AD-A231394] 14 p2291 N91-22672
JOHNSON, JONI JAYNE
From red giants to planetary nebulae: Asymmetries, dust, and polarization 02 p0289 N91-11622
JOHNSON, JOSEPH A., III
Turbulent molecular processes and structures in supersonic free shear layers
[AD-A236922] 19 p3165 N91-27500
JOHNSON, K. C.
Energy and Technology Review, February-March 1991
[DE91-015487] 23 p3942 N91-32031
Energy and technology review
[DE91-016873] 24 p4040 N91-32572
JOHNSON, K. F.
H(-) beam characterization using laser-induced neutralization
[DE91-013501] 20 p3352 N91-28564
Beam structure and transverse emittance studies of high-energy ion beams
[DE91-013499] 20 p3404 N91-28871
Measurement of longitudinal emittance growth using a laser-induced neutralization method
[DE91-013500] 21 p3522 N91-29560
JOHNSON, K. M.
Ocean survey of inorganic carbon
[DE91-011130] 17 p2816 N91-25565
JOHNSON, KELLEY TINA
A color-coded vision scheme for robotics
14 p2315 N91-22785
JOHNSON, KIRK
The MIT Alewife machine: A large-scale distributed-memory multiprocessor
[AD-A237705] 21 p3560 N91-29784
JOHNSON, L. D.
Document format considerations for a document tracking and storage system
[DE91-013402] 20 p3438 N91-29079
JOHNSON, L. R.
The potential role of maglev in short-haul airline operations
[DE91-010813] 17 p2784 N91-25408
JOHNSON, LEE F.
Hyperspectral data analysis for estimation of foliar biochemical content along the Oregon transect
17 p2797 N91-25472
Advanced Solid-State Array Spectrometer (ASAS) data sets from the 1990 field season: A unique look at two forested ecosystems 17 p2800 N91-25488
JOHNSON, LELAND L.
The future of INTELSAT in a competitive environment
[AD-A231540] 14 p2233 N91-22355
Direct broadcast satellites: A competitive alternative to cable television?
[RAND-R-4047-MF/RL] 19 p3111 N91-27190
JOHNSON, M. A.
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511
JOHNSON, M. E.
Power output minimisation and power absorption in the active control of sound
[ISVR-TR-191] 22 p3751 N91-30911
JOHNSON, M. G.
Predicting and forecasting surface water acidification: A plan for assessing data aggregation effects
[PB91-182451] 22 p3703 N91-30609
JOHNSON, M. W.
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
JOHNSON, MARJORY J.
Coping with data from Space Station Freedom
[NASA-CR-188885] 24 p4116 N91-33005
JOHNSON, MICHAEL W.
Electron density comparisons between radar observations and 3-D ionospheric model calculations
[AD-A227703] 08 p1126 N91-16187
JOHNSON, MICHAEL WILLIAM
HEAO A-1 observations of x ray emitting clusters of galaxies 03 p0450 N91-12511
JOHNSON, N. F.
The relevance of animal bioassays to assess human health hazards to inorganic fibrous materials
[DE91-017516] 24 p4075 N91-32770

JOHNSON, N. R.
Study of spin-temperature effects using energy-ordered continuum gamma ray spectroscopy technique
[DE91-002854] 06 p0872 N91-14818
JOHNSON, P.
Coherent fiber optic links
[AD-A233465] 16 p2689 N91-24889
JOHNSON, P. M.
Studies of atmospheric molecules by multiphoton spectroscopy
[DE91-006738] 11 p1737 N91-19554
JOHNSON, PHILIP C., JR.
Effects of weightlessness on human fluid and electrolyte physiology 17 p2819 N91-25578
JOHNSON, R.
Computer controlled MHD power consolidation and pulse generation system
[DE91-006793] 11 p1697 N91-19347
JOHNSON, R. A.
Study of the embedded atom method of atomistic calculations for metals and alloys
[DE91-001640] 07 p0980 N91-15378
JOHNSON, R. BARRY
Reluctant glass formers and their applications in optical lens design 13 p2062 N91-21351
JOHNSON, R. F.
Noncontact small-diameter-bore gauge
[AD-A235675] 19 p3167 N91-27513
JOHNSON, R. L.
Responses of women to orthostatic and exercise stresses
[NASA-TP-3043] 11 p1765 N91-19711
JOHNSON, R. WAYNE
Silicon device performance measurements to support temperature range enhancement
[NASA-CR-187904] 10 p1517 N91-18352
JOHNSON, ROBERT M.
MITHRAS studies of the auroral oval and polar cap
[AD-A232975] 16 p2657 N91-24701
JOHNSON, ROBERT R.
Process for the manufacture of seamless metal-clad fiber-reinforced organic matrix composite structures
[NASA-CASE-LAR-13562-2] 17 p2747 N91-25199
JOHNSON, RONALD G.
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532
JOHNSON, ROY
Experimental development, testing and research work in support of the inertial confinement fusion program
[DE91-002771] 06 p0875 N91-14841
JOHNSON, S.
Total dose characterization of new components for the ESA radiation effects database 24 p4000 N91-32362
JOHNSON, S. A.
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
JOHNSON, S. G.
High efficiency resonance ionization mass spectrometric analysis by external laser cavity enhancement techniques
[DE91-007494] 12 p1867 N91-20259
JOHNSON, STEVE
Seed sprout production: Consumables and a foundation for higher plant growth in space 23 p3904 N91-31790
JOHNSON, STEVEN A.
A simple dynamic engine model for use in a real-time aircraft simulation with thrust vectoring
[NASA-TM-4240] 11 p1647 N91-19079
JOHNSON, STEWART W.
Engineering, construction, and operations in space 17 p2755 N91-25247
JOHNSON, SUSAN M.
Multidisciplinary research overview (IHPTET/NPSS) 12 p1841 N91-20119
JOHNSON, T. V.
Triton's global heat budget
[NASA-CR-188178] 14 p2354 N91-23018
JOHNSON, W. A.
Long-term microwave power drift of a cesium frequency standard and its effect on output frequency 17 p2852 N91-25770
JOHNSON, W. C.
The effect of elastic stress on Ostwald ripening phenomena
[DE91-008034] 11 p1722 N91-19484
JOHNSON, W. F.
Global warming: Transportation and energy considerations, 1990
[PB91-118919] 12 p1921 N91-20567
JOHNSON, W. H.
Molten carbonate fuel cell power plant systems studies
[DE90-009697] 02 p0232 N91-11298
Task 1.0, development of improved molten carbonate fuel cell
[DE91-002055] 14 p2281 N91-22618
JOHNSON, W. J. D.
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
JOHNSON, W. JOEL D.
Dual klystron modulator
[DE91-002348] 05 p0653 N91-13626
JOHNSON, W. L.
A high temperature, plasma-assisted chemical vapor deposition system
[DE91-000260] 04 p0506 N91-12809
JOHNSON, W. N.
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
JOHNSON, W. S.
Matrix fatigue crack development in a notched continuous fiber SCS-6/Ti-15-3 composite
[NASA-TM-102751] 07 p0969 N91-15319
Effect of fiber-matrix debonding on notched strength of titanium metal matrix composites
[NASA-TM-104131] 21 p3469 N91-29239
Analysis of thermomechanical fatigue of unidirectional titanium metal matrix composites
[NASA-TM-104105] 23 p3884 N91-31677
JOHNSON, WAYNE
Feasibility investigation of general time-domain unsteady aerodynamics of rotors
[NASA-CR-177570] 06 p0777 N91-14311
Airloads, wakes, and aeroelasticity 10 p1461 N91-18055
Vibration analysis of the SA349/2 helicopter
[NASA-TM-102794] 23 p3781 N91-31078
Aeroelastic loads and stability investigation of a full-scale hingeless rotor
[NASA-TM-103867] 24 p3960 N91-32134
JOHNSTON, ALAN R.
LDEF fiber optic exposure experiment 16 p2723 N91-25080
JOHNSTON, B. S.
The effect of longitudinal spacer ribs on the minimum pressure drop in a heated annulus
[DE91-000784] 05 p0658 N91-13655
JOHNSTON, D. C.
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506
JOHNSTON, H. S.
The atmospheric effects of stratospheric aircraft: A current consensus
[NASA-RP-1251] 08 p1175 N91-16467
JOHNSTON, HAROLD S.
The atmospheric effects of stratospheric aircraft: A topical review
[NASA-RP-1250] 08 p1174 N91-16466
JOHNSTON, J.
Proceedings of the 28th Annual Technical Symposium on Achieving Technical and Management Excellence
[PB91-189134] 22 p3764 N91-30984
JOHNSTON, J. W.
Properties of reactively-deposited SiC and GeC alloys
[DE90-016363] 01 p0129 N91-10766
JOHNSTON, KENNETH J.
Interferometry 24 p4119 N91-33022
JOHNSTON, L. M.
Effect of flange bolt preload on Space Shuttle main engine high pressure oxidizer turbopump housing analysis
[NASA-TM-103536] 16 p2635 N91-24584
JOHNSTON, MARK
Long range science scheduling for the Hubble Space Telescope 14 p2313 N91-22775
JOHNSTON, N.
Visualization using a data flow-based paradigm
[DE91-013851] 20 p3386 N91-28763
JOHNSTON, NORMAN J.
Cost-efficient manufacturing of composite structures 14 p2359 N91-23048
Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] 17 p2747 N91-25200
JOHNSTON, R. G.
Transient thermal analysis for photothermal spectroscopy using Zeeman interferometry
[DE91-009948] 14 p2244 N91-22415
JOHNSTON, RICHARD S.
Space and biotechnology: An industry profile
[NASA-CR-187034] 04 p0550 N91-13051
JOHNSTON, STEPHEN C.
Autonomous navigation of a satellite cluster
[AD-A230683] 12 p1853 N91-20179
JOHNSTONE, A.
The possibility of making fast measurements of ion distribution functions 01 p0072 N91-10438
JOHNSTONE, P. F.
Yacht mast design: Using carbon composites
[BU-507] 14 p2241 N91-22398
JOHS, BLAINE
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737
JOHST, D.
Experiences with components in the DFS-project: Seen from a customer's point of view 24 p4001 N91-32366
JOINER, JOANNA
Millimeter-wave spectra of the Jovian planets
[NASA-CR-188712] 22 p3775 N91-31053
JOINER, R. G.
The Effect of the Ionosphere on Radiowave Signals and Systems Performance Based on Ionospheric Effects Symposium
[AD-A233797] 18 p2974 N91-26416
JOKINEN, ANTERO
Fabrication and properties of powder metallurgically manufactured aluminum products and composites
[VTT-RR-699] 05 p0637 N91-13531
JOKINEN, J.
Creep and creep failure of power plant steels
[VTT-RR-685] 05 p0636 N91-13528
JOLLER, P. W.
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
JOLLY, C. A.
Surface characterization of electrically conducting nickel tetrathiooxalate/poly(vinyl alcohol) composites
[AD-A234598] 18 p2963 N91-26353
JOLLY, CLIFFORD D.
Regenerable biocide delivery unit
[NASA-CASE-MSC-21763-1] 17 p2817 N91-25570
JOLY, VERONIQUE
Theoritical and experimental study of kinetics mechanisms in the Chemical Oxygen-Iodine Laser (COIL)
[ONERA-P-1990-1] 02 p0217 N91-11211
Theoretical and experimental study of kinetics mechanisms in the Chemical Oxygen-Iodine Laser (COIL)
[ESA-TT-1227] 22 p3683 N91-30507
JONAS, PAUL J.
Method for fastening aircraft frame elements to sandwich skin panels covering same using woven fiber connectors
[PATENT-1-274-075] 23 p3788 N91-31126
JONATHAL, D.
Heavy ion measurement on LDEF 16 p2710 N91-24996
JONES, A. D.
A manned maneuvering unit proximity operations planning and flight guidance display and control system 12 p1847 N91-20151
JONES, A. P.
Grain growth, optical polarisation, and extinction in interstellar clouds 06 p0897 N91-14959
JONES, A. T.
The development of SCORPIO as a commercial product
[PNR-90746] 03 p0375 N91-12098
JONES, ANITA K.
A high performance computer architecture for embedded and/or multi-computer applications
[AD-A226478] 04 p0568 N91-13152
JONES, B. G.
Fluvial and lacustrine facies in the middle to late Devonian Pertnjara Group, Amadeus Basin, Northern Territory, and their relationship to tectonic events and climate 19 p3196 N91-27669
JONES, B. H.
Sustaining health and performance in the desert: Environmental medicine guidance for operations in Southwest Asia
[AD-A229643] 12 p1929 N91-20616
JONES, BOBBY A.
A distributed control and monitor system used in laser fusion research
[DE90-013478] 01 p0124 N91-10732
JONES, BRUCE H.
Assessment of body weight standards in male and female Army recruits
[AD-A224586] 03 p0394 N91-12188
JONES, C.
The onset of galactic winds in early-type galaxies 05 p0747 N91-14165
Gas flows in elliptical galaxies 05 p0748 N91-14170

Stripping of gas and dust from the elliptical galaxy M86 05 p0748 N91-14171
Concurrent engineering 20 p3299 N91-28247

JONES, C. M.
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899

JONES, CHIP
Robotics in space-age manufacturing 14 p2358 N91-23045

JONES, CHRISTINE
Status of the profession 24 p4121 N91-33031

JONES, COLIN E.
InAsSbBi, a direct band-gap, III-V, LWIR material 06 p0799 N91-14410

JONES, D. A.
Determining finite volume elements for the 2D Navier-Stokes equations
[DE91-016028] 24 p4016 N91-32452

JONES, D. G.
Flow measurements in turbomachinery using laser anemometry and holography
[PNR-90717] 01 p0044 N91-10261

JONES, D. J.
A summary of transonic natural laminar flow airfoil development at NAE
[AD-A225102] 03 p0301 N91-11679
Application of Euler and Navier-Stokes codes to missile type bodies with high L/D ratios 06 p0773 N91-14286

JONES, D. R.
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785

JONES, DAVE
A machinable oxide ceramic
[AD-D014752] 12 p1876 N91-20311

JONES, DAVID A.
Numerical solution of stiff ordinary differential equations for polymerisation kinetics
[MRL-TR-90-18] 07 p1056 N91-15802
A one-dimensional flux-corrected transport code for detonation calculations
[MRL-RR-2-90] 14 p2261 N91-22510

JONES, DAVID L.
SKITTER foot design
[NASA-CR-184932] 03 p0319 N91-11782

JONES, E.
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195

JONES, E. C.
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788

JONES, E. D.
Nonparabolic conduction bands and masses in strained-single-quantum wells
[DE90-017028] 02 p0277 N91-11560
Photoluminescence studies of In(x)Ga(1-x)As/Al(y)Ga(1-y)As strained-layer structures
[DE90-017031] 02 p0278 N91-11561
Optical characterization of CdZnTe/CdTe strained quantum wells
[DE90-017036] 02 p0278 N91-11563
Light-heavy-hole-mixing-induced selection rules for magneto-luminescence and valence-band energy dispersion in semiconductor quantum wells
[DE90-015989] 02 p0280 N91-11573
Far-infared laser spectroscopy of two dimensional holes in strained-layer heterostructure and superlattices
[DE91-000027] 08 p1235 N91-16805
Ground-state in-plane light-holes in GaAs/AlGaAs structures
[DE91-016408] 23 p3933 N91-31980

JONES, EDWARD J.
MMIC impact on airborne avionic systems 07 p0942 N91-15166

JONES, FRANK A.
Low-temperature plasma technology as part of a closed-loop resource management system 14 p2204 N91-22174

JONES, G. N.
Orthogonal least squares parameter estimation algorithms for nonlinear stochastic systems
[RR-404] 11 p1786 N91-19797

JONES, G. T.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845

JONES, G., II
Photoinduced electron transfer in ordered polymers
[DE91-014512] 20 p3330 N91-28440

JONES, H. D.
A comparison of computerized measurement of helicopter pilot performance with atropine sulfate during actual and simulated flight 08 p1193 N91-16558

JONES, IRBY W.
Linear mass actuator
[NASA-CASE-LAR-14352-1] 24 p4028 N91-32511

JONES, J.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941

JONES, J. A.
The merits of an independent pre-cap inspection 24 p4003 N91-32378

JONES, J. E.
The potential role of nuclear power in controlling CO2 emissions
[DE91-006665] 10 p1545 N91-18502
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486

JONES, J. H.
Space chambers contamination diagnostics and analysis
[AD-A230248] 12 p1851 N91-20174

JONES, J. J.
Aircraft measurements of electrified clouds at Kennedy Space Center, part 3
[NASA-CR-186964] 04 p0548 N91-13039
Aircraft measurements of electrified clouds at Kennedy Space Center
[NASA-CR-186536] 06 p0848 N91-14680
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 1: 1988 flights 06 p0848 N91-14681
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 2: Case study: 4 November 1988 (88309) 06 p0848 N91-14682
Charge control experiments on a CH-53E helicopter in a dusty environment 24 p4050 N91-32625

JONES, J. L.
Fission fragment rocket scientific feasibility assessment
[DE91-010076] 17 p2741 N91-25170

JONES, J. M.
Mineralogical fingerprints for corrosion processes induced
[AD-A229840] 14 p2245 N91-22417

JONES, J. P.
DEMO 89: The initial experiment with the HERMIES-3 robot
[DE90-017765] 11 p1716 N91-19447
Proposal for continued basic research in intelligent machines at the Center for Engineering Systems Advanced Research: Fiscal years 1992-1996
[DE91-012997] 20 p3390 N91-28784

JONES, JACK A.
Flexible thermal apparatus for mounting of thermoelectric cooler
[NASA-CASE-NPO-17806-1-CU] 19 p3146 N91-27385

JONES, JAMES J.
Electrical emissions of airplanes flying in electrified clouds and their effect on airplane measurements of cloud electric fields 24 p4047 N91-32609

JONES, JESSE D.
MLS mathematical model validation study using airborne MLS data from Atlantic City International Airport Boeing 727 elevation shadowing flight tests
[DOT-FAA/CT-TN90/55] 16 p2558 N91-24190

JONES, JOANNE M.
Microbiologically influenced corrosion in copper and nickel seawater piping systems
[AD-A229874] 11 p1685 N91-19287

JONES, K. A.
Chemistry related to semiconductor growth involving organometallics
[AD-A229489] 22 p3758 N91-30947

JONES, K. B.
The role of quality assurance in the monitoring of terrestrial ecosystems
[DE90-010986] 08 p1174 N91-16461

JONES, K. W.
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859
A tunable x ray microprobe using synchrotron radiation
[DE90-011219] 08 p1148 N91-16322
High-energy synchrotron radiation x ray microscopy: Present status and future prospects
[DE91-016894] 24 p4097 N91-32893

JONES, KEITH W.
Gallium as a unique anti-resorptive agent in bone: Preclinical studies on its mechanisms of action
[DE90-010650] 08 p1190 N91-16542

JONES, KENNETH R.
Multiple cell common pressure vessel nickel hydrogen battery 24 p4038 N91-32564

JONES, L. A.
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556

JONES, L. J.
Synthesis and characterization of indium-arsenic compounds containing a four-membered In-Ad-In-As or In-As-In-Cl ring: Crystal structures of ((Me3SiCH2)2 InAs(SiMe3)2)2 and (Me3SiCH2)2 InAs(SiMe3)2 In(CH2SiMe3)2Cl
[AD-A232368] 15 p2518 N91-23956

JONES, LEON L.
Space aging of solid rocket materials 16 p2719 N91-25058

JONES, LINDA E.
The high temperature creep behavior of oxides and oxide fibers
[NASA-CR-187060] 12 p1864 N91-20241

JONES, LISA E.
Determination of the flight hardware configuration of an energy absorbing attenuator for the proposed Space Station crew and equipment translation aid cart
[NASA-TP-3084] 13 p2099 N91-21556

JONES, M.
Determination of spacecraft control system user requirements and effects on development methodologies 14 p2218 N91-22262

JONES, M. E.
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
An interparticle collision model for electromagnetic hybrid simulations of high density plasmas
[DE91-016025] 23 p3929 N91-31958

JONES, M. T.
The Lanczos algorithm for the generalized symmetric eigenproblem on shared-memory architectures
[DE91-006044] 19 p3217 N91-27781

JONES, M. W.
Crew chief CAD system interface guide (version 2 - SI)
[AD-A231433] 14 p2305 N91-22734

JONES, MEDLINDA D.
Improvement in the capacity and safety of lithium/inorganic electrolyte sulfur dioxide rechargeable cells, phase 2
[AD-A235303] 18 p3004 N91-26589

JONES, MICHAEL
Ground systems for handling packet telemetry and commands: A case study, the Eureca mission 14 p2214 N91-22235

JONES, O. C.
Use of electrical impedance imaging in two-phase, gas-liquid flows
[DE91-015914] 21 p3517 N91-29531

JONES, P. D.
Climate system research
[DE91-001779] 07 p1027 N91-15635
Detection of CO2-induced climatic change
[DE91-004595] 07 p1027 N91-15637
Climate research system
[DE91-016903] 24 p4070 N91-32742

JONES, P. M.
ALLY: An operator's associate for satellite ground control systems 12 p1946 N91-20706

JONES, R.
Silicon avalanche photodiode active-quenching circuit
[AD-A233633] 15 p2418 N91-23395

JONES, R. B.
Ice tolerant engine inlet screens for CH113/113A search and rescue helicopters 23 p3792 N91-31149

JONES, R. D.
Prediction and control of chaotic processes using nonlinear adaptive networks
[DE90-016505] 01 p0118 N91-10697
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
Applications of neural networks to process control and modeling
[DE91-007389] 15 p2489 N91-23784
Information theoretic derivation of network architecture and learning algorithms
[DE91-007552] 19 p3217 N91-27782
Using CNLS-NET (connectionist normalized local spline-network) to predict the Mackey-Glass chaotic time series
[DE91-007478] 19 p3257 N91-28016

JONES, R. H.
Proceedings of the Office of Fusion Energy/DOE Workshop on Ceramic Matrix Composites for Structural Applications in Fusion Reactors
[DE91-004497] 07 p0970 N91-15325

Stress corrosion cracking of metal matrix composites: Modeling and experiment
[DE91-004813] 07 p0981 N91-15382
Acoustic emission-fracture strength relations for Al/Gr composites
[DE91-009106] 13 p2045 N91-21251
Analysis of brittle intergranular crack propagation during stress corrosion cracking
[DE91-013666] 20 p3363 N91-28630
JONES, R. L.
A constitutive relationship between crack propagation and specific damping capacity in steel
[AD-A230049] 12 p1913 N91-20521
JONES, R. M.
A framework for data and information
[DE91-012416] 20 p3438 N91-29075
JONES, R. V.
The 1/f noise in irradiated MOS devices
[DE90-007288] 08 p1131 N91-16219
JONES, R. W.
Entropy of random quantum states
[DE91-617585] 16 p2696 N91-24931
JONES, ROBERT A.
The response and failure mechanisms of circular metal and composite plates subjected to underwater shock loading
[AD-A226759] 06 p0838 N91-14631
JONES, ROBERT E.
Techniques and implementation of the embedded rule-based expert system using Ada
14 p2315 N91-22788
JONES, ROBERT E., JR.
Handbook for conducting analysis of the manpower, personnel, and training elements for a MANPRINT assessment
[AD-A235430] 19 p3258 N91-28022
JONES, ROBERT L.
India-stabilized zirconia coating for composites
[AD-D014857] 18 p2941 N91-26224
JONES, ROBERT L., III
ATAMM enhancement and multiprocessor performance evaluation
[NASA-CR-188495] 16 p2672 N91-24788
JONES, ROGER W.
Transient infrared emission spectroscopy
[DE90-017253] 02 p0194 N91-11083
JONES, RUSSELL H.
Interfacial chemistry and structure in ceramic composites
[DE91-005676] 10 p1502 N91-18269
JONES, S.
Preliminary calibration plan for the Advanced Particles and Field Observatory (APAFO) magnetometer experiment
[NASA-TM-104545] 22 p3630 N91-30200
JONES, S. C.
Cooling system and insulation concept for a Mach 5 turbo-ramjet aircraft 16 p2577 N91-24286
JONES, S. E.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923
JONES, SCOTT M.
Computer code for single-point thermodynamic analysis of hydrogen/oxygen expander-cycle rocket engines
[NASA-TM-4275] 12 p1858 N91-20206
JONES, STEPHEN B.
A synchronous strobed laser light sheet for rotor flow visualization
[NASA-TM-4266] 14 p2267 N91-22540
Synchronous strobe apparatus for flow visualization
[NASA-CASE-LAR-14556-1] 17 p2781 N91-25392
JONES, STEPHEN R.
Topex high-gain antenna system deployment actuator mechanism 16 p2641 N91-24618
JONES, STEVEN A.
MOCVD of TlBaCaCuO on MgO using fluorinated beta-diketonate source reagents
[AD-A236594] 19 p3255 N91-28008
JONES, T. E.
Level of dietary fat does not affect fuel oxidation or endurance exercise performance of soldiers
[AD-A235194] 18 p3030 N91-26728
JONES, T. V.
Detailed heat transfer measurements in nozzle guide vane passages in linear and annular cascades in the presence of secondary flows
[PNR-90706] 01 p0044 N91-10260
Pitot measurements in the exhaust of a cluster of four small scale supersonic nozzles
[OUEL-1862/90] 11 p1644 N91-19070
Pitot surveys of two moderately under-expanded jets
15 p2380 N91-23172
JONES, TERRY JAY
Infrared polarimetry and the magnetic field in external galaxies 05 p0753 N91-14192
JONES, THOMAS P.
Development, characterization, and applications of optical pH sensors supported at cellulosic film
[DE90-016416] 01 p0025 N91-10146
JONES, TUDOR B.
The physics of ground based heating
10 p1546 N91-18507
Observations of the anomalous absorption of diagnostic radio waves during ionospheric modification at Arecibo
10 p1547 N91-18513
Enhanced fading rates produced during ionospheric modification 10 p1548 N91-18519
Studies of plasma irregularities and convection in the polar ionosphere using HILAT, SABRE and EISCAT
[AD-A232983] 16 p2657 N91-24702
JONES, W. D.
Transition metal activation and functionalization of carbon-hydrogen bonds
[DE91-014261] 20 p3312 N91-28332
JONES, W. P.
Computational modelling of dump combustors flowfield 13 p2017 N91-21096
JONES, W. R.
Description, characteristics and testing of the NASA airborne radar 16 p2554 N91-24156
JONES, W. VERNON
Cosmic ray positron research and silicon track detector development
[NASA-CR-187708] 19 p3265 N91-28059
JONES, WILLIAM A., JR.
An evaluation of voice stress analysis techniques in a simulated AWACS environment
[AD-A228727] 09 p1323 N91-17265
JONES, WILLIAM D.
Airborne coherent continuous wave CO2 Doppler lidars for aerosol backscatter measurement
17 p2798 N91-25480
Airborne CW lidar measurements of atmospheric backscatter at 9.1 and 10.6 microns
24 p4059 N91-32677
JONES, WILLIAM R.
Airborne Doppler radar detection of low altitude windshear 03 p0303 N91-11689
JONES, WILLIAM R., JR.
Parched elastohydrodynamic lubrication: Instrumentation and procedure
[NASA-TM-104426] 22 p3676 N91-30469
JONG, R. A.
Reduction of energy sweep of the ETA-2 beam
[DE91-013824] 20 p3352 N91-28568
JONGEJAN, JAN H.
Specification of peephole optimisation
[CS-9011] 14 p2309 N91-22759
JONGEJANS, A.
Aeronautical mobile satellite services ESA-PRODAT/SITA AIRCOM service trials programme
24 p3956 N91-32106
JONGEN, H. T.
Semi-infinite optimization: Structure and stability of the feasible stability
[MEMO-838] 04 p0574 N91-13191
JONGEWAARD, E.
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592
JONGEWARD, GARY A.
The environment power system analysis tool development program 09 p1405 N91-17734
Polar code validation
[AD-A230138] 12 p1854 N91-20186
The environment workbench: A design tool for Space Station Freedom 12 p1950 N91-20727
JONGLEUX, R. F.
Urban air toxic monitoring program Aldehyde results, 1989
[PB91-148288] 17 p2806 N91-25514
JONHSON, M.
Silicon avalanche photodiode active-quenching circuit
[AD-A233633] 15 p2418 N91-23395
JONKER, BEREND T.
Growth, characterization and properties of ultrathin magnetic films and multilayers, volume 151
[AD-A229586] 22 p3758 N91-30950
JONKER, C. M.
Tools for the rectilinear Steiner tree problem
[RUU-CS-90-8] 04 p0566 N91-13141
JONKER, R. J.
Safety analysis in test facility design
07 p0951 N91-15224
JONKER, WILLEM
Modules in LORE: Notes on the implementation
[REPT-90-64] 10 p1574 N91-18657
JONSSON, BENGT
Refining interfaces of communicating systems
[MEMO-INF-91-19] 23 p3855 N91-31493
JONSSON, J.
On the K-X and M-X band systems of ThO
[USIP-91-01] 22 p3753 N91-30922
JOO, JUNG HOON
EXAFS study of sputtered Co/Al multilayers by electron detection: Structural difference due to deposition condition
[DE91-014787] 22 p3650 N91-30313
Electron-yield EXAFS studies of Tb/FeCo and Tb/Fe multilayers
[DE91-014786] 22 p3760 N91-30960
JOO, L. A.
Long-term testing and evaluation of cathode components in a commercial aluminum cell, volume 1
[DE90-010896] 21 p3502 N91-29436
JOOP, O.
The slow-rotating centrifuge microscope (NIZEMI): A new research tool for terrestrial and space-related gravitational biology 11 p1757 N91-19663
JOOS, L. FORTUNAT
The ocean's role in the global carbon cycle
[DE91-005985] 10 p1542 N91-18487
JOOSTEN, S.
A network database: A case study in functional programming 23 p3916 N91-31867
JOOSTEN, STEF
A case study in transformational programming: The design of a rank order filter
[MEMO-INF-90-18] 03 p0406 N91-12261
JOOSTEN, STEPHANUS MARIA MATHIAS
The use of functional programming in software development
[ISBN-90-9002729-7] 03 p0402 N91-12236
JORAAS, P.
Variability and velocity fields in the alpha Ori atmosphere 09 p1440 N91-17935
JORASCH, RONALD E.
Data distribution satellite
[NASA-CR-187066] 09 p1323 N91-17266
JORDAN, ARTHUR K.
Optical communication system having a wide-core single-mode planar waveguide
[AD-D014927] 22 p3755 N91-30930
JORDAN, C.
On the disappearance of O I in some high-luminosity cool stars 09 p1436 N91-17911
JORDAN, D. L.
Models for surface scattering from solids and liquids
[RSRE-MEMO-3699] 08 p1126 N91-16192
Forward optical scattering from very rough surfaces near grazing incidence
[AD-A233527] 16 p2688 N91-24881
JORDAN, D. T.
Lightning induced currents in aircraft wiring using low level injection techniques 24 p4062 N91-32694
JORDAN, DONALD J.
Model tests of inflatable life rafts in breaking waves
[AD-A229406] 22 p3615 N91-30109
JORDAN, FRANK L., JR.
Full-scale semispan tests of a business-jet wing with a natural laminar flow airfoil
[NASA-TP-3133] 22 p3613 N91-30098
JORDAN, H. E.
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
JORDAN, HARRY F.
Shared versus distributed memory multiprocessors
[NASA-CR-187501] 10 p1567 N91-18613
Problems in characterizing barrier performance
[NASA-CR-187930] 10 p1569 N91-18631
Digital optical computers at the optoelectronic computing systems center
[NASA-CR-187520] 11 p1697 N91-19345
The FORCE: A highly portable parallel programming language
[NASA-CR-187928] 11 p1775 N91-19732
JORDAN, J.
Calibration transfer target for a microwave radiometric profiling system
[PB91-129080] 13 p2116 N91-21647
JORDAN, JOHN F.
High-efficiency large-area CdTe panels
[DE91-002117] 08 p1170 N91-16443
JORDAN, K. G.
Levelling of microprofiles in electrodeposition
[DE91-009083] 13 p2053 N91-21297
JORDAN, KELVIN
An evaluation of the interfacial bond properties between carbon phenolic and glass phenolic composites
19 p3276 N91-28123
JORDAN, S.
International energy: Research organizations, 1986 - 1990
[DE91-006224] 16 p2652 N91-24677

JORDAN, THOMAS D.
User's guide: Computer program for two-dimensional analysis of U-frame or W-frame structures (CWFRAM)
[AD-A229059] 09 p1385 N91-17619
JORDAN, THOMAS H.
Plate motions and deformations from geologic and geodetic data
[NASA-CR-187379] 06 p0846 N91-14672
JORDON, K. G.
Computer programs for simulation of electrodeposition
[DE91-010203] 15 p2483 N91-23741
JORDON, KYM
Nonradiative dielectric waveguide millimetre-wave integrated circuits: A review
[AD-A227760] 08 p1134 N91-16238
JORGE, D.
Regional oxidant model user's guide. Part 3: The core model
[PB91-171942-PT-3] 19 p3188 N91-27627
JORGENSEN, CHARLES C.
Development of a sensor coordinated kinematic model for neural network controller training
[NASA-CR-188864] 24 p4081 N91-32799
Distributed memory approaches for robotic neural controllers
[NASA-CR-188865] 24 p4091 N91-32859
JORGENSEN, ELDON N.
Sheave assembly
[AD-D014605] 05 p0668 N91-13711
JORGENSEN, ERIC L.
Proposed draft military handbook presenting requirements for an Electronic Display System (EDS) for Interactive Electronic Technical Manuals (IETMs)
[AD-A227471] 11 p1696 N91-19342
JORGENSEN, G.
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649
Ultraviolet reflector materials for solar detoxification of hazardous waste
[DE91-002196] 21 p3539 N91-29663
JORGENSEN, H. E.
A spiral-like disk of ionized gas in IC 1459: Signature of a merging collision 08 p1251 N91-16889
JORGENSEN, J. D.
Excess oxygen defects in layered cuprates
[DE90-017669] 02 p0278 N91-11565
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Defects, oxygen ordering and properties of La-Cu-O and Ba-Bi-O superconductors
[DE91-008811] 12 p1992 N91-20967
Ruddlesden-Popper phases A(n+1)M(n)O(3n+1): Structures and properties
[DE91-011748] 21 p3591 N91-29973
JORGENSON, PHILIP C. E.
An unconditionally stable Runge-Kutta method for unsteady rotor-stator interaction
16 p2587 N91-24337
JORNA, P. G. A. M.
Simulator flight as a selection device: Effects of test anxiety on subjective and objective measures of performance
[IZF-1989-57] 05 p0626 N91-13468
Time-sharing performance as a factor for success in flight training: Test development and validation
[IZF-1989-58] 05 p0695 N91-13872
JORSTAD, NORMAN D.
Technology transfer in a changing national security environment
[AD-A232458] 15 p2526 N91-24000
Digital SPC switching technology: Foreign technology assessment
[AD-A237258] 21 p3504 N91-29449
JORTNER, J.
Load-balancing and performance of a gridless particle simulation on MIMD, SIMD, and vector supercomputers
[DE91-013758] 20 p3385 N91-28756
JORY, H.
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592
JORY, H. R.
Development of a tactical high-power microwave source using the Plasma Electron Microwave Source (PEMS) concept
[AD-A234967] 18 p3067 N91-26942
JOSAFATSSON, KARL
The origin of micrograins 06 p0905 N91-15000
JOSEFOWICZ, J. Y.
An experimental study of high Tc superconducting microstrip transmission lines at 35 GHz and the effect of film morphology
[NASA-TM-103633] 03 p0356 N91-11988
JOSEFSON, CARL
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
JOSEFSON, CARL E.
Evaluation of ferroelectric materials for memory applications
[AD-A232112] 15 p2480 N91-23728
JOSEPH, BEVERLY
Manipulating cyanobacteria: Spirulina for potential CELSS diet 19 p3267 N91-28070
JOSEPH, CHARLES L.
Empirical relationships between gas abundances and UV selective extinction 05 p0737 N91-14116
Grain mantles: The impact on grain evolution and selective extinction 06 p0897 N91-14960
M.S.L.A.P. Modular Spectral Line Analysis Program documentation
[NASA-CR-188713] 22 p3726 N91-30738
JOSEPH, HASKEL M.
Design, development, and qualification of special super N-channel MOSFET die for space applications
24 p3991 N91-32297
JOSEPH, P.
Power output minimisation and power absorption in the active control of sound
[ISVR-TR-191] 22 p3751 N91-30911
JOSEPH, R. D.
Infrared images of merging galaxies
08 p1254 N91-16904
JOSEPH, ROBERT A.
High-altitude non-equilibrium infrared emission models
[AD-A232503] 15 p2465 N91-23659
JOSHI, A.
High temperature interactions of metallic matrices with ceramic reinforcements
[AD-A232967] 16 p2601 N91-24411
JOSHI, A. U.
Alopex optimization algorithm
[AD-A228442] 08 p1203 N91-16615
JOSHI, C.
Continuing studies of the plasma beat wave accelerator
[DE91-013641] 20 p3422 N91-28976
JOSHI, CHAN
Studies of degenerate and nearly degenerate four wave mixing of laser radiation in plasmas
[DE91-006682] 10 p1529 N91-18420
JOSHI, PRAKASH B.
Propulsion simulation for magnetically suspended wind tunnel models
[NASA-CR-182093] 02 p0182 N91-11027
Propulsion simulator for magnetically-suspended wind tunnel models 13 p2036 N91-21198
JOSHI, SURESH M.
An integrated control/structure design method using multi-objective optimization 14 p2228 N91-22322
JOSLIN, R. D.
The effect of compliant walls on three-dimensional primary and secondary instabilities in boundary layer transition
[AD-A233150] 16 p2625 N91-24536
JOSLIN, RONALD DOUGLAS
The effect of compliant walls on three-dimensional primary and secondary instabilities in boundary layer transition 16 p2622 N91-24520
JOSSE, M.
Low altitude ejection release (total mass between 1,660 and 5,600 kg)
[REPT-90/05] 23 p3852 N91-31475
JOST, G. S.
A review of Australian and New Zealand investigations on aeronautical fatigue during the period April 1989 to March 1991
[AD-A236016] 19 p3104 N91-27152
JOSTLEIN, H.
Calculation of pressure distribution in vacuum systems using a commercial finite element program
[DE91-013611] 20 p3363 N91-28629
JOTAKI, E.
Transport phenomena in ultra-long discharge
10 p1600 N91-18826
JOU, CHENGFONG JOSEPH
A correlation between T(sub 3) and electronegativity difference in high-temperature superconductors
[DE90-016640] 01 p0131 N91-10775
JOU, W. H.
Study of asymmetric supersonic jet flow for ejectors
[DE90-015598] 02 p0158 N91-10917
JOUNY, I.
Bispectral analysis of radar signals with application to target classification
[AD-A229388] 22 p3657 N91-30356
JOURDAINDEMUIZON, M.
First detection of C3H2 at sub-mm wavelengths
13 p2177 N91-22022
JOVANOVIC, D.
Stability of drift-wave modons in the presence of temperature gradients
[DE91-014364] 20 p3422 N91-28982
JOW, T. R.
A calorimetric investigation of deuterated palladium electrodes
[AD-A237571] 21 p3505 N91-29456
JOY, MARSHALL
An infrared jet in Centaurus A (NGC 5128): Evidence for interaction between the active nucleus and the interstellar medium 05 p0749 N91-14175
A near infrared spectroscopic study of the interstellar gas in the starburst core of M82
05 p0759 N91-14221
JOYCE, G.
Overview of beam conditioning
[AD-A226404] 04 p0581 N91-13236
Frequency upshifting of laser pulses by ionization fronts
[AD-A234354] 18 p2989 N91-26503
JOYCE, GLENN
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
Vlasov simulations of very-large-amplitude wave generation in the plasma wakefield accelerator
[AD-A237428] 21 p3588 N91-29961
JOYCE, J. J.
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds
[DE91-016239] 24 p4095 N91-32878
JOYCE, JAMES B.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32
09 p1288 N91-17081
JOYCE, R.
Infrared spectroscopy of comets
12 p2004 N91-21026
JOYCE, S. A.
Adhesion at ceramic interfaces
[DE91-001660] 06 p0811 N91-14480
Interfacial force sensor with force-feedback control
[DE91-004897] 18 p2988 N91-26495
JOYNER, WHITMEL M.
Compilation of air pollutant emission factor. Volume 1, supplement C: Stationary point and area sources, fourth edition
[PB91-125906] 13 p2112 N91-21630
JOZEFOWICZ, M. E.
X ray structure of polyanilines
[AD-A233848] 18 p2959 N91-26332
JOZWIAK, LECH
Decompositional state assignment with reuse of standard designs: Using counters as sub-machines and using the method of maximal adjacencies to select the state chains and the state codes
[EUT-90-E-247] 22 p3742 N91-30851
JU, GAU
The JCM with initial number-phase minimum uncertainty state field
[DE91-617584] 16 p2683 N91-24858
JU, J. W.
Dynamic rate dependent elastoplastic damage modeling of concrete subject to blast loading: Formulation and computational aspects
[AD-A229964] 12 p1913 N91-20520
JU, JIANN-WEN
Damage mechanics of composite materials: Constitutive modeling and computational algorithms
[AD-A236696] 19 p3120 N91-27239
JUANG, J. N.
Dissipative controller designs for second-order dynamic systems
[NASA-CR-187452] 05 p0706 N91-13935
JUANG, JENG-NAN
Radiometer system requirements for microwave remote sensing from satellites 04 p0595 N91-13322
JUANG, JER-NAN
A velocity command stepper motor for CSI application
[NASA-TM-102765] 10 p1536 N91-18456
Passive dynamic controllers for nonlinear mechanical systems
[NASA-TM-104047] 13 p2103 N91-21573
Comparison of several system identification methods for flexible structures
[NASA-TM-104046] 13 p2103 N91-21574

Identification of linear multivariable systems from a single set of data by identification of observers with assigned real eigenvalues
[NASA-TM-102669] 13 p2103 N91-21575
Active vibration absorber for CSI evolutionary model: Design and experimental results
[NASA-TM-104048] 13 p2104 N91-21578
Identification of observer/Kalman filter Markov parameters: Theory and experiments
[NASA-TM-104069] 17 p2790 N91-25437
Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] 20 p3289 N91-28184
Noncircular rolling joints for vibrational reduction in slewing maneuvers
[NASA-CASE-LAR-14515-1-CU] 20 p3354 N91-28580

JUDAY, RICHARD D.
Two dimensional vernier
[NASA-CASE-MSC-21700-1] 15 p2430 N91-23462
Programmable remapper for image processing
[NASA-CASE-MSC-21350-1] 15 p2480 N91-23724
Optical joint correlator for real-time image tracking and retinal surgery
[NASA-CASE-MSC-21509-1] 17 p2864 N91-25840
Three dimensional moire pattern alignment
[NASA-CASE-MSC-21416-1] 24 p4102 N91-32922

JUDD, D.
AI techniques for a space application scheduling problem 14 p2313 N91-22776

JUDGE, P.
On the disappearance of O I in some high-luminosity cool stars 09 p1436 N91-17911

JUDISH, J. P.
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191

JUDKINS, R. R.
Proceedings of the 4th Annual Conference on Fossil Energy Materials
[DE91-001158] 04 p0505 N91-12805
The dilemma of fossil fuel use and global climate change
[DE91-007859] 11 p1733 N91-19533

JUDSON, E. A.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758

JUE, SUEY
System and method for automatically fabricating multiple memory holographic elements
[PATENT-1-253-724] 23 p3872 N91-31600

JUEDES, D.
Exploiting parallelism in automatic differentiation
[DE91-011841] 17 p2839 N91-25692

JUEDES, DAVID
Implementing automatic differentiation efficiently
[DE91-002409] 05 p0702 N91-13913

JUERGENSEN, H.
Submicron gate InP power MISFET's with improved output power density at 18 and 20 GHz 18 p2977 N91-26436

JUGAN, L. A.
Environmental conditions in the Gulf of Mexico during November-December
[AD-A229384] 22 p3708 N91-30638

JUHAS, JOHN J.
Process for HIP canning of composites
[NASA-CASE-LEW-14990-1-CU] 09 p1302 N91-17145

JUHASZ, ALBERT J.
Design considerations for space radiators based on the liquid sheet (LSR) concept
[NASA-TM-105158] 19 p3115 N91-27213

JUILLEN, J. C.
Boundary layer transition detection and measurement methods at CERT/DERAT
[AAAF-NT-89-14] 23 p3785 N91-31105

JULIAN, WILLIAM H.
Models of the spin state of the comet Halley nucleus 12 p2007 N91-21046

JULICHER, MARK
C-130 rear vision device (bubble) 10 p1466 N91-18084

JULIENNE, ALAIN
J-85 jet engine noise measured in the ONERA S1 wind tunnel and extrapolated to far field
[NASA-TP-3053] 11 p1790 N91-19823

JULIN, PENG
Ferroelectric and ferroelastic domain structures in piezoelectric ceramics
[DE91-618676] 16 p2607 N91-24449

JULISCH, P.
Load-bearing capacity of large pipes with circumferential defects under tensile stress: Comparison of experiments with calculated estimates
[BLL-OA-TRANS-4233-(6196.3)] 18 p2998 N91-26557

JULL, A. J. T.
The interactions of atmospheric cosmogenic radionuclides with spacecraft surfaces 16 p2707 N91-24982

JULLIEN-DETTMAR, MARLIES
Observations of extended and counterrotating disks of ionized gas in S0 galaxies 05 p0752 N91-14187

JUN-YONG, VAN
An application of quantum theory to neural network 17 p2842 N91-25707

JUN, CHUL-WON
Coefficients of the second viscosity in thin liquid-helium films
[AD-A225237] 03 p0339 N91-11899

JUN, LINDA O.
A study of the portability of an Ada system in the software engineering laboratory (SEL)
[NASA-TM-103413] 07 p1051 N91-15771

JUNG-HEILIGER, HILDEGARD
Plant biotechnology in space: Facts and speculations 11 p1757 N91-19664

JUNG, CH.
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990

JUNG, CHRISTIAN
High resolution reflection spectroscopy at the three dimensional states of the Zn ions in Zn(1-x)Mn(x)S and Zn(1-x)Mn(x)Te
[ETN-90-98180] 04 p0503 N91-12794

JUNG, D.
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582

JUNG, J. A.
Federal-state cooperative program in atmospheric modification research, 1988
[PB91-141937] 17 p2812 N91-25541

JUNG, JOSEPH
An adaptive finite element technique using element equilibrium and paving
[DE90-015829] 02 p0254 N91-11410
Finite element error estimation and adaptivity based on projected stresses
[DE91-000483] 04 p0571 N91-13172

JUNGA, FRANK A.
Infrared focal plane performance in the South Atlantic anomaly
[NASA-CR-186197] 15 p2430 N91-23458

JUNGBAUER, DIETMAR
The effect of the molecular structure of polymer and low molecular liquid crystals on their electro-optical characteristics at the nematic-isotropic phase transition
[ETN-91-98170] 05 p0642 N91-13564

JUNGBLUTH, WERNER
On the technology for preparation of a HeNe discharge tube for use in a laser gyro
[ESA-TT-1222] 22 p3680 N91-30493

JUNGE, MARIA
Workstations and gloveboxes for space station 07 p1080 N91-15941

JUNGHANS, BARBARA J.
Analyses of a coproduction acquisition strategy for the Light Helicopter program (LH)
[AD-A226109] 04 p0463 N91-12588

JUNGST, R. G.
Modeling laser ignition of explosives and pyrotechnics: Effects and characterization of radiative transfer
[DE90-011052] 08 p1121 N91-16161
Development of diode laser-ignited pyrotechnic and explosive components
[DE90-011238] 09 p1319 N91-17245
Diode laser ignition of explosive and pyrotechnic components
[DE90-012227] 21 p3521 N91-29553

JUNIPER, MICHAEL D.
The design of a real-time adaptive filter development system
[AD-A237134] 21 p3504 N91-29448

JUNK, P.
Does gravity play a role in the morphological development and function of the gravity sensory organ of vertebrates. DLR contribution to the D-2 project graviperception and neuronal plasticity, its technical realization and experimental execution 11 p1752 N91-19635

JUNKINS, J. L.
Novel dynamics and controls analysis methods for nonlinear structural systems
[AD-A229164] 09 p1285 N91-17064

JUNKINS, JOHN L.
Analytical and experimental research on large angle maneuvers of flexible structures
[AD-A226679] 05 p0628 N91-13479

JUNKKARINEN, VESA T.
Detection of a z=0.0515, 0.0522 absorption system in the QSO S4 0248+430 due to an intervening galaxy 05 p0761 N91-14228

JUPINA, M. A.
Electron spin resonance and radiation effects in MOS devices
[AD-A228651] 09 p1410 N91-17760

JURANEK, H. J.
Assessment of the reliability of windows of vacuum vessels 07 p0952 N91-15233

JURAS, R. C.
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899

JUREWICZ, AMY J.
Experimental reduction of simulated lunar glass by carbon and hydrogen and implications for lunar base oxygen production 11 p1822 N91-20009

JURGENS, T.
Conformal FDTD modeling wake fields
[DE91-015129] 21 p3498 N91-29407
Visualization of wake fields
[DE91-015130] 21 p3498 N91-29408

JURGENS, T. G.
Numerical modeling of time domain 3-D problems in accelerator physics
[DE90-015625] 02 p0269 N91-11511

JURKEVICS, ANDREW
NEONS environmental database: Recent developments
[AD-A236477] 19 p3184 N91-27607

JURNS, J.
LN2 spray droplet size measurement via ensemble diffraction technique
[NASA-TM-104443] 16 p2614 N91-24470

JUSTICE, A. D., III
SHOWTIME.C: A C-language program for data acquisition and display user's guide
[DE91-016241] 23 p3908 N91-31817

JUSTUS, C. G.
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 1: Technical/users manual
[NASA-TM-4268-PT-1] 18 p3016 N91-26654
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 2: Program/data listings
[NASA-TM-4268-PT-2] 19 p3202 N91-27697
Additions to Mars Global Reference Atmospheric Model (Mars-GRAM)
[NASA-CR-188924] 24 p4123 N91-33045

K

KABA, L.
Electrochemical incineration of wastes
[NASA-CR-186317] 03 p0387 N91-12156

KABACOFF, LAWRENCE T.
Laser communication system with wide band magnetostrictive modulation
[AD-D014878] 19 p3171 N91-27531

KABALKA, G. W.
Boron in nuclear medicine: New synthetic approaches to PET, SPECT, and BNCT agents
[DE91-016488] 23 p3899 N91-31764

KABAMBA, PIERRE
Combined design of structures and controllers for optimal maneuverability 01 p0053 N91-10314

KABE, ALVAR M.
Multi-mode random response analysis procedure
[AD-A230457] 12 p1914 N91-20527

KABITSKIY, YE. N.
Functional activity of hypophyseal-thyroid system during 370-day antiorthostatic hypokinesia 18 p3023 N91-26691

KACHANOV, B. O.
Constructing mathematical model of adaptive anti-flutter system 11 p1788 N91-19810

KACHELMYER, A. L.
Optimal Walsh modulations in the presence of Doppler
[AD-A233723] 18 p2973 N91-26411

KACHKACHI, M.
The (2,0) super Beltrami parametrization and superconformal structures
[DE91-617611] 20 p3435 N91-29057

KACKLEY, N.
Oxygen electrodes for rechargeable alkaline fuel cells, 3 24 p4038 N91-32561
KACKLEY, N. D.
Improved anode catalysts for coal gas-fueled phosphoric acid fuel cells
[DE90-009683] 08 p1170 N91-16442
KACPURA, THOMAS J.
An EMTP system level model of the PMAD DC test bed
[NASA-TM-104515] 19 p3114 N91-27206
KACYNSKI, KENNETH J.
A three-dimensional turbulent heat transfer analysis for advanced tubular rocket thrust chambers
[NASA-TM-103293] 01 p0042 N91-10249
A three-dimensional turbulent heat transfer analysis for advanced tubular rocket thrust chambers
16 p2573 N91-24258
A dual-cooled hydrogen-oxygen rocket engine heat transfer analysis
[NASA-TM-104430] 16 p2580 N91-24302
KADAMBI, JAIKRISHNAN R.
The effect of steady aerodynamic loading on the flutter stability of turbomachinery blading
[NASA-CR-187055] 11 p1722 N91-19479
KADIRI, M.
Calculations for structures with nonlinear joints
[CETIM-108830] 05 p0679 N91-13776
KADOYU, M.
Technical assessment and economic study of compressed air energy storage in Japan
[DE91-701405] 02 p0231 N91-11292
KADTKE, JAMES
Investigations of equilibria, lattices, and chaotic dynamics of 2-D Hamiltonian point vortices
[AD-A227364] 06 p0827 N91-14570
KAEGI, EMIL M.
Pressure distribution and induced force field on a conical nozzle due to impingement of a normal jet into the supersonic cross-flow
[AD-A233981] 18 p2921 N91-26115
KAEHLER, H.
Small Engine Component Technology (SECT) study. Program report
[NASA-CR-175077] 16 p2561 N91-24204
KAELBLE, A.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
KAELBLING, LESLIE P.
The synthesis of intelligent real-time systems
[AD-A230751] 12 p1967 N91-20826
KAELLDAHL, A.
Automatic treatment of flight test images using modern tools: SAAB and Aeritalia joint approach
[ETN-91-99773] 22 p3680 N91-30492
KAEMPF, GEORGE L.
Transfer-of-training study of emergency touchdown maneuvers in the AH-1 flight and weapons simulator
[AD-A226360] 04 p0487 N91-12709
KAEPPLER, W. D.
The development of steering controllability test procedures for light- and medium-weighted trucks. Phase 3: Closed- and open-loop experiments with nine medium-weighted truck configurations
[IZF-1990-A-44-PHASE-3] 22 p3689 N91-30541
KAFUROV, A. O.
Effect of aminazine on functional state of cardiovascular system during hyperthermia 19 p3211 N91-27750
KAGA, SEIICHI
Effects of neutron irradiation on low temperature strength of aluminum alloys and their electron beam welded joints
[DE91-744817] 12 p1869 N91-20267
KAGEYAMA, A.
Computer simulation of solar wind-magnetosphere interaction 20 p3410 N91-28904
A global simulation of the magnetosphere with a long tail: Southward and northward IMF
[NIFS-99] 24 p4043 N91-32592
KAHAN, DANIELLE
The evolution of regional air traffic
03 p0308 N91-11721
KAHL, W. K.
Interpretation of engine cycle-to-cycle variation by chaotic time series analysis
[DE91-000729] 05 p0709 N91-13955
KAHN, JON
Pressure vessel flex joint
[NASA-CASE-MSC-21748-1] 17 p2785 N91-25415
KAHN, JON B.
Load limiting, energy absorbing, lightweight debris catcher
[NASA-CASE-MSC-21562-1] 16 p2564 N91-24216
KAHN, LARRY
The Assistant for Specifying the Quality Software (ASQS). Volume 1: Operational concept document
[AD-A227893] 08 p1202 N91-16608
The Assistant for Specifying the Quality Software (ASQS). Volume 2: User's manual. Volume 2
[AD-A227894] 08 p1202 N91-16609
KAHN, RALPH
Hubble Space Telescope observations of Mars
11 p1821 N91-20003
KAHNIASHVILI, T. A.
Pregalactic inhomogeneity in hot dark matter model of the universe 06 p0922 N91-15100
KAHRAMAN, AHMET
Non-linear dynamic analysis of geared systems
[NASA-CR-4338] 05 p0672 N91-13737
KAHYA, GOKSEL
New modified Anderson-Darling and Cramer-von Mises goodness-of-fit tests for a normal distribution with specified parameters
[AD-A238630] 21 p3569 N91-29846
KAIDEN, TAKASHI
Aerodynamic design of non-planar wing by inverse method with Navier-Stokes equation
24 p3945 N91-32045
KAIDEN, TAKESHI
Comparison with computation using panel method and wind tunnel test around transonic complete aircraft
04 p0466 N91-12612
KAIFU, NORIO
The University of Tokyo-Norbeyama Radio Observatory submillimeter survey telescope
13 p2181 N91-22051
KAIGORODOV, A. P.
Influence of the parameter distribution of the solar wind near the Sun upon its structure at the Earth's orbit
06 p0924 N91-15108
KAIJSER, L.
Effects of training with reduced perfusion pressure on performance and muscle fiber characteristics
11 p1748 N91-19615
KAIJSER, THOMAS
A Monte Carlo simulation model of airborne hydrographic laser systems
[PB91-110999] 09 p1342 N91-17370
KAILATH, THOMAS
Algorithms and architectures for high speed signal processing
[AD-A226203] 04 p0564 N91-13128
Studies in statistical signal processing
[AD-A226825] 06 p0818 N91-14518
KAILEY, J. B.
Programming languages and database language SQL. Validated processor list including GOSIP conformance testing registers
[PB91-187716] 19 p3231 N91-27864
KAIMAL, J. C.
The international sodar intercomparison experiment
[PB90-246224] 01 p0069 N91-10416
KAIPER, G. V.
Energy sciences supercomputing 1990
[DE91-007188] 11 p1776 N91-19740
KAISER, D. P.
Historical sunshine and cloud data in the United States
[DE91-016825] 24 p4070 N91-32741
KAISER, J. H.
Defect dependence of positron lifetimes in oxide superconductors
[DE91-006714] 10 p1608 N91-18876
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
KAISER, MARY K.
Observer properties for understanding dynamical displays: Capacities, limitations, and defaults
[NASA-TM-102812] 19 p3214 N91-27764
KAISER, W. J.
A novel electron tunneling infrared detector
06 p0795 N91-14391
Electron tunnel sensor technology
14 p2362 N91-23067
KAISIG, M.
Propagation of magnetoacoustic waves in the solar atmosphere with random inhomogeneities of density and magnetic fields
[DE90-017616] 01 p0141 N91-10831
Nonlinear magnetosonic waves in an inhomogeneous plasma 06 p0924 N91-15110
KAJI, SHOJIRO
Numerical analysis of flow in a scramjet engine
04 p0453 N91-12528
KAJITA, SHINSAKU
Finite beta equilibrium for a pressure configuration
20 p3411 N91-28909
KAKAD, YOGENDRA P.
A model for the three-dimensional spacecraft control laboratory experiment 14 p2232 N91-22351
KAKU, KAZUYA
Application of knowledge-based system to spacecraft monitoring 14 p2216 N91-22250
KAKUEVA, E. ILYINA
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702
KAKWANI, R. M.
Feasibility study of a 6V-92TA Homogeneous Auto-Ignited Two-Stroke (HAT) compressed natural gas engine
[PB91-106278] 09 p1345 N91-17389
KALADI, VASUDEVAN MUNDAKIZHI
Unsteady compressible lifting surface analysis for rotary wings using velocity potential modes
21 p3456 N91-29170
KALAFUT, JOHN
Evaluation of PVDF piezopolymer for use as a shock gauge
[AD-A225955] 04 p0527 N91-12918
KALAGNANAM, JAYANT
The mathematical bases for qualitative reasoning
[AD-A225718] 04 p0572 N91-13178
KALANDAROV, S.
Feeding the Salyut-7 crews 22 p3714 N91-30671
Feeding the Salyut-7 crews 22 p3716 N91-30685
KALAU, W.
BRST cohomology and BRST gauge fixing
[NIKHEF-H/91-04] 14 p2337 N91-22923
KALB, MICHAEL
Observation simulation experiments with regional prediction models 08 p1181 N91-16502
KALBERMANN, G.
Supersymmetric matter at finite temperature
15 p2498 N91-23836
KALBITZER, S.
Preparation of crystalline SiC thin films by PECVD and by ion beam modification of silicon
[MBB-Z-0349-90-PUB] 22 p3761 N91-30964
KALCIC, M. T.
Multispectral imagery support for ocean venture 90
[AD-A227119] 06 p0851 N91-14697
KALCIC, MARIA T.
Comparison of thematic mapper and NOARL scanner multispectral bathymetry estimates
[AD-A226273] 04 p0542 N91-13007
Geometric rectification of high resolution airborne multispectral data
[AD-A230696] 12 p1917 N91-20548
Active/passive optical hydrography
[AD-A230697] 12 p1918 N91-20549
Glint removal from multispectral imagery over clear water
[AD-A230792] 12 p1918 N91-20551
KALDEICH, B.
From ground-based to space-borne sub-mm astronomy
[ESA-SP-314] 13 p2172 N91-21986
KALDEICH, BRIGITTE
FIRST: Far Infrared and Submillimetre Space Telescope
[ESA-BR-69] 05 p0733 N91-14095
Summary review of sounding rocket experiments in fluid science and material sciences: TEXUS 1 to 20; MASER 1 and 2
[ESA-SP-1132] 23 p3822 N91-31321
ESA Electronic Components Conference
[ESA-SP-313] 24 p3990 N91-32291
KALE, RANJINI
X ray sensitivity of diploid skin fibroblasts from patients with Fanconi's anemia 19 p3268 N91-28072
KALE, VISHWAS S.
Ancient oceans and Martian paleohydrology
11 p1820 N91-19997
KALEV, A. V.
Baroelectric effect in the present of gravitational forces
[DE91-615469] 11 p1738 N91-19559
KALIA, RAJIV K.
Bragg intensities and diffuse scattering in Ag2Se: Molecular dynamics study
[DE90-017811] 02 p0282 N91-11583
Electron trapping in amorphous silicon: A quantum molecular dynamics study
[DE91-006008] 10 p1503 N91-18272
KALIKHOV, A. V.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058
KALINEN, V. P.
Wave collapse at lower hybrid resonance
06 p0919 N91-15073

KALININ, V. P.
Interlock device
[AD-A225261] 03 p0360 N91-12016
KALINKOV, M.
Isolated galaxies, pairs, and groups of galaxies
08 p1249 N91-16878
Correlation functions for pairs and groups of galaxies
08 p1249 N91-16879
KALINUSHKIN, YE. P.
Microfractographic study of high-speed steel produced from powder 19 p3133 N91-27310
KALISHER, MURRAY H.
HgZnTe-based detectors for LWIR NASA applications
06 p0797 N91-14404
KALLENBACH, P. A.
Catalogue of ESA patents
[ESA-SP-1131] 05 p0731 N91-14083
KALLENBERG, L. C. M.
Discounted dynamic programming. Part 3: Successive approximation
[TW-89-14-PT-3] 01 p0110 N91-10640
Discounted dynamic programming. Part 4: Accelerated successive approximation
[TW-90-03-PT-4] 01 p0110 N91-10641
Discounted dynamic programming. Part 5: Modified policy iteration
[TW-90-04-PT-5] 01 p0110 N91-10642
On finding optimal policies for Markov decision chains: A unifying framework for mean-variance-tradeoffs
[TW-90-10] 22 p3732 N91-30777
KALLEND, J. S.
Accurate representations of general textures by a set of weighted grains
[DE90-016487] 02 p0265 N91-11485
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
Texture analysis of bulk YBa2Cu3O(x) by neutron diffraction
[DE91-006563] 09 p1417 N91-17802
Texture characterization of high Tc thick films
[DE91-006652] 10 p1607 N91-18870
KALLIANPUR, G.
Interacting Hilbert space valued stochastic differential equations and propagation of chaos
[AD-A225991] 04 p0578 N91-13216
KALLIANPUR, GOPINATH
Research in stochastic processes
[AD-A234650] 18 p3053 N91-26860
KALLIO, A.
Dual demodulating circuit tracer
[AD-D014941] 22 p3668 N91-30423
KALLMAN, J. S.
Simulation of planar integrated photonics devices with the LLNL time-domain finite-difference code suite
[DE91-011929] 20 p3405 N91-28876
KALLMAN, ROBERT R.
The design of phase-only filters for optical correlations
[AD-A225641] 05 p0715 N91-13992
KALLNE, E.
He-like spectra through charge exchange processes in tokamak plasmas
[NIFS-69] 11 p1802 N91-19894
KALLURI, SREERAMESH
Axial-torsional fatigue: A study of tubular specimen thickness effects
[NASA-TM-103637] 06 p0838 N91-14632
Estimation of the engineering elastic constants of a directionally solidified superalloy for finite element structural analysis
[NASA-CR-187036] 07 p1019 N91-15598
Effect of tensile mean stress on fatigue behavior of single-crystal and directionally solidified superalloys
[NASA-TM-103644] 10 p1535 N91-18452
Thermomechanical and bithermal fatigue behavior of cast B1900 + Hf and wrought Haynes 188
[NASA-TM-4225] 12 p1869 N91-20268
Elastic response of zone axis (001)-oriented PWA 1480 single crystal: The influence of secondary orientation
[NASA-TM-103782] 13 p2100 N91-21558
Fatigue behavior of a single-crystal superalloy
16 p2582 N91-24313
KALMA, ARNE H.
Radiation response issues for infrared detectors
06 p0794 N91-14388
KALMA, J. N.
The Islamic mean: A peculiar L-statistic
[W-9013] 10 p1587 N91-18751
KALOGEROPOULOS, T.
Alopex optimization algorithm
[AD-A228442] 08 p1203 N91-16615
KALOUPIS, P.
Issues on the production and electrochemical separation of oxygen from carbon dioxide 16 p2594 N91-24376
KALSI, S.
The DARPA compact superconducting x-ray lithography source features
[DE91-013864] 20 p3432 N91-29039
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981
KALTSOUNI, MARIA
Adaptive mesh refinement for meshes with singular elements 08 p1163 N91-16406
KALU, ALEX
An expansion plan for the 60 Hz power distribution system at KSC: LC-39 substations load allocation plan
11 p1825 N91-20028
KALUARACHCHI, J. J.
MOFAT: A two-dimensional finite element program for multiphase flow and multicomponent transport. Program documentation and user's guide
[PB91-191692] 22 p3675 N91-30463
KALYON, DILHAN M.
Injection molding of engineering plastics
[AD-A238583] 21 p3494 N91-29389
KAMAS, G.
Time and frequency users manual, revised 1990
[PB91-107532] 09 p1394 N91-17669
KAMATA, M.
Further development of IDGS: Isotope dilution gamma-ray spectrometry
[DE91-016315] 24 p4104 N91-32936
KAMATA, YUKIO
Observation of laminar boundary layer transition on light monoplane wing surface
[NAL-TR-1077] 17 p2777 N91-25366
KAMATH, H.
Modeling of high speed chemically reacting flow-fields
02 p0149 N91-10870
KAMATH, PRADEEP S.
A highly efficient engineering tool for three-dimensional scramjet flowfield and heat transfer computations
13 p2017 N91-21098
KAMEGAI, MANABU
Fluid shifts and regulation of plasma volume in humans during 12 hours of head-out water immersion
11 p1746 N91-19602
KAMEL, MICHAEL
Integral formulations with special kernels for a composite panel with an elliptical hole or a crack
17 p2746 N91-25192
KAMELANDER, GERALD
Examinations of thermal conductivity in dense plasma
[OEFZS-4564] 22 p3756 N91-30940
KAMEYA, OSAMO
Circumnuclear molecular gas in starburst and Seyfert galaxies 05 p0738 N91-14120
KAMIHATA, S.
Study on ablation of target material induced by pulsed ion beam bombardment 11 p1801 N91-19886
KAMIKAWA, NEIL
Optical Fiber Backscatter Signature Generator (OFBSG)
[AD-D014668] 11 p1798 N91-19870
KAMIN, R. A.
The development of a computational model to predict low temperature fuel flow phenomena
23 p3795 N91-31166
KAMINAGA, FUMITO
Heat transfer characteristics of a radical heat pipe
08 p1140 N91-16276
KAMINAR, NEIL
The design, testing and fabrication of an extruded, linear focus Fresnel lens
[DE90-014852] 02 p0270 N91-11516
KAMINKER, A. D.
Annihilation radiation of strongly-magnetised electron-positron plasma with power-law distributions of particles 06 p0920 N91-15078
KAMINSKAYA, YE. V.
Effect of single impacts of heavy ions of galactic cosmic rays on lactuca sativa seeds exposed on Salyut-6 and Salyut-7 stations 01 p0098 N91-10567
KAMINSKI, C. D.
Radio and infra-red observations of Comet Austin 1989CI 10 p1623 N91-18956
KAMIONKOWSKI, M.
Indirect detection of heavy supersymmetric dark matter
[DE91-009669] 13 p2181 N91-22055
KAMIONKOWSKI, MARC
Energetic neutrinos from heavy-neutralino annihilation in the Sun
[NASA-CR-188447] 16 p2684 N91-24866
KAMIYA, NOBUHIKO
Blunt trailing edge analysis of supercritical airfoils by a Navier-Stokes code
[NAL-TR-1075-T] 13 p2020 N91-21114
Analysis of laminar separation bubbles using a simple eddy-viscosity turbulence model
[NAL-TR-1079] 14 p2263 N91-22520
Observation of laminar boundary layer transition on light monoplane wing surface
[NAL-TR-1077] 17 p2777 N91-25366
KAMMASH, T.
Intense microsecond electron beam interactions with low pressure gases
[AD-A233004] 16 p2692 N91-24902
KAMMERAAD, J. E.
Thulium heat source IR/D project 91-031
[DE91-007117] 10 p1541 N91-18485
KAMO, KEISUKE
Unsteady calculation of the transonic flow over ONERA-M6 wing with a side wall
04 p0451 N91-12518
Navier-Stokes simulation of transonic flow around ventilated airfoils 04 p0466 N91-12611
KAMP, A.
Representation of earthshine impact in the ERS-1 EM payload TB/TV-test 07 p0953 N91-15237
Scaling down the activities of a thermal balance test evaluation 07 p0953 N91-15238
KAMPHUIS, J.
High velocity gas in external galaxies
05 p0735 N91-14105
KAMPWIRTH, R. T.
Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801
Dissipation in high-temperature superconductors in a magnetic field
[DE91-006596] 09 p1418 N91-17808
KAMYKOWSKI, E.
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
KAN, EDWIN P.
A space servicing telerobotics technology demonstration 12 p1938 N91-20660
KAN, YE. L.
Effect of shift work of air traffic controllers on sympathetic nervous system 18 p3025 N91-26700
KANADE, TAKEO
A simple 5-DOF walking robot for space station application 12 p1936 N91-20653
KANAL, LAVEEN N.
The definition of necessary hidden units in neural networks for combinatorial optimization
[AD-A227142] 06 p0866 N91-14786
KANAO, S.
Progressive feature of stepped leader on Japan sea coast in winter (basic data to establish shielding theory for lightning)
[DE91-742133] 11 p1739 N91-19561
KANAO, TADASHI
The electric field changes and UHF radiations caused by the triggered lightning in Japan
24 p4055 N91-32652
KANAZAWA, I.
Liquid and solid Ga and Bi studies with a variable energy positron beam
[DE91-016910] 24 p4096 N91-32889
KANAZAWA, ISAO
A numerical analysis of the flow in a cascade with tip clearance 04 p0454 N91-12536
Numerical simulation of the flowfield through a turbine blade row with tip clearance 04 p0454 N91-12537
KANAZAWA, YOSHIYUKI
WEFAX subsystem 01 p0059 N91-10353
KANCIRUK, PAUL
TRENDS '90: A compendium of data on global change
[DE91-000587] 07 p1026 N91-15632
KANDA, H.
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
KANDA, HIROSHI
An investigation of a two-dimensional hybrid laminar flow control airfoil at high subsonic flow. Part 1: Aerodynamic characteristic of a basic airfoil NLAM78
[NAL-TR-1076] 17 p2730 N91-25116
KANDA, TAKESHI
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
KANDALGAONKAR, S. S.
A study of point discharge current observations in the thunderstorm environment at a tropical station during the year 1987 and 1988 24 p4067 N91-32721
KANDER, ILAN
Calculation of the conductance of two dimensional narrow wires
[ITN-91-85109] 18 p2980 N91-26460

KANDIL, HAMDY A.
Computation of compressible quasi-axisymmetric slender vortex flow and breakdown
22 p3610 N91-30082
Supersonic quasi-axisymmetric vortex breakdown
[AIAA-91-3311-CP] 22 p3610 N91-30083
KANDIL, OSAMA A.
Analysis and control of supersonic vortex breakdown flows
[NASA-CR-186897] 02 p0155 N91-10903
Asymmetric supersonic flow around cones with noncircular sections 06 p0774 N91-14292
Analysis and control of asymmetric vortex flows and supersonic vortex breakdown
[NASA-CR-188637] 22 p3610 N91-30081
Computation of compressible quasi-axisymmetric slender vortex flow and breakdown
22 p3610 N91-30082
Supersonic quasi-axisymmetric vortex breakdown
[AIAA-91-3311-CP] 22 p3610 N91-30083
KANDULA, MAX
Computational fluid dynamics analysis of space shuttle main propulsion feed line 17-inch disconnect valves
02 p0150 N91-10876
KANE, K. M.
Ultraviolet stability of polymers containing the hexafluoroisopropylidene group
[AD-A236255] 19 p3142 N91-27362
KANE, L.
International Energy Subject Categories and Scope
[DE90-015197] 04 p0606 N91-13373
KANE, LEOTA S.
Energy Data Base
[DE90-009278] 05 p0730 N91-14081
KANE, M. J.
Quantum well infrared detectors: An introduction
07 p0941 N91-15158
KANE, R.
Coal utilization and CO2 emissions: What are the control options?
[DE91-015988] 23 p3892 N91-31721
KANE, R. L.
Global climate change: A discussion of major uncertainties
[DE91-011746] 18 p3007 N91-26604
KANE, R. P.
Variability of the Sq focus position in the South American continent
[INPE-4740-PRE/1415] 13 p2117 N91-21652
KANE, RAJAREM P.
Spectral analysis of annual sunspot series: An update
[INPE-5207-PRE/1669] 13 p2183 N91-22060
KANEFSKY, BOB
Evolutionary tree reconstruction
[NASA-CR-188862] 24 p4084 N91-32816
KANEKO, AKIHIRO
Precise measurement method for ionospheric total electron content using signals from GPS satellites
17 p2853 N91-25774
KANEKO, H.
Spectral analysis of the heliotron field with the toroidal harmonic function in a study of the structure of built-in divertor
[NIFS-71] 13 p2157 N91-21892
KANEKO, M.
Solutal diffusion measurements in liquid PbSnTe under microgravity (TEXUS 19) 23 p3832 N91-31372
KANELLAKIS, PARIS C.
Efficient parallel algorithms on restartable fail-stop processors
[AD-A236249] 19 p3228 N91-27845
KANELLAKOPOULOS, I.
Adaptive output-feedback control of systems with output nonlinearities
[AD-A231249] 13 p2142 N91-21793
KANELLAKOPOULOS, IOANNIS
Systematic design of adaptive controllers for feedback linearizable systems
[AD-A228739] 09 p1389 N91-17643
KANEMASU, E. T.
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-187696] 06 p0840 N91-14639
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
A study of the surface energy balance on slopes in a tallgrass prairie
[NASA-CR-187698] 08 p1176 N91-16473
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-185476] 09 p1354 N91-17437
KANEMATSU, EMI
Rarefied gas numerical wind tunnel. 5: Vortex shedding behind an inclined flat plate 04 p0456 N91-12548
Rarefied gas numerical wind tunnel 6: Delta wing
24 p3944 N91-32039
KANEMOTO, G.
The insulation irradiation test program for the compact ignition tokamak
[DE90-011318] 09 p1400 N91-17706
KANERVA, PENTTI
Contour-map encoding of shape for early vision
[NASA-CR-188937] 24 p4035 N91-32545
Efficient packing of patterns in sparse distributed memory by selective weighting of input bits
[NASA-CR-188890] 24 p4082 N91-32802
KANG, BOOGSOON
Adaptive beamforming algorithms for high resolution microwave imaging, volume 1
[AD-A236648] 19 p3152 N91-27426
KANG, CHUL GOO
Robust deterministic control for robotic manipulators
05 p0706 N91-13937
KANG, D. S.
Control and dynamics of a flexible spacecraft during stationkeeping maneuvers 14 p2228 N91-22324
KANG, DORIS
Patterned functionalization of gold and single crystal silicon via photochemical reaction of surface-confined derivatives of (eta5-C5H5)Mn(CO)3
[AD-A229570] 22 p3758 N91-30948
KANG, G. S.
High-quality 800-b/s voice processing algorithm
[AD-A232352] 15 p2414 N91-23372
KANG, GAO
About the possibilities of using an air mass transformation model in Taiyuan, Shanxi Province, China
[KNMI-TR-120] 01 p0093 N91-10540
KANG, K.
Hadronic photons and collider diffractive physics
[DE91-016514] 24 p4096 N91-32888
KANG, KYO C.
Feature-Oriented Domain Analysis (FODA) feasibility study
[AD-A235785] 19 p3223 N91-27815
KANG, M.
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486
KANG, M. PAUL
Mechanisms and modeling of the effects of additives on the nitrogen oxides emission
[NASA-TM-103765] 14 p2253 N91-22464
KANG, NAM KOOK
Nonlinear dynamic analysis of flexible multibody systems
[NASA-CR-187597] 24 p4030 N91-32519
KANG, S.
Analytical and experimental evaluation of joining silicon nitride to metal and silicon carbide to metal for advanced heat engine applications
[DE91-000535] 04 p0532 N91-12952
KANG, S. W.
Aerodynamics modeling of towed-cable dynamics
[DE91-008426] 12 p1831 N91-20060
Atmospheric propagation of high-explosive blast waves
[DE91-012550] 20 p3342 N91-28506
KANG, SING B.
The 3-D object pose determination using complex EGI
[AD-A230112] 12 p1969 N91-20832
KANG, SOON AHM
Anisotropic elliptic optical fibers
[NASA-CR-188233] 16 p2688 N91-24882
KANG, TAI J.
Reaction in rates in the phenomenological adiabatic excited state electron transfer theory
[AD-A235583] 19 p3241 N91-27925
KANGA, CAROL
The NASA master directory: Quick reference guide
[NASA-TM-105070] 22 p3727 N91-30742
KANIA, D. R.
Soft x ray detection with diamond photoconductive detectors
[DE91-000418] 04 p0585 N91-13264
Absorption measurements of radiatively heated low-Z materials
[DE91-011182] 17 p2867 N91-25861
KANKAM, M. DAVID
Development of an analytical tool to study power quality of AC power systems for large spacecraft
[NASA-TM-104451] 17 p2849 N91-25749
Comparative survey of dynamic analyses of free-piston Stirling engines
[NASA-TM-104491] 18 p3055 N91-26870
KANN, K.
Computer tomography measurement of vertebral bones and muscles after extended manned space flights
18 p3023 N91-26690
KANN, R. P.
Plant development in space: Observations on root formation and growth 11 p1758 N91-19670
KANNBERG, L. D.
Applications and challenges for thermal energy storage
[DE91-012873] 20 p3367 N91-28654
KANOU, MAMORU
Soft x ray emission and diagnosis from fiber pinch and conductive thin film liner compression plasma
19 p3248 N91-27964
KANSA, E. J.
Stress-strain gage measurements on a Nevada Test Site (NTS) event using pairs of triple foil gages
[DE91-005061] 13 p2089 N91-21497
KANT, GOOS
The file distribution problem for processor networks
[RUU-CS-90-16] 04 p0569 N91-13155
KANTER, HELMUT
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors 06 p0795 N91-14394
KANTERS, ARNOLDUS FRANCISCUS CORNELIS
On the calculation of leakage and friction of reciprocating elastomeric seals
[ETN-90-97751] 02 p0220 N91-11228
KANTORCIK, T.
Thermoluminescent dosimeter measurements and analysis for LDEF experiment M0006
16 p2709 N91-24990
KANTZOS, PETE
Modeling of crack bridging in a unidirectional metal matrix composite
[NASA-TM-104355] 16 p2648 N91-24660
KANZ, K.
A 43 watt CW Ti:Sapphire laser
[DE91-010468] 15 p2433 N91-23479
KANZ, K. V.
High power CW performance from a Ti:Sapphire laser and a single-pass amplifier
[DE91-005269] 09 p1343 N91-17378
KAO, ANTHONY
Evaluation of K-Span as a Rapidly Erectable Lightweight Mobilization Structure (RELMS)
[AD-A231699] 14 p2254 N91-22469
KAO, C. C.
Soft x ray magnetic scattering study of thin films and multilayers
[DE91-017472] 24 p4102 N91-32920
KAO, CHANG-LUNG
Affine invariant matching of noisy objects
[AD-A225839] 04 p0562 N91-13121
KAO, IMIN
Quasistatic manipulation with compliance and friction
21 p3527 N91-29591
KAO, KAI-HSIUNG
Numerical study of boundary layer instability of flow over axisymmetric cylinder 09 p1335 N91-17331
KAO, PI-JEN
Sensitivity-based scaling for correlating structural response from different analytical models
[NASA-TM-104042] 14 p2274 N91-22578
KAO, T. J.
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 2: User guide
[NASA-CR-181924-VOL-2] 16 p2548 N91-24119
A general multiblock Euler code for propulsion integration. Volume 1: Theory document
[NASA-CR-187484-VOL-1] 16 p2548 N91-24120
A general multiblock Euler code for propulsion integration. Volume 3: User guide for the Euler code
[NASA-CR-187484-VOL-3] 16 p2548 N91-24122
KAO, WEI-LUN
A user-oriented synthetic workload generator
[NASA-CR-188197] 15 p2482 N91-23739
KAO, WEI-WEN
Learning control of robot manipulators
17 p2783 N91-25399
KAO, YUNG-CHUNG
Selective heteroepitaxial growth of compound semiconductors
[AD-A230016] 12 p1986 N91-20929
KAPAHI, V. K.
Orientation effects in the optical-ultraviolet emission from radio quasars 09 p1445 N91-17969
KAPER, H. G.
Mathematical models of superconductivity
[DE91-010827] 16 p2695 N91-24925
KAPER, HANS G.
Symbolic manipulation software and the study of differential equations
[DE90-017674] 02 p0254 N91-11413

A free boundary problem arising in plasma physics
[DE90-010065] 08 p1226 N91-16754
KAPER, L.
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep
09 p1439 N91-17934
Orbital variability in the UV spectra on the massive x ray binary HD153919/4U1700-37
09 p1440 N91-17936
KAPER, TASSO J.
Lobe area in adiabatic Hamiltonian systems
[DE90-016566] 01 p0113 N91-10663
KAPETANAKOS, C. A.
Diffusion fields in a toroidal conducting shell of circular cross section
[AD-A228021] 08 p1127 N91-16197
Studies of synchrotron radiation emission from the NRL modified betatron accelerator
[AD-A231346] 13 p2153 N91-21868
KAPETEIJN, CORNELIS
Measurements on concentration waves in bubbly liquids
[ISBN-90-9003146-4] 03 p0365 N91-12044
KAPITULNIK, A.
Joint services electronics program
[AD-A227576] 08 p1134 N91-16237
KAPITULNIK, AHARON
High temperature superconducting films and crystals
[AD-A235234] 18 p3070 N91-26965
KAPLAN, B. Z.
A method of constructing a pair of pseudorandom sequences with a useful crosscorrelation function
[IAITIC-87-1001] 15 p2410 N91-23345
KAPLAN, CRAIG A.
Switch: A simulation of representational change in the mutilated checkerboard problem
[AD-A225720] 04 p0570 N91-13162
KAPLAN, D. I.
Engineering knowledge requirements for sand and dust on Mars 18 p3087 N91-27067
KAPLAN, HAIM
A primal dual path following algorithm for linear programming with box type constraints
[ITN-91-85087] 12 p1954 N91-20750
KAPLAN, P.
Uncertainties in stress analysis on marine structures
[PB91-193441] 24 p4031 N91-32522
KAPLAN, S. N.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
KAPLAN, STEVEN L.
User's manual for DIODE
[AD-A237190] 21 p3555 N91-29752
KAPOOR, V. J.
InP and InGaAs submicron gate microwave power transistors for 20 GHz applications
[AD-A238595] 21 p3508 N91-29473
KAPOOR, VIK J.
MMIC integration technology investigation
[NASA-CR-188035] 18 p2977 N91-26434
Submicron gate InP power MISFET's with improved output power density at 18 and 20 GHz
18 p2977 N91-26436
KAPP, J. A.
Fatigue of compound cylinders
[AD-A227323] 07 p1015 N91-15571
Unusually high fracture toughness of ASTM A723 steel from a mixed martensite/bainite microstructure
[AD-A230315] 12 p1870 N91-20274
KAPPELMANN, N.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
KAPPES, M. M.
Infrared and Raman spectra of C60 and C70 solid films at room temperature
[AD-A237880] 21 p3506 N91-29462
KAPPLER, HANS M.
Industrial and scientific application of space travel
04 p0491 N91-12732
KAPUR, DEEPAK
A Workshop on the Integration of Numerical and Symbolic Computing Methods
[AD-A238601] 21 p3558 N91-29774
KAPUR, V. K.
High efficiency copper ternary thin film solar cells
[DE91-002134] 17 p2805 N91-25507
Flexible copper-indium-diselenide films and devices for space applications 22 p3634 N91-30222
KAPUR, VIJAY K.
Low-cost CdZnTe devices for cascade cell application
[DE91-002116] 08 p1170 N91-16444
KAPUSCIK, E.
Physics without physical constants
[DE91-619576] 13 p2164 N91-21935
KAPUSTINSKY, J. S.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
KARACA, MEHMET
An upper ocean model for the climatic aspects of air-sea interaction 20 p3374 N91-28691
KARACHENTSEV, I. D.
A homogeneous sample of binary galaxies: Basic observational properties 08 p1245 N91-16859
Triple galaxies and a hidden mass problem
08 p1249 N91-16875
KARACHENTSEVA, V. E.
Triple galaxies and a hidden mass problem
08 p1249 N91-16875
KARALEKAS, DIMITRIOS
Investigation of thermomechanical behavior of metal matrix composites 20 p3306 N91-28296
KARAM, E. L.
Micro-radiography using an electron linac source and RAM memory chip detectors
[AD-A229658] 12 p1953 N91-20742
An examination of radiation-induced bit-upset patterns in semiconductor memories
[AD-A229659] 12 p1990 N91-20950
KARAM, N. H.
Patterning and overgrowth of nanostructure quantum well wire arrays by LP-MOVPE (low pressure-metalorganic vapor phase epitaxy)
[DE91-000717] 04 p0591 N91-13302
KARAMAT, E.
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588
KARAMCHETI, KRISHNAMURTY
Aeroacoustic and aerodynamic applications of the theory of nonequilibrium thermodynamics
[NASA-TP-3118] 17 p2774 N91-25352
KARAMINAS, GEORGIOS
Circuit models for inductive strips in fin-line
[AD-A225309] 03 p0360 N91-12018
KARAMOUZIS, STAMOS
Design of an intelligent information system for in-flight emergency assistance 14 p2316 N91-22792
KARANDIKAR, R. L.
Interacting Hilbert space valued stochastic differential equations and propagation of chaos
[AD-A225991] 04 p0578 N91-13216
KARANGELEN, CAROLYN CEDER
Temporal and spectral features of wall pressure fluctuations beneath a turbulent boundary layer
24 p4018 N91-32461
KARAOLIS, NICOS M.
The design of fibre-reinforced composite blades for passive and active wind turbine rotor aerodynamic control 04 p0543 N91-13011
KARASAWA, TOSHIO
Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003
Modification in the main air blower unit for two meter times two meter transonic wind tunnel: Plan and configuration
[NAL-TM-580] 01 p0013 N91-10081
KARASZ, FRANK E.
Ultrastructure processing of macromolecular materials
[AD-A230175] 12 p1873 N91-20292
A center for advanced electrical and structural polymers
[AD-A229744] 12 p1874 N91-20299
KARATZAS, IOANNIS
Stochastic and control and topics in applied probability
[AD-A233298] 16 p2680 N91-24835
KARAVASSILEV, PLAMEN RAYTCHEV
Noble gas disk MHD generator performance with unstable nonequilibrium plasma
[ISBN-90-9003671-7] 11 p1806 N91-19916
KARDAS, A.
Development of composite latent/sensible heat storage media
[DE91-005636] 10 p1541 N91-18482
KARDAUN, O.
H-mode energy confinement scaling from the ASDEX, DIII-D, and jet tokamaks
[DE91-015145] 21 p3588 N91-29957
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
KARE, J. T.
SDIO Laser Propulsion Workshop
[DE90-011758] 21 p3520 N91-29550
Program and applications for a near-term laser launch system
[DE90-011760] 21 p3520 N91-29551
System requirements for low-Earth-orbit launch using laser propulsion
[DE91-017455] 24 p4024 N91-32490
KARE, JORDIN T.
The 1987 Strategic Defense Initiative Organization (SDIO) Workshop on Laser Propulsion
[DE90-013484] 01 p0046 N91-10274
Ground-to-orbit laser propulsion: Advanced applications
[DE91-004787] 07 p0966 N91-15305
Ground-to-orbit laser propulsion: Advanced applications 14 p2201 N91-22157
KAREMAKER, JOHN M.
Blood pressure regulation in parabolic flight
11 p1741 N91-19575
KARGATIS, VINCENT
Analysis of gamma ray burst spectra with cyclotron lines
[DE91-001745] 05 p0769 N91-14269
KARGEL, J. S.
Water resources and hydrology of Mars
17 p2910 N91-26065
KARGEL, JEFFREY S.
Ancient oceans and Martian paleohydrology
11 p1820 N91-19997
KARGEL, JEFFREY STUART
Cryomagmatism in the outer solar system
15 p2530 N91-24019
KARGER, A.
Imaging of fluorescent and chemiluminescent DNA hybrids using a 2-D CCD camera
[AD-A234641] 18 p3020 N91-26676
KARGER, INGO
Air rescue in the Federal Republic of Germany
[ETN-90-97878] 02 p0166 N91-10963
KARIM, A.
Interdiffusion at the bilayer polymer interface: Evidence for reptation
[DE91-004405] 10 p1504 N91-18276
KARIM, MUNAWAR
Instrumenting a room temperature gravitational radiation antenna for sub-Kelvin temperatures
[IFSI-90-20] 02 p0204 N91-11143
KARIMI, AMIR
Reexamination of METMAN, recommendations on enhancement of LCVG, and development of new concepts for EMU heat sink 18 p3093 N91-27098
KARITA, YUKIO
Proceedings of the symposium on networking
[DE90-777889] 09 p1419 N91-17813
KARKISHCHENKO, N. N.
Requirements for an ideal drug for preventing space motion sickness 01 p0097 N91-10566
KARKKAINEN, PAAVO
Monitoring an assembly task by perception requests
15 p2491 N91-23791
Intelligent planning in controlling electronics assembly
15 p2491 N91-23792
KARKOSCHKA, ERICH
Saturn's atmosphere in the visible and near infrared, 1986-1990 03 p0439 N91-12452
KARL, ALVA
A Motion Activated Articulating Seat (MAAS): A dynamic concept for cockpit seat design in high performance aircraft
[AD-A231698] 16 p2664 N91-24738
KARL, R.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
KARL, T. R.
Historical sunshine and cloud data in the United States
[DE91-016825] 24 p4070 N91-32741
KARL, THOMAS R.
Multi-dimensional aspects of recent climate change in North America
[DE90-010958] 08 p1173 N91-16460
KARLSEN, C. E.
A characterization of internal-Sn Nb3 Sn superconductors for use in the Proof of Priciples (PoP) coil
[DE91-001743] 06 p0879 N91-14852
KARLSEN, PER J.
Development of procedures for verification of alleged use of chemical warfare agents: Application of procedures after a simulated attack on an air base
[FFI-91/6006] 24 p3963 N91-32148
KARLSSON, EDVARD
Measurements of air quality and meteorological conditions in seven communities in northern Sweden
[FOA-C-40281-4.5] 14 p2290 N91-22665

KARLSSON, JOAKIM
Automatic speech recognition in air traffic control: A human factors perspective 11 p1637 N91-19025
KARMARKAR, S. D.
Synthesis and characterization of high temperature superconductor materials 05 p0725 N91-14048
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796
KARMARKAR, SUBHASH D.
Method of soldering aluminum
[AD-D014696] 12 p1868 N91-20262
KARNER, PAUL
Early focus development effort, ultrasonic inspection of fixed housing metal-to-adhesive bondline
[NASA-CR-184143] 14 p2273 N91-22573
KARNEY, C. F. F.
Fast-wave current drive modelling for large non-circular tokamaks
[DE91-000562] 04 p0584 N91-13261
KARNEY, CHARLES F. F.
Neoclassical effects on RF current drive
[DE90-010302] 08 p1131 N91-16222
KARNI, S.
Far-field boundaries and their numerical treatment 08 p1141 N91-16281
Numerical computation of two-dimensional unsteady detonation waves in high energy solids
[CRANFIELD-AERO-9013] 12 p1899 N91-20443
KARP, BRAD N.
Increasing the granularity of parallelism and reducing contention in automatic differentiation
[DE91-004747] 10 p1580 N91-18694
KARPEL, MORDECHAY
Physically weighted approximations of unsteady aerodynamic forces using the minimum-state method
[NASA-TP-3025] 10 p1456 N91-18031
KARPUK, M.
CO2 sources for microalgae-based liquid fuel production
[DE90-000367] 04 p0511 N91-12839
KARPUR, PRASANNA
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
KARR, GERALD R.
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-184044] 10 p1626 N91-18967
KARR, L. A.
Literature review: Computer aided assessment techniques for nonpoint source discharges
[AD-A236347] 19 p3187 N91-27622
KARR, T. J.
Irradiance compensation control for high-energy laser propagation. Part 1: Theory and Fourier control model propagation results
[DE91-013130] 20 p3351 N91-28559
Plan for a laser weapon verification research program
[DE90-012123] 21 p3570 N91-29848
KARS, W. T. M.
From game trees to game graphs
[RUU-CS-90-43] 23 p3923 N91-31921
KARUZA, SARUNAS K.
Long-term microwave power drift of a cesium frequency standard and its effect on output frequency 17 p2852 N91-25770
KARWACKI, FRANCIS A.
Superconducting Josephson Junction Gyroscope (JJG) 05 p0724 N91-14043
KARZANOV, ALEXANDER V.
Cyclical games with prohibitions
[RR-821-M] 16 p2680 N91-24836
KASAHARA, AKIRA
Research on diabatic initialization 08 p1182 N91-16504
Research on diabatic initialization 24 p4058 N91-32671
KASAHARA, K.
Atmospheric neutrino fluxes
[DE90-508023] 02 p0295 N91-11656
KASAI, NOBORU
Operation and characteristics of very low temperature irradiation test equipment
[DE91-744834] 12 p1872 N91-20285
KASAI, T.
Drift-wave transport model and role of fast particles 10 p1597 N91-18813
KASAMI, TADAO
Multi-stage decoding for multi-level block modulation codes
[NASA-CR-188759] 22 p3727 N91-30747
KASCHMITTER, J. L.
The status of lightweight photovoltaic space array technology based on amorphous silicon solar cells
[DE91-014985] 23 p3888 N91-31698
KASCHMITTER, JIM
The status of lightweight photovoltaic space array technology based on amorphous silicon solar cells 22 p3634 N91-30224
KASCHNITZ, E.
Thermophysical properties of POCO AXF-5Q graphite up to melting
[DE91-014751] 21 p3485 N91-29334
KASHANGAKI, THOMAS A. L.
On-orbit damage detection and health monitoring of large space trusses: Status and critical issues
[NASA-TM-104045] 13 p2104 N91-21579
KASHYAP, R. L.
Modeling, estimation, and pattern analysis of random texture on 3-D surfaces
[AD-A231849] 14 p2306 N91-22743
KASI, S. R.
Chemistry of fluorine in the oxidation of silicon
[AD-A234959] 18 p2949 N91-26272
KASISCHKE, E.
ALP FOPEN site description and ground truth summary
[AD-A224857] 03 p0384 N91-12143
KASISCHKE, ERIC
P-3 SAR calibration activity at Andros Island
[AD-A237357] 21 p3498 N91-29412
KASPAREK, W.
Study on ECW transmission lines for NET/ITER
[EUR-FU/80/90-99] 08 p1230 N91-16781
KASPI, T.
An on-line computerized system for blood-flow measurements 15 p2498 N91-23834
KASS, JAMES R.
Payload related crew operations: From past missions to Columbus 15 p2449 N91-23569
KASSABIAN, N. C.
Geographic information systems, 1990
[PB91-108423] 09 p1422 N91-17828
KASSEL, PHILIP C.
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
KASSEL, PHILIP C., JR.
Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] 06 p0799 N91-14412
KASSIES, A.
Computer graphics for fluid flow analysis in CAE
[NLR-TP-89029-U] 22 p3679 N91-30484
Method management for the benefit of large software packages for analysis in CAE
[NLR-TP-89027-U] 22 p3733 N91-30786
Design and testing of a multiblock grid-generation procedure for aircraft design and research
[NLR-TP-89146-U] 23 p3789 N91-31131
KASSNER, T. F.
Stress corrosion cracking of candidate structural materials under simulated first-wall/aqueous coolant environments
[DE91-006370] 09 p1316 N91-17225
KASSOY, D. R.
Center for low-gravity fluid mechanics and transport phenomena
[NASA-CR-188048] 13 p2079 N91-21452
KAST, B. A.
Automatic target recognition using acousto-optic image correlator
[DE91-011499] 18 p3065 N91-26936
KASTENS, KIM A.
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591
KASTING, JAMES F.
Runaway greenhouse atmospheres: Applications to Earth and Venus 14 p2346 N91-22977
KASTNER, JOEL HARVEY
Radio and infrared studies of mass-losing evolved stars 15 p2532 N91-24026
KASUYA, KOICHI
Experiments toward the development of new pulsed ion diodes 11 p1801 N91-19885
KASUYA, KOUICHI
Soft x ray emission and diagnosis from fiber pinch and conductive thin film liner compression plasma 19 p3248 N91-27964
KAT, P. J.
Investigation into the applicability of knowledge engineering
[NLR-TP-89031-U] 23 p3917 N91-31878
KATAJA, EERO
Homogeneity of geomagnetic variations at the Sodankyla Observatory
[FACL-76] 12 p1922 N91-20574
KATAL, NEDIM
A generic set of HF antennas for use with spherical model expansions
[AD-A226061] 04 p0515 N91-12864
KATAYAMA, M.
Solutal diffusion measurements in liquid PbSnTe under microgravity (TEXUS 19) 23 p3832 N91-31372
KATCHALSKI-KATZIR, EPHRAIM
Achievements, difficulties and predicted developments in immunoaffinity chromatography 14 p2293 N91-22682
KATEHI, LINDA P. B.
Theoretical and experimental study of microstrip discontinuities in millimeter wave integrated circuits
[AD-A225942] 04 p0519 N91-12887
KATEHI, P. B.
Computer program for mode search in partially-filled waveguide
[AD-A225943] 04 p0514 N91-12860
KATKOV, A. YU.
Enhancement of human tolerance of acute hypoxia by adaptation and intense training at high altitudes 02 p0243 N91-11355
KATNIK, GREGORY N.
Debris/ice/TPS assessment and photographic analysis for shuttle mission STS-35
[NASA-TM-103816] 11 p1655 N91-19118
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-37
[NASA-TM-103818] 16 p2564 N91-24218
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-39
[NASA-TM-103820] 16 p2565 N91-24221
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-40
[NASA-TM-103822] 21 p3464 N91-29210
KATO, DENISE
Project Artemis 10 p1478 N91-18141
KATO, H.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298
KATO, K.
A comparative study of seminiferous tubular epithelium from rats flown on Cosmos 1887 and SL3 19 p3266 N91-28064
KATO, M.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298
KATO, S.
Hydrodynamic instabilities in laser driven implosion 20 p3409 N91-28897
KATO, SUSUMU
Historical aspects of radar atmospheric dynamics 18 p3009 N91-26614
KATO, T.
He-like spectra through charge exchange processes in tokamak plasmas
[NIFS-69] 11 p1802 N91-19894
Relaxed state and entropy production 20 p3411 N91-28907
KATO, TAKEO
The fabrication and characteristics of Ta2N field emitters
[AD-A227556] 09 p1312 N91-17199
KATO, YOSHIHIKO
Energy converter from laser energy to electricity using plasma as a medium: The separation of ions by the medium 19 p3248 N91-27966
KATRAGADDA, S.
Aerodynamic drag characterization and deposition studies of irregular particles. Part 3: Analysis of flow and temperature field inside the Combustion Deposition Entrained Reactor (CDER)
[DE90-000466] 08 p1137 N91-16259
KATSAROS, KRISTINA B.
Atmospheric water parameters in mid-latitude cyclones observed by microwave radiometry and compared to model calculations
[NASA-CR-187996] 10 p1556 N91-18558
KATSUKI, SUNAO
Generation of pulsed ion beams by an inductive storage pulsed power generator 11 p1802 N91-19891
KATTENBERG, ARIE
A primitive equation model for the equatorial Pacific
[KNMI-TR-124] 05 p0690 N91-13840
KATTI, R. R.
Integrated Vertical Bloch Line (VBL) memory 15 p2537 N91-24051
KATUNTSEV, V. P.
Central and systemic hemodynamics in simulated weightlessness 10 p1561 N91-18585
KATYAL, A. K.
MOFAT: A two-dimensional finite element program for multiphase flow and multicomponent transport. Program documentation and user's guide
[PB91-191692] 22 p3675 N91-30463

KATZ, I.
Polar code validation
[AD-A230138] 12 p1854 N91-20186
KATZ, IRA
Physical processes associated with current collection by plasma contactors 09 p1403 N91-17722
NASCAP/LEO calculations of current collection 09 p1405 N91-17733
KATZ, J. D.
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115
Investigation of interlayer materials for the microwave joining of SiC
[DE91-013311] 20 p3325 N91-28414
Microwave enhanced diffusion?
[DE91-013312] 20 p3326 N91-28415
KATZ, J. L.
Ultrafine refractory particle formation in counterflow diffusion flames
[DE91-007693] 11 p1680 N91-19260
KATZ, JONATHAN L.
A practicability study on the development of a standard, stand-alone computerized contract pricing model for contract pricing and negotiations
[AD-A232012] 16 p2697 N91-24937
KATZ, JOSEPH L.
Initial studies of electric field effects on ceramic powder formation in flames
[DE90-007571] 08 p1117 N91-16138
KATZ, RICHARD W.
Extremes and design values in climatology
[WCAP-14] 22 p3710 N91-30650
KATZ, ROBERT
Cellular track model of biological damage to mammalian cell cultures from galactic cosmic rays
[NASA-TP-3055] 08 p1268 N91-16981
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
KATZ, S. B.
Configuration management concepts document. National PDES testbed report series
[PB91-194480] 21 p3495 N91-29391
KATZ, THOMAS J.
Polymer syntheses and mechanisms of polymerization
[AD-A233034] 16 p2606 N91-24438
KATZ, U. F.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845
KATZAN, CYNTHIA M.
The effects of lunar dust accumulation on the performance of photovoltaic arrays 22 p3637 N91-30238
KATZBERG, STEVEN J.
Aerobrake assembly with minimum Space Station accommodation
[NASA-TM-102778] 13 p2034 N91-21183
KATZENELSON, JACOB
The supercomputer toolkit and its applications
[AD-A225807] 04 p0555 N91-13077
KATZIR, A.
Temperature distribution and thermal damage during tissue ablation by CO2 laser irradiation: Model and experiment 15 p2497 N91-23833
Optical and mechanical properties of mixed silver halide crystals 15 p2498 N91-23837
KAU, L. S.
Structure of electrochemically deposited copper on gold (III) alloy
[AD-A232345] 15 p2402 N91-23303
KAUDER, LON
Preliminary results for LDEF/HEPP thermal control samples 16 p2715 N91-25028
KAUFELER, J. F.
The SCOS: A configurable infrastructure for the control of spacecraft using packets 14 p2208 N91-22194
The European Space Agency standard for space packet management 14 p2215 N91-22237
The ESOC Spacecraft Performance Evaluation System (SPES) 14 p2223 N91-22290
KAUFFMAN, C. W.
The interaction phenomena between adjacent detonating layers
[AD-A231761] 14 p2264 N91-22522
KAUFFMAN, JOEL M.
High pulse-energy flashlamp-pumpable laser dyes
[AD-A233837] 18 p2968 N91-26499
KAUFFMAN, R.
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946
KAUFMAN, JONATHAN W.
Ventilation loss and pressurization in the NASA launch/entry suit: Potential for heat stress
[NASA-CR-188075] 13 p2129 N91-21719
KAUFMAN, LLOYD
Cognitive and neural bases of skilled performance
[AD-A226668] 05 p0695 N91-13869
Cognition and the brain
[AD-A237846] 21 p3550 N91-29727
KAUFMAN, TIM
Spacecraft Health Automated Reasoning Prototype (SHARP): The fiscal year 1989 SHARP portability evaluations task for NASA Solar System Exploration Division's Voyager project
[NASA-CR-187338] 01 p0034 N91-10204
KAUFMAN, Y. J.
AVHRR and VISSR sateilite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475
KAUFMANN, ALAIN
Distributed algorithms for the intersection of Bezier curves and surfaces
[ETN-91-99490] 22 p3730 N91-30766
KAUFMANN, B.
Effect of wind and wind variation on aircraft flight-paths 02 p0168 N91-10972
Wind models for flight simulation 02 p0168 N91-10975
KAUFMANN, K. J.
Full-size solar dynamic heat receiver thermal-vacuum tests
[NASA-TM-104486] 17 p2744 N91-25184
Ground test program for a full-size solar dynamic heat receiver
[NASA-TM-104485] 19 p3115 N91-27209
KAUFMANN, PHILIP R.
National stream survey database guide
[PB91-141804] 15 p2459 N91-23625
KAUFMANN, W. A.
Flight control design issues in bank-to-turn missiles 05 p0620 N91-13437
KAUKLER, WILLIAM F.
Laser welding in space
[NASA-CR-185638] 19 p3173 N91-27541
KAUL, ROGER
Spike leakage and burnout of silicon PIN diode microwave limiters
[AD-A238392] 21 p3507 N91-29471
KAULA, RAJEEV
An open intelligent information systems architecture 07 p1076 N91-15922
KAULA, WILLIAM M.
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
KAUN, T. D.
Development of prototype sealed bipolar lithium/sulfide cells
[DE91-015721] 23 p3859 N91-31519
KAUPPILA, T.
Time-resolved emittance measurements of an excimer-laser-driven metal photocathode
[DE91-013066] 20 p3351 N91-28558
KAUPPILA, T. J.
REX: A 5-MV pulsed-power source for driving high-brightness electron beam diodes
[DE91-014604] 21 p3503 N91-29443
KAUPPINEN, PENTTI
Testing of engineering ceramics, summary
[VTT-RR-678] 05 p0643 N91-13567
KAURISTIE, KIRSTI
Homogeneity of geomagnetic variations at the Sodankyla Observatory
[FACL-76] 12 p1922 N91-20574
KAUSHIK, S.
The MIT short-wavelength laser project
[DE91-015357] 21 p3525 N91-29582
KAUTZ, D. D.
Enable Kit (MC-4246) for the DOT Charged Line System: Welding development report for 1/4-inch tubes and fittings
[DE91-002577] 06 p0833 N91-14606
Weldability of AerMet 100
[DE91-008626] 12 p1908 N91-20499
KAUTZ, HAROLD
Review of acousto-ultrasonic NDE for composites 10 p1487 N91-18192
Acousto-ultrasonic nondestructive evaluation of materials using laser beam generation and detection 10 p1487 N91-18193
KAUTZ, HAROLD E.
A preliminary investigation of acousto-ultrasonic NDE of metal matrix composite test specimens
[NASA-TM-104339] 15 p2441 N91-23521
Ultrasonic velocity technique for monitoring property changes in fiber-reinforced ceramic matrix composites
[NASA-TM-103806] 22 p3690 N91-30546
KAVAYA, MICHAEL J.
Theory of CW lidar aerosol backscatter measurements and development of a 2.1 microns solid-state pulsed laser radar for aerosol backscatter profiling
[NASA-CR-4347] 11 p1725 N91-19498
KAVEH-AHANGAR, ABDOLMEHDI
Analysis of progressive damage in fibrous composite laminates 09 p1302 N91-17146
KAW, P. K.
Model for marfe-detached plasma transition in tokamaks 20 p3415 N91-28938
KAWABATA, SEIJI
Antenna/transmitter control unit 01 p0059 N91-10348
KAWABE, M.
Oceanographic data report Number 8: Density profiles from the Delaware Estuary, October 1986 - September 1988
[PB91-183608] 21 p3547 N91-29707
KAWABE, MITSUO
Chemistry and defects in semiconductor heterostructures, volume 148
[AD-A229585] 22 p3758 N91-30949
KAWABE, RYOHEI
CO mapping of the nuclear region of NGC 6946 and IC 342 with Nobeyama millimeter array 05 p0762 N91-14233
KAWABE, USHIO
The status-quo and prospect of superconducting digital devices 05 p0723 N91-14039
KAWACHI, KEIJI
Effects of blade tip planforms on rotor performance in hover 04 p0457 N91-12553
Navier-Stokes analysis for flowfield around hovering rotor 24 p3948 N91-32066
KAWAHARA, HIROYASU
Configuration, function and performance of the flight simulation test facility and its motion simulation system
[NAL-TM-575] 01 p0013 N91-10080
Function and performance of visual simulation unit of flight simulation test facility
[NAL-TM-581] 01 p0013 N91-10082
Flight simulator evaluation test of multi-functional display unit
[NAL-TM-596] 02 p0182 N91-11026
KAWAHARA, W. A.
The SNL, Livermore, Hopkinson bar apparatus for compressive materials testing at high strain-rates
[DE91-013132] 20 p3360 N91-28612
KAWAHATA, K.
Measurement of density fluctuations in the JIPP T-IIU tokamak 10 p1598 N91-18815
KAWAHATA, KAZUO
Calibration source for electron cyclotron emission measurements
[NIFS-19] 24 p4101 N91-32913
KAWAI, MASAFUMI
Aerothermal analysis for gas turbine combustion liner cooling slots 04 p0454 N91-12534
A numerical calculation method for three-dimensional flows in the dump diffuser of gas turbine combustor 04 p0463 N91-12593
Numerical analysis of high velocity flow field around the bluff body 04 p0468 N91-12621
KAWAI, N.
The x ray emission of SS433
[MPE-PREPRINT-189] 08 p1244 N91-16856
KAWAI, NOBUHIRO
Verification of 2D-viscous flow simulation codes using airfoil with very small leading edge radius 04 p0468 N91-12625
KAWAKATSU, TOSHIHIRO
Dynamics of interfaces with internal structures 20 p3414 N91-28926
KAWAMOTO, I.
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
KAWAMURA, K.
Vibration characteristics of rotor containing boiling coolant
[DE91-742145] 10 p1536 N91-18454
KAWAMURA, T.
Numerical simulation of wing in grand effect 2 04 p0457 N91-12552
Numerical simulation of flow around the aircraft designed to utilize ground effect 04 p0468 N91-12624
KAWASAKI, KYOZI
Dynamics of interfaces with internal structures 20 p3414 N91-28926
KAWASAKI, S.
Transport phenomena in ultra-long discharge 10 p1600 N91-18826

KAWASAKI, ZEN-ICHIRO
The electric field change caused by a ground flash with multiple channels 24 p4054 N91-32647
The electric field changes and UHF radiations caused by the triggered lightning in Japan 24 p4055 N91-32652
KAWASHIMA, NORITSUGU
Wear characteristics of bonded solid film lubricant under high load condition 16 p2641 N91-24616
KAWATA, SHIGEO
Rayleigh-Taylor instability in LIB ICF 11 p1800 N91-19883
KAWATRA, S. K.
Planetary materials and resource utilization: An interdisciplinary engineering design course at Michigan Technological University 14 p2205 N91-22180
Utilization of lunar ilmenite: Basalt or regolith? 17 p2902 N91-26030
KAY, A.
Frontogenesis in gravity currents: The effect of endwalls and diffusion
[MATHS-REPT-A-127] 05 p0660 N91-13666
KAY, B. D.
Sol-gel kinetics by NMR
[DE91-011500] 20 p3309 N91-28314
KAY, BRUCE D.
State-to-state inelastic and reactive molecular beam scattering from surfaces
[DE90-010492] 08 p1219 N91-16714
KAYABA, SHIGEO
An experimental study of a three-dimensional swept-back wing with suction laminar-flow-control
[NAL-TR-1072] 13 p2020 N91-21113
KAYE, M. G.
Evaluation of virtual cockpit concepts during simulated missions
[RAE-TM-MM-36] 12 p1889 N91-20385
KAYE, S. M.
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946
KAYNAK, CEVDET
Growth of short fatigue cracks in 7075-T6 aluminum alloy 02 p0224 N91-11249
KAYNAK, UNVER
Computational turbulence studies in Turkey 24 p4015 N91-32449
KAYRAN, ALTAN
Free vibration analysis of laminated composite shells of revolution including transverse shear deformation 16 p2644 N91-24635
KAZA, K. R. V.
ASTROP2 users manual: A program for aeroelastic stability analysis of propfans
[NASA-TM-4304] 20 p3363 N91-28627
KAZACOS, MICHAEL
Electrolyte optimization and electrode material evaluation for the vanadium redox battery 08 p1133 N91-16234
KAZAKOS, D.
Error bounds and asymptotic performance under mismatch of multisensor detection systems
[AD-A228646] 09 p1392 N91-17661
KAZAKOS, DEMETRIOS
Design and analysis of multi-sensor sequential detection system
[AD-A238012] 21 p3519 N91-29543
KAZAKOV, G. T.
Effect of 7 day antiorthostatic hypokinesia on cardiac pumping action in monkeys 18 p3026 N91-26704
KAZAKOVA, R. T.
Central and systemic hemodynamics in simulated weightlessness 10 p1561 N91-18585
KAZANAS, D. M.
C IV: Line profile correlations in NGC 4151 09 p1444 N91-17963
KAZANOVSKAYA, I.
Individual stereotypes of human neuropsychic prognostic activity in problem situations with different probability structures 18 p3024 N91-26695
KAZAROFF, J. M.
A life comparison of tube and channel cooling passages for thrust chambers
[NASA-TM-103613] 02 p0189 N91-11059
KAZAROFF, JOHN M.
New method of making advanced tube-bundle rocket thrust chambers
[NASA-TM-103617] 07 p0965 N91-15301
A dual-cooled hydrogen-oxygen rocket engine heat transfer analysis
[NASA-TM-104430] 16 p2580 N91-24302
KAZBEGI, A. Z.
On the existence of circular polarisation in the pulsar radiation 06 p0921 N91-15088
On the possibility of discovering pulsed radiation from SN 1987A 06 p0923 N91-15102
KAZI, LABEED IQBAL
Infrared and visible studies of Pakistan portion of Arabian Sea using INSAT geostationary satellite 15 p2456 N91-23611
KAZIMIROVSKY, E.
International reference ionosphere 1990
[NASA-TM-105055] 22 p3705 N91-30621
KE, SHOU-QUAN
Environmental testing for Chinese communications satellites 07 p0951 N91-15226
KEAN, PETER N.
Generation and nonlinear propagation of ultrashort near-infrared laser pulses 22 p3682 N91-30502
KEANE, C.
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility
[DE91-001685] 05 p0665 N91-13698
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557
KEANE, C. J.
Advanced design and modeling concepts for recombination x ray lasers
[DE91-005071] 07 p1008 N91-15536
Short pulse driven recombination x ray lasers
[DE90-009945] 08 p1151 N91-16340
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-006710] 09 p1343 N91-17380
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-007146] 11 p1712 N91-19429
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
Optically-ionized plasma recombination x ray lasers
[DE91-007261] 11 p1802 N91-19898
Theory and simulation of Raman scattering in intense, short pulse laser plasma interactions
[DE91-008734] 12 p1984 N91-20915
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946
KEANE, D.
Nucleus-nucleus collisions and the nuclear equation of state
[DE91-016747] 23 p3926 N91-31937
KEANE, M.
Strong law and central limit theorem for a process between maxima and sums
[REPT-90-35] 07 p1058 N91-15818
KEANE, MICHAEL K.
Computer programming and group theory
[AD-A225155] 03 p0401 N91-12228
KEARNEY, FRANK W.
Nondestructive evaluation and inspection programs for Pershing 2 motors
[AD-A225009] 04 p0495 N91-12750
KEARNEY, J. K.
Generalizing the hop: Object-level programming for legged motion
[AD-A231315] 13 p2098 N91-21549
KEARNEY, K. J.
Reduction of three-halves harmonic emission from laser-produced plasmas with broadwidth induced spatial incoherence at 0.53 micrometers
[AD-A235798] 19 p3250 N91-27974
KEARNS, JAMES ANDREW
An investigation of the diffraction of an acoustic plane wave by a curved surface of finite impedance 06 p0868 N91-14800
KEATING, G. M.
Middle Atmosphere Program. Handbook for MAP. Volume 31: Reference models of trace species for the COSPAR international reference atmosphere
[NASA-CR-188625] 19 p3188 N91-27632
Ozone reference models for the middle atmosphere (new CIRA) 19 p3188 N91-27633
Improved reference models for middle atmosphere ozone 19 p3189 N91-27634
KEATING, JAMES F.
SATURN: The next generation radio for NATO 16 p2615 N91-24475
KEATING, JEROME P.
Probabilistic lifetime strength of aerospace materials via computational simulation
[NASA-CR-187178] 21 p3533 N91-29629
KEATING, THOMAS
COBE's search for structure in the Big Bang
[NASA-TM-102976] 05 p0769 N91-14271
KEAVNEY, C.
Tunnel junctions for InP-on-Si solar cells 22 p3631 N91-30204
KECHEMAIR, D.
Real time actuating of laser power and scanning velocity for thermal regulation during laser hardening
[ETN-91-99908] 23 p3878 N91-31636
KECK, J. C.
Engine knock predictions using a fully-detailed and a reduced chemical kinetic mechanism
[DE90-005992] 09 p1305 N91-17162
KECKLER, CLAUDE R.
Flight elements subpanel 09 p1283 N91-17056
KECSKES, L. J.
Explosive consolidation of combustion synthesized TiB2 and TiC: Microstructural properties
[AD-A226390] 04 p0504 N91-12800
KEDDY, M. D.
Demonstration of liquid metal/fabric heat pipes
[DE91-008584] 19 p3162 N91-27485
KEDL, ROBERT J.
Performance of an ice-in-tank diurnal ice storage cooling system at Fort Stewart, Georgia
[AD-A224739] 03 p0386 N91-12153
KEDWARD, KEITH T.
Development of a fatigue-life methodology for composite structures subjected to out-of-plane load components
[NASA-TM-102885] 11 p1677 N91-19241
KEDZIERAWSKI, ANDRZEJ WLADYSLAW
Inverse scattering problems for acoustic waves in an inhomogeneous medium 18 p3055 N91-26876
KEE, R. J.
Surface Chemkin (version 3.7): A FORTRAN package for analyzing heterogeneous chemical kinetics at a solid-surface-gas-phase interface
[DE91-010840] 18 p2951 N91-26285
KEECH, VIRGINIA
A reusable knowledge acquisition shell: KASH 14 p2315 N91-22789
KEEFE, L. R.
The effects of compressibility on a supersonic mixing layer
[AD-A234992] 18 p2922 N91-26119
KEEFE, THOMAS FREDRICK
Multilevel secure database management systems 16 p2698 N91-24940
KEEFER, K. D.
Phase formation in the Tl-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
KEEGAN, K. D.
Thermal and albedo mapping of the north and south polar regions of Mars 18 p3088 N91-27076
KEEGAN, R.
The LDEF ultra heavy cosmic ray experiment 16 p2709 N91-24994
KEEL, WILLIAM C.
Paired and Interacting Galaxies: International Astronomical Union Colloquium No. 124
[NASA-CP-3098] 08 p1244 N91-16858
Statistics of associations among IR galaxies 08 p1255 N91-16909
The role of shocks in NGC 6240 08 p1257 N91-16921
A simulation survey of galaxy interactions 08 p1259 N91-16936
The role of UV-optical obscuration in starburst galaxies
[NASA-CR-188771] 22 p3774 N91-31051
KEELING, J. F., III
A selection tool for choosing the best participative problem-solving technique
[DE91-012421] 20 p3436 N91-29068
Structured meeting techniques identify emergency management issues practitioners really want to see addressed
[DE91-012414] 20 p3436 N91-29069
KEENAN, DRU
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
KEENAN, F. P.
IUE, optical and radio observations of high velocity gas components in the nearby interstellar medium 09 p1443 N91-17955
KEENE, A. P.
Data fusion: A preliminary study
[FEL-90-B356] 22 p3767 N91-31003
KEENE, W. C.
Intercomparison of the chemical and meteorological data generated from aircraft and shipboard sampling during GCE/CASE/WATOX
[PB91-129098] 13 p2120 N91-21667

KEENEY-WALKER, J.
Assessment of ductile fracture methodology based on applications to large-scale experiments
[DE91-009920] 20 p3360 N91-28614
KEESEE, J.
Critical speeds and forced response solutions for active magnetic bearing turbomachinery, part 1
13 p2038 N91-21209
Critical speeds and forced response solutions for active magnetic bearing turbomachinery, part 2
13 p2038 N91-21210
KEESLER, JEFF A.
Composite specimen design analysis. Volume 2: Experimental efforts
[AD-A238277] 21 p3470 N91-29247
KEETON, L. W.
Conjugate (solid/fluid) computational fluid dynamics analysis of the space shuttle solid rocket motor nozzle/case and case field joints
02 p0151 N91-10879
KEFFER, CHARLES E.
Theoretical and experimental studies relevant to interpretation of auroral emissions
[NASA-CR-188491] 18 p3013 N91-26637
KEGELMAN, JEROME T.
Flow visualization and hot gas ingestion characteristics of a vectored thrust STOVL concept
12 p1836 N91-20090
Vortex system evolution in 2- and 3-D swept trailing edge flows
[AD-A232692] 15 p2429 N91-23453
KEHNE, D.
An electron beam injector for pulse compression experiments
[DE91-005744] 09 p1398 N91-17694
KEHOE, ANTHONY BYRD
Coherent and random apparent stresses in periodically unsteady flows 09 p1336 N91-17336
KEHOE, MICHAEL W.
Thermoelastic vibration test techniques
[NASA-TM-101742] 11 p1647 N91-19083
Determination of the effects of heating on modal characteristics of an aluminum plate with application to hypersonic vehicles
[NASA-TM-4274] 14 p2193 N91-22111
KEHS, R. A.
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
KEHTARNAVAZ, H.
Boundary layer study. Phase 4: Experimental validation test plan
[AD-A231342] 13 p2083 N91-21481
KEICHER, D. M.
Experimental verification of physical model of pulsed laser welding
[DE91-000025] 08 p1158 N91-16380
Performance of three-crystal 1800 watt CW Nd:YAG laser
[DE91-004791] 09 p1341 N91-17365
Fluxless laser soldering of radar housings
[DE91-005223] 10 p1528 N91-18414
Fluxless soldering of Ni-Au plated Kovar with a laser
[DE91-013261] 20 p3332 N91-28451
KEIL, M.
Examination and mapping of forest damage, using remote sensing methods
[ETN-91-99741] 23 p3888 N91-31696
KEINAN, RONEN
Methods for channel routing and modifications of the YACR2 algorithm
[ITN-90-85020] 16 p2666 N91-24751
KEINANEN, HEIKKI
Evaluation of catastrophic failure risk in pressure vessels. Results of pressure vessel test with a large vessel (HC2-test)
[VTT-RR-708] 15 p2446 N91-23551
KEINATH, W.
Development of fabrication methods for metallic multilayer structures 03 p0331 N91-11849
KEINHARDT, K. C.
Measurement of high-voltage and radiation-damage limitations to advanced solar array performance
22 p3637 N91-30236
KEINIGS, R. K.
Predicted Bremsstrahlung generation by energetic electron beams
[DE91-007164] 11 p1797 N91-19858
KEIPERT, S. J.
Dual cure photocatalyst systems
[DE91-014174] 21 p3490 N91-29369
KEISER, J.
Erosion studies on a Fe3Al-based iron aluminide and 1100 Al
[DE91-012529] 20 p3317 N91-28360
KEISER, J. R.
Material behavior during solid particle erosion of annealed 1100 aluminum
[DE90-012593] 22 p3649 N91-30310
Initial determination of the micromechanical properties of oxide scales
[DE90-012164] 23 p3817 N91-31291
KEISER, JOSEPH T.
Quantitative analysis of ice films by near-infrared spectroscopy 04 p0595 N91-13323
KEITH, T. G.
Thermal modeling of a Ni-H2 battery cell
[NASA-CR-188538] 17 p2768 N91-25319
KEITH, T. G., JR.
Extension of transonic flow computational concepts in the analysis of cavitated bearings
[NASA-TM-103214] 08 p1145 N91-16304
A laser-induced heat flux technique for convective heat transfer measurements in high speed flows
[NASA-TM-105177] 22 p3677 N91-30472
KEITH, THEO G., JR.
Development of a laser-induced heat flux technique for measurement of convective heat transfer coefficients in a supersonic flowfield
[NASA-TM-103778] 11 p1643 N91-19063
Cascade flutter analysis with transient response aerodynamics
[NASA-TM-103746] 11 p1721 N91-19475
KEIZMAN, YAACOV
Numerical solution of a moving boundary problem as a model solution for a solar pipe
[ITN-91-85143] 20 p3344 N91-28516
KELAITA, PAUL G.
FAST: A multi-processed environment for visualization of computational fluid 14 p2355 N91-23024
KELBEL, D. A.
Ionospheric refraction effects on orbit determination using the orbit determination error analysis system
09 p1288 N91-17082
KELBLE, C.
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061
KELEMEN, MATEI
Modeling and feedback control of a flexible arm for prescribed frequency-domain tolerances
[MEMO-868] 04 p0571 N91-13167
KELKAR, S.
FEHMN 1.0: Finite element heat and mass transfer code
[DE91-011347] 17 p2847 N91-25737
KELLAS, SOTIRIS
Strength scaling in fiber composites
[NASA-CR-4335] 03 p0376 N91-12104
KELLEHER, A.
Temperature compensation of PMOS dosimeters
24 p3996 N91-32336
KELLER, A.
Thermal analysis for the examination and determination of processing conditions for structural fiber composite materials and bonding agents in air and space navigation
[MBB-Z-0344-90-PUB] 22 p3645 N91-30288
KELLER, BIRGIT
Photobiological investigations on spores of Streptomyces griseus
[DLR-FB-91-14] 24 p4072 N91-32748
KELLER, DONALD F.
Span reduction effects on the flutter characteristics of arrow-wing supersonic transport configurations
[NASA-TP-3077] 13 p2023 N91-21127
KELLER, JAMES M.
Experiments on neural network architectures for fuzzy logic 13 p2141 N91-21787
KELLER, JULIE RIEDEL
A normative data study of isometric neck strength in healthy, adult males, ages 18-35
[AD-A224642] 03 p0394 N91-12189
KELLER, K.
Multiwall thermal protection system engineering aspects 03 p0331 N91-11847
KELLER, R.
Experimental study of the electrolysis of silicate melts
16 p2594 N91-24372
Electrolysis of lunar soil to produce oxygen and metals 17 p2901 N91-26023
KELLER, R. A.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264
KELLER, RUDOLF
Electrolytic production of oxygen from lunar resources
24 p4036 N91-32550
KELLER, STEVE
The Assistant for Specifying the Quality Software (ASQS). Volume 1: Operational concept document
[AD-A227893] 08 p1202 N91-16608
The Assistant for Specifying the Quality Software (ASQS). Volume 2: User's manual. Volume 2
[AD-A227894] 08 p1202 N91-16609
KELLER, TEDDY M.
Phthalonitrile monomers containing imide and/or phenoxy linkages, and polymers thereof
[AD-D014577] 07 p0983 N91-15397
KELLER, TONY S.
Skeletal adaptation in altered gravity environments
11 p1746 N91-19603
KELLERMANN, KENNETH I.
Radio astronomy 24 p4119 N91-33018
KELLETT, M. G.
The RAE generic VSTOL aircraft model: GVAM87 documentation guide
[RAE-TM-FM-38] 09 p1277 N91-17018
KELLEY, ANTHONY D.
Support for thermally expanding conical heatshield
[AD-D014718] 12 p1861 N91-20225
KELLEY, DAVID L.
Next generation: In-space transportation system(s)
20 p3293 N91-28211
KELLEY, HENRY L.
Aerodynamic effect of strakes on two-dimensional tail boom models of the OH-58A and the OH-58D helicopters
[NASA-TM-4248] 05 p0614 N91-13406
Process for bonding elastomers to metal
[NASA-CASE-LAR-13645-1] 20 p3327 N91-28424
KELLEY, JOE
Space transfer vehicles and space basing
20 p3300 N91-28254
KELLEY, M. C.
The collective gyration of a heavy ion cloud in a magnetized plasma
[NASA-CR-187823] 22 p3757 N91-30943
KELLEY, MARIE-LOUISE
Hypersonic vehicle simulation model: Winged-cone configuration
[NASA-TM-102610] 04 p0487 N91-12705
KELLEY, MICHAEL C.
Study of plasma waves and wave particle interactions in space
[AD-A227539] 09 p1362 N91-17488
KELLEY, N. D.
A discussion of the results of an in-situ comparison of three full-vector anemometers
[DE91-002113] 06 p0827 N91-14572
KELLEY, PAUL L.
Analysis of nonlinear optical frequency conversion
[AD-A233726] 18 p3063 N91-26920
KELLEY, THOMAS A.
Transionospheric Propagation Code (TIPC)
[DE91-002435] 05 p0648 N91-13597
KELLIHER, WARREN C.
Chemical spray pyrolysis of Tl-Ba-Ca-Cu-O high-T(sub c) superconductors for high-field bitter magnets
13 p2039 N91-21212
KELLMAN, A. G.
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
KELLMAN, MICHAEL E.
Chaotic spectra of small molecules
[AD-A231638] 13 p2151 N91-21859
KELLNER, A.
MARS: A generic mission planning tool
14 p2215 N91-22238
KELLNER, ALBERT L.
Research on materials and components for opto-electronics signal processing and computing
[AD-A230071] 12 p1980 N91-20895
KELLY, C. M.
Operations management system
09 p1280 N91-17036
KELLY, CHRISTINE M.
A failure management prototype: DR/Rx
12 p1942 N91-20684
A failure recovery planning prototype for Space Station Freedom 14 p2314 N91-22778
KELLY, D. A.
Attitude determination and calibration using a recursive maximum likelihood-based adaptive Kalman filter
09 p1290 N91-17088
KELLY, G.
Preliminary calibration of a generic scramjet combustor
[NASA-CR-187539] 13 p2025 N91-21139
KELLY, H. NEALE
Design, fabrication, and tests of a metallic shell tile thermal protection system for space transportation
[NASA-TM-101537] 16 p2566 N91-24229
KELLY, J.
Strength and microstructure of ceramics
[AD-A235424] 18 p2966 N91-26374

KELLY, J. G.
Measured silicon displacement damage ratios support the need to replace the ASTM E-722 damage function with the NJOY calculated function
[DE90-016225] 01 p0129 N91-10762
KELLY, JEFFREY J.
Signal processing of aircraft flyover noise
[NASA-CR-187546] 16 p2681 N91-24845
KELLY, JONATHAN E.
OPTIC: Orbiting Plutonian Topographic Image Craft proposal for an unmanned mission to Pluto
08 p1102 N91-16049
KELLY, M.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
KELLY, M. D.
Hot isostatic pressing of high performance glass-ceramic to nickel- and iron-based metal components
[DE91-008130] 11 p1684 N91-19281
KELLY, M. J.
Oxidized porous silicon moisture sensors for evaluation of microelectronic packaging
[DE91-011322] 17 p2770 N91-25331
Silicon micromachining based on porous silicon formation
[DE91-013744] 23 p3851 N91-31472
KELLY, M. M.
Technology transfer needs assessment, 1990
[PB91-125674] 13 p2171 N91-21985
KELLY, P. M.
Climate system research
[DE91-001779] 07 p1027 N91-15635
Climate research system
[DE91-016903] 24 p4070 N91-32742
KELLY, PATRICK
End-to-end remote sensing at the Science and Technology Laboratory of John C. Stennis Space Center
17 p2797 N91-25473
KELLY, PATTIE L.
The effects of character size, modulation, polarity, and font on reading and search performance in matrix-addressable displays
[AD-A235033] 18 p3077 N91-27007
KELLY, ROBERT D.
A comparison of surface sensible and latent heat fluxes from aircraft and surface measurements in FIFE 1987
[NASA-CR-187365] 03 p0383 N91-12136
KELLY, S. M.
Requirements for a network storage service
[DE91-014106] 20 p3389 N91-28778
Benchmarking a Network Storage Service
[DE91-013510] 23 p3916 N91-31868
KELLY, T.
Sleep logs: Measurement of individual and operational efficiency
[AD-A239774] 23 p3900 N91-31770
KELLY, TAMSIN L.
Napping, stimulant, and four choice performance
[AD-A230366] 12 p1929 N91-20615
KELLY, THOMAS JEROME
A gravitationally consistent second-order analytic secular solution for the point-mass motion of the eight principal planets 18 p3084 N91-27054
KELLY, W. M.
Assessment of p-metallisations for high power GaAs laser diodes 24 p3994 N91-32316
KELLY, WILLIAM
Artificial intelligence for command and control
[AD-A229342] 22 p3740 N91-30834
KEMMOCHI, KIYOSHI
A study on prediction of life due to creep behavior in CF/EPOXY and CF/PEEK laminates
11 p1674 N91-19226
Tension-tension and delamination fatigue properties of CF/Epoxy laminates 12 p1861 N91-20227
KEMNA, G. J. M.
Test procedure frequency multiplier 583R936H03/H04
[FEL-90-A089] 05 p0654 N91-13636
KEMP, P. R.
Modeling the response of plants and ecosystems to global change
[DE91-017403] 24 p4042 N91-32587
KEMP, VICTORIA R.
Real-time failure control (SAFD)
[NASA-CR-184025] 02 p0220 N91-11233
KEMP, WILLIAM B., JR.
User's guide to PANCOR: A panel method program for interference assessment in slotted-wall wind tunnels
[NASA-CR-187479] 08 p1099 N91-16033
Description and evaluation of an interference assessment for a slotted-wall wind tunnel
[NASA-CR-4352] 13 p2028 N91-21155
KEMPF, G.
Development of undercarriage design loads
20 p3283 N91-28153
KEMPF, KARL
Exploiting local flexibility during execution of pre-computed schedules
[AD-A230114] 12 p1994 N91-20978
KEMPKA, S. N.
Computational fluid dynamics for defect control in semiconductor processing
[DE91-011234] 17 p2873 N91-25893
KEMPTON, J. R.
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
KENDALL, DEWAYNE
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
KENDALL, JAMES M., JR.
Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU]
05 p0659 N91-13658
KENDALL, K. R.
Development of an electrostatic propulsion engine using sub-micron powders as the reaction mass
17 p2907 N91-26055
KENDALL, R. A.
Modeling molecular processes in the environment
[DE91-013790] 20 p3370 N91-28671
KENDIG, M. W.
XANES investigation of pH effects during cerium-sealing of anodized aluminum
[DE91-008101] 11 p1688 N91-19302
XANES (X ray Absorption Near Edge Structure) investigation of cerium as an inhibitor for Al alloys
[DE91-005542] 13 p2052 N91-21293
KENG, NAIPING
Exploiting local flexibility during execution of pre-computed schedules
[AD-A230114] 12 p1994 N91-20978
KENGLA, CHARLES A.
Cooperative ADS/AAS integration
24 p3958 N91-32120
KENIK, E. A.
Application of electron energy loss spectroscopy to microanalysis of irradiated stainless steels
[DE91-009913] 20 p3314 N91-28344
Materials science applications of a 120 kV FEG TEM/STEM: Triskaidekaphilia
[DE91-010136] 21 p3518 N91-29536
KENKEREMATH, DEEPAK C.
Geothermal Development Opportunities in Developing Countries
[DE90-017613] 04 p0543 N91-13013
KENKRE, V. M.
Microwave enhanced diffusion?
[DE91-013312] 20 p3326 N91-28415
KENNARD, J. M.
Geological and Geophysical Studies in the Amadeus Basin, Central Australia, Bulletin 236
[BMR-BULL-236] 19 p3191 N91-27647
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
Sequence stratigraphy of the latest Proterozoic-Cambrian Pertaoorrta Group, northern Amadeus Basin, central Australia
19 p3194 N91-27660
Lower Cambrian archaeocyathan buildups, Todd River Dolomite, northeast Amadeus Basin, central Australia: Sedimentology and diagenesis 19 p3194 N91-27661
KENNAWAY, J. R.
An infinitary Church-Rosser property for non-collapsing orthogonal term rewriting systems
[CWI-CS-R9043] 17 p2833 N91-25653
Transfinite reductions in orthogonal term rewriting systems
[CWI-CS-R9041] 17 p2844 N91-25720
Transfinite reductions in orthogonal term rewriting systems (extended abstract)
[CWI-CS-R9042] 17 p2844 N91-25721
KENNEALY, J. P.
Specification of IRAS confused regions
[AD-A230568] 12 p2007 N91-21048
Analysis of IR celestial survey experiment
[AD-A235997] 19 p3226 N91-27831
KENNEALY, JOHN P.
CBSD version 2 component models of the IR celestial background
[AD-A235372] 18 p3083 N91-27048
KENNEDY, E. J.
Radiation effects on JFETs (Junction Field-Effect Transistors), MOSFETs, and dipolar transistors, as related to SSC circuit design
[DE91-001486] 05 p0652 N91-13618
Monolithic front end electronics for silicon calorimeters
[DE91-012063] 20 p3338 N91-28484
KENNEDY, ERIC M.
The environment power system analysis tool development program 09 p1405 N91-17734
KENNEDY, ERIC MILES
Synthesis, characterization and catalytic activity of microporous aluminophosphate catalysts
08 p1109 N91-16092
KENNEDY, FRED
Project Artemis 10 p1478 N91-18141
KENNEDY, J. R.
Effect of thermal exposure, forming, and welding on high-temperature, dispersion-strengthened aluminum alloy: Al-8Fe-1V-2Si
[NASA-CR-187575] 24 p3974 N91-32200
KENNEDY, JOHN GERARD
Inelasticity and mixed variational methods in classical continua and geometrically exact shells
17 p2789 N91-25434
KENNEDY, JOHN M.
Technical communications in aerospace: An analysis of the practices reported by US and European aerospace engineers and scientists
[NASA-TM-103441] 05 p0730 N91-14079
The NASA/DOD aerospace knowledge diffusion research project: A research agenda
[NASA-TM-103439] 06 p0885 N91-14892
NASA/DOD aerospace knowledge diffusion research project: Report to phase 1 respondents
[NASA-TM-102772] 09 p1423 N91-17835
Summary report to phase 1 respondents including frequency distributions
[NASA-TM-102773] 12 p1996 N91-20988
NASA/DOD aerospace knowledge diffusion research project. Phase 2: Respondents including frequency distributions
[NASA-TM-104063] 14 p2339 N91-22931
NASA/DOD aerospace knowledge diffusion research project. Faculty and student respondents
[NASA-TM-104085] 16 p2698 N91-24943
NASA/DoD aerospace knowledge diffusion research project. Phase 3: Faculty and student respondents including frequency distributions
[NASA-TM-104086] 17 p2885 N91-25950
NASA/DoD aerospace knowledge diffusion research project: The DoD perspective
[NASA-TM-101746] 19 p3260 N91-28033
NASA/DoD aerospace knowledge diffusion research project: Phase 3 academic library respondents including frequency distributions
[NASA-TM-104095] 24 p4117 N91-33013
KENNEDY, LAURA SCOTT
The initiation and termination of persistent atmospheric phenomena in a low-order spectral model
03 p0390 N91-12170
KENNEDY, MIKE O.
System engineering of aerospace and advanced technology programs at an astronautics company (record of study) 01 p0032 N91-10192
KENNEDY, R. M.
Statistical properties of the sea surface sound dipole source
[AD-A230811] 13 p2124 N91-21688
Relating ocean acoustic ambient to ocean surface dynamics
[AD-A237167] 21 p3545 N91-29699
KENNEDY, R. S.
Users manual for the Automated Performance Test System (APTS)
[NASA-CR-185631] 04 p0556 N91-13081
KENNEDY, RALPH G.
Project Cerberus: Flyby mission to Pluto
08 p1101 N91-16048
KENNEPOHL, F.
Aircraft engine noise 03 p0308 N91-11719
KENNER, I.
Is physiological tremor (microvibration) influenced by microgravity 11 p1745 N91-19595
KENNEY, J. D.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
KENNEY, M. J.
Nonphotochemical hole burning and dispersive kinetics in amorphous solids
[DE91-000668] 07 p0985 N91-15406
KENNEY, W. J.
Light weight, high field, stable, superconducting magnets for advanced transportation systems
[DE91-013667] 20 p3394 N91-28814
KENNICUTT, R. C., JR.
Spatially resolved optical and near infrared spectroscopy of I Zw 18 05 p0745 N91-14154
Gravitational star formation thresholds and gas density in three galaxies 05 p0757 N91-14210
KENNICUTT, ROBERT C., JR.
Global effects of interactions on galaxy evolution
08 p1253 N91-16897

KENNINGTON, JEFFERY L.
Efficient algorithms for the solution of problems on networks in the parallel computing environment
[AD-A227286] 07 p1052 N91-15778
KENNISON, W.
A parallel non-neural trigger tracker for the SSC
[DE91-008594] 19 p3243 N91-27938
KENNY, BARBARA H.
Preliminary design of a mobile lunar power supply
[NASA-TM-104471] 19 p3185 N91-27611
KENNY, SEAN P.
Active damping application to the shuttle RMS
[NASA-TM-102763] 11 p1720 N91-19471
KENNY, T. W.
A novel electron tunneling infrared detector
06 p0795 N91-14391
Electron tunnel sensor technology
14 p2362 N91-23067
KENSKY, E. THOMAS
Multi-system laser safety shutter controller
[AD-A229280] 09 p1342 N91-17372
KENT, G.
The new FIRE cloud lidar at Langley Research Center
01 p0081 N91-10482
KENT, GLENN A.
First-strike stability and strategic defenses. Part 2: A methodology for evaluating strategic forces
[AD-A231524] 14 p2321 N91-22820
KENT, S. S.
Interagency telemetry arraying for Voyager-Neptune encounter 03 p0355 N91-11982
A carrier-arraying demonstration at Goldstone for receiving Pioneer 11 signals 24 p3987 N91-32273
KENWARD, P. D.
Approved Ada uniformity issues
[NPL-DITC-172/91] 24 p4083 N91-32809
KENYON, CHRISTOPHER S.
Mobility of nonequilibrium conduction electrons in air
[AD-A224909] 03 p0416 N91-12325
KENYON, R. V.
MIT/Canadian vestibular experiments on the Spacelab-1 mission. Part 1: Sensory adaptation to weightlessness and readaptation to one-g: An overview
17 p2821 N91-25587
KENYON, S. J.
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
KEOUGH, I. A.
The effect of post-cure and antimony trioxide addition on the glass transition of polyester and vinyl ester resin systems
[AD-A232523] 15 p2406 N91-23325
KEPES, PAUL
The Copernicus project 08 p1102 N91-16052
KEPHART, J.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941
KEPLER, KEITH D.
Strong exchange coupling in lanthanide bis(phthalocyaninato) sandwich compounds
[AD-A234466] 18 p3068 N91-26951
KEPLEY, JEFFERY A.
Estimation of evoked fields using a time-sequenced adaptive filter with the modified P-vector algorithm
[AD-A230474] 12 p1929 N91-20618
KEPNER, J.
Canonical vs. micro-canonical sampling methods in a 2D Ising model
[DE91-010204] 15 p2482 N91-23737
KEPPEL, JEAN
The diffuse ionized interstellar medium perpendicular to the plane of NGC 891 05 p0746 N91-14160
KEPPLER, E. E.
Materials/microstructures characterization
[AD-A233751] 18 p2953 N91-26295
KEPPLER, PETER
Monocrystal growth from high liquescent metals under ultrahigh vacuum 14 p2334 N91-22902
KERAGHEL, ABDELKRIM
Adaptive and comparative study of the main variations of Karmarkar's algorithm
[ETN-90-98198] 04 p0566 N91-13145
KERAUS, R.
New accurate, vectorized approximations of state surfaces for the thermodynamic and transport properties of equilibrium air
[MBB/FE122/S/PUB/0389] 06 p0884 N91-14886
KERBACHER, JAMES J.
Interaction of ionizing radiation, genetically active chemicals, and radiofrequency radiation in human and rodent cells
[AD-A234747] 18 p3021 N91-26677
KERBOUL, C.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842
KERCEL, S. W.
Coupling to large-core fibers
[DE91-010811] 17 p2864 N91-25838
KERCHEN, P.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671
KERCHER, J. R.
Ozone and acid-precipitation on western coniferous forests
[DE90-011014] 08 p1174 N91-16462
TREE: A model of the effects of acid precipitation and air pollutants on the growth of trees
[DE91-014131] 20 p3371 N91-28672
KERCHNER, H. R.
Ac susceptibility of superconductive thin films
[DE91-015273] 21 p3594 N91-29993
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
KERELIUK, S.
An investigation into the use of side-arm control for civil rotorcraft applications 15 p2372 N91-23123
Determination of decision-height windows for decelerating IMC approaches in helicopters
15 p2372 N91-23124
Decision-height windows for decelerating approaches in helicopters: Pilot/vehicle factors and limitations
[DOT/FAA/CT-90/14] 19 p3103 N91-27145
An investigation into the use of side-arm control for civil rotorcraft applications
[AD-A226628] 21 p3460 N91-29190
KERGOMARD, C.
Using satellite remote sensing imagery for marginal ice zone research in the ARCTEMIZ project
15 p2454 N91-23600
KERKVLIET, S.
Fertilization of Xenopus eggs in space
11 p1750 N91-19624
KERLAU, J.
Principle and realization of the instrument used for the CIRCE experiment on board the Mir station
11 p1760 N91-19684
KERLEY, G. I.
Hypervelocity launch capabilities to over 10.4 km/s
[DE91-010859] 18 p2934 N91-26186
Sandia's new hypervelocity launcher (HVL)
[DE91-014335] 20 p3287 N91-28178
Launch capabilities to over 10 km/s
[DE91-014657] 21 p3463 N91-29203
Shock-vaporization studies on zinc and porous carbon
[DE91-017846] 24 p3980 N91-32233
User's manual for PANDA 2: A computer code for calculating equations of state
[DE91-017717] 24 p4088 N91-32843
KERLEY, JAMES J.
Compliant joint
[NASA-CASE-GSC-13153-1] 09 p1345 N91-17387
Compliant walker
[NASA-CASE-GSC-13348-2] 21 p3548 N91-29714
KERLEY, JAMES J., JR.
Robot cable-compliant devices
[NASA-CASE-GSC-13127-1] 09 p1345 N91-17388
KERMATH, DON
Life cycle management automation programmer's manual
[AD-A232247] 15 p2487 N91-23769
Life cycle management automation user's manual, version 1.1
[AD-A232096] 15 p2520 N91-23968
KERMODE, A. W.
Design concepts and performance of NASA X-band (7162 MHz/8415 MHz) transponder for deep-space spacecraft applications 10 p1513 N91-18328
KERN, ALEXANDER
Simulation and measurement of melting effects on metal sheets caused by direct lightning strikes
24 p4053 N91-32644
KERN, RICHARD P.
Techniques to aid DoD writers in developing user-oriented directives
[AD-A229962] 12 p1997 N91-20991
KERN, W.
Scheduling jobs on parallel machines, each with a unit-capacity buffer
[MEMO-837] 04 p0568 N91-13153
Some order dimension bounds for communication complexity problems
[MEMO-839] 04 p0574 N91-13192
On learnability of monotone DNF functions under uniform distribution
[MEMO-863] 04 p0575 N91-13196
Modular substructures in pseudomodular lattices
[MATHS-MEMO-887] 10 p1581 N91-18701
Computational complexity of some maximum average weight problems with precedence constraints
[MATHS-MEMO-899] 10 p1581 N91-18707
KERN, WALTER
Some order dimension bounds for communication complexity problems
[MEMO-938] 23 p3854 N91-31489
Classes of feedforward neural networks and their circuit complexity
[MEMO-920] 23 p3918 N91-31881
Learning convex bodies under uniform distribution
[MEMO-918] 23 p3922 N91-31910
KERNS, S.
Radiation damage testing of transistors for SSC front-end electronics
[DE91-005440] 09 p1328 N91-17294
KERR, J. A.
SOS material improvement for post total dose, radiation induced leakage reduction 24 p3999 N91-32353
KERR, JAMES
Silver lined ceramic vessel and method of preparation
[AD-D014953] 24 p3978 N91-32224
KERR, JOHN C. H.
Polymer battery studies 14 p2248 N91-22437
KERR, L. J.
Preliminary flight evaluation of an engine performance optimization algorithm
[NASA-TM-4328] 24 p3962 N91-32140
KERR, Y.
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
KERRICK, DAVID MICHAEL
An investigation of the Newman-Penrose constants for massless free fields of arbitrary spin
02 p0291 N91-11630
KERRISK, J. F.
Comparisons between fast shock tube calculations and tests
[DE91-013496] 20 p3287 N91-28177
KERSCHEN, EDWARD J.
Influence of vane sweep on rotor-stator interaction noise
[NASA-CR-187052] 09 p1394 N91-17671
Leading-edge receptivity for blunt-nose bodies
[NASA-CR-188063] 12 p1828 N91-20047
KERSEY, ALAN D.
Improved inline fiber optic sensor arrays
[AD-D014864] 18 p3063 N91-26924
KERSEY, WILLIAM T.
A comparison of manual scaled and predicted foE and foF1 critical frequencies
[AD-A235551] 19 p3199 N91-27685
KERSHAW, J.
Dependable systems using VIPER
04 p0483 N91-12690
KERSHAW, JOHN
VIPER project 09 p1378 N91-17573
KERSLAKE, S. D.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405
KERSLAKE, T. W.
Ground test program for a full-size solar dynamic heat receiver
[NASA-TM-104485] 19 p3115 N91-27209
KERSLAKE, THOMAS W.
Multi-dimensional modeling of a thermal energy storage canister
[NASA-TM-103731] 11 p1665 N91-19177
Full-size solar dynamic heat receiver thermal-vacuum tests
[NASA-TM-104486] 17 p2744 N91-25184
KERST, D. W.
The Madison symmetric torus
[DE90-010306] 08 p1226 N91-16757
KERSTEIN, L.
Guideline for orbital service technology (LOS)
[MBB-UO-0083-90-PUB] 03 p0321 N91-11794
KERSTEN, M. L.
Logging and recovery in PRISMA
[CWI-CS-R9049] 17 p2833 N91-25657
Performance analysis of a dynamic query processing scheme
[CWI-CS-R9050] 17 p2833 N91-25658
KERSTEN, PAUL H. M.
Nonlocal symmetries and recursion operator of the Landau-Lifshitz equation
[MATHS-MEMO-891] 10 p1581 N91-18704
The Lie-Baecklund algebra for the generalized Hilbert-Cartan equation
[MATHS-MEMO-897] 10 p1581 N91-18706

KERSTEN, R. T.
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525
Preparation of damage resistant optical coatings on flat substrates
[DE91-013588] 21 p3580 N91-29916
KERZIC, TRAVIS
The mGA1.0: A common LISP implementation of a messy genetic algorithm
[NASA-CR-187260] 04 p0557 N91-13084
KESKINEN, M. J.
Theory of large-scale HF heating processes in the unstructured and structured ionosphere
10 p1548 N91-18516
KESMODEL, L. L.
Vibrational spectroscopy of ordered oxygen adlayers on Ni/Cu(001) and Co/Cu(001) thin film systems
[AD-A235921] 19 p3125 N91-27265
Catalytic activity of model Pt/Al2O3 catalysts: The role of chlorine
[AD-A235946] 19 p3125 N91-27266
HREELS studies of Al adsorption on Si(111)
[AD-A235960] 19 p3253 N91-27994
High resolution electron energy loss studies of surface vibrations
[DE91-014539] 21 p3599 N91-30024
KESSELMAN, M.
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
KESSLER, ERAN
Rapid prototyping for embedded computer systems
[ITN-90-85052] 07 p1041 N91-15710
KESSLER, M. F.
The Infrared Space Observatory (ISO)
10 p1618 N91-18923
KESSLER, W. J.
Vibrationally assisted transfer laser
[AD-A235479] 19 p3171 N91-27532
KESTNER, NEIL R.
Theoretical studies of highly energetic CBES materials
[AD-A231340] 13 p2058 N91-21329
KETCHAM, THOMAS D.
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788
KETELSEN, DEAN A.
A new fabrication method for precision antenna reflectors for space flight and ground test
[NASA-TP-3078] 13 p2034 N91-21185
KEUNG, C.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614
KEUTHAN, LYNN M.
CAD/CAM feasibility study
[AD-A226403] 07 p1047 N91-15747
KEVORKIAN, J.
Free-electron lasers with very slow wiggler taper
[DE91-001139] 04 p0530 N91-12939
Nonlinear resonance
[DE90-010428] 08 p1151 N91-16341
Perturbation techniques for models of bursting electrical activity in pancreatic (beta)-cells
[DE91-013901] 21 p3548 N91-29715
KEY, J.
Sea ice-atmosphere interaction: Application of multispectral satellite data in polar surface energy flux estimates
[NASA-CR-187376] 05 p0680 N91-13782
Lead detection and mapping with reference to relationships between scale, sensor characteristics, surface conditions and atmospheric properties
[AD-A235121] 18 p3018 N91-26666
KEY, J. F.
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
KEYERIG, YU. YU.
Acid-base balance in men breathing air with raised CO2
19 p3211 N91-27748
KEYES, B. L. P.
Ceramic Technology for Advanced Heat Engines project database
[DE91-007772] 11 p1688 N91-19300
KEYES, DAVID E.
Domain-decomposable preconditioners for second-order upwind discretizations of multicomponent systems
[DE91-004447] 07 p1002 N91-15502
Domain decomposition methods in computational fluid dynamics
[NASA-CR-187529] 13 p2080 N91-21457
Domain decomposition with local mesh refinement
[NASA-CR-187528] 17 p2842 N91-25704
KEYSER, D.
Fronts, jet streams, and the tropopause
[PB90-268277] 09 p1368 N91-17517
KHABIBRAKHMANOV, I. KH.
Solitary vortices in the vicinity of comets
06 p0918 N91-15062
Detection of nonlinear features in plasma and field measurements by PROGNOZ-8
06 p0918 N91-15063
Gradient catastrophe of the supersonic mass-loaded magnetised plasma flow and the formation of bow shock
06 p0918 N91-15065
KHACHIKIAN, E. YE.
A study of the compact group of galaxies Shahbazian 4
08 p1249 N91-16877
KHALDEEVA, I. V.
On the primary cosmic ray nuclei spectra behaviour in the 10(exp 16) eV energy region
06 p0919 N91-15069
KHALFAN, H.
A theoretical and experimental study of the symmetric rank one update
[AD-A233965] 18 p3039 N91-26777
KHALID, ATA-UL-HABIB
Capture cross section measurements on deep levels in semiconductors
[PB91-130146] 16 p2693 N91-24910
KHALID, M.
A summary of transonic natural laminar flow airfoil development at NAE
[AD-A225102] 03 p0301 N91-11679
KHALSA, SIRI JODHA SINGH
A cloud classification scheme applied to the breakup region of marine stratocumulus
01 p0084 N91-10497
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987
01 p0092 N91-10534
Stability criteria for stratocumulus-topped boundary layers evaluated through conditional sampling of turbulence elements
[AD-A228433] 08 p1187 N91-16526
KHAN, Z. H.
Photoelectron spectroscopy via electronic spectroscopy of molecular ions
[DE91-617734] 16 p2684 N91-24861
KHANDELWAL, GOVIND S.
Inclusive inelastic scattering of heavy ions and nuclear correlations
[NASA-TP-3026] 05 p0714 N91-13985
KHANNA, R. K.
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191
KHARE, A. N.
Issues in developing parallel iterative algorithms for solving partial differential equations on a (transputer-based) distributed parallel computing system
[DE91-622927] 17 p2837 N91-25681
KHARE, BISHUN N.
Optical constants of kerogen from 0.15 to 40 microns: Comparison with meteoritic organics
[NASA-CR-187825] 07 p1083 N91-15957
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191
KHATRI, SUBHASH CHANDRA
Mechanical property enhancement of thicker section thermoplastic composites by hybridization
09 p1304 N91-17154
KHATTAR, MUKESH K.
Heat tube device
[NASA-CASE-KSC-11395-1-CU]
13 p2082 N91-21473
KHATTATOV, V. U.
ECC ozonesonde observations at Mirny, Antarctica, during 1989
[PB90-252024] 04 p0544 N91-13018
KHAVARAN, ABBAS
Noise measurements from an ejector suppressor nozzle in the NASA Lewis 9- by 15-foot low speed wind tunnel
[NASA-TM-103628] 02 p0266 N91-11493
KHAVENSON, N. G.
Long-term and short-term planning of x ray and gamma observations on board the Earth satellites
14 p2213 N91-22228
KHAVRONIN, V. P.
Higher harmonics of magnetization in the critical state of ceramic high Tc superconductors
[DE91-615506] 11 p1810 N91-19944
KHAYAT, M. I.
Pressure dynamics modeling for the design of the advanced neutron source reactor
[DE91-007860] 15 p2506 N91-23883
KHAYRUTDINOV, R. R.
Toroidal plasma reactor with low external magnetic field
[DE91-011522] 17 p2869 N91-25870
KHEBLIR, AHMED
Asymptotic and absorbing boundary conditions for finite element analysis of digital circuit and scattering problems
[AD-A229564] 22 p3666 N91-30414
KHELAIF, JASER
Surface layer transfer processes over vegetation: A micrometeorological field experiment of long duration
15 p2466 N91-23664
KHEMTHONG, S.
Optimization and performance of Space Station Freedom solar cells 11 p1672 N91-19215
KHLOMENOK, P. N.
Experimental assessment of effect of head position on center of gravity of human body in ejections seats
10 p1562 N91-18590
KHOBAIB, M.
Elevated temperature crack growth in titanium aluminides
[AD-A227700] 08 p1115 N91-16125
KHODA, K. M.
A generalized Polak-Ribiere algorithm
[MATHS-REPT-A-128] 05 p0703 N91-13918
KHODACHENKO, M. L.
Generation of inductive fields by an oblique magnetic rotator in collisionless plasma 06 p0920 N91-15077
KHOMSKII, D. I.
Orbitals, correlation, valencies in high-T(sub c) superconductors
[DE91-618099] 21 p3591 N91-29977
KHOROMSKIJ, B. N.
Asymptotic estimates of approximation errors by the Galerkin method for one class of quasipotential equations
[DE90-631600] 02 p0263 N91-11471
KHORRAMI, MEHDI R.
On the effects of viscosity on the stability of a trailing-line vortex
[NASA-CR-187500] 10 p1462 N91-18062
KHOSHRAVAN, R.
Evaluation and modeling of delamination under static and cyclic loading 10 p1493 N91-18218
KHOSLA, P. K.
A pressure flux-split technique for computation of inlet flow behavior 13 p2012 N91-21068
Solution of three-dimensional afterbody flow using reduced Navier-Stokes equations
13 p2016 N91-21093
On kinematic design of serial link manipulators
[DE91-009414] 15 p2437 N91-23499
A methodology to determine the dynamic configuration of a reconfigurable manipulator
[DE91-010732] 20 p3354 N91-28576
KHOUNSARY, A. M.
Modeling the performance of water and liquid gallium cooled x ray optical components: A comparison with experiment
[DE90-010460] 08 p1231 N91-16784
KHOUW, BEN
The synthesis of monometallated and unsymmetrically substituted binuclear phthalocyanines and a pentanuclear phthalocyanine by solution and polymer support methods
[AD-A225363] 03 p0345 N91-11934
KHRAISHI, NASSER M.
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
KHRISTOV, I.
Structural changes in vestibular receptors in rats after flight aboard Cosmos-1667 biosatellite
19 p3207 N91-27729
KHRISTOV, T. S.
Amplification of Alfven waves in free shear flows
06 p0919 N91-15074
KHRUSHCHEV, I. YU.
Breakup of femtosecond pulses during amplification in Er(3+)-doped single-mode optical fibers
11 p1788 N91-19812
KHURGIN, J.
Material engineering of novel semiconductor structures
[AD-A235014] 18 p3069 N91-26960
KHURI, N. N.
Experimental studies of elementary particle interactions at high energies
[DE91-006305] 10 p1595 N91-18802
KHUTSISHVILI, E. V.
On some peculiarities of solar differential rotation
06 p0917 N91-15054
KIANG, C. S.
Global and regional environmental atmospheric chemistry
[DE90-016693] 01 p0067 N91-10407

KIBBLER, A.
Radiation hardness of Ga0.5In0.5 P/GaAs tandem solar cells 22 p3638 N91-30243
KIBBLER, A. E.
GaInP2/GaAs tandem cells for space applications 22 p3633 N91-30215
KIBBLEWHITE, EDWARD
Interferometry 24 p4119 N91-33022
KIBENS, VALDIS
Vortex system evolution in 2- and 3-D swept trailing edge flows
[AD-A232692] 15 p2429 N91-23453
KICHINSKI, R.
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
KIDA, SHIGEO
Log-stable distribution of energy dissipation in turbulence 20 p3407 N91-28885
KIDA, TAKASHI
On system identification using Hankel matrices by the time domain approach
[NAL-TR-1084] 17 p2832 N91-25645
KIDDER, PAUL W.
An improved compression molding technology for continuous fiber reinforced composite laminate. Part 1: AS-4/LaRC-TPI 1500 (HFG) Prepreg system
[NASA-CR-187572] 19 p3136 N91-27329
KIDNEY, KEVIN
Solar reflector soiling pattern distributions and reflectance measurement requirements
[DE89-009431] 10 p1540 N91-18476
KIDO, GIYUU
Development of wire and coil designing for high-magnetic field generation 19 p3249 N91-27972
KIECKHAFER, ROGER M.
MAFT: The Multicomputer Architecture for Fault-Tolerance 09 p1376 N91-17563
KIEFER, JUERGEN
Biological action of single accelerated heavy ions on individual yeast cells 11 p1760 N91-19683
Mutation induction in dried yeast cells after irradiation with selected UVC- and UVB- wavelengths compared to simulated sunlight 11 p1760 N91-19686
Potentials, message and challenges of life science research in space 11 p1762 N91-19696
KIEFER, M. L.
A method for computing fields near the origin of a cylindrical coordinate system in time domain finite-difference electromagnetic simulations
[DE91-015431] 21 p3501 N91-29433
KIEFER, RICHARD L.
The effects of the space environment on two aramid materials 04 p0596 N91-13324
The effects of the interaction of polymeric materials with the space environment
[NASA-CR-188659] 19 p3137 N91-27331
KIEFFER, ARTHUR W.
Automatic control study of the icing research tunnel refrigeration system
[NASA-TM-4257] 11 p1654 N91-19115
KIEFFER, JONATHAN
Straddle design of spiral bevel and hypoid pinions and gears
[NASA-TM-103621] 06 p0833 N91-14602
KIEFFER, JONATHAN CHARLES
Selected topics in mechanisms and robotics: Singularities, inverse kinematics, and collision detection 20 p3357 N91-28598
KIEHNE, NORBERT
National German handling of space travel projects and access possibilities to space travel tasks 04 p0491 N91-12730
KIERAS, DAVID E.
The computerized comprehensibility system maintainer's guide
[AD-A229123] 09 p1422 N91-17830
KIERKWOOD, SHEILA
Electrodynamics of the auroral E region
[IRF-SR-205] 07 p1029 N91-15648
KIERNAN, MICHAEL T.
A physical model for the acousto-ultrasonic method
[NASA-CR-185294] 04 p0534 N91-12962
KIERSTEAD, J. A.
Radiation damage studies on hybrid preamplifiers
[DE91-008411] 11 p1699 N91-19359
Thermoluminescence kinetics of pyrite (FeS2)
[DE91-011710] 18 p3074 N91-26990
KIESS, M.
Reduced lymphocyte activation in space: Role of cell-substratum interactions 11 p1750 N91-19621
KIESSLING, FRITZ
Aeroelastics and dynamics of wind turbines 02 p0159 N91-10923
Aeroelastic flutter prevention in gliders and small aircraft
[DLR-MITT-91-03] 24 p3962 N91-32142
KIESTER, A. ROSS
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684
KIGAWA, SEIICHIRO
Influence of the polar atmosphere on the image mapping using earth edge date 16 p2649 N91-24663
KIGGANS, J. O.
Microwave sintering of zirconia-toughened alumina composites
[DE91-007185] 10 p1501 N91-18262
Microstructure development during microwave annealing of dense silicon nitride
[DE91-012069] 18 p2944 N91-26242
Characterization of silicon nitride synthesized by microwave heating
[DE91-012219] 20 p3323 N91-28397
Fabrication of silicon nitride ceramics by microwave heating
[DE91-015312] 21 p3491 N91-29373
KIGHTLEY, P.
The growth of epitaxial GaAs and GaAlAs on silicon substrate by MOVPE
[AD-A225743] 04 p0587 N91-13277
KIHARA, MASAMI
Time concurrency/phase-time synchronization in digital communications networks 17 p2856 N91-25789
KIKUCHI, KAZUO
Unsteady flow analysis in two-dimensional compressor cascade 24 p3947 N91-32064
Navier-Stokes computations of three-dimensional turbine cascade flows 24 p3948 N91-32068
Application of 3-D Navier-Stokes computation to turbine vane design 24 p3948 N91-32069
KIKUCHI, M.
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373
KIKUNO, EIJI
Verification of 2D-viscous flow simulation codes using airfoil with very small leading edge radius 04 p0468 N91-12625
KILCHERT, L.
Aircraft standstill, requirements for ground handling from the point of view of aircraft operation 11 p1653 N91-19109
KILFORD, R. J.
Problems in converting civil aircraft to the military tanker role 10 p1466 N91-18087
KILGORE, JAMES A., JR.
A simple technique for displaying WDB-2 digital cartographic imagery in KEE
[AD-A235800] 19 p3184 N91-27606
KILGORE, ROBERT A.
Cryogenic wind tunnels: A comprehensive, annotated bibliography
[NASA-TM-4273] 12 p1845 N91-20143
KILGORE, WILLIAM A.
Comparison of digital controllers used in magnetic suspension and balance systems
[NASA-CR-182087] 07 p0989 N91-15425
KILGUS, U.
Prospects of CsJ(Tl)-photodiode detectors for low level spectroscopy
[MPI-PAE/EXP.EL-228] 05 p0714 N91-13984
KILIAN, FRANTZ-PETER
Materials selection and structures for plasma accelerators in electrothermal guns
[MBB-Z-0303-90-PUB] 04 p0584 N91-13259
KILKENNY, J.
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252
KILKENNY, J. D.
Multiframe x ray images from a single meander stripline coated on a microchannel plate
[DE90-010741] 08 p1131 N91-16224
Time response of fast-gated microchannel plates used as x ray detectors
[DE91-006243] 09 p1330 N91-17308
Measurements with a 35 psec gate time microchannelplate camera
[DE91-006701] 11 p1707 N91-19400
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385
Planar indirect-drive Rayleigh-Taylor experiments on Nova
[DE91-011967] 18 p3067 N91-26943
Large growth Rayleigh-Taylor experiments on Nova
[DE91-012885] 20 p3418 N91-28955
KILLBERG, C. G.
The development of avionics-intensive, multi-sensor cockpits: Simulation does not always equal success 07 p1047 N91-15746
KILLEEN, TIMOTHY L.
Collaborative studies of polar cap ionospheric dynamics
[AD-A229153] 09 p1365 N91-17502
Development of a Vector Spherical Harmonic (VSH) model of the neutral thermosphere
[AD-A234744] 18 p3012 N91-26631
KILLIAN, KENDRICK
CAD tools for detector design
[DE90-017337] 02 p0254 N91-11412
KILLINGER, A.
Comparison between the interfacial chemistry of metallized polyimides and polymide
[AD-A238400] 21 p3490 N91-29366
KILLINGSWORTH, PAUL S.
VHSIC electronics and the cost of Air Force avionics in the 1990s
[RAND-R-3843-AF] 18 p2926 N91-26143
KILLOUGH, RONNIE
Continuation of research into software for space operations support, volume 1
[NASA-CR-187661] 09 p1376 N91-17557
Continuation of research into software for space operations support: Conversion of the display manager to X Windows/Motif, volume 2
[NASA-CR-187662] 09 p1376 N91-17558
KILLOUGH, S. M.
Ultrasound and visual sensor feedback and fusion
[DE90-005280] 08 p1156 N91-16369
Design and control of a fully omnidirectional and holonomic wheeled platform for robotic vehicles
[DE90-017746] 11 p1716 N91-19445
KILLOUGH, STEPHEN M.
A fully omnidirectional wheeled assembly for robotic vehicles
[DE90-011640] 09 p1344 N91-17384
KILMER, RAYMOND J.
The effect of zinc additions on the environmental stability of Alloy 8090 (Al-Li-Cu-Mg-Zr) 19 p3130 N91-27291
KILPATRICK, KATHLEEN A.
Fluid quantity gaging
[NASA-CR-185516] 16 p2631 N91-24566
KILPATRICK, S. J.
Carborane films: Applications to first-wall problems in tokamaks
[DE91-004034] 07 p1068 N91-15878
KILROY, KEVIN A.
Plan, formulate, and discuss a NASTRAN finite element model of the AH-64A helicopter airframe
[NASA-CR-187446] 10 p1534 N91-18445
KILROY, KEVIN L.
Development and applications of a multi-level strain energy method for detecting finite element modeling errors
[NASA-CR-187447] 11 p1722 N91-19478
KILROY, W. P.
SBIR reports on the chemistry of lithium battery technology
[AD-A225139] 03 p0359 N91-12012
KIM, B. J.
Runway exit designs for capacity improvement demonstrations. Phase 1: Algorithm development
[NASA-CR-187955] 09 p1285 N91-17065
KIM, BYUNGYONG
Hierarchical classification in high dimensional numerous class cases
[NASA-CR-188210] 16 p2667 N91-24754
KIM, C.
Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558
KIM, C. K.
Central and peripheral cardiovascular responses to electrically induced and voluntary leg exercise 11 p1761 N91-19687
KIM, CHAN MUN
Vortex-induced noise and vibration in flow past several flat plates 02 p0208 N91-11163
KIM, CHEOL J.
The series Bi2Sr2Ca(n-1) Cu(n)O(2n+4) (1 less than or equal to n less than or equal to 5): Phase stability and superconducting properties
[NASA-TM-103749] 13 p2160 N91-21910
KIM, D.
Ion-assisted doping of 2-6 compounds during physical vapor deposition
[DE90-000358] 01 p0128 N91-10756
Critical currents in sputtered YBCO films
[DE91-017976] 24 p4113 N91-32987

KIM, D. H.
Dissipation in high-temperature superconductors in a magnetic field
[DE91-006596] 09 p1418 N91-17808
Flux pinning and dissipation in high-temperature superconductors
[DE91-014466] 20 p3432 N91-29042
KIM, D.-H.
Point defect effects on hot corrosion of zirconia-based coatings
[AD-A232662] 15 p2407 N91-23326
KIM, D.-W.
Intergalactic HI in the NGC5018 group
05 p0736 N91-14110
KIM, DONG-WOO
The hot and cold interstellar matter of early type galaxies and their radio emission 05 p0736 N91-14112
KIM, H.
Analytical and experimental evaluation of joining silicon nitride to metal and silicon carbide to metal for advanced heat engine applications
[DE91-000535] 04 p0532 N91-12952
A method for classification of multisource data using interval-valued probabilities and its application to HIRIS data 07 p1024 N91-15622
Toward a unified dynamic model for heavy ion reactions: Exclusive measurements of Br + Al and Ni + Mg at incident energies near 10 MeV/amu
[DE91-011374] 17 p2862 N91-25828
KIM, H. J.
Advanced study in solid transport: Rheological behavior of dense suspension
[DE91-009428] 18 p2982 N91-26467
KIM, H. K.
Improvement of bulk and epitaxial III-V semiconductors for solar cells by creation of denuded recombination zones
[DE90-000387] 10 p1540 N91-18478
KIM, HYEONGDONG
Near field interaction of microwave signals with a bounded plasma plume
[NASA-CR-185358] 18 p3067 N91-26944
KIM, HYOUN-EE
Strength of SiC- and Si-N-C-ceramic fibers exposed to high-temperature gaseous environments
[DE91-011099] 18 p2967 N91-26380
KIM, J.
Boundary layer parameterization for a global spectral model
[AD-A235310] 18 p3012 N91-26635
Free-stream turbulence and concave curvature effects on heated, transitional boundary layers, volume 1
[NASA-CR-187150] 19 p3163 N91-27488
Free-stream turbulence and concave curvature effects on heated, transitional boundary layers
[NASA-CR-187151] 19 p3165 N91-27502
KIM, J. G.
Aqueous corrosion characteristics and corrosion-related cracking susceptibilities of Fe3Al-type iron aluminides
[DE91-013028] 20 p3316 N91-28358
KIM, J. H.
The effect of strong Coulomb correlations on electron-phonon interactions in the copper oxides: Implications for transport
[DE91-013333] 20 p3402 N91-28854
KIM, J. J.
Understanding transition and turbulence through direct simulations 02 p0144 N91-10846
KIM, J. S.
Unsteady separation over maneuvering bodies
[AD-A226829] 08 p1142 N91-16285
Ruddlesden-Popper phases A(n+1)M(n)O(3n+1): Structures and properties
[DE91-011748] 21 p3591 N91-29973
KIM, J.-S.
Vibrational spectroscopy of ordered oxygen adlayers on Ni/Cu(001) and Co/Cu(001) thin film systems
[AD-A235921] 19 p3125 N91-27265
KIM, JAE H.
High-gain AlGaAs/GaAs double heterojunction Darlington phototransistors for optical neural networks
[NASA-CASE-NPO-18101-1-CU] 17 p2864 N91-25841
Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU] 24 p4024 N91-32489
KIM, JIN-YONG
Effects of compressibility, diamagnetic drift, and thermal conduction on resistive ballooning modes in the second stability regime
[DE90-017618] 04 p0583 N91-13254
KIM, JONG G.
Extension and upgrading of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers, volume 1
[AD-A229804] 12 p1917 N91-20544
Extension and updating of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers. Volume 2: User manual of the range relative Doppler processing simulation for MM wave seekers
[AD-A229805] 12 p1917 N91-20545
Extension and updating of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers. Volume 3: Simulation of a Doppler beam sharpening radar for MM wave seekers
[AD-A229806] 12 p1917 N91-20546
KIM, JONG R.
Comparison of sound pressure in a wedge-shaped ocean as predicted by an image method and a PE model
[AD-A234191] 18 p3056 N91-26879
KIM, JOON
Carbon dioxide and energy exchanges in a temperate grassland ecosystem 08 p1166 N91-16419
KIM, JUNGHO
Free-stream turbulence and concave curvature effects on heated, transitional boundary layers, volumes 1 and 2
05 p0656 N91-13643
KIM, K.
Analytical and experimental evaluation of joining silicon nitride to metal and silicon carbide to metal for advanced heat engine applications
[DE91-000535] 04 p0532 N91-12952
Heat transfer additives for absorption cooling system fluids
[PB91-182998] 19 p3166 N91-27505
KIM, K. G.
Effect of water content on the piezoelectric properties of nylon 11 and nylon 7
[AD-A237013] 20 p3322 N91-28389
KIM, K. H.
Wind tunnel test of wind loads on various shapes of elevated buildings for Antarctic use
[PB90-259318] 09 p1351 N91-17418
Design and analysis of fault-tolerant distributed real-time computer systems
[AD-A239521] 23 p3908 N91-31812
Design and analysis of fault-tolerant distributed real-time computer systems
[AD-A239382] 23 p3917 N91-31875
KIM, K. J.
Stability and performance of CDRL-FEL (Chemical Dynamics Research Laboratory-Free Electron Laser)
[DE91-007691] 10 p1531 N91-18433
The evolution and limits of spectral bandwidth in free electron lasers
[DE91-007737] 11 p1711 N91-19425
Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558
KIM, K. S.
Elevated temperature crack growth
16 p2582 N91-24314
Spiral cracking around a strained cylindrical inclusion in a brittle material and implications for vias in integrated circuits
[AD-A236248] 19 p3134 N91-27320
KIM, K. STEVEN
Constrained viscoelastic layer damping of thick aluminum plates: Design, analysis, and testing
[AD-A226556] 05 p0676 N91-13758
KIM, K. W.
A theoretical search for supervelocity semiconductors
[AD-A228718] 09 p1411 N91-17763
KIM, KEVIN DONGHUAN
Target maneuver models for improved homing guidance 15 p2368 N91-23101
KIM, KI CHUNG
Dynamic analysis of advanced tip rotors including three-dimensional aerodynamics
17 p2729 N91-25111
KIM, KWANG JOO
Optical properties and electronic structures of d- and f-electron metals and alloys, Ag-In, Ni-Cu, AuGa2, PtGa2, beta'-NiAl, beta'-CoAl, CeSn3, and LaSn3
[DE91-001597] 05 p0727 N91-14059
KIM, KWANG-JE
Hole coupling resonator for free electron lasers
[DE91-007745] 11 p1711 N91-19426
KIM, KYONG H.
Development of flashlamp-pumped Q-switched Ho:Tm:Cr:YAG lasers for mid-infrared LIDAR application
19 p3276 N91-28120
KIM, KYUN O.
Computational methods for frictionless contact with application to Space Shuttle Orbiter nose-gear tires
[NASA-TP-3073] 14 p2274 N91-22576
KIM, KYUNG CHANG
Query performance enhancement techniques in object-oriented databases 16 p2698 N91-24941
KIM, N. P.
Progress in GaAs/CuInSe2 tandem junction solar cells
11 p1667 N91-19190
GaAs (AlGaAs)/CuInSe2 tandem solar cells. Technology status and future directions
22 p3633 N91-30217
KIM, S. B.
Status of solar neutrino experiments
[DE91-007468] 10 p1625 N91-18964
KIM, S. G.
Scaling theory and simulations of fracture in disordered media
[DE91-008516] 12 p1915 N91-20536
KIM, S. K.
Excited state intermolecular proton transfer in isolated clusters: 1-naphthol/ammonia and water
[AD-A233637] 16 p2683 N91-24857
KIM, S.-W.
Calculations of separated 3-D flows with a pressure-staggered Navier-Stokes equations solver
[NASA-CR-187065] 11 p1701 N91-19367
Numerical investigation of an internal layer in turbulent flow over a curved hill 13 p2015 N91-21083
Calculations of steady and transient channel flows with a time-accurate L-U factorization scheme
[NASA-CR-187071] 22 p3676 N91-30468
Calculation of a circular jet in crossflow with a multiple-time-scale turbulence model
[NASA-TM-104343] 22 p3677 N91-30476
KIM, SANG-WOOK
On the anomaly of velocity-pressure decoupling in collocated mesh solutions
[NASA-TM-103769] 13 p2078 N91-21448
Comparison of SMAC, PISO, and iterative time-advancing schemes for unsteady flows
[NASA-TM-104405] 16 p2627 N91-24550
KIM, SEONG JOONG
Modeling and analysis of spacecraft battery charger systems 24 p4008 N91-32411
KIM, SEUNG T.
Effects of switch leakages upon Nimbus-7 SMMR calibration
[NASA-TM-100705] 08 p1189 N91-16536
KIM, SUK C.
Experimental and analytical comparison of flowfields in a 110 N (25 lbf) H2/O2 rocket
[NASA-TM-105175] 21 p3468 N91-29230
KIM, TAEHYOUN
Nonlinear large amplitude vibration of composite helicopter rotor blade at large static deflection
[AD-A227933] 07 p0945 N91-15183
KIM, TAEWOO
Fabrication and design of silicon carbide whisker-reinforced mullite composites
09 p1302 N91-17147
KIM, W. H.
Optimized processing condition for a photocrosslinkable stable nonlinear optical polymer
[AD-A235754] 19 p3138 N91-27342
Optical characterization and patterning of nonlinear optical polymers with photocrosslinking groups
[AD-A235861] 19 p3140 N91-27349
KIM, WALTER S.
Thin-film sensors for space propulsion technology: Fabrication and preparation for testing
16 p2585 N91-24324
KIM, WHEE-KUK
A universal bilateral/force-reflecting manual controller design, control, and implementation
09 p1346 N91-17397
KIM, Y. B.
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
KIM, Y. S.
Tensile and fatigue behavior of tungsten/copper composites 16 p2582 N91-24311
KIM, YONG HYUP
A three-dimensional solid element model for finite rotation of composite shells 02 p0226 N91-11262
KIM, YONG W.
Real-time measurement of materials properties at high temperatures by laser produced plasmas
13 p2060 N91-21342
KIM, YOUDAN
Optimization of symmetric output feedback control for large flexible structures 16 p2674 N91-24800
KIM, YOUNG CHEOL
Properties of materials with a fine length scale: Mechanically alloyed metals and the high temperature superconductor Y1Ba2Cu3O7
[DE91-012538] 21 p3591 N91-29975

KIM, YOUNG I.
Electrical, magnetic, and spectroscopic properties of tetrathiafulvalene charge transfer compounds with iron, ruthenium, rhodium, and iridium halides
[AD-A237607] 21 p3475 N91-29273
KIM, YOUNG K.
Electronic study of Pt-Ga intermetallic thin films using x ray photoemission spectroscopy
[AD-A225036] 03 p0338 N91-11893
KIM, YOUNG S.
Performance tradeoff of MILSATCOM adaptive multibeam antennas 16 p2616 N91-24482
KIM, YOUNG-WON
Creep deformation and fracture of a two-phase TiAl intermetallics
[DE91-011963] 23 p3814 N91-31274
KIM, YOUNGTAE
Quasiperiodic transition to chaos in Ge; and magnetic susceptibility of high-T(c) superconductors
[DE90-011304] 08 p1233 N91-16797
KIMBALL, C. W.
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Hyperfine interactions associated with iron substituted superconducting oxides
[DE90-010411] 08 p1230 N91-16783
KIMBALL, JOHN
KBSA framework
[AD-A230621] 12 p1958 N91-20769
KIMBLE, MICHAEL C.
A mathematical model of the maximum power density attainable in an alkaline hydrogen/oxygen fuel cell
[NASA-CR-188613] 17 p2804 N91-25502
KIMBLE, R.
Studying the spatial distribution of interstellar dust 06 p0901 N91-14980
KIMBRELL, SANDRA MARSHALL
Diagnostic probes for particle and molecule distributions in laser-generated plumes
[DE91-001598] 07 p1008 N91-15535
KIMNACH, GREG L.
Description of the control system design for the SSF PMAD DC testbed
[NASA-TM-105202] 22 p3641 N91-30266
KIMREY, H. D.
Microwave sintering of fuel cell materials
[DE90-011643] 08 p1118 N91-16143
Microwave sintering of zirconia-toughened alumina composites
[DE91-007185] 10 p1501 N91-18262
Characterization of silicon nitride synthesized by microwave heating
[DE91-012219] 20 p3323 N91-28397
KIMSEY, K. D.
Superconducting and computational penetration mechanics
[AD-A226267] 04 p0532 N91-12950
KIMURA, H.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298
KIMURA, M.
Two-electron excitation in slow ion-atom collisions: Excitation mechanisms and interferences among autoionizing states
[DE91-004474] 07 p1065 N91-15856
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791
X ray radiation from a gas-puff z-pinch plasma 19 p3249 N91-27971
KIMURA, T.
Vapour growth of an InP crystal (TEXUS 20) 23 p3836 N91-31394
KIMURA, TAKEO
Wind tunnel test of redundant vane-type flow-direction sensing systems
[NAL-TM-590] 01 p0010 N91-10057
Optimum orientations of the observation axes for 2-dimensional vector sensing under consideration of bias errors
[NAL-TR-1055] 01 p0115 N91-10679
KIMURA, YOSHIFUMI
Vortex collapse from a viewpoint of complex-time singularity
[DE91-001852] 05 p0710 N91-13957
KINARD, WILLIAM H.
Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] 06 p0799 N91-14412
LDEF space environments overview 16 p2706 N91-24974
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
KINAS, ERNEST N.
Mechanical property characterization of thick wall Ti-6Al-6V-2Sn forging
[AD-A228013] 07 p0983 N91-15396
KINCAID, J. R.
Resonance Raman and photophysical studies of transition metal complexes in solution and entrapped in zeolites
[DE91-013010] 20 p3316 N91-28357
KINCAID, R. W.
QUICKGUN: An algorithm for estimating the performance of two-stage light gas guns
[DE91-004973] 09 p1293 N91-17107
KINCAID, REX K.
Minimizing distortion in truss structures via Tabu search 04 p0596 N91-13325
KINCH, MICHAEL
Fundamental limits to performance of quantum well infrared detectors 06 p0796 N91-14397
KINDEL, J. L.
Droplet shattering, vaporization, and recondensation in cloud clearing with long pulse infrared chemical lasers
[DE90-010584] 08 p1152 N91-16343
KINDER, S. J.
Efficient connecting networks using directed links
[ETN-91-98855] 11 p1780 N91-19762
KINDLE, J. C.
Notes on the NOARL nowcast for the 1989 to 1990 El Nino forced by FNOC winds
[AD-A223520] 02 p0242 N91-11347
KINEKE, JACK
Reduction of solar vector magnetograph data using a microMSP array processor 10 p1630 N91-18991
KING, A. W.
The response of atmospheric CO2 to changes in land use
[DE91-001212] 06 p0844 N91-14663
KING, ABRAM
Analysis of ballistically caused damage in some test panel fibers
[AD-A236061] 19 p3175 N91-27552
KING, B. D.
Progress in GaAs/CuInSe2 tandem junction solar cells 11 p1667 N91-19190
KING, C. B.
Advanced-technology space station study: Summary of systems and pacing technologies
[NASA-CR-181795] 03 p0319 N91-11785
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068
KING, CHARLES B.
Single launch lunar habitat derived from an NSTS external tank
[NASA-TM-4212] 05 p0765 N91-14251
Packaging, development, and on-orbit assembly options for large geostationary spacecraft
[NASA-TP-3088] 19 p3110 N91-27182
KING, D. B.
The 2nd Workshop on High Temperture Electronics (Metallization and Packaging)
[DE91-014332] 21 p3503 N91-29442
KING, D. L.
Processing experiments for development of high-efficiency silicon solar cells
[DE91-002698] 06 p0841 N91-14645
KING, DAVID HENRY
Mach's principle and rotating universes 09 p1426 N91-17851
KING, DAVID Q.
High temperature refractory member with radiation emissive overcoat
[NASA-CASE-NPO-17122-1-CU] 06 p0813 N91-14489
Arcjet endurance test program
[AD-A235232] 18 p2937 N91-26198
KING, DONALD B.
Multiplexer/amplifier test results for SP-100
[DE91-004504] 05 p0715 N91-13990
KING, DONALD W.
A manual on the evaluation of information centers and services
[AGARD-AG-310] 17 p2887 N91-25959
KING, GALEN B.
Asynchronous optical sampling for laser-based combustion diagnostics in high-pressure flames
[AD-A229045] 09 p1310 N91-17188
KING, J. C.
Fermi surface of YBCO by DHVA
[DE91-009963] 15 p2516 N91-23943
KING, J. F.
Evaluation of filler metals for high-strength stainless steels
[DE91-009931] 15 p2401 N91-23295
KING, J. M. H.
Non-destructive on-line monitoring of MIC (microbially influenced corrosion)
[DE90-017770] 10 p1499 N91-18251
KING, JAMES A.
High performance, accelerometer-based control of the Mini-MAST structure at Langley Research Center
[NASA-CR-4377] 16 p2565 N91-24222
KING, JOEL DAVID
Characterization of the corrosion of a P-130x graphite fiber reinforced 6063 aluminum metal matrix composite
[AD-A228134] 08 p1106 N91-16071
KING, JOSEPH H.
Trajectories of inner and outer heliospheric spacecraft: Predicted through 1999
[NASA-TM-105041] 22 p3626 N91-30177
Minutes of the CD-ROM Workshop
[NASA-TM-105066] 22 p3723 N91-30720
KING, JULIAN V.
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] 06 p0814 N91-14495
KING, MICHAEL D.
Cloud absorption properties as derived from airborne measurements of scattered radiation within clouds 01 p0087 N91-10512
Cloud optical parameters as derived from the multispectral cloud radiometer 01 p0087 N91-10513
KING, N. S. P.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
KING, NANCY ELLEN
Multiple taper spectral analysis of earth rotation data 17 p2810 N91-25532
KING, PAUL I.
Testing, analysis, and code verification of aerodynamics and heat transfer related to turbomachinery
[NASA-CR-188640] 19 p3106 N91-27160
KING, R. R.
High-efficiency concentrator silicon solar cells
[DE91-006754] 10 p1541 N91-18481
One-sun, single-crystalline silicon solar cell research
[DE91-015646] 23 p3888 N91-31699
KING, RONALD W.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
KING, S. E.
Gamma radiation survey of the LDEF spacecraft 16 p2707 N91-24981
Discovery of Be-7 Accretion in Low Earth Orbit: The 16th Annual AAS Guidance and Control Conference
[AD-A236614] 19 p3112 N91-27195
KING, S. L.
The interaction of HVEM-generated point-defects with dissociated dislocations
[DE91-013353] 20 p3430 N91-29027
KING, S. R.
Supplemental throttleless otto-cycle natural gas engine experiments
[PB91-182576] 19 p3177 N91-27564
KING, T. V. V.
Evidence for ammonium-bearing minerals in Ceres 11 p1821 N91-20004
KING, W. E.
HRM investigation of the structure of the sigma 5(310)/zone axes (001) symmetric tilt grain boundary in Nb
[DE91-008571] 12 p1992 N91-20964
KING, W. R.
Worldwide wind/diesel hybrid power system study: Potential applications and technical issues
[DE91-002160] 21 p3535 N91-29643
KINGDON, J.
Life sciences in ESA TRP activity 11 p1744 N91-19589
KINGON, A. I.
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
A review of basic phenomena and techniques for sputter-deposition of high temperature superconducting films
[DE91-006468] 09 p1416 N91-17795
Integrated synthesis and post processing of silicon carbide and aluminum nitride
[AD-A230810] 13 p2056 N91-21317
KINGSLEY, RENEE
Coding manual for the US Army aviation epidemiology data register
[AD-A231885] 14 p2299 N91-22706
KINGSTON, J. J.
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981

High-T(sub c) thin-film microelectronics
[DE91-012340] 20 p3425 N91-28997
Photolithographically patterened thin-film multilayer devices of YBa2Cu3O(7-x)
[DE91-012350] 20 p3425 N91-28998
Thin-film flux transformers of YBa2Cu3O(7-x)
[DE91-012363] 20 p3427 N91-29007

KINI, ARAVINDA M
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582

KINKADE, N. E.
Direct conversion of methane to C2's and liquid fuels
[DE91-005872] 09 p1320 N91-17249
Direct conversion of methane to C2's and liquid fuels
[DE91-005868] 10 p1506 N91-18290

KINNE, STEFAN A.
Cirrus microphysics and radiative transfer: A case study 01 p0077 N91-10463
The radiation budget of a Cirrus layer deduced from simultaneous aircraft observations and model calculations 01 p0078 N91-10467

KINNEY, A. L.
The ultraviolet atlas of quasar and Blazar spectra 09 p1444 N91-17961

KINNEY, E. R.
Recent developments in laser-driven polarized sources
[DE91-006600] 10 p1529 N91-18419

KINNEY, GILBERT F.
Primes: The first 2400 prime numbers
[AD-A233979] 18 p3050 N91-26837

KINNEY, J. H.
Nondestructive imaging of materials microstructure using x ray tomographic microscopy
[DE91-008505] 13 p2099 N91-21554
The application of x ray tomographic microscopy to chemical vapor infiltration processing of ceramic matrix composites
[DE91-011871] 20 p3304 N91-28284

KINNEY, JOANN S.
Application Principles for Multicolored Displays: A workshop report
[AD-A227961] 08 p1195 N91-16567

KINNISON, DOUGLAS E.
Influence of present and possible future aircraft emissions on the global ozone distribution
[DE91-005422] 10 p1543 N91-18495
Sensitivity of stratospheric ozone to present and possible future aircraft emissions
[DE91-007140] 10 p1545 N91-18503
Solar variations and their influence on trends in upper stratospheric ozone and temperature
[NASA-CR-187999] 10 p1555 N91-18552

KINNISON, J. D.
Gallium Arsenide solar cell radiation damage experiment 22 p3638 N91-30241
A I-V analysis of irradiated Gallium Arsenide solar cells 22 p3638 N91-30242

KINOSHITA, H.
Research and development of lithium/polyacenic semiconductor (PAS) battery for load conditioner use
[DE91-742134] 10 p1520 N91-18370

KINOSHITA, M.
Management and operation of environmental test facility complex 07 p0951 N91-15225

KINROSS-WRIGHT, JOHN
Behavioral effects of 1300 MHz high-peak-power microwave pulsed irradiation
[AD-A226269] 04 p0551 N91-13059

KINSER, DONALD L.
Effects of solar radiation on glass 16 p2719 N91-25057

KINSEY, ROBERT JOHN
Despin of a dual-spin spacecraft with limited torque: Passage through precession phase lock resonance 22 p3629 N91-30196

KINSLER, LES
Detection and avoidance of errors in computer software 17 p2883 N91-25937

KINTER, PAUL M.
Study of plasma waves and wave particle interactions in space
[AD-A227539] 09 p1362 N91-17488

KINTSCH, WALTER
Theories, methods, and tools for the design of user-centered computer systems
[AD-A225700] 04 p0568 N91-13148

KINZER, R. L.
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
SMM observations of interstellar Al-26
[AD-A236222] 19 p3264 N91-28055

KIPER, ALI M.
Investigation of thermal-fluid mechanical characteristics of the Capillary Pump Loop
[NASA-CR-188730] 22 p3675 N91-30459

KIPP, D. O.
On the crystal structure of KInS2-I
[AD-A226940] 06 p0881 N91-14866

KIPP, M. E.
Planar-shock and penetration response of ceramics
[DE91-004569] 07 p0986 N91-15410
Elastic wave dispersion in high-strength ceramics
[DE91-016648] 23 p3820 N91-31309

KIRBIE, H. C.
International magnetic pulse compression
[DE91-015774] 23 p3859 N91-31520
Proceedings of the International Magnetic Pulse Compression Workshop. Volume 2: Technical summary
[DE91-015775] 23 p3860 N91-31521

KIRBY, D. G.
Digital audio editing: The development of a random access editor
[BBC-RD-1990/5] 02 p0204 N91-11142

KIRBY, GEORGE C., III
A complex systems approach to metallic fracture surface characterization
[AD-A232546] 15 p2447 N91-23556

KIRCHNER, T. M.
Energy dissipation of shear Alfven waves in extended cosmic jets 06 p0921 N91-15086

KIRIAKI, KIRIAKIE
Optimal combining of ground-based sensors for the purpose of validating satellite-based rainfall estimates
[NASA-CR-188185] 14 p2291 N91-22669

KIRIS, CETIN
Simulation of blood flow through an artificial heart 15 p2537 N91-24056

KIRIYAMA, TAKASHI
Representation and implementation of design knowledge for intelligent CAD: Implementation aspects
[CWI-CS-R9071] 17 p2835 N91-25670
Representation and implementation of design knowledge for intelligent CAD: Theoretical aspects
[CWI-CS-R9070] 17 p2841 N91-25699

KIRK, B. L.
A stochastic performance model for the neutron diffusion nodal method on a multiuser parallel supercomputer
[DE90-017015] 11 p1777 N91-19749

KIRK, H.
Summary of the working group on transverse emissions from photocathodes
[DE91-008414] 11 p1712 N91-19432

KIRK, JOHN
Physiological and perceptual responses to load carrying in female subjects using internal and external frame backpacks
[AD-A234941] 18 p3029 N91-26722

KIRK, M. A.
Critical current densities in neutron irradiated high-T(sub c) single crystals
[DE90-017794] 03 p0421 N91-12355
The interaction of HVEM-generated point-defects with dissociated dislocations
[DE91-013353] 20 p3430 N91-29027

KIRK, M. T.
Procedure for a drop tower testing of shallow cracked single edge notched band specimens
[AD-A226382] 04 p0537 N91-12976

KIRK, MARQUIS A.
Irradiation defect structures in YBa2Cu3O(7-x) and their correlation with superconducting properties
[DE91-006420] 09 p1416 N91-17793

KIRK, MARTIN L.
Strong exchange coupling in lanthanide bis(phthalocyaninato) sandwich compounds
[AD-A234466] 18 p3068 N91-26951

KIRK, R. GORDON
Critical speeds and forced response solutions for active magnetic bearing turbomachinery, part 1 13 p2038 N91-21209
Critical speeds and forced response solutions for active magnetic bearing turbomachinery, part 2 13 p2038 N91-21210

KIRK, R. L.
Triton: A hot potato 11 p1821 N91-20005

KIRK, W. L.
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
A review of the Los Alamos effort in the development of nuclear rocket propulsion
[DE91-016036] 23 p3803 N91-31211

KIRK, WILLIAM L.
The behavior of fission products during nuclear rocket reactor tests
[DE91-001956] 05 p0630 N91-13490

KIRKENDAHL, T. D.
Atomic oxygen degradation of Intelsat 4-type solar array interconnects: Laboratory investigations
[NASA-TM-102175] 13 p2051 N91-21286

KIRKENDALL, T. D.
Physical and chemical analysis of a Ni/H2 cell 24 p4037 N91-32555

KIRKPATRICK, J. F.
Diagnostic tools for reciprocating engine systems
[PB91-184960] 23 p3879 N91-31645

KIRKPATRICK, J. R.
Fluid flow effects on electroplating
[DE91-001087] 05 p0645 N91-13577

KIRKPATRICK, R. C.
The promise of magnetized fuel: High gain in inertial confinement fusion
[DE91-016321] 24 p4105 N91-32937

KIRKPATRICK, R. J.
NMR spectroscopy of experimentally shocked silicate minerals
[DE91-014897] 21 p3578 N91-29898

KIRKUP, LESLIE
Experimental studies on bulk and thick film high Tc superconductors 09 p1412 N91-17771

KIRKWOOD, SHEILA
Kiruna geophysical data: Data summary 90/4-6, April - June 1990
[PB91-135913] 14 p2286 N91-22643
Kiruna geophysical data: Data summary 90/1-3, January - March 1990
[PB91-135921] 14 p2287 N91-22644

KIRLIK, ALEX
Acquisition and production of skilled behavior in dynamic decision-making tasks
[NASA-CR-188084] 13 p2164 N91-21939

KIRLIN, PETER S.
MOCVD of TlBaCaCuO on MgO using fluorinated beta-diketonate source reagents
[AD-A236594] 19 p3255 N91-28008
MOCVD of TlBaCaCuO superconducting thin films: Structure, property, processing relationships
[AD-A236881] 19 p3255 N91-28011

KIRONOTO, B. A.
Decelerating flow in a gravel bed flume 12 p1897 N91-20435

KIRSCH, K. A.
Vertebral column length changes during simulated microgravity 11 p1747 N91-19604

KIRSCH, L. E.
Research in elementary particle physics
[DE91-015359] 21 p3577 N91-29892

KIRSCH, T.
Interdependent figure-of-merit software development 17 p2749 N91-25214
A figure-of-merit approach to extraterrestrial resource utilization 17 p2754 N91-25244

KIRSCHBAUM, E.
Ultrasound absorption in molten salts (TEXUS 14b) 23 p3830 N91-31359
Ultrasound absorption in molten salts (TEXUS 17) ESA 23 p3830 N91-31360

KIRSCHE, HORST
Materials selection and structures for plasma accelerators in electrothermal guns
[MBB-Z-0303-90-PUB] 04 p0584 N91-13259

KIRSCHNER, MICHAEL
Contributions to a space station for flights in the near field and towards geostationary Earth orbit
[ETN-91-99744] 23 p3802 N91-31203

KIRSHNER, ROBERT
Narrow circumstellar emission lines in SN 1987A 09 p1443 N91-17953

KIRSTEINS, ANDRA
The chemical resistance of protective handwear available through the Navy's supply system
[AD-A235874] 20 p3381 N91-28731

KIRTLEY, KEVIN
Average-passage flow model development 16 p2587 N91-24338

KIRWAN, ALBERT D., JR.
Mesoscale characteristics and the role of deformation on ocean dynamics
[AD-A237577] 21 p3546 N91-29701
Mesoscale characteristics and the role of deformation on ocean dynamics
[AD-A237123] 22 p3712 N91-30659

KISAKA, KATSUTO
Performance of the N2H4/MMH mixed fuel regeneratively cooled engine
[NAL-TR-1082] 17 p2743 N91-25180

KISARA, KATSUHITO
Digital data processing system for bipropellant apogee engine
[NAL-TM-599] 02 p0188 N91-11052
KISELEVA, LJUDMILA G.
Dynamics and configurations of galaxy triplets
08 p1261 N91-16946
Viral coefficient and hidden mass in the galaxy groups
08 p1262 N91-16950
KISER, J. D.
Investigation of interfacial shear strength in SiC/Si3N4 composites
[NASA-TM-103739] 18 p2943 N91-26233
Crystallization and characterization of Y2O3-SiO2 glasses 23 p3930 N91-31962
KISHIMOTO, TAKUJI
The role of computational fluid dynamics in aeronautical engineering 04 p0466 N91-12610
KISHONI, DORON
Ultrasonic correlator versus signal averager as a signal to noise enhancement instrument
10 p1488 N91-18197
KISPERT, L. D.
Magnetic resonance and optical spectroscopic studies of carotenoids
[DE91-014361] 20 p3380 N91-28724
KISSEL, GERHARD
I'm all 'light' Jack
[MBB-UD-0576-90-PUB] 11 p1651 N91-19101
KISSEL, LYNN
Scattering of photons from atomic electrons
[DE91-006268] 10 p1592 N91-18778
KISSIN, GLORIA
Upper and lower bounds on switching energy in VLSI
[CWI-CS-R9044] 17 p2769 N91-25325
KISTER, HORST
Digital glass cockpit for commuter aircraft
03 p0309 N91-11729
KISTLER, DORIS J.
Hearing in three dimensions: Sound localization
[NASA-CR-187706] 05 p0712 N91-13971
Field measurement of head related transfer functions
[AD-A227850] 08 p1218 N91-16708
KISTNER, M. D.
Strain rate sensitivity of polymer-matrix composites under mode I delamination
[AD-A232761] 15 p2396 N91-23268
KITAHARA, K.
Hole dynamics of one-dimensional plasma
20 p3414 N91-28928
KITAMURA, A.
Study on ablation of target material induced by pulsed ion beam bombardment 11 p1801 N91-19886
KITAMURA, K.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937
KITAZOME, EIICHI
Separation of rare earth elements with high-speed countercurrent chromatography
[PB90-243700] 09 p1309 N91-17181
KITCHEN, TERRY L.
An object oriented design and implementation of the IDEF(sub 0) essential model using Ada and an Ada based expert system
[AD-A230814] 13 p2135 N91-21753
KITROSSER, DAVID F.
Digisonde at sondrestrom to monitor the ionospheric polar cap and cusp region
[AD-A230705] 12 p1924 N91-20584
KITSON, DAVID H.
The role of assessment in software process improvement
[AD-A227426] 06 p0862 N91-14762
KITSOPOULOS, T. N.
Vibrationally resolved photoelectron spectra of Si3 and Si4
[AD-A225383] 03 p0339 N91-11901
Photoelectron spectroscopy of Si2
[AD-A230911] 13 p2151 N91-21853
Study of the low-lying electronic states of Si2 and Si2(-) using negative ion photodetachment techniques
[AD-A234336] 18 p2946 N91-26256
KITSUNEZAKI, AKIO
Introduction to fusion
[DE91-744831] 11 p1805 N91-19912
KITZMILLER, CHARLES T.
Electronic design process
[AD-A234709] 18 p3041 N91-26786
KIUCHI, HITOSHI
A highly stable crystal oscillator applied to geodetic VLBI experiment 17 p2851 N91-25765
Precise measurement method for ionospheric total electron content using signals from GPS satellites
17 p2853 N91-25774
KIVELSON, M. G.
The variation of the plasma sheet polytropic index along the midnight meridian in a finite width magnetotail
[AD-A225948] 04 p0547 N91-13034
KIZIAH, REX R.
Experimental response functions and response matrices for 2.54-cm x 2.54 cm and 7.62 cm x 7.62 cm bismuth germanate scintillation detectors
[AD-A230140] 13 p2087 N91-21486
KIZZEE, VICTOR D.
Minor surgery in microgravity
24 p4079 N91-32786
Evaluation of prototype Advanced Life Support (ALS) pack for use by the Health Maintenance Facility (HMF) on Space Station Freedom (SSF)
24 p4079 N91-32787
Fluid handling 2: Surgical applications
24 p4080 N91-32790
Evaluation of prototype air/fluid separator for Space Station Freedom Health Maintenance Facility
24 p4080 N91-32791
Precision metering of microliter volumes of biological fluids in micro-gravity 24 p4080 N91-32792
KJELGAARD, SCOTT O.
Detailed flow-field measurements over a 75 deg swept delta wing
[NASA-TP-2997] 10 p1456 N91-18030
KJENNERUD, EIVIND
Man-machine interactions and multimedia applied to ROV operations 15 p2450 N91-23576
KLAASEN, J. J.
A rudimentary overview of the capabilities and problems concerning the finite-element method
[AD-A233431] 16 p2679 N91-24829
KLAASEN, J. J. A.
Frequency-domain analysis of one-dimensional electromagnetic scattering by lossy media
[FEL-90-A112] 05 p0650 N91-13607
Time-domain analysis of one-dimensional electromagnetic scattering by Lossy media
[FEL-90-A211] 15 p2412 N91-23358
Some basic considerations concerning time-domain measurements with electromagnetic-field sensors
[FEL-90-A222] 22 p3664 N91-30398
KLABUNDE, C. E.
Growth and transport properties of Y-Ba-Cu-O/Pr-Ba-Cu-O superlattices
[DE91-000721] 07 p1070 N91-15889
Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015632] 23 p3931 N91-31969
KLABUNDE, KENNETH J.
Activated metal oxide surfaces as highly reactive environments
[AD-A227990] 07 p0978 N91-15369
KLAFSZKY, E.
Some generalizations of the criss-cross method for quadratic programming
[REPT-90-52] 08 p1200 N91-16599
KLAMUT, J.
Thermal conductivity of high-temperature superconductors in normal state
11 p1789 N91-19818
KLANG, ERIC C.
Shear buckling of specially orthotropic plates with centrally located cutouts
[NASA-CR-187894] 09 p1352 N91-17429
KLAPISCH, M.
Soft x-ray laser gain prediction at high density for the nitrogen isoelectronic sequence
[DE91-007616] 11 p1710 N91-19416
Analysis of time- and space-resolved Na-, Ne-, and F-like emission from a laser-produced bromine plasma
[DE91-011523] 17 p2869 N91-25871
KLARER, P. R.
Military robotics technologies at Sandia National Laboratories
[DE91-016113] 24 p4091 N91-32858
KLARIC, MARIO
The spiral-compact galaxy pair AM 2208-251: Computer simulations versus observations
08 p1260 N91-16939
KLATTE, R. J.
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 3: Application of theory for blade loading, wakes, noise, and wing shielding
[NASA-CR-185193] 15 p2500 N91-23850
KLAUENBERG, B. JON
Behavioral effects of 1300 MHz high-peak-power microwave pulsed irradiation
[AD-A226269] 04 p0551 N91-13059
KLAUSMEIER-BROWN, M.
Recent advancements in monolithic AlGaAs/GaAs solar cells for space applications 22 p3634 N91-30220
KLAUSMEYER, STEVE
Computational fluid dynamics in aerospace engineering at Wichita State University 10 p1456 N91-18025
KLAVERS, H. W.
Research and development opportunities for natural gas fueled refrigeration in industrial processes
[PB91-136432] 15 p2409 N91-23338
KLAVETTER, ELMER
Advanced thermally stable jet fuels development program annual report. Volume 1: Model and experiment system development
[AD-A229692] 12 p1878 N91-20322
KLAVETTER, JAMES J.
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020
KLEB, WILLIAM L.
Temporal-adaptive Euler/Navier-Stokes algorithm for unsteady aerodynamic analysis of airfoils using unstructured dynamic meshes
[NASA-TM-102734] 02 p0158 N91-10919
Unstructured-grid methods development for unsteady aerodynamic and aeroelastic analyses
[NASA-TM-104143] 24 p3951 N91-32084
KLEBE, DIMITRI IVANOVICH
Infrared polarization studies of Bok globules
09 p1425 N91-17842
KLEBESADEL, R. W.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
KLEEORIN, N. I.
A new kind of magnetic buoyancy instability
06 p0916 N91-15050
KLEER, G.
Assessment of the reliability of windows of vacuum vessels 07 p0952 N91-15233
KLEESCHULTE, STEFAN
Thematic Mapper landuse classification as a remote sensing contribution for a hydrologic runoff prediction model
[DLR-FB-90-16] 03 p0385 N91-12149
Classification of Thematic Mapping (TM) data as a remote sensing contribution for a hydrological discharge model 04 p0542 N91-13004
KLEIBER, J. C., JR.
Atmospheric propagation of high-explosive blast waves
[DE91-012550] 20 p3342 N91-28506
KLEIH, JUERGEN
Qualification of concentrating mirror systems with the Hermes measurement system and the Helios simulation program
[ESA-TT-1213] 15 p2390 N91-23230
KLEIMAN, J.
Atomic oxygen erosion of polymer matrix composites
16 p2718 N91-25045
KLEIN, A. C.
Design considerations for a ceramic fabric radiator
[DE90-016342] 01 p0029 N91-10173
Materials compatibility issues for fabric composite radiators
[DE91-017556] 24 p3972 N91-32186
KLEIN, D. B.
Heat pipe dynamic behavior
[NASA-CR-187422] 05 p0656 N91-13645
KLEIN, DANIEL
Kernal facilities definition, Kernel version 3.0
[AD-A228027] 08 p1202 N91-16610
KLEIN, GARY A.
Investigations of naturalistic decision making and the recognition-primed decision model
[AD-A226006] 04 p0602 N91-13351
KLEIN, H.
The influence of the texture of Al2O3 substrates on the fracture behavior under thermal loading
05 p0639 N91-13543
Exobiology in Earth orbit: The results of science workshops held at NASA, Ames Research Center
[NASA-SP-500] 06 p0856 N91-14725
Spinoidal decomposition (TEXUS 17)
23 p3833 N91-31379
KLEIN, J.
Data of a rectangular beam solar simulator
07 p0952 N91-15232
The interactions of atmospheric cosmogenic radionuclides with spacecraft surfaces
16 p2707 N91-24982
KLEIN, LISA C.
Mechanical strength of silica xerogels
[AD-A225020] 04 p0506 N91-12808
KLEIN, M.
Transient vibration testing of satellites
07 p0955 N91-15252

KLEIN, MARK H.
An analysis of input/output paradigms for real-time systems
[AD-A226724] 06 p0860 N91-14748
Rate monotonic analysis for real-time systems
[AD-A235641] 19 p3219 N91-27794
KLEIN, NATHAN
Processes for assessing the thermal stability of HAN-based liquid propellants: Revision
[AD-A224999] 04 p0510 N91-12832
The molecular structure of the HAN-based liquid propellants
[AD-A226415] 05 p0643 N91-13571
The effects of composition variation and nitric acid on the stability and reactivity of the HAN-based liquid propellants
[AD-A231502] 14 p2253 N91-22462
KLEIN, R. I.
Plasma spectroscopy simulations with the ALTAIR code
[DE91-011201] 17 p2867 N91-25862
KLEIN, RICHARD I.
Time-dependent two-dimensional radiation hydrodynamics of accreting matter onto highly magnetized neutron stars
[DE91-005228] 07 p1083 N91-15960
The 2-D axisymmetric line transport
[DE91-005226] 10 p1617 N91-18915
KLEIN, V. F.
A radiation hardened SONOS/CMOS EEPROM family
[DE90-015993] 02 p0206 N91-11154
KLEINE-TEBBE, K. A.
Operating experience with a large hydraulic test facility
07 p0955 N91-15254
KLEINE, MARVIN
Spectrum synthesis of CN in comets
12 p2005 N91-21036
Spectra of comet P/Halley at R = 4 - 8 AU
17 p2897 N91-26014
KLEINFELDER, S. A.
Test results of a 90 MHz integrated circuit sixteen channel analog pipeline for SSC detector calorimetry
[DE91-009773] 13 p2076 N91-21436
KLEINHEMPEL, WERNER
Wide band systems 24 p3982 N91-32242
KLEINMANN, SUSAN G.
Computing and data processing
24 p4120 N91-33028
KLEM, J. F.
Electric-field dependent electroreflectance and photocurrent spectroscopy in InGaAs/InAlAs strained-layer superlattices
[DE90-015698] 02 p0277 N91-11559
Nonparabolic conduction bands and masses in strained-single-quantum wells
[DE90-017028] 02 p0277 N91-11560
Photoluminescence studies of In(x)Ga(1-x)As/Al(y)Ga(1-y)As strained-layer structures
[DE90-017031] 02 p0278 N91-11561
Band-gap narrowing and III-V heterostructure FETs (Field-Effect Transistors)
[DE91-000401] 05 p0726 N91-14056
Far-infared laser spectroscopy of two dimensional holes in strained-layer heterostructure and superlattices
[DE91-000027] 08 p1235 N91-16805
Selective suppression of carrier-driven photochemical etching: Raman spectroscopy as a diagnostic tool
[DE91-007495] 10 p1610 N91-18885
Rapid thermal annealing effects in In(x)Ga(1-x)As/GaAs strained-layer superlattices
[DE91-015901] 23 p3933 N91-31978
Ground-state in-plane light-holes in GaAs/AlGaAs structures
[DE91-016408] 23 p3933 N91-31980
KLEM, MARK D.
JANNAF liquid rocket combustion instability panel research recommendations
[NASA-TM-103653] 05 p0630 N91-13491
KLEMM, R. A.
Interlayer pairing and c-axis versus ab-plane gap anisotropy in high Tc superconductor
[DE91-012218] 20 p3426 N91-29005
Scaling behavior of the fluctuations in magnetization and conductivity of untwinned YBa2Cu3O(7-delta)
[DE91-016524] 24 p4110 N91-32967
KLEMMER, ANTON
Laser transit velocimetry: Recent publications
23 p3876 N91-31624
KLENART, JOHN
FTS2000 network architecture
18 p3079 N91-27019
KLEPACZKO, J. R.
Experimental investigation of adiabatic shear banding at different impact velocities
[AD-A237901] 21 p3532 N91-29625
KLEPCZYNSKI, WILLIAM J.
GPS time transfer with implementation of selective availability 17 p2852 N91-25766
KLEPL, MARTIN J.
Roll plus maneuver load alleviation control system designs for the active flexible wing wind-tunnel model
14 p2230 N91-22335
KLEPPER, C.
Recent gaseous divertor experiments in DIII-D
[DE91-011139] 17 p2867 N91-25859
KLEPPER, C. C.
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
KLEPPNER, DANIEL
Research programs at the Research Laboratory of Electronics
[AD-A225355] 04 p0518 N91-12880
The Research Laboratory of Electronics
[AD-A237670] 21 p3506 N91-29458
KLEVA, R.
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
KLEVGARD, P. A.
Measurement capabilities of the Sandia, Livermore, Standards Laboratories
[DE91-008124] 13 p2147 N91-21825
KLEVGARD, PAUL A.
Design of a dual port volume measuring system
[DE91-000883] 04 p0578 N91-13222
KLIBANSKY, BEN-TSIYON
Fluctuations in near-surface backscattering to a descending CW radar
[ITN-91-85140] 20 p3335 N91-28469
KLIER, K.
Mechanisms and controlling characteristics of the catalytic oxidation of methane
[DE91-008033] 11 p1681 N91-19263
High octane ethers from synthesis gas-derived alcohol
[DE91-008367] 13 p2058 N91-21325
Partial oxidation of light alkanes in transition-metal ion containing zeolites
[DE91-008202] 18 p2944 N91-26243
High octane ethers from synthesis gas-derived alcohols
[DE91-016596] 24 p3973 N91-32193
KLIM, R. D.
The use of twin-screen-based WIMPS in spacecraft control 14 p2220 N91-22275
KLIMA, R.
Multijunction grill response to ponderomotive effects as plasma periphery
[IPPCZ-303] 17 p2866 N91-25851
KLIMA, STANLEY J.
NDE of ceramics and ceramic composites
[NASA-TM-104520] 21 p3530 N91-29610
KLIMAN, D. H.
Application of geographic information system for emergency management
[DE91-010766] 17 p2887 N91-25964
KLIMAS, P. C.
United States Department of Energy solar receiver technology development
[DE91-012653] 20 p3367 N91-28651
Second-generation central receiver technology comparison
[DE91-012865] 20 p3367 N91-28653
KLIMEK, JOSEPH P.
Fabrication and characterization of yttrium barium copper oxide superconductors for microwave applications
[AD-A231713] 14 p2331 N91-22877
KLIMOV, S. I.
Plasma wave measurements on the dayside: Scale sizes and observational requirements
01 p0070 N91-10426
On the possibility to support multisatellite measurements of the Cluster mission by single satellite measurements in the Regatta-Cluster project 01 p0071 N91-10428
KLINE-SCHODER, ROBERT JOHN
Precision tethered satellite attitude control
02 p0187 N91-11046
KLINE, PAUL
Integrated inertial/GPS 11 p1638 N91-19032
KLINGLE-WILSON, DIANA
Automatic detection of low altitude wind shear due to gust fronts in the terminal Doppler weather radar operational demonstration 03 p0305 N91-11702
KLINGLE-WILSON, DIANA L.
Gust front/wind shift detection algorithm for the terminal Doppler weather radar
[DOT/FAA/NR-91/4] 13 p2121 N91-21671
KLINGLESMITH, DANIEL A.
A tail-wagging event in comet Austin
12 p2005 N91-21038
KLINK, W. H.
Configuration space Faddeev calculations
[DE91-008517] 12 p1978 N91-20887
KLINKHAMER, F. R.
The Sphaleron at finite mixing angle
[NIKHEF-H/90-12] 14 p2324 N91-22835
Sphalerons and energy barriers in the Weinberg-Salam theory
[NIKHEF-H/90-20] 14 p2324 N91-22838
KLINT, P.
A meta-environment for generating programming environments
[CWI-CS-R9064] 17 p2835 N91-25666
KLINTWORTH, R.
Development of a miniature biology facility
11 p1757 N91-19666
KLIPEC, KATHERINE
H-infinity-optimal control for distributed parameter systems
[AD-A234931] 18 p3049 N91-26833
KLOBUCHAR, J. A.
The Effect of the Ionosphere on Radiowave Signals and Systems Performance Based on Ionospheric Effects Symposium
[AD-A233797] 18 p2974 N91-26416
KLOECK, G.
Free flow electrophoresis experiment TEPE 3 on Texus 24
[MBB-UO-0130-90-PUB] 11 p1692 N91-19321
Free flow electrophoresis experiment TEPE 3 on TEXUS 24
11 p1755 N91-19654
KLOEPPEL, P.
A beam position monitor for low current dc beams
[CEBAF-PR-89-004] 06 p0871 N91-14816
KLOEPPEL, VALENTIN
Development of bearingless tail rotors
[MBB-UD-0575-90-PUB] 11 p1648 N91-19086
Design and first tests of individual blade control actuators
[MBB-UD-0577-90-PUB] 11 p1648 N91-19087
KLOESEL, KEVIN A.
The relationship of marine stratus to synoptic conditions 01 p0082 N91-10489
Aircraft measurements of the mean and turbulent structure of marine stratocumulus clouds during FIRE
01 p0087 N91-10514
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987
01 p0092 N91-10534
KLOESEL, KEVIN ARLYN
Observational study of the above-inversion structure and marine stratocumulus cloud clearing episodes during FIRE 15 p2466 N91-23666
KLOKS, TON
Approximating treewidth, pathwidth, and minimum elimination tree height
[RUU-CS-91-01] 23 p3911 N91-31836
KLOMPSTRA, MARTIN
A comparison of classical and modern controller design: A case study
[EUT-90-E-244] 22 p3742 N91-30850
KLOOG, Y.
Affinity chromatography purification of the NMDA/phencyclidine receptor complex
14 p2293 N91-22683
KLOOSTRA, S.
Performance analysis of generic system architectures
[MEMO-INF-90-51] 10 p1577 N91-18680
Simulation models of the generic system architectures
[MEMO-INF-90-52] 10 p1577 N91-18681
KLOP, JAN WILLEM
An analysis of loop checking mechanisms for logic programs
[CWI-CS-R8942] 03 p0403 N91-12242
An infinitary Church-Rosser property for non-collapsing orthogonal term rewriting systems
[CWI-CS-R9043] 17 p2833 N91-25653
Term rewriting systems
[CWI-CS-R9073] 17 p2836 N91-25672
Transfinite reductions in orthogonal term rewriting systems
[CWI-CS-R9041] 17 p2844 N91-25720
Transfinite reductions in orthogonal term rewriting systems (extended abstract)
[CWI-CS-R9042] 17 p2844 N91-25721
KLOPFER, GOETZ H.
Grid generation about complex three-dimensional aircraft configurations
[NASA-CR-188097] 14 p2186 N91-22071
KLOPP, RICHARD W.
Modeling of microstructural effects on fracture processes at high loading rates
[AD-A235431] 19 p3133 N91-27313

KLOSKO, STEVEN M.
Consideration of permanent tidal deformation in the orbit determination and data analysis for the Topex/Poseidon mission
[NASA-TM-100775] 22 p3705 N91-30619
KLOSNER, J. M.
In situ fault detection by the hybrid ray mode method
[AD-A224735] 03 p0374 N91-12097
KLOSTERMAN, EDWARD L.
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
KLOSTERMEYER, JUERGEN
Gravity waves and instabilities in the lower and middle atmosphere 18 p3010 N91-26621
KLOTS, C. E.
Negative ion formation by Rydberg electron transfer: Isotope-dependent rate constants
[DE91-012058] 18 p3061 N91-26909
Evaporation as a diagnostic test for hydrodynamic cooling of laser-ablated clusters
[DE91-013416] 20 p3350 N91-28555
KLOTS, T. D.
Chemical identification of icosahedral structure for cobalt and nickel clusters
[DE90-017688] 02 p0196 N91-11100
KLUEH, R. L.
Comparison of the effects of long-term thermal aging and HFIR irradiation on the microstructural evolution of 9Cr-1MoVNb steel
[DE91-004516] 07 p0980 N91-15379
KLUEH, RONALD L.
Specimen size effects in Charpy impact testing
[DE90-011369] 08 p1162 N91-16399
KLUG, HELMUT
Meteorological effects on long-range outdoor sound propagation 08 p1216 N91-16696
KLUMPERS, F. J.
Design of an X-band PIN diode phase shifter by computer optimization
[FEL-89-B286] 05 p0654 N91-13633
Results of the propagation measurements over a 5120 m link over land at 94 GHz
[AD-A233405] 16 p2618 N91-24492
KLUSTY, MARK
Surface acoustic wave vapor sensors based on resonator devices
[AD-A235797] 19 p3157 N91-27456
KLUTZ, GLENN
A user-friendly menu-driven language-free laser characteristics curves graphing program
04 p0596 N91-13326
KLYDE, DAVID H.
Aeroservoelastic stabilization techniques for hypersonic flight vehicles
[NASA-CR-187614] 22 p3623 N91-30156
KMIECIK, CHRIS G.
Effects of non-uniform windowing in a Rician-fading channel and simulation of adaptive automatic repeat request protocols
[AD-A236940] 19 p3154 N91-27435
KNABB, RICHARD D.
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 08 p1184 N91-16513
KNABE, FRANZ
The airport and airspace simulation model SIMMOD of the FAA: Features, examples, and experiences
[DLR-MITT-91-01] 22 p3617 N91-30120
KNABE, WALTER
Microgravity acceleration modeling for orbital systems
03 p0432 N91-12421
KNACKE, R. F.
Detection of the 3.4 micron emission feature in comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko (1989r) and an observational summary
12 p2005 N91-21032
KNACKE, ROGER F.
The 3.4 micron emission in comets
06 p0906 N91-15006
KNAPP, BEVERLY G.
Human performance concerns for the TRACKWOLF system
[AD-A231359] 13 p2130 N91-21722
KNAPP, D.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903
KNAPP, F. F., JR.
The development of new radionuclide generator systems for nuclear medicine applications
[DE91-010381] 16 p2687 N91-24876
KNAPP, G. R.
Intergalactic HI in the NGC5018 group
05 p0736 N91-14110
KNAPP, G. S.
A new method to do time resolved, x ray diffraction studies: The rotating crystal Laue method
[DE91-016527] 23 p3925 N91-31935
A simple sagittal focusing crystal which utilizes a bimetallic strip
[DE91-017324] 24 p4111 N91-32975
KNAPP, J. A.
Amorphization of C-implanted Fe(Cr) alloys
[DE91-001338] 06 p0809 N91-14469
Measurements of To temperatures of supersaturated Si-As alloys
[DE91-006774] 10 p1500 N91-18254
High-energy backscattered electron imaging of voids in aluminum metallizations
[DE91-014895] 21 p3480 N91-29303
KNAPP, JILL
Far-infrared emission from dusty ellipticals
05 p0743 N91-14142
KNAPPENBERGER, ANJANETTE
Simulating the vortex in a spinning rocket
[AD-A236345] 19 p3101 N91-27136
KNAPTON, JOHN D.
Test results from a two-stage traveling charge liquid propellant gun
[AD-A224593] 03 p0318 N91-11779
Effects of metal contamination on hydroxylammonium nitrate-based liquid monopropellants
[AD-A229177] 09 p1320 N91-17248
Two-stage igniter test results: Electrical ignition of LGP 1846
[AD-A235619] 19 p3144 N91-27377
KNAUR, JAMES A.
A simulated lightning effects test facility for testing live and inert missiles and components
24 p4068 N91-32725
KNAUSS, G. L.
Optically-triggered hardened thyristors for firing set circuits
[DE91-000041] 07 p0999 N91-15487
KNECHT, D. J.
The AIS: A spectrograph/imager ensemble for space flight
[AD-A227009] 06 p0799 N91-14413
KNECHT, DAVID J.
Recovery of images from the AMOS ELSI data for STS-33
[AD-A225653] 04 p0490 N91-12723
KNECHT, J. C.
Corrosion experience data requirements
[PB91-169748] 19 p3135 N91-27323
KNEE, H. E.
Models of human operators: Their need and usefulness for improvement of advanced control systems and control rooms
[DE91-017245] 24 p4077 N91-32774
KNEPPE, GUENTER
MBB-LAGRANGE: Structural optimization system for space and aircraft structures
[MBB/FW522/S/PUB/406] 04 p0499 N91-12770
Structural optimization with constraints from dynamics in LAGRANGE
[MBB-FW522/S/PUB/431] 14 p2234 N91-22362
KNEPTON, J. C.
The effect of three levels of laser glare on the speed and accuracy of target location performance when viewing a briefly presented visual array
[AD-A238565] 21 p3552 N91-29736
KNEZ, ROBERT J.
Information resources management environment vision and prescription, version 1.1
[AD-A236846] 19 p3262 N91-28039
KNEZEK, PATRICIA M.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
The ratio of molecular to atomic gas in spiral galaxies as a function of morphological type
05 p0737 N91-14119
KNIBLOE, J. R.
Microstructure and mechanical properties of P/M (Powder Metallurgy) Fe3Al alloys
[DE91-006132] 09 p1315 N91-17218
Occurrence of tungsten plasma in plasma spraying of WC/Co
[DE91-006111] 09 p1407 N91-17741
An evaluation of nickel-aluminum coatings fabricated with the plasma-spray process
[DE91-013208] 21 p3484 N91-29328
KNIGHT, D. J. E.
Acoustic damping of honeycomb-construction plates by pressure-sensitive adhesives
[NPL-DES-107] 24 p4094 N91-32872
KNIGHT, DOUGLAS R.
The medical hazards of flame-suppressant atmospheres
[AD-A239618] 23 p3906 N91-31806
KNIGHT, J.
Evolution of a voltage-time model of thermal batteries
[RAE-TM-MAT/STR-1163] 22 p3670 N91-30432
KNIGHT, JOHN C.
Software fault tolerance using data diversity
[NASA-CR-188616] 17 p2832 N91-25646
KNIGHT, JOSIAH
Measurement and calculation of forces in a magnetic journal bearing actuator 13 p2037 N91-21207
KNIGHT, NANCY C.
Hydrometeor development in cold clouds in FIRE
01 p0076 N91-10459
Lidar and aircraft studies of deep Cirrus systems from the 1986 FIRE IFO 01 p0077 N91-10460
KNIGHT, NORMAN F., JR.
High-performance equation solvers and their impact on finite element analysis
[NASA-TM-102735] 02 p0224 N91-11252
KNIGHT, P. J.
Current meter records. Site F: 52 degrees 37 minutes N, 03 degrees 46 minutes E. August 1988 - September 1989. North Sea project
[REPT-11-1990] 17 p2816 N91-25561
Current meter records. Site E: 52 degrees 43 minutes N, 02 degrees 25 minutes E. August 1988 - September 1989. North Sea project
[REPT-12-1990] 17 p2816 N91-25562
Current meter records. Site B: 55 degrees 30 minutes N, 05 degrees 31 minutes E. August 1988 - September 1989. North Sea project
[REPT-13-1990] 17 p2816 N91-25563
KNIGHT, S. P.
High performance video computer
[AD-A229884] 12 p1952 N91-20740
KNIGHT, THOMAS F., JR.
Critical problems in very large scale computer systems
[AD-A229328] 22 p3722 N91-30714
Routing statistics for unqueued Banyan networks
[AD-A229321] 22 p3746 N91-30880
KNIP, GERALD, JR.
High-efficiency core technology
12 p1841 N91-20118
KNITTLE, C. D.
Very low bit rate voice for packetized mobile applications
[DE91-015333] 21 p3498 N91-29409
KNOCKE, PHILIP
A polar orbit for the Mars Global Network Mission
06 p0788 N91-14361
KNODEL, T. V.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058
KNOEDLER, HARRY
The laminar free jet problem, using Newtonian media
[ETN-91-98494] 07 p0937 N91-15136
KNOKE, G. S.
Study of asymmetric supersonic jet flow for ejectors
[DE90-015598] 02 p0158 N91-10917
KNOLL, RICHARD H.
Thermal performance of a liquid hydrogen tank multilayer insulation system at warm boundary temperatures of 630, 530, and 152 R
[NASA-TM-104476] 17 p2739 N91-25159
KNOOPERS, H. G.
Predesign of an experimental (5-10 MWt) disk MHD facility and prospects of commercial (1000 MWt) MHD/steam systems
[EUT-90-E-243] 22 p3757 N91-30945
KNOPOFF, LEON
Attenuation of seismic waves in the near-source region
[AD-A226814] 08 p1176 N91-16475
KNOROVSKY, G. A.
Interactions at glass-ceramic to metal interfaces
[DE91-006630] 10 p1495 N91-18231
Interfacial debonding in stainless steel/glass-ceramic seals
[DE91-011326] 17 p2763 N91-25295
KNOSPE, CARL R.
Control issues of microgravity vibration isolation
13 p2035 N91-21192
Microgravity vibration isolation: An optimal control law for the one-dimensional case 13 p2037 N91-21206
KNOTHE, KLAUS
Frequency dependent slip coefficients for rolling contact of viscoelastic rollers
[ILR-MITT-241(1990)] 07 p1010 N91-15549
KNOTT, J. F.
Fatigue crack propagation of coplanar semi-elliptical cracks in pure bending
[PNR-90742] 01 p0057 N91-10337
KNOTT, T. W.
A study of the response of nonlinear springs
[NASA-CR-188602] 17 p2859 N91-25807

KNOTT, W. M.
Investigating combustion as a method of processing inedible biomass produced in NASA's biomass production chamber
[NASA-TM-103821] 18 p3036 N91-26759
Effects of atmospheric CO2 on photosynthetic characteristics of soybean leaves
23 p3902 N91-31780
Controlled ecological life support system breadboard project, 1988 23 p3904 N91-31791
Factors affecting plant growth in membrane nutrient delivery 23 p3905 N91-31797
KNOTT, WILLIAM M.
The CELSS breadboard project: Plant production
05 p0692 N91-13849
Monitoring and control technologies for bioregenerative life support systems/CELSS 15 p2538 N91-24060
KNOTTS, L. H.
Interaction of feel system and flight control system dynamics on lateral flying qualities
[NASA-CR-179445] 06 p0785 N91-14353
KNOWLES, GARETH J.
Real time digital control and controlled structures experiments 14 p2232 N91-22344
KNOWLES, JAMES K.
Implications of viscosity and strain gradient effects for the kinetics of propagating phase boundaries in solids
[AD-A226120] 04 p0536 N91-12975
On the propagation of maximally dissipative phase boundaries in solids
[AD-A227800] 07 p1015 N91-15574
Wave propagation in linear, bilinear and trilinear elastic bars
[AD-A236199] 19 p3180 N91-27582
KNOWLES, JAMES ROY
Hyperbaric Oxygenation (HBO) clinical trials: A review
[AD-A227901] 09 p1371 N91-17533
KNOWLTON, L.
A study of the interaction of physical and numerical parameterizations with regard to moisture forecasting in a regional model of the atmosphere
[AD-A227966] 08 p1178 N91-16488
KNOWLTON, T. M.
Determination of flow-regime boundaries for cohesive particles
[DE91-010552] 18 p2982 N91-26468
Determination of flow-regime boundaries for cohesive particles
[DE91-010541] 19 p3136 N91-27326
KNOX, CHARLES E.
NASA transport systems research vehicle B-737 data link system and display formats
[NASA-TM-102717] 01 p0010 N91-10058
A flight test facility design for examining digital information transfer 02 p0166 N91-10962
The 4-D descent trajectory generation techniques under realistic operating conditions 02 p0175 N91-10994
Flight tests with a data link used for air traffic control information exchange
[NASA-TP-3135] 23 p3791 N91-31143
KNOX, FRANCIS S.
A test of the American Safety Flight Systems, Inc. prebreather/portable oxygen system
[AD-A232723] 15 p2367 N91-23100
KNUDE, JENS
The autocorrelation function of the North Pole dust
06 p0887 N91-14901
KNUDSEN, C.
Information dynamics of self-programmable matter
[DE91-009954] 15 p2482 N91-23740
KNUDSEN, DAVID J.
Alfven waves and static fields in magnetosphere/ionosphere coupling: In-situ measurements and a numerical model
16 p2656 N91-24696
KNUDSON, CURTIS L.
Production of jet fuels from coal-derived liquids. Volume 14: Oxygenates content of coal-derived jet fuels
[AD-A224848] 03 p0347 N91-11939
KNUDSON, D. A.
Work plan for the preliminary site investigation for McMurdo Station, Ross Island, Antarctica
[DE91-015100] 20 p3371 N91-28675
KNUPP, KEVIN R.
Analysis and modeling of summertime convective cloud and precipitation structure over the Southeastern United States
[NASA-CR-188119] 15 p2467 N91-23670
KNYSHENKO, I. I.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058
KO, FRANK
Development of braided rope seals for hypersonic engine applications. Part 2: Flow modeling
[NASA-TM-104371] 14 p2272 N91-22571
KO, FRANK K.
Structure and properties of high symmetry composites
[AD-A226479] 04 p0499 N91-12769
KO, K.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
A high power cross-field amplifier at X-Band
[DE91-013277] 21 p3503 N91-29441
KO, KWOK
Design of a high power cross field amplifier at X band with an internally coupled waveguide
[DE91-007591] 10 p1522 N91-18380
KO, M. K. W.
The atmospheric effects of stratospheric aircraft: A current consensus
[NASA-RP-1251] 08 p1175 N91-16467
KO, MALCOLM K. W.
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 1
[NASA-CR-4346-PT-1] 10 p1542 N91-18489
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 2
[NASA-CR-4346-PT-2] 10 p1543 N91-18490
KO, WILLIAM L.
Thermal behavior of a titanium honeycomb-core sandwich panel
[NASA-TM-101732] 09 p1353 N91-17433
Combined compressive and shear buckling analysis of hypersonic aircraft structural sandwich panels
[NASA-TM-4290] 17 p2787 N91-25422
Compressive buckling analysis of hat-stiffened panel
[NASA-TM-4310] 19 p3181 N91-27592
Combined-load buckling behavior of metal-matrix composite sandwich panels under different thermal environments
[NASA-TM-4321] 22 p3693 N91-30563
KOBA, HIROYUKI
Typhoon information 01 p0061 N91-10366
KOBA, RICHARD
Synthesis of large area, monocrystalline TiC as a substrate for heteroepitaxial growth of beta-SiC
[AD-A225159] 04 p0587 N91-13275
KOBANA, AKIRA
Electron temperature of Gd plasma produced by laser resonance ionization
[DE91-744833] 11 p1805 N91-19913
KOBAYASHI, A. S.
Dynamic fracture analysis by moire interferometry
[AD-A230383] 12 p1913 N91-20524
Dynamic fracture responses of Al2O3, Si3N4, and SiC(w)/Al2O3
[AD-A235286] 18 p2942 N91-26229
KOBAYASHI, ALBERT S.
A SEM procedure for quantifying transgranular fracture in brittle material
[AD-A225211] 03 p0382 N91-12132
KOBAYASHI, H.
Development of Nb3Sn ac superconductor, part 1
[DE91-742150] 10 p1609 N91-18880
KOBAYASHI, HIROSHI
Three-dimensional Navier-Stokes simulation of flow around ATP 04 p0468 N91-12626
KOBAYASHI, S.
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
KOBAYASHI, Y.
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope
13 p2174 N91-22004
KOBER, W.
An automated software system for updating digital terrain databases from all-source imagery, phase 1
[AD-A237105] 21 p3554 N91-29748
KOBULASHVILI, G. SH.
Corrosion cracking of steels 03Kh20N18M2D2, 06KhN28MDT under effect of plastic deformation
19 p3132 N91-27308
KOCAMUSTAFAOGULLARI, G.
Interfacial characteristic measurements in horizontal bubbly two-phase flow
[DE91-009803] 15 p2424 N91-23427
KOCH-PETERS, DOROTHEA
Flight mechanics/air navigation research field. A 1990 Scientific report of the German Air and Space Research Organization
[ISSN-0720-7808] 15 p2368 N91-23103
KOCH, CHRISTOF
Methods in computational neuroscience
[AD-A231397] 14 p2297 N91-22698
KOCH, D. G.
The submillimeter wave astronomy satellite
13 p2177 N91-22025
KOCH, J.
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557
KOCH, J. A.
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
KOCH, JOHN, JR.
Plug-type heat flux gauge
[NASA-CASE-LEW-14967-1] 23 p3874 N91-31608
KOCH, MICHAEL
Manufacture of containers from an oriented biopolymer 24 p4115 N91-32999
KOCH, R.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886
A study of an integrated image and inertial sensor system 17 p2734 N91-25140
KOCH, ROBERT W.
Crystal growth in Karlsruhe 14 p2336 N91-22912
KOCH, S. W.
Theory of semiconductor laser feedback instability
[DE91-008198] 13 p2091 N91-21512
KOCH, U.
Copper diffusion in pure aluminum cladding: Mechanism and influence on corrosion behavior
[MBB-Z-0323-90-PUB] 22 p3652 N91-30323
Examinations of corrosion behavior for aluminum lithium alloys
[MBB-Z-0324-90-PUB] 22 p3652 N91-30324
KOCH, WALTER
Making telescience possible: An analysis of the use of standard techniques to reduce user efforts
14 p2224 N91-22301
KOCHAN, H.
Experiments with artificial comets in the DLR space simulator 07 p0957 N91-15263
KOCHAVI, E.
Thermal design and control of space simulation chambers in Israel 07 p0951 N91-15227
KOCHER, JAMES A.
Integrated control and avionics for air superiority: A knowledge-based decision aiding system
17 p2734 N91-25138
KOCHETKOVA, A. N.
Feeding the Salyut-7 crews 22 p3714 N91-30671
Feeding the Salyut-7 crews 22 p3716 N91-30685
KOCHHAR, R. K.
On a connection between supernova occurrence and tidal interaction in early type galaxies
08 p1254 N91-16903
Energy and angular momentum transfer in binary galaxies 08 p1260 N91-16940
KOCKS, U. F.
Accurate representations of general textures by a set of weighted grains
[DE90-016487] 02 p0265 N91-11485
Texture and microstructure development in Al-2 percent Mg during high-temperature deformation
[DE91-007355] 11 p1722 N91-19480
Reliable modeling of complex behavior
[DE91-013385] 20 p3326 N91-28419
Texture development in Cu-W composites
[DE91-013388] 22 p3643 N91-30273
KOCSIS, FRANK J.
Communication system test for image transmission
[DE91-001890] 05 p0716 N91-13994
KOCUR, JOHN ANTHONY, JR.
Dynamic analysis of liquid-lubricated hydrostatic journal bearings 09 p1345 N91-17391
KOCZAK, MICHAEL J.
Aluminum powder alloys: An overview
03 p0341 N91-11910
KODAMA, S.
Solution growth of GaAs single crystals (TEXUS 19)
23 p3836 N91-31393
KODAMA, YOSHIAKI
Use of spline functions in CFD
04 p0456 N91-12546
Three-D grid generation using the geometrical method
04 p0464 N91-12600
KOECHLING, JEFF
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949
KOEHLER, B. G.
Comparison of hydrogen desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234633] 18 p2947 N91-26262
Comparison of H2 desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234634] 18 p2947 N91-26263
Desorption product yields following Cl2 adsorption on Si(111)7x7: Coverage and temperature dependence
[AD-A234635] 18 p2947 N91-26264
Laser-induced desorption of H2 from Si(111)7x7
[AD-A234636] 18 p2990 N91-26508

KOEHLER, J.
Eastern Europe: Please stand by
[PB91-14336] 15 p2411 N91-23348
KOEHLER, M.
Cellular functions of Paramecium under different gravity conditions 11 p1751 N91-19631
KOEHLER, R.
Development of MIL-8785C into a handling qualities specification for a new European fighter aircraft 15 p2370 N91-23114
KOEHLER, RUTHARD
Initial flight test of a ground deployed system for flying qualities assessment
[NASA-TM-101700] 07 p0945 N91-15182
KOEHLER, W. J.
Numerical prediction of turbulent oscillating flow and associated heat transfer
[NASA-CR-187177] 21 p3516 N91-29524
KOEHNE, RAINER
Design of highly concentrating solar collectors and solar collector systems
[DLR-FB-90-11] 01 p0065 N91-10390
Design of highly concentrating solar collectors and solar collector systems
[ESA-TT-1224] 22 p3700 N91-30599
KOEL, B. E.
Chemisorption and reactions studies on well-characterized bimetallic and alloy surfaces
[DE91-010935] 17 p2760 N91-25278
KOELBEL, CHARLES
Compiling global name-space programs for distributed execution
[NASA-CR-187454] 03 p0399 N91-12216
KOELLE, H. HERMANN
A multi-vehicle space carrier fleet cost model for a multi-mission scenario
[ILR-MITT-240(1990)] 11 p1655 N91-19120
KOELLING, C. P.
The effects of information availability on the group consensus process
[DE91-012428] 20 p3438 N91-29076
KOELLING, D. D.
The f-electron systems: Pushing band theory
[DE91-006087] 09 p1397 N91-17689
KOELZER, GABRIELE
Laboratory studies on time dependent particle emission from cometary analogues 10 p1623 N91-18954
KOENEKE, A.
Comparison study of the aerodynamic coefficients measured on models with circular or squared section and large elongation in supersonic flow
[ISL-R-125/89] 13 p2019 N91-21106
KOENIG, CHRISTINE
The differentiation of sea ice thickness and surface shape, using NOAA-AVHRR and SAR data 04 p0541 N91-13001
KOENIG, EVA MARIA
A new principle for dynamic fluid shift investigations in astronauts 11 p1746 N91-19600
KOENIG, F.
Results of examination of unsteady convection of vertical thermally unstable Bi-Sb-Te melts 14 p2335 N91-22905
KOENIG, G. L.
Total ozone, ozonesonde, and Umkehr observations for satellite ozone data validation 11 p1732 N91-19525
Dobson spectrophotometer, ECC ozonesonde, and ground-based NOAA SBUV-2, S/N satellite instrument comparison ozone observations
[PB91-142299] 14 p2268 N91-22549
KOENIG, GERALD
ADRPM-VII applied to the long-range acoustic detection problem 08 p1215 N91-16689
KOENIG, J. L.
An infrared analysis of the effect of composition of n-butyl triethoxysilane and gamma-amino propyl triethoxysilane blends on tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235840] 19 p3124 N91-27258
The 29Si solid state NMR studies of the effect of composition of amine and alkyl silane blends in tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235841] 19 p3124 N91-27259
An infrared analysis of the effect of composition of silane blends of amino and alkyl silane blends in tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235842] 19 p3124 N91-27260
Properties of anhydride-cured epoxy filled with silica treated with silane blends of amino and alkyl end groups
[AD-A235981] 19 p3140 N91-27353
KOENIG, JOHN C.
Photovoltaic system criteria documents. Volume 2: Quality assurance criteria for photovoltaic applications
[NASA-CR-183317] 12 p1918 N91-20553
Photovoltaic system criteria documents. Volume 4: Review criteria for photovoltaic applications
[NASA-CR-183319] 12 p1919 N91-20554
Photovoltaic system criteria documents. Volume 6: Criteria for auditing photovoltaic system applications and experiments. Revision A
[NASA-CR-183321] 12 p1919 N91-20555
Photovoltaic system criteria documents. Volume 1: Guidelines for evaluating the management and operations planning of photovoltaic applications
[NASA-CR-183316] 12 p1919 N91-20556
Photovoltaic system criteria documents. Volume 3: Environmental issues and evaluation criteria for photovoltaic applications
[NASA-CR-183318] 12 p1919 N91-20557
Photovoltaic system criteria documents. Volume 5: Safety criteria for photovoltaic applications
[NASA-CR-183320] 12 p1919 N91-20558
KOENIG, K.
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 2: Transport airplanes and other civil applications 02 p0161 N91-10932
KOENIG, M.
The influence of the comparison accuracy in dual-counter LDA signal processors on the measuring error
[ISL-CO-222/89] 03 p0371 N91-12078
KOENIG, REINHARD
Contributions to the improvement of flight safety in wind shear
[ESA-TT-1141] 02 p0166 N91-10965
KOENIGSBERGER, GLORIA
On the use of scientific satellite data by the Mexican astronomical community 07 p0948 N91-15204
KOENRAAD, PAULUS MARIA
The influence of ionized impurities on the transport properties of a two-dimensional electron gas
[ETN-90-97752] 02 p0282 N91-11586
KOEPKE, A.
Project Cerberus: Flyby mission to Pluto 08 p1101 N91-16048
KOERNER, ROBERT M.
Fundamental approach to service life prediction of Flexible Membrane Liners (FML's)
[PB90-263856] 09 p1349 N91-17410
KOERT, P.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
KOERT, PETER
Artificial ionospheric mirrors for radar applications 10 p1554 N91-18545
System concept and analysis of an Artificial Ionospheric Mirror (AIM) radar
[AD-A234289] 18 p3011 N91-26630
KOERTJE, J. H.
Morphological, electronmicroscopical and biochemical aspects of hyper-gravity conditions during early ontogenetic development of Cichlid fish 11 p1752 N91-19638
KOESE, S.
Optical interferometer systems in space: Configuration and structure concepts using space rigidized elements 03 p0327 N91-11819
KOESTER, D.
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A 09 p1442 N91-17949
KOESTLER, C.
Diffusion of Ni in Cu-Au and Cu-Al alloys (TEXUS 20) 23 p3832 N91-31373
KOFFEND, J. B.
BiF/NF2 kinetics studies. Mechansim and conversion efficiency
[AD-A230222] 12 p1903 N91-20469
KOFFEND, JOHN B.
Direct observaticn of NF(X) using laser-induced fluorescence: Kinetics of the NF 3 Sigma - ground state
[AD-A228294] 08 p1155 N91-16362
Direct observation of NF(X) using laser induced fluorescence: Determination of H + NF2 branching ratio
[AD-A229444] 22 p3752 N91-30913
KOFSKY, I. L.
Photometric analysis of a space shuttle water venting 12 p1950 N91-20726
Photometric-photogrammetric analysis of video images of a venting of water from Space Shuttle Discovery
[AD-A233452] 16 p2565 N91-24219
KOGA, ROKUTARO
Heavy-Ion-Induced snapback in CMOS devices
[AD-A226765] 07 p1072 N91-15899
KOGAN, A.
Small Space Lab as a basic spacecraft of Regatta project 01 p0070 N91-10423
KOGER, THOMAS L.
Predictive sensor method and apparatus
[NASA-CASE-SSC-00006-1] 05 p0664 N91-13691
KOGURE, T.
Survey observations of emission-line stars in the Orion region 06 p0897 N91-14955
KOH, Y. K.
A study of the vibrational power input to beam-like structures subjected to simultaneously acting force and moment excitations
[ISVR-TR-190] 22 p3694 N91-30568
KOHEN, FORTUNE
New developments and applications of immunoassay technology 14 p2294 N91-22686
High performance thiophilic adsorption for antibody purification 14 p2294 N91-22687
KOHL, FRED J.
Microgravity research at LeRC
[NASA-TM-102521] 16 p2613 N91-24464
KOHL, HARALD
Laboratory studies on time dependent particle emission from cometary analogues 10 p1623 N91-18954
KOHLER, WERNER
Pulse propagation in random media
[AD-A229006] 09 p1324 N91-17269
KOHLMAN, DAVID L.
Flight evaluation of several ground deicing/anti-icing fluids on general aviation aircraft
[DOT/FAA/CT-TN90/31] 09 p1274 N91-17005
KOHLMAN, WILLIAM G.
Mechanical properties of polycarbonate-polysulfone and polycarbonate-polyetherimide blends
[AD-A234939] 18 p2964 N91-26360
KOHLSTEDT, D. L.
Fundamental studies of electronic packaging materials and structures: Surface and interfaces
[AD-A232336] 15 p2420 N91-23403
KOHN, LUCI
The 1988 anthropometric survey of US Army personnel: Correlation coefficients and regression equations. Part 1: Statistical techniques, landmark, and measurement definitions
[AD-A224986] 03 p0395 N91-12194
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 2: Simple and partial correlation tables-male
[AD-A224987] 04 p0551 N91-13055
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 3: Simple and partial correlation tables-female
[AD-A224988] 04 p0551 N91-13056
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 4: Bivariate regression tables
[AD-A224989] 04 p0551 N91-13057
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 5: Stepwise and standard multiple regression tables
[AD-A224990] 04 p0551 N91-13058
KOHN, ROBERT V.
Mathematical topics in the modelling and identification of multicomponent continua
[AD-A234471] 18 p3050 N91-26843
KOHN, W.
Exact theory of long-wavelength one-phonon amplitudes in atom-surface scattering
[AD-A231661] 14 p2323 N91-22831
KOHNO, Y.
Microstructural examination in FFTF irradiated manganese stabilized martensitic steel
[DE90-011930] 09 p1311 N91-17197
KOHOUT, L. L.
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
KOHOUT, LISA L.
SEI rover solar-electrochemical power system options
[NASA-TM-104402] 15 p2458 N91-23620
KOHSIEK, WIM
Description of Crau data set: Meteosat data, radiosonde data, sea surface temperatures: Comparison of Meteosat and Heimann data
[KNMI-WR-90-03] 23 p3897 N91-31752
KOHYAMA, A.
Microstructural examination in FFTF irradiated manganese stabilized martensitic steel
[DE90-011930] 09 p1311 N91-17197
KOIDE, YOSHIHIKO
Effects of current profiles on the kink-ballooning stability
[DE91-772218] 17 p2870 N91-25874
KOIKE, A.
Result of ONERA standard model test in 2m x 2m transonic wind tunnel
[DE91-750115] 11 p1644 N91-19066

KOIKE, F.
He-like spectra through charge exchange processes in tokamak plasmas
[NIFS-69] 11 p1802 N91-19894
KOIKE, J.
Correlation between the elastic-shear-instability-mechanism and empirical criteria for irradiation-induced amorphization
[DE91-004481] 08 p1235 N91-16810
Microstructural evolution of Fe grown on a (001) Cu film and its implication to the elastic anomaly in metallic superlattices
[DE91-005875] 09 p1313 N91-17205
KOIKE, MASATO
Analysis of polarization properties of shallow metallic gratings by an extended Rayleigh-Fano theory
[DE91-016982] 24 p4087 N91-32835
KOIKE, YO
Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003
KOISHI, Y.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
KOJIMA, M.
A new ground data system for Akebono (EXOS-D) satellite 14 p2209 N91-22200
KOK, J. N.
From failure to success: Comparing a denotational and a declarative semantics for Horn clause logic
[CWI-CS-R9019] 10 p1572 N91-18649
The failure of failures: Towards a paradigm for a synchronous communication
[RUU-CS-90-40] 23 p3911 N91-31835
KOK, JACOBUS BERNARDUS WILHELMUS
Dynamics of gas bubbles moving through liquid
[ETN-90-97760] 01 p0043 N91-10255
KOK, JOOST N.
Semantic models for a version of PARLOG
[CWI-CS-R8951] 03 p0403 N91-12245
Control flow versus logic: A denotational and a declarative model for guarded Horn clauses
[CWI-CS-R8952] 03 p0403 N91-12246
On logic programming and the refinement calculus: Semantics based program transformations
[RUU-CS-90-39] 23 p3911 N91-31834
KOK, W. J.
Study of strategies for the determination of deformations from Global Positioning System (GPS) measurements
[ETN-91-98141] 05 p0681 N91-13786
KOKMEIJER, ESTHER
Sintering behaviour and properties of beta'-Si3Al3O3N5 ceramics
[ETN-91-99181] 14 p2250 N91-22452
KOKOTOVIC, P. V.
Adaptive output-feedback control of systems with output nonlinearities
[AD-A231249] 13 p2142 N91-21793
KOKOTOVIC, PETAR V.
Systematic design of adaptive controllers for feedback linearizable systems
[AD-A228739] 09 p1389 N91-17643
KOKOVA, N.
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988)
11 p1742 N91-19577
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
KOLAFA, J. J.
Standardization of motion sickness induced by left-right and up-down reversing prisms 11 p1748 N91-19611
KOLASINSKI, WOJCIECH A.
Heavy-Ion-Induced snapback in CMOS devices
[AD-A226765] 07 p1072 N91-15899
KOLATA, J. J.
Sub-barrier fusion and near-barrier quasi-elastic scattering
[DE91-006046] 09 p1396 N91-17685
KOLAWA, ADAM
An automatic parallelization tool for sequential programs
[AD-A229972] 13 p2138 N91-21771
A heterogeneous parallel programming capability
[AD-A229710] 13 p2138 N91-21772
KOLB, C. E.
Boron combustion model development with kinetic sensitivity analysis and measurement of key chemical rate parameters
[AD-A235309] 18 p2951 N91-26283
KOLB, EDWARD W.
False-vacuum decay in generalized extended inflation
[NASA-CR-186419] 01 p0117 N91-10695
Astrophysics and cosmology confront the 17 keV neutrino
[NASA-CR-188169] 14 p2347 N91-22981
Plausible double inflation
[NASA-CR-188449] 16 p2697 N91-24934
Statistical mechanics of soft-boson phase transitions
[NASA-CR-188697] 20 p3402 N91-28858
KOLB, G. J.
The design of future central receiver power plants based on lessons learned from the Solar One Pilot Plant
[DE91-005224] 11 p1727 N91-19510
General theme report: Working session 2, solar thermal systems
[DE91-009251] 14 p2281 N91-22616
Effects of high-intensity solar radiation on carbon fibers
[DE91-015485] 21 p3471 N91-29252
KOLB, WERNER
The photogrammetric evaluation by video technique: A supporting study 08 p1168 N91-16433
KOLBAS, ROBERT M.
Carrier collection and scattering in quantum well and superlattice devices
[AD-A224619] 03 p0421 N91-12357
KOLBERT, W. J.
On the efficiency of rail accelerators
[PML-1990-64] 15 p2386 N91-23204
KOLBOW, STEVEN R.
Robustness of hardy space with finite 2-norm and hardy space with finite infinity-norm
[AD-A230524] 12 p1971 N91-20840
KOLECKI, J. C.
Electrical system/environment interactions on the planet Mars 18 p3087 N91-27068
KOLEHMAINEN, T.
Use of pinch-technology in the design and calculation of heat exchanger networks
[DE91-771948] 17 p2805 N91-25506
KOLEN, ANTOON W. J.
Combinatorics in operations research
[CWI-BS-R9024] 17 p2850 N91-25752
KOLESNIK, M. I.
The automatic reconstruction of 3-dimensional scenes for Mars rover operations 14 p2214 N91-22230
KOLESNIKOVA, E. I.
The possibility of making fast measurements of ion distribution functions 01 p0072 N91-10438
KOLLATSCHNY, W.
Observations of multiple nucleus galaxies
08 p1251 N91-16890
Correlations between environmental parameters and nuclear activity 08 p1257 N91-16920
KOLLBERG, ERIK
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations
13 p2181 N91-22050
KOLLENBERG, W.
Residual stresses in ceramics
[JUEL-SPEZ-550] 05 p0638 N91-13536
KOLLER, DAVID C.
Transient x ray irradiation of high transition temperature superconducting material
[AD-A227090] 06 p0881 N91-14869
KOLLI, SUDHAKAR
Joining of aluminum-based particulate-reinforced metal-matrix composites 20 p3306 N91-28298
KOLLMANN, W.
Navier-Stokes computation of compressible turbulent flows with a second order closure
[NASA-CR-188451] 16 p2626 N91-24543
KOLMAN, B.
Phase changes during plasma spray deposition
[IPPCZ-297] 06 p0875 N91-14837
KOLMAN, MICHIEL
Search for correlated UV and x ray absorption of NGC 3516
[NASA-CR-188711] 22 p3771 N91-31026
IUE and ROSAT monitoring of the bright QSO H1821+643
[NASA-CR-188719] 22 p3771 N91-31029
KOLODZIEJCZAK, JEFFREY JAY
The gamma ray content of ultrahigh energy cosmic radiation 20 p3448 N91-29135
KOLODZIEJSKI, LESLIE A.
Chemical beam epitaxy of ZnSe
[AD-A228045] 08 p1237 N91-16817
KOLODZY, P. J.
Logical implementation of the Automatic Target Recognition Working Group (ATRWG) 9-track tape format image storage format
[AD-A236627] 19 p3152 N91-27424
KOLTUN, D. S.
Theoretical nuclear physics
[DE91-016745] 23 p3926 N91-31936
KOLTVEIT, INGVAR
Ionospheric HF radio propagation at high latitudes using conventional and spread spectrum modulation
[FFI-91/7003] 22 p3665 N91-30404
KOLVOORD, ROBERT ANDREW
Saturn's F ring: Imaging and simulation
15 p2533 N91-24032
KOMAKI, I.
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791
KOMARNENI, S.
Nano-composite desiccation materials
[PB90-247388] 01 p0021 N91-10123
KOMAROVSKIY, VICTOR
Sea ice observations from the winter Weddell Gyre study, 1989
[AD-A236036] 19 p3205 N91-27717
KOMATSU, GORO
Ancient oceans and Martian paleohydrology
11 p1820 N91-19997
KOMATSU, KEIJI
Vibration testing of a 1/5 scale model of H-2 launch vehicle
[NAL-TR-1061] 01 p0016 N91-10099
Function library using APL for time series analysis and system identification in structures
[NAL-TM-578] 01 p0104 N91-10604
KOMATSU, MASATOMO
Active control of vortex shedding frequency by a splitter plate 24 p3946 N91-32059
KOMATSU, Y.
Result of ONERA standard model test in 2m x 2m transonic wind tunnel
[DE91-750115] 11 p1644 N91-19066
KOMATSU, YUKIO
Modification in the main air blower unit for two meter times two meter transonic wind tunnel: Plan and configuration
[NAL-TM-580] 01 p0013 N91-10081
A system design and demonstrative field test of wind turbine with a 14 m diameter rotor
[NAL-TR-1056] 01 p0065 N91-10389
KOMEN, ERWIN RONALD
Low-level image processing architectures compared for some non-linear recursive neighborhood operations
[ISBN-90-9003713-6] 08 p1206 N91-16631
KOMHYR, W. D.
ECC ozonesonde observations at South Pole, Antarctica during 1989
[PB90-258914] 02 p0233 N91-11302
ECC ozonesonde observations at Mirny, Antarctica, during 1989
[PB90-252024] 04 p0544 N91-13018
Total ozone, ozonesonde, and Umkehr observations for satellite ozone data validation 11 p1732 N91-19525
Dobson spectrophotometer, ECC ozonesonde, and ground-based NOAA SBUV-2, S/N satellite instrument comparison ozone observations
[PB91-142299] 14 p2268 N91-22549
ECC ozonesonde observations at Point Barrow, Alaska during January 16 - April 19, 1989
[PB91-176438] 19 p3203 N91-27706
KOMORI, M.
Development of a two-phase cold plate
08 p1140 N91-16277
KOMORI, T.
Research and development of lithium/polyacenic semiconductor (PAS) battery for load conditioner use
[DE91-742134] 10 p1520 N91-18370
KOMORIDA, T.
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
KOMOROSKI, RICHARD A.
NMR imaging of elastomeric materials
[AD-A230299] 12 p1873 N91-20296
KOMOROWSKI, J. P.
Evaluation of Shadow Moire for surface deformation detection and measurement
[NAE-LTR-ST-1737] 21 p3529 N91-29604
Photoelastic coating study of redesigned CT114 coupon joint test specimen for horizontal stabilizer rear attachment fitting to vertical stabilizer rear spar
[NAE-LTR-ST-1701] 23 p3788 N91-31125
KOMOROWSKI, JERZY P.
Review of literature on the damage, loss of stiffness, and residual strength of graphite/epoxy laminates subjected to cyclic loading
[NAE-LTR-ST(CR)-1711] 21 p3530 N91-29611
KOMPLIN, NORMA J.
Photoluminescence studies of silver-exchanged cadmium selenide crystals. Modification of a chemical sensor for aniline derivatives by heterojunction formation
[AD-A236000] 19 p3253 N91-27996

KOMURO, HIROSHI
Characteristics of winter lightning currents struck an isolated tower 24 p4047 N91-32607
KOMURO, TOMOYUKI
An experiment on supersonic turbulent mixing layers: Supersonic-subsonic two-stream layers
[NAL-TR-1066] 08 p1090 N91-15983
Autoignition and flameholding in a cylindrical scramjet combustor
[NAL-TR-1067] 08 p1111 N91-16102
Experiment on a rectangular cross section Scramjet combustor
[NAL-TR-1068] 12 p1842 N91-20127
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
KONAKHEVICH, YU. G.
Experimental assessment of effect of head position on center of gravity of human body in ejections seats 10 p1562 N91-18590
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3715 N91-30677
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3717 N91-30687
KONASH, D.
Epipolar geometry for trinocular active range-sensors
[OUEL-1850/90] 04 p0527 N91-12923
KONDA, SURESH
National software capacity: Near-term study
[AD-A226694] 06 p0859 N91-14743
National software capacity: Near-term study executive summary
[AD-A227564] 08 p1199 N91-16590
KONDAUROV, M. N.
Software for the ODRENOK microcomputer. Program package for graphics editing
[DE91-614980] 11 p1778 N91-19752
KONDO, KIMIO
Satellite sound broadcast research aspect in CRL 03 p0352 N91-11965
KONDO, SAYA
ISCCP data processing 01 p0060 N91-10363
KONDO, YOJI
A search for Beta Pictoris analogs 09 p1433 N91-17891
A high resolution atlas of Mg II profiles 09 p1437 N91-17916
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
KONDOH, YOSHIOMI
Effect of pressure on mode transition point of partially relaxed states with peripheral loss 20 p3411 N91-28906
KONDRAKOV, V. M.
Diagnostic possibilities of inflight EKG monitoring of flight crew 01 p0096 N91-10557
KONDRATENKOV, V. I.
Temperature control in thermal batteries
[RAE-LIB-TRANS-2192] 22 p3670 N91-30433
KONDRATYEV, K. Y.
Some results from studies on relationships between the optical-meteorological parameters and solar activity. Part 2: Development of the problem of solar forcing 03 p0448 N91-12504
KONECNY, R.
High power, high frequency lasertron RF sources
[DE91-006007] 11 p1709 N91-19414
KONG, C. W.
Vapor deposition of polyimide and polyimide precursors on copper
[AD-A225729] 04 p0507 N91-12814
KONG, J. A.
Three dimensional transient analysis of microstrip circuits in multilayered anisotropic media
[AD-A229691] 12 p1892 N91-20405
Time domain electromagnetic waves in multilayered media
[AD-A239545] 23 p3857 N91-31504
KONG, JIN AU
Remote sensing of Earth terrain
[NASA-CR-186904] 06 p0839 N91-14635
Remote sensing of earth terrain
[NASA-CR-188658] 19 p3183 N91-27604
KONG, K. S.
Design aspects and comparison between high T(sub c) superconducting coplanar waveguide and microstrip line
[NASA-TM-105142] 19 p3156 N91-27445
KONIGES, A. E.
Detection of coherent structures in the edge of the TEXT tokamak plasma
[DE91-015183] 21 p3588 N91-29958
KONIJNENBERG, MARK WILLEM
Exchange currents in the radiative capture of thermal neutrons by protons and deuterons
[ETN-90-98138] 03 p0417 N91-12333
KONINGSTEIN, ROSS
Experiments in cooperative-arm object manipulation with a two-armed free-flying robot
[NASA-CR-188028] 13 p2094 N91-21529
Experiments in cooperative-arm object manipulation with a two-armed free-flying robot 22 p3685 N91-30518
KONISHI, TETSURO
Diffusion and relaxation in Hamiltonian chaos 20 p3415 N91-28934
KONKEL, CARL R.
IVA the robot: Design guidelines and lessons learned from the first space station laboratory manipulation system 12 p1935 N91-20643
KONNERTH, A., III
Facet development for a faceted stretched-membrane dish by Solar Kinetics, Inc.
[DE91-016866] 23 p3890 N91-31713
Design and cost of the first commercial stretched-membrane heliostat
[DE91-016870] 23 p3891 N91-31715
KONNO, I.
Modeling the coma of 2060 Chiron 17 p2892 N91-25986
KONNO, ICHISHIRO
Workshop on Observations of Recent Comets (1990)
[NASA-CR-188960] 12 p2001 N91-21012
Disturbances of three cometary magnetospheres as explained by an MHD simulation 12 p2006 N91-21039
Modeling the dust size distribution in comets with dust fragmentation 12 p2006 N91-21042
KONNO, KIMIAKI
Soliton on thin vortex filament
[NIFS-63] 10 p1593 N91-18785
KONO, H.
Reaction kinetics of the Ca-SO2 system in absence of inter-grain pore diffusion
[DE90-009672] 01 p0132 N91-10781
KONO, NORIO
Hoelder continuity of sample paths of some self-similar stable processes
[AD-A225989] 04 p0577 N91-13208
KONOPELCHENKO, B. G.
On 2+1-dimensional nonlinear integrable systems of Loewner-type
[MATHS-REPT-A-140] 15 p2494 N91-23813
An r-matrix approach to nonstandard classes of integrable equations
[MATHS-REPT-A-149] 24 p4092 N91-32861
KONOTCHICK, JOHN
Feature set evaluation for classifiers
[AD-A226903] 06 p0860 N91-14751
Feature set evaluation for classifiers
[AD-A226905] 06 p0860 N91-14753
KONRAD, C. H.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Performance of hypervelocity armatures with replenished metal vapor plasmas
[DE91-011931] 18 p2934 N91-26187
KONSTANTINOVA, IRENA V.
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619
KONVALINKA, T. A.
Strict least squares adjustment of the geometric conditions in a digital coordinate set
[ETN-91-99423] 17 p2801 N91-25499
KOO, BON-CHUL
Molecules, grains, and shocks: A comparison of CO, H I, and IRAS data 06 p0900 N91-14975
Infrared cirrus point sources 06 p0900 N91-14978
KOOCHESFAHANI, M. M.
Effects of external forcing on entrainment ratio and fluid composition in turbulent shear layers
[AD-A236487] 19 p3164 N91-27495
KOODALATTUPURAM, CHITHRABHANU
An experimental study of an axisymmetric turbulent boundary layer disturbed by a periodic freestream 02 p0210 N91-11175
An experimental study of an axisymmetric turbulent boundary layer disturbed by a periodic freestream 15 p2363 N91-23078
KOOI, SUSAN A.
Tropospheric ozone and aerosols measured by airborne lidar during the 1988 Arctic boundary layer experiment 17 p2794 N91-25455
Airborne lidar measurements of ozone during the 1989 airborne Arctic stratospheric expedition 17 p2794 N91-25456
KOOIJ, ROBERT E.
Existence and uniqueness of limit cycles in quadratic systems of class (III) sub l=m=0
[REPT-90-56] 07 p1059 N91-15825
Some properties of cubic systems
[REPT-90-62] 10 p1584 N91-18727
KOOIJMAN, P.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
KOOKER, D. E.
BRLCB: A closed chamber data analysis program with provisions for deterred and layered propellants
[AD-A235618] 19 p3144 N91-27376
KOOKER, DOUGLAS E.
Modeling of compaction wave behavior in confined granular energetic material
[AD-A226435] 04 p0512 N91-12845
KOOLE, GER
On the shortest queue policy for the tandem parallel queue
[TW-90-08] 14 p2320 N91-22811
KOOMEN, P. J.
A design method for an X-band diplexer
[FEL-90-B176] 05 p0654 N91-13635
KOONS, HARRY C.
A sunspot maximum prediction using a neural network
[AD-A225866] 04 p0610 N91-13392
KOONTZ, M. D.
Airliner cabin environment: Contaminant measurements, health risks, and mitigation options
[PB91-159384] 18 p3034 N91-26746
KOONTZ, R. F.
High gradient electron guns
[DE91-000056] 06 p0790 N91-14369
KOONTZ, S. L.
A comparison of ground-based and space flight data: Atomic oxygen reactions with boron nitride and silicon nitride
[NASA-TM-103385] 10 p1555 N91-18550
Atomic oxygen degradation of Intelsat 4-type solar array interconnects: Laboratory investigations
[NASA-TM-102175] 13 p2051 N91-21286
KOONTZ, STEVEN
Method for anisotropic etching in the manufacture of semiconductor devices
[NASA-CASE-MSC-21631-1] 24 p4106 N91-32947
KOOPMAN, J.
Aerodynamics and stabilization of combustion of hydrogen jets injected into subsonic airflow 15 p2378 N91-23164
KOOPMAN, P. W. M.
The ABC-machine: A sequential stack-based abstract machine for graph rewriting
[TR-90-22] 23 p3909 N91-31824
Inventory and functional prototypes of neural networks
[TR-90-15] 23 p3917 N91-31880
KOOPMANN, H. J. C.
Columbus logistics support. A conceptional definition of the operational phase
[MBB-UO-0093-90-PUB] 01 p0015 N91-10091
KOOPMANS, G.
The critical temperature for drying-out of soils around power cables as a function of local conditions 23 p3941 N91-32025
Adjustment of the mixing-rate constant in the eddy break-up model for a jet flame 23 p3941 N91-32030
KOORN, J. W. C.
Substring parsing for arbitrary context-free grammars
[CWI-CS-R9037] 17 p2832 N91-25650
GSE, a generic syntax-directed editor
[CWI-CS-R9045] 17 p2833 N91-25654
KOORNWINDER, TOM H.
On q-analogues of the Fourier and Hankel transforms
[REPT-89-89] 01 p0114 N91-10666
Askey-Wilson polynomials as zonal spherical functions on the SU(2) quantum group
[CWI-AM-R9013] 10 p1582 N91-18715
Continuous Hahn polynomials of differential operator argument and analysis on Riemannian symmetric spaces of constant curvature
[CWI-AM-R9015] 10 p1582 N91-18716
Handling hypergeometric series in Maple
[CWI-AM-R9014] 17 p2832 N91-25648
KOOS, D. A.
Structure and stability of underpotentially depositied layers on Au(111) studied by optical second harmonic generation
[AD-A237087] 21 p3474 N91-29268
KOOZER, MARK A.
Ames Research Center C-130 17 p2797 N91-25474
KOPANSKI, J. J.
MIS capacitor studies on silicon carbide single crystals
[NASA-CR-187350] 02 p0276 N91-11555

KOPELL, N.
Center for the study of rhythmic processes
[AD-A230166] 12 p1929 N91-20613
Center for the study of rhythmic processes
[AD-A230271] 12 p1929 N91-20614
Mathematical problems concerning rhythmic processes
[AD-A234588] 18 p3051 N91-26845
KOPKA, H.
VLF, ELF, and ULF wave research using the Tromso heating facility 10 p1547 N91-18512
KOPLIN, KLAUS
Certification process for aeroplane type Dornier Do 328 03 p0310 N91-11737
KOPLOW, M.
Development of a gas engine-driven chiller
[PB91-130237] 13 p2068 N91-21389
KOPLOW, MIKE
Development of a gas engine-driven chiller
[PB90-270414] 09 p1321 N91-17252
KOPP, GREG
Chromospheric dynamics based on infrared solar brightness variations 17 p2918 N91-26104
KOPP, ROGER A.
A semi-analytical model of stellar flares
[DE90-016434] 01 p0139 N91-10817
Coronal heating by nanoflares: Plasma dynamics of elementary events
[DE90-016495] 01 p0141 N91-10830
KOPPANG, PAUL A.
Hydrogen masers with cavity frequency switching servos 17 p2853 N91-25777
KOPPEL, RELA
Enzymatic oxidation of monoclonal antibodies by immobilized bi-functional enzyme complexes 14 p2296 N91-22693
Enhanced activity of immobilized dimethymaleic anhydride-protected poly- and monoclonal antibodies 14 p2296 N91-22695
KOPPELMANS, J. F.
Validation of diffraction theory by means of extensive measurements, part 1
[AD-A236480] 19 p3151 N91-27418
KOPPER, F. C.
Coolant side heat transfer with rotation. Task 3 report: Application of computational fluid dynamics
[NASA-CR-182109] 16 p2628 N91-24551
KOPTEV, V. P.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
KORATKAR, ANURADHA PURUSHOTTAM
Emission line regions in active galactic nuclei: Structure, kinematics, physical conditions, and chemical abundances 20 p3441 N91-29095
KORB, BRADLEY
An investigation of messy genetic algorithms
[NASA-CR-187268] 04 p0557 N91-13086
KORB, LARRY
Edge technique for measurement of laser frequency shifts including the Doppler shift
[NASA-CASE-GSC-13343-1] 20 p3351 N91-28557
KORDAS, J. F.
WFOV star tracker camera
[DE91-012776] 20 p3282 N91-28148
KORDULLA, W.
Comparison of solution of various Euler solvers and one Navier-Stokes solver for the flow about a sharp-edged cropped delta wing
[ETN-91-99508] 22 p3614 N91-30106
KORDYUM, E. L.
Plant protoplast development on Biokosmos 9 11 p1758 N91-19674
KORELSKY, TANYA
Romulus: A computer security properties modeling environment overview, volume 1
[AD-A236128] 22 p3723 N91-30717
Romulus: A computer security properties modeling environment. Volume 2A: The theory of security
[AD-A236129] 22 p3723 N91-30718
Romulus: A computer security properties modeling environment. Volume 2B: MATHESIS
[AD-A236130] 22 p3723 N91-30719
KOREN, B.
Damped, direction-dependent multigrid for hypersonic flow computations
[CWI-NM-R8922] 02 p0156 N91-10905
KOREN, BARRY
Defect correction and nonlinear multigrid for steady Euler equations
[CWI-NM-R9007] 10 p1583 N91-18722
Spurious entropy generation in a non-smooth geometry
[CWI-NM-R9009] 10 p1583 N91-18724
Low-diffusion rotated upwind schemes, multigrid and defect corrections for steady, multi-dimensional Euler flows
[CWI-NM-R9021] 17 p2730 N91-25117
KORISTA, KIRK THOMAS
The nature of emission-line profile variability and the structure of the line-emitting regions in active galactic nuclei 16 p2702 N91-24963
KORJACK, THOMAS A.
Diffusive, electrostatic concentration of disintegration products of inert gases in vortex flow
[AD-A232876] 15 p2429 N91-23457
Mass transfer of decaying products in vortex pipe flow with gravity effect
[AD-A232875] 16 p2624 N91-24529
KORKAN, KENNETH D.
Experimental verification of a new laminar airfoil: A project for the graduate program in aeronautics
[NASA-CR-188772] 22 p3612 N91-30092
KORNBLUM, B. T.
MONT3E: A Monte Carlo electron heat transfer code
[DE90-012091] 02 p0270 N91-11514
KORNBLUM, H.
Soft x ray detection with diamond photoconductive detectors
[DE91-000418] 04 p0585 N91-13264
KORNILOVA, L. N.
Relationship between orthostatic stability and post-space flight vestibular function in man 10 p1561 N91-18586
Human and animal results on vestibular research in space: VERIS 11 p1753 N91-19642
Features of optokinetic, optooculomotor and vestibulooculomotor responses in weightlessness 17 p2822 N91-25592
Vestibular reactions and intersensory interactions in weightlessness: Results of Optokinez experiment 18 p3025 N91-26698
State and forms of adaptation of vestibular function after space flights 18 p3026 N91-26706
KORNIYENKO, L. S.
Intracavity second-harmonic generation by laser with optical delay line and mode locking 11 p1788 N91-19808
KORNIYENKO, VLADIMIR V.
The national- and international-wide prospects of future improvements of position location and time synchronization systems and aids 17 p2858 N91-25800
KORNOUKHOV, V. N.
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058
KOROBKIN, D. V.
Breakup of femtosecond pulses during amplification in Er(3+)-doped single-mode optical fibers 11 p1788 N91-19812
KOROBKO, E. V.
The rheological behaviour and thixotropy of electrorheological suspensions in differing temperature/velocity conditions
[RAE-LIB-TRANS-2182] 16 p2619 N91-24500
KOROBOV, V. A.
Temperature control in thermal batteries
[RAE-LIB-TRANS-2192] 22 p3670 N91-30433
KOROGOD, V.
RELICT 2 project: Scientific program and structure 13 p2174 N91-21998
KOROLKOV, V. I.
Adaptive responses in monkeys during two week space flight 11 p1754 N91-19645
Features of terrestrial nighttime sleep of monkeys and sleep during space flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27728
KOROS, W. J.
Synthesis and analysis of novel polymers with potential for providing both high permselectivity and permeability in gas separation applications
[DE91-008283] 11 p1689 N91-19309
KORPINEN, LEENA
The physiological effects of 50/60 Hz electromagnetic fields: Standards and guidelines
[DE91-752996] 13 p2127 N91-21705
KORPORAAL, A.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
KORS, DAVID L.
Design considerations for combined air breathing-rocket propulsion systems
[AIAA-90-0098] 15 p2377 N91-23158
KORSAH, K.
Analysis of neutron noise spectra using neural networks
[DE91-007676] 15 p2489 N91-23785
KORSCH, RUSSELL J.
Geological and Geophysical Studies in the Amadeus Basin, Central Australia, Bulletin 236
[BMR-BULL-236] 19 p3191 N91-27647
The evolution of the Amadeus Basin, central Australia 19 p3191 N91-27648
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin 19 p3192 N91-27650
Seismic interpretation and thrust tectonics of the Amadeus Basin, central Australia, along the BMR regional seismic line 19 p3197 N91-27672
Remote sensing of natural hydrocarbon seepage at the Palm Valley Gas Field, Amadeus Basin, central Australia 19 p3198 N91-27680
KORSON, TIM
Software maintenance exercises for a software engineering project course
[AD-A235779] 19 p3222 N91-27809
KORSTEN, MAARTEN J.
Three-dimensional body parameter estimation from digital images
[ISBN-90-9002738-6] 03 p0402 N91-12234
KORTE, JOHN J.
An explicit upwind algorithm for solving the parabolized Navier-Stokes equations
[NASA-TP-3050] 10 p1457 N91-18032
KORTE, R.
Effect of guideway discontinuities on magnetic levitation and drag forces
[DE91-014011] 20 p3395 N91-28815
KORTE, R. M.
Specification of IRAS confused regions
[AD-A230568] 12 p2007 N91-21048
Analysis of IR celestial survey experiment
[AD-A235997] 19 p3226 N91-27831
KORTELING, J. E.
Proposal for a new performance evaluation and feedback system for the Leopard 2 driving simulator
[IZF-1990-A-40] 22 p3625 N91-30167
KORTH, A.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010
KORTH, G. E.
Dynamic consolidation of aluminum-silicon carbide composites
[DE91-001929] 06 p0802 N91-14427
Effects of various parameters on the fatigue life of alloy 718
[DE91-014100] 20 p3320 N91-28380
Tensile properties and microstructure of Alloy 718 thermally aged to 50,000 h
[DE91-014099] 21 p3479 N91-29299
KORTING, P. A. O. G.
Solid fuel combustion chamber
[LR-648] 11 p1673 N91-19222
Theoretical and experimental performance of a solid fuel ramjet combustion cycle for hypersonic flight conditions 15 p2379 N91-23170
KORTRIGHT, J. B.
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
KORTRIGHT, JEFFREY B.
Microstructure and stability comparison of nanometer period W/C, WC/C, and Ru/C multilayer stru tures
[DE91-005232] 09 p1303 N91-17150
Fresnel fringe effects at interfaces of thin multilayer structures
[DE90-015312] 12 p1985 N91-20923
KORTSCHOT, HENDRIKA W.
Vestibular function in altered states of gravity 11 p1742 N91-19579
Pupil size in parabolic flight 11 p1762 N91-19683
KORYCANSKY, DONALD GEORGE
Numerical calculations of the formation and evolution of giant planets with rotation 02 p0293 N91-11643
KORZEKWA, D. A.
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
KORZENNIK, SYLVAIN GEREON
Seismic analysis of the sun from intermediate and high-degree p-modes 17 p2918 N91-26105
KOSAI, M.
Dynamic fracture analysis by moire interferometry
[AD-A230383] 12 p1913 N91-20524
KOSAKA, KATSUAKI
Performance of the N2H4/MMH mixed fuel regeneratively cooled engine
[NAL-TR-1082] 17 p2743 N91-25180
KOSANOVICH, M.
Development of a low temperature catalytic combustor for small gas turbine applications
[PB91-161273] 18 p2993 N91-26529

KOSEFF, J. R.
Fluid dynamics of double diffusive systems
[DE91-017401] 24 p4018 N91-32465
KOSEK, J. A.
Corrosion-resistant catalyst supports for phosphoric acid fuel cells
[DE91-001713] 05 p0682 N91-13794
Improved anode catalysts for coal gas-fueled phosphoric acid fuel cells
[DE90-009683] 08 p1170 N91-16442
KOSEK, WIESLAW
On high frequency spectral analysis of very noisy stochastic processes and its application to ERP series determined by VLBI and SLR
[AD-A236987] 19 p3184 N91-27608
KOSHAK, WILLIAM JOHN
Analysis of lightning field changes produced by Florida thunderstorms
[NASA-TM-103539] 17 p2814 N91-25555
Analysis of lightning field changes produced by Florida thunderstorms 22 p3708 N91-30640
KOSHELYAEVSKY, N. B.
USSR national time unit keeping over long interval using an ensemble of H-masers 17 p2851 N91-25763
KOSHIDE, SHINICHI
Application of the birefringent-coating method to CFRP
[NAL-TR-1085] 17 p2746 N91-25196
KOSHIISHI, HAJIME
Experimental manufacturing of performance evaluation system for solid image sensor
[NAL-TM-591] 02 p0215 N91-11200
KOSHIOKA, YASUHIRO
Generation of 3-D grid using boundary element method 04 p0455 N91-12545
The CFD analysis related aerospace in Fuji Heavy Industries, Ltd. 13 p2067 N91-21383
Blended wing-body configuration design using transonic inverse code 24 p3945 N91-32047
A numerical simulation of two dimensional shear layer 24 p3947 N91-32060
KOSHIZAKI, NAOTO
A study on prediction of life due to creep behavior in CF/EPOXY and CF/PEEK laminates 11 p1674 N91-19226
KOSHIZUKA, N.
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
Weak links within a Bi2Sr2Ca1Cu2O(x) single crystal by magnetization and direct optical observations
[DE91-016085] 23 p3933 N91-31979
KOSHIZUKA, NAOKI
Specific heat of YBa2Cu4O8 near Tc
[DE91-005898] 10 p1605 N91-18853
KOSINSKI, JOHN
Lithium tetraborate transducer cuts
[AD-A226028] 04 p0519 N91-12889
Evaluation of acceleration-induced phase noise in surface acoustic wave devices
[AD-A226027] 04 p0579 N91-13226
Numerical analysis of composite dielectrics: Preliminary results for two dimensions
[AD-A231519] 14 p2239 N91-22386
KOSINSKI, R.
Software supplier evaluation and assessment 04 p0459 N91-12564
KOSITSKY, J.
Scale-model charge-transfer technique for measuring enhancement factors 24 p4055 N91-32651
KOSKI, J. A.
Graphite-metal brazing for thermal applications
[DE91-016647] 24 p4106 N91-32944
KOSKIE, JOHN E.
Polymer drag reduction of a zero pressure gradient boundary layer
[AD-A237572] 21 p3514 N91-29510
KOSKIMAKI, MATTI
Evolution of fatigue crack in welds 07 p1016 N91-15578
KOSKO, BART
Stability and adaptation of neural networks
[AD-A230108] 12 p1964 N91-20807
Fuzzy associative memories 13 p2140 N91-21779
KOSLOSKY, JOHN
Transportable payload operations control center 14 p2223 N91-22294
KOSLOVA, S. B.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679
KOSMATKA, J. B.
A new beam theory using first-order warping functions 01 p0051 N91-10307
KOSOBUD, R. F.
Tradeable permits for global warming control: Implications for regional economies and public utilities
[DE91-010822] 17 p2807 N91-25520
KOSOV, A.
RELICT 2 project: Scientific program and structure 13 p2174 N91-21998
KOSOWSKY, RICH P.
Affordable tactical low altitude satellite technology task
[AD-A229997] 12 p1853 N91-20185
KOSS, D. A.
Microstructural evolution in rapidly solidified Cu-Nb powders
[AD-A225860] 04 p0588 N91-13282
Flow behavior of Ti-24Al-11Nb at high strain rates
[DE91-004506] 06 p0810 N91-14473
Advanced processing and properties of high performance alloys
[AD-A234746] 18 p2954 N91-26299
Microstructural investigations of rapidly solidified Cu-Nb alloy powders produced by inert gas atomization
[AD-A235428] 19 p3133 N91-27312
KOSSACKI, K., JR.
Plasma waves as a signature of flux transfer events 01 p0071 N91-10427
KOSSEN, LOUIS
Resolution and logical consequences
[CWI-CS-R9023] 10 p1579 N91-18689
KOSSEY, PAUL A.
Artificial Ionospheric Mirrors (AIM). A: Concept and issues 10 p1550 N91-18525
On the feasibility of microwave produced Bragg reflector: Examined by the chamber experiment 10 p1550 N91-18528
Planning for coordinated space and ground-based ionospheric modification experiments 10 p1552 N91-18535
KOSSLER, W. J.
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
KOST, ALAN
Optical NIPI device characterization
[AD-A231157] 13 p2162 N91-21922
KOST, MICHAEL
Biological action of single accelerated heavy ions on individual yeast cells 11 p1760 N91-19683
KOST, Y.
Blind deconvolution for Doppler centroid estimation in high frequencies SAR
[REPT-90-034] 10 p1514 N91-18335
KOSTAS, J. G.
Statistical characterization of a mode-stirred chamber
[DE90-014860] 01 p0034 N91-10202
KOSTELECKY, V. A.
Supercoherent states and physical systems
[DE91-014598] 21 p3602 N91-30040
KOSTELNIK, K. M.
Guidelines for acquisition, installation, and testing of performance assessment software
[DE91-013910] 20 p3387 N91-28764
KOSTENKO, V.
Small Space Lab as a basic spacecraft of Regatta project 01 p0070 N91-10423
KOSTER, RANDAL D.
A simplified treatment of SiB's land surface albedo parameterization
[NASA-TM-104538] 12 p1926 N91-20598
KOSTERS, MENNO
High-order implicit blending surfaces of low degree
[CS-9005] 02 p0262 N91-11461
KOSTERS, MENNO T.
An extension of the potential method to higher-order blendings
[CS-9103] 23 p3919 N91-31893
On a theorem of MacMahon
[CS-9104] 23 p3920 N91-31894
KOSUGE, M.
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
KOSUGI, S.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
KOSUT, ROBERT L.
Adaptive control of large space structures
[AD-A227304] 06 p0792 N91-14377
KOSZORU, ARTHUR A.
A new high-progressivity/high-density propulsion concept: Partially cut multiperforated stick propellant
[AD-A234255] 18 p2969 N91-26391
KOT, M.
Chaos and microbial systems
[DE91-014908] 20 p3436 N91-29064
KOTANEN, A. R.
Evaluation of Shadow Moire for surface deformation detection and measurement
[NAE-LTR-ST-1737] 21 p3529 N91-29604
KOTANYI, C.
NGC3309: An S-shaped radio galaxy in a nearby cluster
[INPE-5143-PRE/1631] 13 p2181 N91-22054
KOTCHETKOV, Y.
On the structure of special vectors of the Virasoro algebra
[MEMO-927] 22 p3746 N91-30877
KOTH, HOWARD E.
Effects of 1, 2, 3, and 4 Hz imposed bulk flow oscillations on transition in a straight channel with 40 to 1 aspect ratio
[AD-A237988] 21 p3515 N91-29517
KOTHE, G.
The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752
KOTLAR, ANTHONY J.
Improving spectral fits of absorption data taken with an array detector: Wavelength linearization
[AD-A228213] 07 p0987 N91-15420
KOTLER, ZVI
Simulation of quantum dynamical processes in condensed phase
[ITN-91-85069] 07 p1075 N91-15918
KOTOV, A. N.
Orthostatic stability of dehydrated healthy men 19 p3210 N91-27746
KOTOVSKAIA, A.
The biological and medical programme of the manned Aragatz mission on the Mir Space Station 11 p1749 N91-19617
KOTOVSKAYA, A. R.
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
KOTSUBO, V.
Superfluid Stirling refrigerator: A new method for cooling below 1 Kelvin
[DE91-002311] 05 p0645 N91-13582
KOTTA, U.
Dynamic disturbance decoupling for discrete-time nonlinear systems
[MEMO-913] 23 p3912 N91-31843
KOTTHAUS, R.
Prospects of CsJ(Tl)-photodiode detectors for low level spectroscopy
[MPI-PAE/EXP.EL-228] 05 p0714 N91-13984
KOTTKE, T.
Explosive consolidation of combustion synthesized TiB2 and TiC: Microstructural properties
[AD-A226390] 04 p0504 N91-12800
KOTULSKI, JOSEPH D.
Numerical modeling tools for transient electromagnetic problems
[DE90-010328] 08 p1124 N91-16180
KOUBEK, RICHARD J.
The role of training, individual differences and knowledge representation in cognitive-oriented task performance
[AD-A231798] 14 p2299 N91-22709
KOUCHAKDJIAN, ARA
The cleanroom case study in the Software Engineering Laboratory: Project description and early analysis
[NASA-TM-103390] 09 p1379 N91-17584
KOUCHI, A.
Evaporation of H2O-CO2-CH4-CO ice and its implication for the evolution of ice grains 10 p1623 N91-18953
KOUL, A. K.
Rejuvenation of service exposed alloy 713C turbine blades
[NAE-LTR-ST-1716] 21 p3458 N91-29179
The failure of components in power generation equipment
[NAE-LTR-ST-1774] 21 p3458 N91-29180
KOUNALAKIS, MICHAEL EMMANUEL
Structure and radiation properties of turbulent diffusion flames 16 p2592 N91-24364
KOURA, KATSUHISA
Comparison between the null-collision and time counter direct-simulation Monte Carlo methods: Leading-edge flow
[NAL-TR-1016T] 01 p0003 N91-10012
A sensitive test for accuracy in evaluation of molecular collision number in the direct-simulation Monte Carlo method
[NAL-TR-1050T] 01 p0120 N91-10712
Numerical simulation of the Knudsen layer dynamics using the direct simulation Monte Carlo method 04 p0456 N91-12547
Rarefied gas numerical wind tunnel. 5: Vortex shedding behind an inclined flat plate 04 p0456 N91-12548

Rarefied gas numerical wind tunnel
04 p0467 N91-12618
Rarefied gas numerical wind tunnel 6: Delta wing
24 p3944 N91-32039

KOURI, DONALD J.
Theoretical studies of molecular collisions
[NASA-CR-188190] 14 p2325 N91-22846

KOURTIDES, DEMETRIUS A.
Composite flexible insulation for thermal protection of space vehicles
[NASA-TM-103836] 11 p1688 N91-19304
Flame-retardant composite materials
15 p2539 N91-24064
Composite flexible blanket insulation
[NASA-CASE-NPO-11907-1-NP]
23 p3807 N91-31236

KOUVARITAKIS, B.
Application of generalized predictive control to a boiler turbine unit for electricity generation
[OUEL-1823/90] 01 p0039 N91-10229
Casual eigenvector function approximations and the problem of scaling: An algorithm
[OUEL-1822/90] 01 p0110 N91-10644
Bounded-error data, and frequency response design
[OUEL-1766/89] 01 p0116 N91-10683
H 2 and H infinity approximations for eigenvalue/vector functions of transfer matrices
[OUEL-1778/89] 01 p0116 N91-10684

KOVACIC, L.
Development of diode laser-ignited pyrotechnic and explosive components
[DE90-011238] 09 p1319 N91-17245

KOVACS, AUSTIN
Development of an airborne sea ice thickness measurement system and field test results
[AD-A224867] 03 p0385 N91-12144

KOVACS, L. M.
Optical remote sensing
[PB91-169755] 19 p3184 N91-27609

KOVAL, CARL A.
Investigation of redox processes at semiconductor electrode liquid junctions
[DE91-001787] 06 p0880 N91-14858

KOVALENKO, YE. A.
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-008] 01 p0098 N91-10570
Biochemical aspects of human adaptation to combined effect of antiorthostasis, decreased barometric pressure, and increased oxygen content 18 p3024 N91-26694

KOVARIK, F.
Simulation of pore scale porous media flow using lattice gas methods
[DE91-004829] 18 p2986 N91-26484

KOVERO, A.
Use of pinch-technology in the design and calculation of heat exchanger networks
[DE91-771948] 17 p2805 N91-25506

KOVESI-DOMOKOS, S.
Research in theoretical physics
[DE91-002458] 05 p0729 N91-14071
Variational method in the statistical theory of turbulence
[AD-A231621] 13 p2084 N91-21484

KOWALCZYK, R. S.
Recent developments in laser-driven polarized sources
[DE91-006600] 10 p1529 N91-18419

KOWALSKI-GLIKMAN, J.
BRST formulation of the Gupta-Bleuler quantization method
[NIKHEF-H/90-7] 04 p0574 N91-13190

KOWALSKI, BERNADETTE
Explanation-based learning of correctness: Towards a model of the self-explanation effect
[AD-A225644] 07 p1054 N91-15791

KOWALSKI, JOSEPH F.
Advanced Dynamic Anthropomorphic Manikin (ADAM) design report
[AD-A234761] 18 p3036 N91-26756

KOWALSKI, M.
Free flow electrophoresis experiment TEPE 3 on Texus 24
[MBB-UO-0130-90-PUB] 11 p1692 N91-19321
Free flow electrophoresis experiment TEPE 3 on TEXUS 24
11 p1755 N91-19654

KOWALSKY, K. A.
HVOF: Particle, flame diagnostics, and coating characteristics
[DE91-014654] 23 p3809 N91-31248

KOWEL, STEPHEN T.
Optical shared memory system demonstration model
[AD-A226431] 05 p0651 N91-13612

KOWITT, M.
Automatic tracking of the intersection of a laser and electron beam
[DE91-007740] 10 p1531 N91-18434

KOWLER, EILEEN
Eye movements and visual information processing
[AD-A226782] 06 p0854 N91-14714

KOZHUKHOVSKY, A. I.
The possibility of making fast measurements of ion distribution functions 01 p0072 N91-10438

KOZIN, F.
Reaction rate engineering models of fatigue crack growth
[AD-A236975] 19 p3181 N91-27590

KOZLOVA, S. B.
Principle and realization of the instrument used for the CIRCE experiment on board the Mir station
11 p1760 N91-19684

KOZLOVSKAYA, I. B.
Medical results of the fourth prime expedition on the orbital station Mir 11 p1742 N91-19576
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588
Neurological findings after 72 hours water immersion
11 p1745 N91-19597
Human and animal results on vestibular research in space: VERIS 11 p1753 N91-19642
Review of primary medical results of year-long flight on Mir station 18 p2933 N91-26178
Survey of the principal results of medical research in the flight program of the second main expedition aboard the Mir orbiting complex 18 p3022 N91-26686

KOZLOVSKY, B.
The Li-7 and Be-7 deexcitation lines: Probes for accelerated particle transport models in solar flares
[NASA-CR-183490] 23 p3940 N91-32020

KOZLOWSKI, M. R.
Damage resistant optics for a mega-joule solid-state laser
[DE91-006246] 09 p1343 N91-17376
Laser conditioning and electronic defect measurements of HfO2 and SiO2 thin films
[DE91-006237] 09 p1415 N91-17788
Influence of diamond turning and surface cleaning processes on the degradation of KDP crystal surfaces
[DE91-015300] 21 p3601 N91-30035
The surface morphology of as-deposited and laser-damaged dielectric mirror coatings studied in situ by atomic force microscopy
[DE91-016571] 24 p4101 N91-32917

KOZMA, L.
Adhesion of metals on ceramic substrates (MASER 2) ESA 23 p3850 N91-31463

KOZMINCHUK, BRIAN W.
Excision techniques in direct sequence spread spectrum communication systems
[AD-A231290] 13 p2136 N91-21763

KOZODEROV, V. V.
Soviet participation in FIFE-1989 remote sensing study
22 p3626 N91-30173

KOZUKA, Y.
Disturbances of three cometary magnetospheres as explained by an MHD simulation
12 p2006 N91-21039

KOZYREV, A. B.
Limiting pulse signal in NbN-Si structure: Superconductor film on substrate
11 p1789 N91-19815

KRAAIJEVANGER, J. F. B. M.
Maximum norm contractivity of discretization schemes for the heat equation
[TW-90-06] 14 p2338 N91-22924

KRABACH, T. N.
Novel Si(1-x)Ge(x)/Si heterojunction internal photoemission long wavelength infrared detectors
06 p0797 N91-14401

KRABBE, A.
High resolution imaging for Brackett gamma and H2 1-0 S(1) emission in the Seyfert galaxy NGC 1068
[MPE-PREPRINT-192] 15 p2368 N91-23104

KRABILL, WILLIAM B.
High-resolution measurements of surface topography with airborne laser altimetry and the global positioning system 17 p2795 N91-25462
Applying kinematic GPS to airborne laser remote sensing 17 p2798 N91-25475

KRACK, KENNETH
Comparison of two on-orbit attitude sensor alignment methods 09 p1287 N91-17074

KRAEMER, G.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974

KRAEMER, V.
Thermoanalytic and electric analyses of the TlSbSe2 semiconductor 14 p2334 N91-22900

KRAFT, L. ALAN
Development of an analytical tool to study power quality of AC power systems for large spacecraft
[NASA-TM-104451] 17 p2849 N91-25749

KRAFT, PATRICIA A.
Synthesis and thermal properties of strontium and calcium peroxides
[NASA-TM-103725] 14 p2243 N91-22410

KRAFT, RAYMOND H.
Integrated control-structure design
[NASA-CR-182020] 07 p0945 N91-15180

KRAFT, W.
COMTESS: Combat Mission Training Evaluation and Simulation System 07 p1046 N91-15742

KRAIMER, M. R.
The APS radio frequency test stand control system
[DE91-015711] 21 p3502 N91-29434

KRAJEWSKI, WITOLD F.
Optimal combining of ground-based sensors for the purpose of validating satellite-based rainfall estimates
[NASA-CR-188185] 14 p2291 N91-22669

KRAKOWSKI, R. A.
ZTI: An ignition class reversed-field pinch
[DE91-000447] 04 p0584 N91-13260
ZTI: Preliminary characterization of an ignition class reversed-field pinch
[DE91-007353] 10 p1603 N91-18845

KRAL, LAURIE
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623

KRALL, J.
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
Simulation studies of a klystronlike amplifier operating in the 10 to 100 GW regime
[AD-A229858] 12 p1891 N91-20398
The impact of the three-wave instability on the spiral line induction accelerator
[AD-A229758] 12 p1979 N91-20888
High power klystron amplifier
[AD-D014862] 18 p2979 N91-26448

KRALL, JONATHAN
Vlasov simulations of very-large-amplitude wave generation in the plasma wakefield accelerator
[AD-A237428] 21 p3588 N91-29961

KRALLIS, K.
Laser initiated ignition of liquid propellant
[AD-A233777] 18 p2968 N91-26388

KRAMER, ARTHUR F.
Information extraction from visual displays and the event-related brain potential
[AD-A227063] 06 p0855 N91-14722
The object display in decision making and judgment
[AD-A227059] 06 p0885 N91-14889

KRAMER, D. P.
Hot isostatic pressing of high performance glass-ceramic to nickel- and iron-based metal components
[DE91-008130] 11 p1684 N91-19281
Feasibility of a laser-ignited HMX deflagration-to-detonation transition device for the US Navy LITES Program
[DE91-015210] 21 p3493 N91-29382

KRAMER, E. J.
Fundamental studies of electronic packaging materials and structures: Surface and interfaces
[AD-A232336] 15 p2420 N91-23403

KRAMER, G.
An overview of the NASA electronic components information management system
24 p4002 N91-32369

KRAMER, GORDON
Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
Performance measurements of hybrid PIN diode arrays
[DE90-010308] 08 p1232 N91-16790

KRAMER, J. M.
Microstructural evolution in a ferritic-martensitic stainless steel and its relation to high-temperature deformation and rupture models
[DE91-006471] 09 p1316 N91-17227

KRAMER, JAMES J.
Aeronautical component research
04 p0462 N91-12584

KRAMER, M. J.
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373

KRAMER, RICHARD D.
Evaluation of proposed rocket engines for Earth-to-orbit vehicles 16 p2569 N91-24240

KRAMER, T. R.
Extracting STEP geometry and topology from a solid modeler: Parasolid-to-STEP
[PB91-194449] 22 p3749 N91-30897

KRAML, ROBERT P.
Harmonic drive gear error: Characterization and compensation for precision pointing and tracking
16 p2641 N91-24620

KRAMMER, H.
Integrated design analysis and optimization
[MBB/FE2/S/PUB/0398] 07 p0939 N91-15145

KRAMMER, JOHANN
Elastic airplane gust response
[ETN-91-98797] 10 p1473 N91-18118

KRANAKIS, EVANGELOS
Enumeration and visibility problems in integer lattices
[CWI-CS-R8949] 03 p0411 N91-12300
Computing boolean functions on anonymous networks
[CWI-CS-R9011] 07 p1057 N91-15808
Camera placement in integer lattices (extended abstract)
[CWI-CS-R9047] 17 p2779 N91-25383
Computing boolean functions on anonymous hypercube networks (extended abstract)
[CWI-CS-R9040] 17 p2839 N91-25689
Computing boolean functions on Cayley networks (extended abstract)
[CWI-CS-R9061] 17 p2845 N91-25723

KRANEFELD, GEORG
Design and testing of a proton detector
[BONN-IR-90-34] 08 p1221 N91-16729

KRANER, H.
Radiation damage testing of transistors for SSC front-end electronics
[DE91-005440] 09 p1328 N91-17294

KRANER, H. W.
Radiation damage studies on hybrid preamplifiers
[DE91-008411] 11 p1699 N91-19359
Neutron radiation damage studies on silicon detectors
[DE91-008441] 11 p1699 N91-19361

KRANING, KENNETH K., II
Physiological responses to intermittent exercise as modified by heat stress and protective clothing
[AD-A237447] 21 p3548 N91-29716

KRANTZ, RICHARD J.
Threshold voltage and I-V characteristics of AlGaAs/GaAs MODFETs
[AD-A228844] 08 p1135 N91-16248
The role of acceptor density on the high channel carrier density I-V characteristics of AlGaAs/GaAs MODFETs
[AD-A229953] 12 p1985 N91-20925
Subthreshold I-V characteristics of AlGaAs/GaAs MODFETs: The role of unintentional acceptors
[AD-A230110] 13 p2159 N91-21904
Neutron degradation of the I-V characteristics of AlGaAs/GaAs modulation-doped field effect transistors
[AD-A231696] 14 p2330 N91-22876

KRANTZ, TIMOTHY L.
Experimental and analytical evaluation of efficiency of helicopter planetary stage
[NASA-TP-3063] 04 p0533 N91-12956

KRANZ, A. R.
Genetic risk and physiological stress induced by heavy ions 11 p1759 N91-19680
Defective embryogenesis of Arabidopsis induced by cosmic HZE-particles 11 p1760 N91-19682
Arabidopsis thaliana (Heynh.) pollen: A new tool in heavy ions radiation 11 p1760 N91-19685

KRANZ, DAVID
APRIL: A processor architecture for multiprocessing
[AD-A237476] 21 p3553 N91-29739
Lazy task creation: A technique for increasing the granularity of parallel programs
[AD-A237477] 21 p3559 N91-29781
The MIT Alewife machine: A large-scale distributed-memory multiprocessor
[AD-A237705] 21 p3560 N91-29784

KRAPPMANN, KLAUS
Investigation of actions to reduce noise emissions in ultralight aircrafts
[UBA-FB-105-05-303] 04 p0579 N91-13224

KRASILNIKOV, P. S.
Spatial rotations of a satellite in a circular three-body problem for the case of general resonance
18 p2930 N91-26164

KRASKO, GENRICH L.
Effect of hydrogen on the electronic structure of a grain boundary in iron
[AD-A237499] 21 p3595 N91-30002

KRASNER, HERB
Empirical studies of software design: Implications for SSEs 11 p1774 N91-19728

KRASNIKOVA, I. P.
The rheological behaviour and thixotropy of electrorheological suspensions in differing temperature/velocity conditions
[RAE-LIB-TRANS-2182] 16 p2619 N91-24500

KRASNOSELSKIKH, V. V.
Plasma wave measurements on the dayside: Scale sizes and observational requirements
01 p0070 N91-10426
On the possibility to support multisatellite measurements of the Cluster mission by single satellite measurements in the Regatta-Cluster project 01 p0071 N91-10428
Nonstationary processes in the front of high Mach number collisionless quasiperpendicular shock: Dynamics of the ion distribution 06 p0918 N91-15067

KRASNOV, IGOR
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702

KRASNY, R.
Basic research model of natural gas combustion in turbulent flow
[PB91-130260] 11 p1681 N91-19264

KRASOTKIN, A. F.
Cosmic ray charged component variations at sea level
[DE91-615480] 11 p1823 N91-20021

KRATSCH, DIETER
The complexity of coloring games on perfect graphs
[RUU-CS-91-03] 23 p3911 N91-31838

KRATZ, KARL-LUDWIG
Nuclear structure calculations for astrophysical applications
[DE90-016433] 01 p0139 N91-10818

KRATZER, R. H.
Heterocycles based on group 3, 4, and 5 elements: Precursors for novel glasses and ceramics
[AD-A226988] 06 p0812 N91-14487

KRAUKLIS, A.
Individual stereotypes of human neuropsychic prognostic activity in problem situations with different probability structures 18 p3024 N91-26695

KRAUS, GEORGE F.
Low temperature measurement of the vapor pressures of planetary molecules 17 p2878 N91-25920

KRAUS, ROBERT
Mass properties survey of solar array technologies
22 p3635 N91-30226

KRAUS, SARIT
Combining knowledge bases consisting of first order theories
[AD-A232090] 15 p2525 N91-23993

KRAUSE, H. F.
Electron ion interactions in crystal channels: Collisions in ultra-dense electron media
[DE91-004398] 07 p1072 N91-15897
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791

KRAUSE, KEVIN
Application of the finite element method to random rough surface scattering with Neumann boundary conditions
[AD-A231583] 13 p2073 N91-21420

KRAUSE, M. O.
Electron correlation explored through electron spectrometry using synchrotron radiation
[DE91-009917] 14 p2326 N91-22850

KRAUSKOPF, JOHN
Higher order mechanisms of color vision
[AD-A230448] 12 p1929 N91-20617

KRAUSKOPF, P. J.
Crew chief CAD system interface guide (version 2 - SI)
[AD-A231433] 14 p2305 N91-22734

KRAUSS, A. J.
Considerations on optimality of landing gear arrangement and design 20 p3283 N91-28156

KRAUSS, A. R.
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
Li overlayer formation, oxidation, and sputtering characteristics of Al-Li alloys and W/Al-Li composites for fusion applications
[DE91-006529] 09 p1408 N91-17750
A review of basic phenomena and techniques for sputter-deposition of high temperature superconducting films
[DE91-006468] 09 p1416 N91-17795

KRAUT, ROBERT E.
Coordination in large scale software development
[AD-A234898] 18 p3041 N91-26787

KRAUTTER, J.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
Late stages in the evolution of classical novae
09 p1441 N91-17946

KRAVITZ, S. H.
Phased-array antenna control by a monolithic photonic integrated circuit
[DE91-010479] 14 p2258 N91-22490
Direct optical phase shifter for phased-array systems
[DE91-010480] 14 p2327 N91-22857

KRAZINSKI, J. L.
Impact of high-critical-temperature superconductors on electromagnetic pump applications
[DE90-014809] 01 p0128 N91-10759

KREBS, H.
Safety in software for manned mission control: A classification methodology 14 p2219 N91-22269

KRECH, ROBERT H.
Propulsion simulation for magnetically suspended wind tunnel models
[NASA-CR-182093] 02 p0182 N91-11027

KREGEL, MARK D.
Description of a computer fault detector and net isolator
[AD-A238387] 21 p3501 N91-29428

KREHBIEL, P. R.
Observations of lightning processes using VHF radio interferometry 24 p4062 N91-32695

KREIDLER, DAVID
Distributed systems status and control
[NASA-CR-187014] 06 p0857 N91-14733

KREIS, W.
Regeneration and characterization of protoplast-derived cell lines from Digitalis lanata EHRH. and Digitalis purpurea L. suspension cultures after electrofusion under microgravity conditions 11 p1755 N91-19652

KREITNER, R. A.
Tropical cyclone track objective aids for the microcomputer: PCLM, XTRP, PCHP
[AD-A230851] 13 p2121 N91-21675

KREITZBERG, CARL W.
The role of the sea-surface temperature distribution on numerically simulated cyclogenesis during ERICA
24 p4061 N91-32688

KREJSA, EUGENE A.
Noise measurements from an ejector suppressor nozzle in the NASA Lewis 9- by 15-foot low speed wind tunnel
[NASA-TM-103628] 02 p0266 N91-11493
Prediction of the noise from a propeller at angle of attack
[NASA-TM-103627] 02 p0267 N91-11495

KREMER, FRANS G. J.
Trajectory optimization considerations for ramjet engines 15 p2376 N91-23151
Flight mechanical model for performance calculations and interactions between flight vehicle and ramjet in regard to the flight orbit
[DLR-FB-91-03] 24 p3960 N91-32131
Thermodynamic flow description of a ramjet for determination of engine forces and moments
[DLR-FB-91-02] 24 p3962 N91-32139

KREMPL, E.
The rate (time)-dependence mechanical behavior of modified 9Cr-1Mo. Part 2: Isothermal modeling at 538 C
[DE91-011100] 20 p3315 N91-28350
The rate (time)-dependent mechanical behavior of modified 9Cr-1Mo steel. Part 1: Experiments at 538 C
[DE91-011097] 20 p3360 N91-28615

KRENING, DOUGLAS N.
Random logic oxide screening methods
[AD-A230579] 12 p1990 N91-20956

KRESH, KOBI
Graph isomorphism algorithm for verification of VLSI circuits
[ITN-90-85028] 07 p0997 N91-15472

KRESKOVSKY, J. P.
Studying quantum phase-based electronic devices
[AD-A226809] 06 p0822 N91-14541
Numerical simulation of the comparative electrical performance of the permeable base transistor, opposed gate-source transistor and heterostructure launched ballistic field effect transistor
[AD-A228545] 08 p1128 N91-16202

KRESS, J. D.
Model description of transition metals using the rotated second moment approximation
[DE91-016043] 23 p3816 N91-31287

KRESS, MOSHE
On the many-on-one stochastic duel
[CEMA-86/11] 15 p2496 N91-23828

KRESS, R.
Force-reflecting control of a teleoperated system coupling a nonredundant master with a redundant slave
[DE90-012137] 21 p3526 N91-29585

KRESS, R. L.
Volumetric reach comparison of possible end-effectors for the articulated transporter and manipulator system
[DE91-004390] 07 p1011 N91-15552

Controller design for a teleoperator system with dissimilar kinematics and force feedback
[DE91-004391] 07 p1011 N91-15553
Control of a teleoperator system with redundancy based on passivity conditions
[DE91-007679] 10 p1532 N91-18442
Controller design for a force-reflecting teleoperator system with kinematically dissimilar master and slave
[DE91-010187] 16 p2636 N91-24591
Use of force-measuring transducers in manipulator control
[DE91-010809] 16 p2636 N91-24592
Use of force-measuring transducers in manipulator control. Part 2: Implementation
[DE91-010773] 17 p2784 N91-25407

KRESS, ROBERT
Simulation of Martian dust accumulation on surfaces 11 p1662 N91-19160
The effects of lunar dust accumulation on the performance of photovoltaic arrays 22 p3637 N91-30238

KRETSCH, JEFFREY L.
Knowledge base systems in DMA's digital production system
[AD-A230771] 13 p2168 N91-21963

KRETSCHMER, FRANK F., JR.
Missing pulse clutter processing
[AD-A226616] 04 p0516 N91-12870
Performance of an angle-of-arrival estimator in the presence of a mainbeam interference source
[AD-A239629] 23 p3857 N91-31508

KRETTENAUER, KILIAN
Numerical simulation of turbulent convection over wavy surfaces
[DLR-FB-91-12] 24 p4014 N91-32439

KREUZBERG, KARLHEINZ
The slow-rotating centrifuge microscope (NIZEMI): A new research tool for terrestrial and space-related gravitational biology 11 p1757 N91-19663

KREUZER, H. J.
Self-consistent calculation of atomic adsorption on metals in high electric fields
[AD-A236205] 19 p3242 N91-27931

KREUZER, WOLFGANG
Application of modelling and signal processing in air defence 07 p1046 N91-15740

KREYENHAGEN, MICHAEL E.
Comparison of the dynamics of a land versus oceanic explosive cyclone
[AD-A225529] 03 p0392 N91-12183

KREYSA, ERNST
The 1.3 mm continuum emission from circumstellar envelopes 13 p2175 N91-22007
Sub-mm direct photometry with large telescopes 13 p2178 N91-22027

KRIDER, E. PHILIP
The spatial variations of lightning during small Florida thunderstorms 24 p4065 N91-32711

KRIEGSMANN, GREGORY A.
Pulse propagation in temporally dispersive media
[AD-A229398] 22 p3748 N91-30895

KRIELE, MARCUS
Causality violation and singularities
[ETN-91-98795] 10 p1612 N91-18893

KRIJGSMAN, J.
An optical multichannel analyser based large volume reflectometer
[BCRS-90-37] 24 p4020 N91-32469

KRIKORIAN, ABRAHAM D.
Plant development in space: Observations on root formation and growth 11 p1758 N91-19670

KRILE, THOMAS F.
Programmable optical quadratic neural networks
[AD-A233520] 16 p2676 N91-24813

KRINGS, H.
Joining of BMI composite 03 p0329 N91-11831

KRINO, N. I.
Hardening of VT23 titanium alloy with orthorhombic martensite structure during rapid heating 19 p3131 N91-27300

KRINSKY, IRWIN SCOTT
Stability of emission line clouds in active galactic nuclei 02 p0296 N91-11659

KRINSKY, S.
Universal scaling function for FEL gain
[DE91-001124] 04 p0529 N91-12937
Proposed UV-FEL user facility at BNL
[DE91-001131] 04 p0530 N91-12938

KRISHEN, KUMAR
Issues associated with establishing control zones for international space operations 12 p1939 N91-20668
Method and apparatus for sensor fusion
[NASA-CASE-MSC-21334-1] 17 p2767 N91-25317

KRISHNA, AMALA
An accurate hyperbolic system for oceanographic flows
[AD-A234072] 19 p3204 N91-27712

KRISHNAKUMAR, N.
A technique for feature labeling in infrared oceanographic images
[AD-A229909] 12 p1926 N91-20600

KRISHNAMURTHY, R. V.
Stable hydrogen and carbon isotope ratios of extractable hydrocarbons in the Murchison meteorite 11 p1821 N91-20006

KRISHNAMURTHY, S.
Mechanical properties of semiconductors and their alloys
[AD-A231820] 14 p2331 N91-22878

KRISHNAMURTI, T. N.
Observing system simulation experiments for the laser atmospheric wind sounder using global spectral model 24 p4061 N91-32686

KRISHNAN, A.
A methodology to determine the dynamic configuration of a reconfigurable manipulator
[DE91-010732] 20 p3354 N91-28576

KRISHNAN, K. M.
Measurements of ionization cross-section for electron energy-loss microanalysis under well defined scattering conditions
[DE91-013745] 20 p3403 N91-28862

KRISHNAN, P. N.
Predicting polymer properties by computational methods. Part 1: Polyvinyl chloride and its homologs
[AD-A235434] 19 p3137 N91-27333

KRISHNAN, S.
Control aspects of the brushless doubly-fed machine
[DE91-009707] 15 p2417 N91-23387

KRISHNAN, SHANKAR
NCTM of liquids at high temperatures using polarization techniques 13 p2061 N91-21345
Optical property measurements as a diagnostic tool for control of materials processing in space and on Earth 13 p2064 N91-21366
Containerless processing of amorphous ceramics 13 p2064 N91-21367

KRISHNAPPAN, B. G.
Fully coupled unsteady mobile boundary flow model (FCMOBED) 12 p1898 N91-20436

KRISHNAPRASAD, P. S.
Control of complex multibody spacecraft
[AD-A224707] 03 p0320 N91-11791
Signal processing and recognition in adaptive neural networks
[AD-A226828] 07 p1035 N91-15677

KRISHNASAMY, GUNASEELAN
The boundary element method applied to static and dynamic crack problems using hypersingular boundary integral equations 14 p2275 N91-22581

KRISS, G. A.
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990

KRIST, SHERRIE L.
An embedded grid formulation applied to delta wings 02 p0153 N91-10891

KRISTAL, R.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941

KRISTIANSEN, M.
Polymer characterization using the time-resolved phosphorescence of singlet oxygen as a spectroscopic probe
[DE91-001269] 11 p1688 N91-19303
Polymer characterization using singlet oxygen phosphorescence as a spectroscopic probe
[DE91-011735] 18 p2967 N91-26382

KRITSCHA, W.
Critical current densities in neutron irradiated high-T(sub c) single crystals
[DE90-017794] 03 p0421 N91-12355

KRIVE, I. V.
Coherent charge fluctuations in Josephson junctions and the oscillations of the effective capacitance
[DE91-618098] 20 p3429 N91-29019

KRIVEN, WALTRAUD M.
Transformation toughening of composite ceramics
[AD-A229933] 12 p1872 N91-20288

KRIZ, DENNIS
Model filled polymers 9: Synthesis of uniformly crosslinked polystyrene microbeads
[AD-A237472] 21 p3488 N91-29352

KRIZ, R. D.
Effect of a free surface on stress distribution in a bimaterial composite
[PB91-185116] 21 p3471 N91-29251

KRIZANC, DANNY
Computing boolean functions on anonymous networks
[CWI-CS-R9011] 07 p1057 N91-15808
Computing boolean functions on anonymous hypercube networks (extended abstract)
[CWI-CS-R9040] 17 p2839 N91-25689

KRIZANIC, DANNY
Computing boolean functions on Cayley networks (extended abstract)
[CWI-CS-R9061] 17 p2845 N91-25723

KROEGER, AUGUST
The use of system simulation during the definition phase of the passenger transport aircraft MPC75 07 p1046 N91-15741

KROEGER, D. M.
The structure and chemistry of grain boundaries in ceramic superconductors
[DE91-010138] 19 p3136 N91-27325
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970

KROEMER, H.
Nonlinear optical absorption in intrinsic Stark effect superlattices
[DE90-016466] 01 p0130 N91-10767
Photoabsorption modulation in GaAs: Ga(1-x)In(x) as strained-layer superlattices
[DE91-000440] 04 p0591 N91-13301

KROEMER, HERBERT
AlSb/InAs/AlSb quantum wells 06 p0799 N91-14411
New kinds of quantum wells
[AD-A230346] 12 p1989 N91-20943
Molecular beam epitaxial growth and electronic properties of GaP-on-Si (211) heterostructures, and of related systems
[AD-A231125] 13 p2162 N91-21921

KROES, ROGER L.
Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] 18 p3071 N91-26968

KROESE, D. P.
The difference of two renewal processes: Level crossing and the infimum
[MEMO-845] 01 p0117 N91-10690

KROESE, DIRK P.
A Markov renewal approach to an apportunistic replacement model in continuous time
[MEMO-844] 01 p0115 N91-10675

KROETZ, G.
Preparation of crystalline SiC thin films by PECVD and by ion beam modification of silicon
[MBB-Z-0349-90-PUB] 22 p3761 N91-30964

KROETZ, GERHARD
Structural and electronic properties of doped a-Si(1-x)Ge(x): H alloys grown with H-solution
[MBB-Z-0251-89-PUB] 03 p0424 N91-12375

KROGERUS, O.
Hydrogen storage in metal hydrides
[DE91-746267] 11 p1691 N91-19316

KROGMANN, U.
COMTESS: Combat Mission Training Evaluation and Simulation System 07 p1046 N91-15742

KROHA, HUBERT
Limits on compositeness of quarks and leptons from e+e- annihilation
[MPE-PAE/EXP-EL-226] 09 p1396 N91-17680
Heavy quark charge asymmetries below the Z sup 0 resonance
[MPE-PAE/EXP-EL-227] 09 p1396 N91-17681
Reinvestigation of compositeness limits from e+e- annihilation
[MPE-PAE/EXP-EL-230] 09 p1396 N91-17682

KROL, MARK F.
Pulse compression of 100 picosecond pulses at 1.319 microns
[AD-A232552] 15 p2508 N91-23901

KROLAK, PATRICK D.
PCLIPS
[NASA-CR-187915] 09 p1386 N91-17624

KROLL, KEN
Technology transfer methodology 20 p3298 N91-26239

KROLL, N.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
A high power cross-field amplifier at X-Band
[DE91-013277] 21 p3503 N91-29441

KROLL, NORMAN M.
Computer determinations of the properties of waveguide loaded cavities
[DE91-000463] 04 p0514 N91-12855

KROLL, R. J.
A correlation between changes in solar luminosity and differential radius measurements 03 p0441 N91-12466

KROMMES, JOHN A.
The theory of turbulence and anomalous transport in plasmas: Past, present, and future
20 p3407 N91-28889
KRONAUER, RICHARD E.
The effects of luminance boundaries on color perception
[AD-A237794] 21 p3582 N91-29925
KRONBERG, PHILIPP P.
A multi-frequency study of the peculiar interacting system Arp 206
08 p1247 N91-16870
KRONENBERG, A. K.
Mechanical properties and modeling of seal-forming lithologies
[DE91-010741] 17 p2784 N91-25404
KRONENBURG, JAN C.
Assessment of research needs for wind turbine rotor materials technology
[NAT-S-324] 19 p3185 N91-27612
KRONSCHNABL, G. R.
An accuracy assessment of Magellan Very Long Baseline Interferometry (VLBI) 09 p1288 N91-17080
KROO, I.
Forebody tangential blowing for control at high angles of attack
[NASA-CR-188773] 22 p3622 N91-30152
KROO, ILAN
Nonlinear Aerodynamics and the Design of Wing Tips
[NASA-CR-188044] 16 p2546 N91-24105
The computation of induced drag with nonplanar and deformed wakes 16 p2546 N91-24106
KROPATSCH, WALTER G.
Integration of SAR and DEM data: Geometrical considerations 07 p1023 N91-15618
KROPOTKIN, A. P.
Stochastization of charged particle motion near magnetotail current layer
[DE91-615704] 12 p1922 N91-20573
KROTHAPALLI, A.
The development of laser speckle velocimetry for the study of vortical flows
[NASA-CR-187756] 08 p1142 N91-16289
The development of laser speckle velocimetry for the study of vortical flows
[NASA-CR-177589] 19 p3169 N91-27524
Unsteady flow past an airfoil pitching at a constant rate 23 p3877 N91-31629
Vortex interactions in the transition region of a rectangular jet 23 p3877 N91-31630
KROTKOV, ERIC
Integrated system for single leg walking
[NASA-CR-188072] 12 p1879 N91-20329
Perception, planning, and control for walking on rugged terrain 12 p1937 N91-20654
Experimental characterization of the perceptron laser rangefinder
[NASA-CR-186676] 19 p3175 N91-27554
KROTOV, V. P.
Effect of 7 day antiorthostatic hypokinesia on cardiac pumping action in monkeys 18 p3026 N91-26704
KROUSE, CHERYL
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test plan
[DOT/FAA/CT-TN90/41] 15 p2363 N91-23075
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test procedures
[DOT/FAA/CT-TN90/63] 17 p2727 N91-25100
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test report
[DOT/FAA/CT-TN90/27] 17 p2727 N91-25101
KROY, WALTER
The microcrystal laser: A first step on the way to a laser microsystem
[MBB-Z-0336-90-PUB] 23 p3878 N91-31635
KRUCHTEN, D. A.
Absolute calibration in vivo measurement systems
[DE91-009719] 15 p2472 N91-23692
KRUEGER, ARLIN J.
Nimbus-7 TOMS Antarctic ozone atlas: August December 1990
[NASA-RP-1264] 18 p3015 N91-26651
KRUEGER, JAMES M.
Muramyl peptide-enhanced sleep: Pharmacological optimization of performance
[AD-A239442] 23 p3899 N91-31766
KRUEGER, UDO
Semiconductor laser: Relation between the line width and the mode distribution
[ETN-90-98181] 04 p0530 N91-12944
KRUER, MARK ARTHUR
Wide acceptance angle, high concentration ratio, optical collector
[NASA-CASE-MFS-28295-1] 05 p0716 N91-13999
KRUER, W. L.
Theory and simulation of Raman scattering in intense, short pulse laser plasma interactions
[DE91-008734] 12 p1984 N91-20915
Suprathermal particle generation and other plasma effects in laser fusion
[DE91-008742] 12 p1984 N91-20917
KRUGER, C. H.
Diamond synthesis in a 50 kW inductively coupled atmospheric pressure plasma torch
[AD-A227563] 07 p0985 N91-15405
KRUGER, JEROME
Corrosion, passivity, and breakdown of alloys used in high energy density batteries
[DE90-016648] 01 p0038 N91-10223
KRUGLYI, A. E.
On the possibility to support multisatellite measurements of the Cluster mission by single satellite measurements in the Regatta-Cluster project 01 p0071 N91-10428
KRUIDHOF, W.
Representation of earthshine impact in the ERS-1 EM payload TB/TV-test 07 p0953 N91-15237
KRUIJER, WIEBE
Epidermal growth factor induced signal transduction in A431 cells is influenced by altered gravity conditions
11 p1750 N91-19623
KRUK, J.
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
KRUKEMYER, T. H.
Performance of a 22Cr-20Ni-18Co-Fe alloy for service to 870 C
[DE91-011366] 18 p2957 N91-26317
KRUKONIS, VAL J.
Supercritical fluid processing of propellant polymers
[AD-A234285] 18 p2961 N91-26341
KRULL, W. A.
The advantages of silicon-on-insulator technologies for space environments 24 p3999 N91-32352
KRUMBOLTZ, HOWARD
Optical fiber refractometer
[AD-D014619] 09 p1398 N91-17696
KRUMBOLTZ, HOWARD D.
Optical fiber refractometer launching light at a non-zero launch angle
[AD-D014841] 16 p2690 N91-24893
Optical fiber refractometer
[AD-D014845] 16 p2690 N91-24894
KRUMHANSL, J. A.
Focal theoretical problems in modulated and martensitic transformations in alloys and perovskites
[DE91-010610] 16 p2602 N91-24417
KRUMPELT, M.
Evaluation of novel solid electrolyte materials
[DE90-011164] 08 p1133 N91-16231
Methanol reformers for fuel cell powered vehicles: Some design considerations
[DE91-006465] 11 p1691 N91-19314
Sealant research for SOFC
[DE91-014012] 20 p3356 N91-28592
KRUMREY, MICHAEL
Semiconductor photodiodes as radiometric receivers in the field of soft radiation
[ETN-91-98925] 11 p1796 N91-19856
KRUPA, DEBRA T.
Application and use of spinal immobilization devices in zero-gravity flight 24 p4078 N91-32781
ATLS: Catheter and tube placement
24 p4078 N91-32782
Transport suction apparatus and absorption materials evaluation 24 p4079 N91-32784
Minor surgery in microgravity
24 p4079 N91-32786
Evaluation of prototype Advanced Life Support (ALS) pack for use by the Health Maintenance Facility (HMF) on Space Station Freedom (SSF)
24 p4079 N91-32787
Venipuncture and intravenous infusion access during zero-gravity flight 24 p4079 N91-32788
Evaluation of cardiopulmonary resuscitation techniques in microgravity 24 p4079 N91-32789
KRUPP, JOSEPH C.
An intelligent value-driven scheduling system for Space Station Freedom with special emphasis on the electric power system 12 p1941 N91-20678
KRUSE, H.
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
KRUSE, H. W.
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
KRUSE, ROBERT J.
X ray tomographic inspection of printed wiring assemblies and electrical components
[AD-A234748] 18 p2996 N91-26548
KRUSE, RONALD L.
Analysis of truss frames by method of the stiffness matrix
[AD-A232053] 15 p2447 N91-23555
KRUSE, S. M.
Climatic water budgets, effective moisture, and elevation in the Southern Sierra Nevada, California, 1951-1980
[PB91-127878] 11 p1725 N91-19500
KRUSE, V. J.
Impacts of a nominal nuclear electromagnetic pulse on electric power systems
[DE91-012991] 21 p3497 N91-29401
KRUSIUS, J. PETER
Ultra high speed compound semiconductors and real time signal processing
[AD-A226790] 06 p0880 N91-14863
KRUT, D. D.
Progress toward the development of dual junction GaAs/Ge solar cells 11 p1666 N91-19184
Radiation hardness of Ga0.5In0.5 P/GaAs tandem solar cells 22 p3638 N91-30243
KRUTYAKOV, V. V.
Microsecond-pulse Nd-glass laser with monopulse duration control 11 p1788 N91-19811
KRUTZ, ROBERT W., JR.
An annotated bibliography of hypobaric decompression sickness research conducted at the Crew Technology Division, USAF School of Aerospace Medicine, Brooks AFB, Texas from 1983 to 1988
[AD-A231355] 13 p2128 N91-21710
KRYLOV, YU. V.
Relationship between vertical optokinetic nystagmus and susceptibility to motion sickness
10 p1561 N91-18587
KRYMSKIY, A. M.
Turbulent processes of mass-loading of new ions on Venus and Mars and the problems of numerical models of the interaction of solar wind with these planets. 1: Characteristics of the flow of solar wind around the planets 18 p2932 N91-26174
KRYSKA, L.
Comments on edge turbulence during lower hybrid current drive experiment on CASTOR tokamak
[IPPCZ-279] 01 p0123 N91-10726
KRYUTCHENKO, S. G.
Functional testing during yearlong antiorthostatic hypokinesia 19 p3208 N91-27732
KSANFOMALITI, L. V.
Electric fields, dynamics of SO2 concentration, possible vulcanism on Venus 12 p1849 N91-20162
KSANFORMALITI, L. V.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175
KSENDZOV, A.
Novel Si(1-x)Ge(x)/Si heterojunction internal photoemission long wavelength infrared detectors
06 p0797 N91-14401
KU, CHIEH-CHANG
Three-dimensional full potential method for the aeroelastic modeling of propfans
03 p0300 N91-11672
KU, WALTER H.
The design of a real-time adaptive filter development system
[AD-A237134] 21 p3504 N91-29448
KUAN, ANCHYI
The 28-entity IGES test file results using ComputerVision CADDS 4X
[NASA-CR-187402] 04 p0559 N91-13099
Recreation of the 28-entity IGES test file using the ComputerVision CADDS 4X
[NASA-CR-187403] 04 p0559 N91-13100
KUAN, CHIHPING
Straddle design of spiral bevel and hypoid pinions and gears
[NASA-TM-103621] 06 p0833 N91-14602
Determination of real machine-tool settings and minimization of real surface deviation by computerized inspection
[NASA-CR-4383] 19 p3173 N91-27546
Computerized inspection of real surfaces and minimization of their deviations
[NASA-TM-103798] 19 p3176 N91-27558
KUAN, JYH-HORNG
Study of time accuracy of flow variables across discontinuous boundaries 08 p1144 N91-16300

KUANG, YINGHONG
Performance analysis of static locking in replicated distributed database systems 15 p2521 N91-23974
A note on the performance analysis of static locking in distributed database systems 15 p2522 N91-23975
Performance analysis of static locking in replicated distributed database systems 17 p2886 N91-25955
KUB, FRANCIS J.
Resistive gate magnetic field sensor
[AD-D014952] 24 p4021 N91-32471
KUBALA, F.
Improvements in the BYBLOS continuous speech recognition system
[AD-A230126] 12 p1881 N91-20342
KUBAS, GREGORY J.
Chemical bonding of hydrogen molecules to transition metal complexes
[DE91-005852] 10 p1500 N91-18257
KUBAT-MARTIN, K. A.
Cubic new compound in the Ba-Ca-Cu-O system: Preliminary phase relationships
[DE91-005880] 10 p1604 N91-18852
KUBE, ROLAND
Results of the HHC wind tunnel tests, 1986 - 1988
[DLR-FB-90-42] 13 p2028 N91-21152
KUBIAK, CLIFFORD P.
Chemical approaches to carbon dioxide utilization for manned Mars missions
[NASA-TM-103728] 11 p1822 N91-20015
Chemical approaches to carbon dioxide utilization for manned Mars missions 17 p2911 N91-26073
KUBIATOWICZ, JOHN
APRIL: A processor architecture for multiprocessing
[AD-A237476] 21 p3553 N91-29739
The MIT Alewife machine: A large-scale distributed-memory multiprocessor
[AD-A237705] 21 p3560 N91-29784
KUBIK, PETER
The Cl-36 in the stratosphere
17 p2794 N91-25459
KUBINA, STANLEY J.
Numerical analysis and modelling techniques
19 p3147 N91-27393
KUBITSCHEK, MICHAEL J.
SIRTF/IRS cryogenic grating drive mechanism (ARC second positioning at 4 K) 16 p2640 N91-24611
KUBO, SHIN
Numerical simulation of hypersonic flow around a space plane 04 p0467 N91-12617
KUBO, SHOZO
Numerical simulation of wing in grand effect 2
04 p0457 N91-12552
Numerical simulation of flow around the aircraft designed to utilize ground effect 04 p0468 N91-12624
KUBOTA, Y.
Development of Nb3Sn ac superconductor, part 1
[DE91-742150] 10 p1609 N91-18880
KUBR, THOMAS J.
Stresses near a change of thickness in a continuous fiber composite plate 16 p2644 N91-24633
KUCERA, DONALD
Industrial applications of graphite fluoride fibers
14 p2357 N91-23040
KUCERA, G. H.
ANL's development of conductive ceramic components for MCFC
[DE91-015557] 21 p3485 N91-29336
KUCHKO, A. N.
Effect of paramagnetic impurities on dynamics of magnetic fluxes in superconductors
11 p1789 N91-19816
KUCHNICKI, T. A.
Gas rotary engine technology development
[PB91-182402] 19 p3177 N91-27563
KUCHNIR, M.
Superconducting current transducer
[DE91-004674] 06 p0824 N91-14554
Longitudinal periodicity in superconducting dipole magnets
[DE91-008421] 11 p1790 N91-19821
KUCK, DAVID L.
Extraterrestrial resources: Implications from terrestrial experience 17 p2902 N91-26031
Finding and utilizing lunar lava tubes
17 p2906 N91-26048
Lunar sulfur 17 p2906 N91-26049
KUCZERA, HERIBERT
The SAENGER concept and the German hypersonic technology program
[MBB-UK-0132-91-PUB] 23 p3801 N91-31198
KUCZMARSKI, M.
A numerical and experimental analysis of reactor performance and deposition rates for CVD on monofilaments
[NASA-TM-103631] 06 p0815 N91-14500
KUCZMARSKI, MARIA
Computational materials science. An example: Numerical modeling of chemical vapor deposition processing of advanced fibers 12 p1840 N91-20111
KUDO, KENJI
Experiment on a rectangular cross section Scramjet combustor
[NAL-TR-1068] 12 p1842 N91-20127
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
KUDOU, KENJI
An experiment on supersonic turbulent mixing layers: Supersonic-subsonic two-stream layers
[NAL-TR-1066] 08 p1090 N91-15983
Autoignition and flameholding in a cylindrical scramjet combustor
[NAL-TR-1067] 08 p1111 N91-16102
KUDRITZKI, R.
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep
09 p1439 N91-17934
KUEBLER, ULRICH
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697
KUEHBAUCH, W.
Application of multifrequency and multipolarization SAR systems in remote sensing for agriculture
07 p0991 N91-15438
KUENKLER, H.
Airbreathing propulsion for space transport: New concepts, special problems and attempts at solutions
15 p2377 N91-23154
KUENZI, K.
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
KUERTEN, J. G. M.
Numerical definition document for the ISNaS time-explicit flow solver
[MEMO-934] 22 p3679 N91-30487
Numerical definition document for the ISNaS time-implicit flow solver
[MEMO-935] 22 p3679 N91-30488
Multigrid and Runge-Kutta time stepping with frozen dissipation applied to the total variation diminishing Roe-Sweby scheme
[MEMO-936] 22 p3746 N91-30879
Multigrid and Runge-Kutta time stepping applied to the uniformly non-oscillatory scheme for conservation laws
[MEMO-911] 23 p3921 N91-31906
KUFELD, ROBERT M.
Modal analysis of UH-60A instrumented rotor blades
[NASA-TM-4239] 11 p1641 N91-19052
KUGA, HELIO KOITI
OD system for the first Brazilian satellite-software testing, analysis, and assessment
[INPE-5158-PRE/1637] 13 p2031 N91-21169
Real time assisted tracking for low Earth orbit satellites
[INPE-5157-PRE/1636] 13 p2031 N91-21170
KUGLER, D. L.
Confidence intervals and curvature measures in nonlinear regression using the IML and NLIN procedures in SAS(tm) software
[PB90-246398] 01 p0108 N91-10624
KUHARSKI, ROBERT A.
NASCAP/LEO calculations of current collection
09 p1405 N91-17733
The environment power system analysis tool development program 09 p1405 N91-17734
The environment workbench: A design tool for Space Station Freedom 12 p1950 N91-20727
KUHBANDER, R.
Composites supportability rapid test and evaluation
[AD-A225243] 03 p0335 N91-11881
KUHFUSS, T. C.
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719
KUHL, D. E.
New techniques for positron emission tomography in the study of human neurological disorders
[DE91-013855] 20 p3381 N91-28728
KUHL, FRANK
Artificial neural system for object classification and orientation estimation
[AD-A234936] 22 p3740 N91-30637
KUHL, FRANK P.
Methods for identifying object class, type, and orientation in the presence of uncertainty
[AD-A225984] 04 p0554 N91-13072
KUHL, MARK R.
Ridge regression signal processing
11 p1637 N91-19029
KUHL, R.
Results of examination of unsteady convection of vertical thermally unstable Bi-Sb-Te melts
14 p2335 N91-22905
KUHLEN, H.
LOOPUS Mob-D: System concept for a public mobile satellite system providing integrated digital services for the Northern Hemisphere from an elliptical orbit
[MBB-UK-0032-90-PUB] 07 p0996 N91-15467
KUHN, ALLAN D.
Document marking
[AD-A231150] 14 p2340 N91-22940
KUHN, G. D.
The effects of compressibility on a supersonic mixing layer
[AD-A234992] 18 p2922 N91-26119
KUHN, GARY D.
Aerodynamic design of Pegasus (trademark): Concept to flight with CFD 06 p0773 N91-14285
KUHN, PETER M.
An airborne FLIR detection and warning system for low altitude wind shear 16 p2552 N91-24147
KUHN, RICHARD E.
Forces and pressures induced on circular plates by a single lifting jet in ground effect
[NASA-TM-102816] 14 p2187 N91-22077
Small-scale experiments in STOVL ground effects
[NASA-TM-102813] 14 p2189 N91-22091
Suckdown, fountain lift, and pressures induced on several tandem jet V/STOL configurations
[NASA-TM-102817] 16 p2546 N91-24108
Prediction techniques for jet-induced effects in hover on STOVL aircraft
[NASA-TM-102818] 24 p3948 N91-32070
KUHN, T. J.
Testing of ceramic radiant tube heating system
[PB91-161323] 19 p3162 N91-27483
KUHNERT, A.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
KUHNLE, PAUL F.
Zero-crossing detector with sub-microsecond jitter and crosstalk 17 p2853 N91-25776
KUHNS, ROBERT
Additional secondary certification in aerospace education for Kansas educators
16 p2543 N91-24089
KUIJK, A. A. M.
Temporal issues of animate response
[CWI-CS-R8960] 03 p0398 N91-12209
KUIJPER, M.
Minimality of descriptor representations under external equivalence
[CWI-BS-R9002] 02 p0260 N91-11446
Realization and partial fractions
[CWI-BS-R9032] 17 p2844 N91-25717
KUIP, C. A. C.
Algebraic languages for mathematical programming
[MEMO-902] 14 p2309 N91-22757
Representation of time in mathematical programming modeling languages
[MEMO-933] 22 p3736 N91-30809
KUIPER, H.
A general simulation environment for guided weapon analysis
[NLR-TP-89084-U] 22 p3623 N91-30155
KUIPER, J.
The critical temperature for drying-out of soils around power cables as a function of local conditions
23 p3941 N91-32025
KUIPER, MATTHIJS
On the efficient incremental evaluation of higher order attribute grammars
[RUU-CS-90-36] 23 p3910 N91-31832
KUITUNEN, RISTO
Aluminum welded structure fatigue tests
07 p1016 N91-15582
KUKACKA, L. E.
Geothermal materials development
[DE91-013972] 20 p3368 N91-28660
KUKITA, YUTAKA
Developmental assessment of RELAP5/MOD3 code against ROSA-IV/TPTF horizontal two-phase flow experiments
[DE90-513748] 04 p0521 N91-12899
KUKLA, GEORGE
FIRE extended time/limited area observations at Palisades, New York 01 p0090 N91-10527
KUKLA, GEORGE J.
Multi-dimensional aspects of recent climate change in North America
[DE90-010958] 08 p1173 N91-16460

KULAGA, J. E.
Performance and life evaluation of advanced battery technologies for electric vehicle applications
[DE91-015671] 21 p3509 N91-29482
KULAK, R. F.
Mechanical characterization of seismic base isolation elastomers
[DE91-015680] 23 p3818 N91-31299
KULCINSKI, GERALD L.
Ion irradiation effects on a martensitic stainless steel designed for reduced long-life radioactivity
[DE91-005045] 10 p1497 N91-18242
KULESHOV, V. I.
Acid-base balance in men breathing air with raised CO2 19 p3211 N91-27748
KULKARNI, REKHA
Q-splines
[RR-830-M] 15 p2493 N91-23808
KULKARNI, S. M.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526
KULKARNI, S. R.
High resolution infrared astronomy satellite observations of a selected spiral galaxy
[NASA-CR-188019] 11 p1816 N91-19975
KULKARNI, SHRINIVAS R.
The interstellar halo of spiral galaxies: NGC 891 05 p0747 N91-14164
Deep narrow band imagery of the diffuse ISM in M33 05 p0755 N91-14202
M51: Molecular spiral arms, GMAs and superclouds 05 p0755 N91-14204
KULLBERG, M. L.
YBa2Cu3O(x) composites with improved toughness and strength
[DE90-011180] 01 p0132 N91-10782
High Tc oxide solid state reaction kinetics via complex impedance spectroscopy
[DE90-011178] 08 p1232 N91-16792
KULP, T. J.
Survey of alternative laser sources for Backscatter Absorption Gas Imaging (BAGI)
[DE91-008444] 12 p1906 N91-20485
KULSRUD, R. M.
On the origin of cosmological magnetic fields
[DE90-017617] 02 p0291 N91-11634
KULTIMA, JOHANNES
Homogeneity of geomagnetic variations at the Sodankyla Observatory
[FACL-76] 12 p1922 N91-20574
KUMAGAI, KIYOSHI
A new class of TVD schemes and wall boundary condition 04 p0466 N91-12608
KUMAGAI, TATSUO
Specific impulse comparison of high density hydrocarbon fuel burned with oxygen
[NAL-TR-1053] 01 p0025 N91-10148
KUMAI, K.
Operation test of a load conditioner using sealed lead-acid batteries and life cycle test of lead-acid batteries
[DE91-742131] 10 p1520 N91-18368
Charge discharge characteristic of Li/MoS2 multicell including an overcharged cell and an overdischarged cell
[DE91-742132] 10 p1520 N91-18369
KUMAI, KAZUMA
Evaluation of a lithium secondary battery for load-conditioner use: Extending the Li/Mo2 cell life cycle
[DE91-736736] 09 p1328 N91-17295
Evaluation of lithium secondary battery for load-conditioner use: Performance and characteristics of molybdenum sulfides (Li/MoS2), improved molybdenum sulfides (Li/MoS2 and Li/Mo6S8), and manganese dioxide (Li/MnO2) cells
[DE91-736737] 09 p1328 N91-17296
KUMAKAWA, A.
Evaluation of thermomechanical properties of functionally gradient material under high temperature difference 03 p0333 N91-11863
KUMAKAWA, AKINAGA
Hot gas side heat transfer characteristics of LOX/H2 and LOX/HC type propellants
[NAL-TR-1062T] 01 p0032 N91-10190
KUMAKURA, TOSHIMASA
Computer code conversion using HISTORIAN
[DE91-744830] 12 p1954 N91-20749
KUMANO, MAMI
Simulation study of MHD relaxation and reconnection processes 20 p3411 N91-28908
KUMAR, A.
Solutions of two-dimensional Euler equations with multigrid acceleration
[NAL-PD-CF-9006] 21 p3511 N91-29494
KUMAR, A. M.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526
KUMAR, AJAY
A comparative study of Navier-Stokes codes for high-speed flows 02 p0149 N91-10869
Computation of laminar viscous-inviscid interactions in high-speed internal flows 13 p2016 N91-21087
Two and three-dimensional shock-shock interactions on the blunt leading edges of the hypersonic inlets 13 p2016 N91-21088
A numerical study of hypersonic forebody/inlet integration problem 17 p2773 N91-25343
KUMAR, ARUN
Generalized dynamic normal mode initialization 02 p0240 N91-11341
KUMAR, B. V.
Optimal phase-only filters
[AD-A225312] 03 p0360 N91-12019
KUMAR, BINOD
Polymeric materials for battery applications
[AD-A231512] 14 p2248 N91-22438
KUMAR, J.
Molecular design of stable second order nonlinear optical polymers
[AD-A235748] 19 p3138 N91-27341
Optimized processing condition for a photocrosslinkable stable nonlinear optical polymer
[AD-A235754] 19 p3138 N91-27342
Design and synthesis of a new class of photocrosslinkable nonlinear optical polymers
[AD-A235852] 19 p3139 N91-27345
The monomolecular organization of a photodynamic protein system through specific surface recognition of streptavidin to biotinylated LB films
[AD-A235859] 19 p3139 N91-27348
Optical and electro-optical properties of a photocross-linkable polymer
[AD-A235903] 19 p3140 N91-27350
Steady state and transient photoconductivity of thin film polydiacetylene single crystals
[AD-A235854] 19 p3252 N91-27990
Photocross-linked second order nonlinear optical polymers
[AD-A235855] 20 p3321 N91-28385
New photocrosslinkable polymers for second order nonlinear optical processes
[AD-A235856] 20 p3321 N91-28386
KUMAR, JAYANT
Far infrared dielectric properties of polypyrrole doped with the tosylate anion
[AD-A226326] 04 p0507 N91-12820
Studies on relaxation behavior of corona poled aromatic dipolar molecules in a polymer matrix
[AD-A226512] 04 p0509 N91-12827
Nonlinear optical spectroscopy of polymers
[AD-A226515] 04 p0509 N91-12830
A strategy for the development of macromolecular nonlinear optical materials
[AD-A226325] 04 p0583 N91-13251
Dynamics simulation of Langmuir-Blodgett films
[AD-A226327] 04 p0590 N91-13293
Approaches to the design of a novel macromolecular system with tailored optical properties
[AD-A226952] 06 p0812 N91-14485
Nonlinear optics and organic materials
[AD-A226953] 06 p0873 N91-14831
KUMAR, K. S.
Low-density, high-strength intermetallic matrix composites by XD (trademark) synthesis
[NASA-TM-103724] 11 p1675 N91-19233
Evaluation of the microstructure of Al-Cu-Li-Ag-Mg Weldalite (tm) alloys, part 4
[NASA-CR-4368] 16 p2599 N91-24404
Effect of a prior stretch on the aging response of an Al-Cu-Li-Ag-Mg-Zr alloy 16 p2600 N91-24407
Microstructural evolution during aging of an Al-Cu-Li-Ag-Mg-Zr alloy 16 p2600 N91-24408
KUMAR, K. VASANTHA
Analysis of the individual risk of altitude decompression sickness under repeated exposures 12 p1949 N91-20722
KUMAR, KULDEEP
Assessment and development of software engineering tools
[AD-A233471] 17 p2829 N91-25627
KUMAR, M. VIJAYA
Dentritic morphology and microsegregation in directionally solidified superalloy, PWA-1480, single crystal: Effect of gravity; center director's discretionary fund report
[NASA-TM-103518] 07 p0982 N91-15391
KUMAR, R.
On the effects of magnetic bonding in rare earth transition metal intermetallics
[DE90-015800] 01 p0026 N91-10156
Methanol reformers for fuel cell powered vehicles: Some design considerations
[DE91-006465] 11 p1691 N91-19314
Thermal-hydraulic model of a solid-oxide fuel cell
[DE91-006393] 11 p1726 N91-19507
X ray determination of site occupation parameters in ordered ternaries Cu(Au(x)M(1-x))M = Ni,Pd
[DE91-007861] 11 p1809 N91-19937
KUMAR, R. SAL
Approaches to the design of a novel macromolecular system with tailored optical properties
[AD-A226952] 06 p0812 N91-14485
KUMAR, RAJENDRA
Efficient detection and signal parameter estimation with application to high dynamic GPS receiver
[NASA-CASE-NPO-17820-1-CU] 06 p0779 N91-14321
KUMAR, RAJNISH
System requirements and design features of Space Station Remote Manipulator System mechanisms 16 p2639 N91-24605
KUMAR, RENJITH R.
Power optimal single-axis articulating strategies
[NASA-CR-187510] 13 p2104 N91-21581
Restructured Freedom configuration characteristics
[NASA-TM-104057] 23 p3801 N91-31201
KUMAR, ROMESH
Requirements for a fuel cell for transportation application
[DE90-011146] 08 p1133 N91-16230
KUMAR, SAI
Comb-like polymers containing NLO active pendant groups
[AD-A226514] 04 p0509 N91-12829
KUMAR, VIPIN
Artificial intelligence project
[AD-A230793] 12 p1967 N91-20827
KUMER, JAYANT
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A226674] 05 p0640 N91-13553
KUMMER, UWE
Examinations of thinning out a direction finder antenna for the DAS airplane navigation system
[ETN-91-98789] 10 p1469 N91-18104
KUMPAN, S. A.
LLE (Laboratory for Laser Energetics) review
[DE91-001254] 06 p0832 N91-14597
LLE (Laboratory for Laser Energetics) review
[DE91-005414] 10 p1528 N91-18412
KUMRIC, H.
Study on ECW transmission lines for NET/ITER
[EUR-FU/80/90-99] 08 p1230 N91-16781
KUNATH, RICHARD R.
Using a modified Hewlett Packard 8410 network analyzer as an automated farfield antenna range receiver
[NASA-TM-103700] 11 p1698 N91-19349
Near-field antenna testing using the Hewlett Packard 8510 automated network analyzer
[NASA-TM-103699] 12 p1890 N91-20393
KUNDU, KRISHNA
Jet-A reaction mechanism study for combustion application
[NASA-TM-104441] 23 p3797 N91-31181
KUNDU, KRISHNA P.
Mechanisms and modeling of the effects of additives on the nitrogen oxides emission
[NASA-TM-103765] 14 p2253 N91-22464
KUNERTH, D. C.
Acoustical and dynamic mechanical characterization of fiber-matrix interface bonds in ceramic composites
[DE90-010949] 08 p1105 N91-16066
KUNEVA, I.
Isolated galaxies, pairs, and groups of galaxies 08 p1249 N91-16878
Correlation functions for pairs and groups of galaxies 08 p1249 N91-16879
KUNG, A. H.
Vacuum ultraviolet spectroscopy and dynamics
[DE90-011601] 09 p1306 N91-17165
Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558
KUNG, H. H.
Solid state, surface, and catalytic studies of oxides
[DE91-007979] 11 p1810 N91-19939
KUNHARDT, ERICH E.
Nonequilibrium effects in ion and electron transport
[AD-A229961] 12 p1976 N91-20869

KUNIMATSU, KEIJI
In situ FTIR study of the adsorption geometry of bisulfate ions on a platinum electrode
[AD-A229793] 12 p1866 N91-20250
KUNIMOTO, KAITO
Simulation study of MHD relaxation and reconnection processes 20 p3411 N91-28908
KUNINAKA, HITOSHI
Antimatter applied for Earth protection from asteroid collision 14 p2205 N91-22181
KUNITZER, J.
Consolidation of lunar regolith: Microwave versus direct solar heating 17 p2906 N91-26050
KUNIYASU, Y.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
KUNKEL, BRUCE A.
WADOCT: An atmospheric dispersion model for complex terrain
[AD-A229920] 12 p1921 N91-20570
KUNKEL, K. E.
Optical turbulence measurements during one morning and two evening transition periods in a desert basin
[AD-A230304] 12 p1923 N91-20578
KUNO, Y.
Further development of IDGS: Isotope dilution gamma-ray spectrometry
[DE91-016315] 24 p4104 N91-32936
KUNREUTHER, HOWARD
Decision making under uncertainty: The effects of role and ambiguity
[AD-A225771] 04 p0553 N91-13070
KUNSTATTER, G.
Non-Gaussian microwave background fluctuations from nonlinear gravitational effects
[NASA-CR-188699] 22 p3777 N91-31067
KUNTH, DANIEL
Evolutionary population synthesis in starburst regions
[MPE-PREPRINT-198] 23 p3939 N91-32017
KUNTMAN, DARYAL
Doppler weather radar with predictive wind shear detection capabilities 16 p2553 N91-24150
KUNTZ, H. L.
Laboratory test and acoustic analysis of cabin treatment for propfan test assessment aircraft
[NASA-CR-182075] 16 p2681 N91-24844
KUNTZ, HJALMAR
Europe 1993: The single European market and R and D policy at Krupp 24 p4114 N91-32995
KUNZ, A. B.
Magnetic resonance imaging studies of process rheology
[AD-A225814] 04 p0510 N91-12836
Fundamental theory of crystal decomposition
[AD-A236637] 20 p3423 N91-28988
KUNZ, DONALD L.
General Rotorcraft Aeromechanical Stability Program (GRASP): Theory manual
[NASA-TM-102255] 05 p0677 N91-13762
KUNZ, G. J.
Lidar as a slant path visio-ceilometer
[FEL-90-A207] 05 p0690 N91-13838
Cloud base monitoring with LIDAR
[FEL-90-A315] 22 p3711 N91-30652
KUNZ, NANS
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] 06 p0787 N91-14357
KUNZ, P. F.
The Cheetah Data Management System
[DE91-010290] 14 p2341 N91-22947
KUNZ, PAUL F.
Software management issues
[DE91-001031] 06 p0862 N91-14763
KUNZ, PETER DALE
Theoretical nuclear physics
[DE91-000979] 07 p1067 N91-15869
KUNZ, R. F.
Computation of supersonic and low subsonic cascade flows using an explicit Navier-Stokes technique and the kappa-epsilon turbulence model 13 p2013 N91-21072
KUO, AN-YU
Elevated temperature crack growth in titanium aluminides
[AD-A227700] 08 p1115 N91-16125
KUO, C. C. JAY
Multilevel filtering elliptic preconditioners
[NASA-CR-188851] 24 p4089 N91-32845
KUO, CHAI-PEI
Optical cache memory
[AD-A236794] 19 p3246 N91-27955
KUO, CHUN-PAO
The instability of combustion in propulsion engines 01 p0024 N91-10141
KUO, CHUNG FENG JEFFREY
Dynamics modeling and control of a flexible robot arm 24 p4025 N91-32495
KUO, CHUYING
Pavement crack detection with lasers
[PB91-103820] 09 p1349 N91-17408
KUO, KENNETH K.
Cryogenic combustion laboratory 20 p3295 N91-28223
Liquid jet breakup and atomization in rocket chambers under dense spray conditions 20 p3296 N91-28227
KUO, S. P.
A theoretical model for the temporal evolution of HF-enhanced plasma lines 10 p1548 N91-18518
On the feasibility of microwave produced Bragg reflector: Examined by the chamber experiment 10 p1550 N91-18528
Planning for coordinated space and ground-based ionospheric modification experiments 10 p1552 N91-18535
Experiment and theoretical study of the propagation of high power microwave pulse in air breakdown environment
[NASA-CR-188068] 12 p1884 N91-20360
KUO, SPENCER
Millimeter wave generation by relativistic electron beams and microwave-plasma interaction
[AD-A231924] 14 p2328 N91-22861
KUPALOVA, I. K.
Microfractographic study of high-speed steel produced from powder 19 p3133 N91-27310
KUPER, C. G.
Theory of the new high-temperature superconductors 15 p2499 N91-23842
KUPER, JAN
A first order logic for partial functions by means of notational conventions
[MEMO-INF-90-12] 03 p0405 N91-12260
KUPPA, SUBRAHMANYAM
Visualization and velocity measurement of unsteady flow in a gas generator using cold-flow technique 03 p0362 N91-12027
KUPPERMAN, D. S.
The application of neutron diffraction time-of-flight measurements to the study of strain in composites
[DE91-008106] 11 p1677 N91-19242
Assessment of tamper-revealing ceramic seals
[DE91-007793] 11 p1688 N91-19301
Strength/grain-size relationships and internal stresses in YBa2Cu3O(x) superconductors
[DE91-011180] 17 p2873 N91-25891
Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378
KUPPERMANN, ARON
Experimental studies of the properties of trihydrogen and tetrahydrogen
[AD-A228869] 08 p1112 N91-16110
KUPRIYANOV, V. A.
Effect of shift work of air traffic controllers on sympathetic nervous system 18 p3025 N91-26700
KURATA, YUJI
High temperature tensile properties of nickel-base superalloys for intermediate heat exchangers of high temperature gas-cooled reactors
[DE91-744958] 11 p1685 N91-19284
KURDILA, A. J.
Novel dynamics and controls analysis methods for nonlinear structural systems
[AD-A229164] 09 p1285 N91-17064
KURDILA, ANDREW J.
A nonrecursive order N preconditioned conjugate gradient: Range space formulation of MDOF dynamics 18 p3093 N91-27099
KURENKOV, G. I.
Real time analysis systems of the physical parameters of the environment and the state of a human organism for a long term exposure at different gas mixtures and pressure up to 100 bar 15 p2449 N91-23568
KURFESS, J. D.
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
KURG, V.
Post processing of three dimensional aerothermal computation
[AAAF-NT-89-21] 23 p3913 N91-31848
KURGAN, C.
An evaluation of GTAW-P versus GTA welding of alloy 718
[NASA-TM-103529] 13 p2051 N91-21287
KURIEN, T. V.
Singularities in Gaussian random fields
[AD-A238220] 21 p3568 N91-29839
A mixed limit theorem for stable random fields
[AD-A238222] 21 p3568 N91-29840
KURIHARA, M.
A new ground data system for Akebono (EXOS-D) satellite 14 p2209 N91-22200
KURIKI, KYOICHI
Antimatter applied for Earth protection from asteroid collision 14 p2205 N91-22181
KURIYAMA, K.
Photoconductivity of activated carbon fibers
[DE91-000814] 04 p0520 N91-12895
KURKI-SUONIO, H.
Chaotic inflation and the omega problem
[DE91-006253] 10 p1617 N91-18917
Baryon inhomogeneity from the cosmic quark-hadron phase transition
[DE91-016608] 24 p4124 N91-33051
KURKOV, ANATOLE P.
Optical measurement of unducted fan flutter
[NASA-TM-103285] 07 p0944 N91-15174
Optical measurement of propeller blade deflections in a spin facility
[NASA-TM-103115] 09 p1274 N91-17002
KURLAND, RICHARD M.
The Advanced Photovoltaic Solar Array (APSA) technology status and performance 11 p1673 N91-19217
KURME, D. A.
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3715 N91-30677
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3717 N91-30687
KUROCHKINA, A. A.
Near-wall conductivity 23 p3927 N91-31944
KURODA, SHINICHI
Supersonic inlet flow computations with cavity 24 p3945 N91-32049
KURODA, T.
Evaporation of H2O-CO2-CH4-CO ice and its implication for the evolution of ice grains 10 p1623 N91-18953
KURODA, YUKIO
Performance of the N2H4/MMH mixed fuel regeneratively cooled engine
[NAL-TR-1082] 17 p2743 N91-25180
KUROKAWA, KO
The effects of character size, modulation, polarity, and font on reading and search performance in matrix-addressable displays
[AD-A235033] 18 p3077 N91-27007
The effect of rotation on legibility of dot-matrix characters
[AD-A235034] 18 p3077 N91-27008
KUROKI, S.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
KUROSAKA, M.
Resonant jets for turbine cooling
[AD-A236755] 19 p3106 N91-27162
KURSCHAT, THOMAS
Complete adiabatic evaporation of highly superheated liquid jets
[MPIS-MITT-95] 02 p0282 N91-11588
KURSINSKI, EMIL R.
Application of high stability oscillators to radio science experiments using deep space probes 17 p2853 N91-25775
KURSTEDT, H. A., JR.
A selection tool for choosing the best participative problem-solving technique
[DE91-012421] 20 p3436 N91-29066
Experience in designing and using a flat structure in a multi-project research organization
[DE91-012427] 20 p3436 N91-29067
How to increase meeting effectiveness and efficiency
[DE91-012420] 20 p3437 N91-29070
Why engineers must know and manage organizational culture
[DE91-012425] 20 p3437 N91-29071
A framework for data and information
[DE91-012416] 20 p3438 N91-29075
The effects of information availability on the group consensus process
[DE91-012428] 20 p3438 N91-29076
KURSTEDT, P. S.
Why engineers must know and manage organizational culture
[DE91-012425] 20 p3437 N91-29071
KURT, V. G.
Multifrequency behaviour of the T Tauri star RU Lupi 09 p1433 N91-17892
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929

Results from study of x ray pulsars by Astron Observatory 22 p3625 N91-30172
KURTH, R. E.
Composite load spectra for select space propulsion structural components 16 p2586 N91-24330
KURTH, W. S.
Whistlers in Neptune's magnetosphere: Evidence of atmospheric lightning
[NASA-CR-187324] 02 p0293 N91-11642
High resolution measurements of density structures in the Jovian plasma sheet
[NASA-CR-188918] 24 p4123 N91-33043
KURTH, WILLIAM S.
Large scale motions of Neptune's bow shock: Evidence for control of the shock position by the rotation phase of Neptune's magnetic field
[NASA-CR-188059] 14 p2343 N91-22954
Interpretation of plasma diagnostics package results in terms of large space structure plasma interactions
[NASA-CR-188651] 19 p3248 N91-27961
KURTZ, H. L.
High power arcjet
[NASA-CR-187986] 11 p1665 N91-19173
KURTZ, JOE
Simultaneous infrared and UV-visible absorption spectra of matrix-isolated carbon vapor
06 p0890 N91-14915
KURTZ, S. K.
Passive vibration damping
[AD-A233197] 16 p2647 N91-24656
KURTZ, S. R.
The preparation of InAsSb/InSb SLS (Strained-Layer Superlattice) and InSb photodiodes by MOCVD
[DE91-006781] 10 p1608 N91-18872
GaInP2/GaAs tandem cells for space applications
22 p3633 N91-30215
An overview of the electronic properties of InAs(1-x)Sb(x) strained-layer superlattices (O less than or equal to x less than or equal to 1)
[DE91-017458] 24 p4111 N91-32976
KURTZ, SARAH R.
Radiation hardness of Ga0.5In0.5 P/GaAs tandem solar cells 22 p3638 N91-30243
KURTZ, STEVEN R.
Development of infrared detectors based on Type 2, InAsSb strained-layer superlattices
[DE91-004727] 09 p1413 N91-17779
KURY, J. W.
Performance evaluation of insensitive explosives
[DE91-015767] 23 p3821 N91-31315
KURYLA, M. S.
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
High-efficiency, radiation-resistant GaAs space cells
11 p1668 N91-19194
Recent advancements in monolithic AlGaAs/GaAs solar cells for space applications 22 p3634 N91-30220
KUSANO, K.
Self-organizing processes in magnetically confined plasma 20 p3406 N91-28883
KUSANO, KANYA
Simulation study of toroidal phase-locking mechanism in reversed-field pinch plasma
[NIFS-78] 17 p2866 N91-25850
Simulation study of MHD relaxation and reconnection processes 20 p3411 N91-28908
KUSHIGBOR, C. A.
A digital data bank for geological exploration in the mining belt of the Pojuca (Carajas) Cu-Zn deposit, based on geological, geochemical, remote sensing, and elevation data
[INPE-5172-PRE/1641] 13 p2110 N91-21617
KUSHNER, HAROLD J.
A Monte Carlo method for sensitivity analysis and parametric optimization of nonlinear stochastic systems: The ergodic case
[AD-A228946] 09 p1390 N91-17650
KUSHNER, LAWRENCE J.
Estimating power amplifier large signal gain
[AD-A230823] 13 p2076 N91-21437
KUSHNICK, ANNE C.
Apparatus and method for explosive bonding to edge of flyer plate
[NASA-CASE-LAR-14096-1] 23 p3852 N91-31476
KUSHNICK, PETER W.
Method and apparatus for characterizing residual stress in ferromagnetic materials
[NASA-CASE-LAR-14239-1] 05 p0636 N91-13527
KUSKA, MICHELLE
Interferometric second-harmonic-generation autocorrelator for characterizing femtosecond pulses
[DE90-010331] 08 p1152 N91-16345
KUSMANOFF, ANTONE
Research in software allocation for advanced manned mission communications and tracking systems
[NASA-CR-188114] 12 p1960 N91-20785
KUSMANOFF, ANTONE L.
Research into alternative network approaches for space operations
[NASA-CR-187015] 05 p0699 N91-13894
KUSSMANN, ALFRED
Type specific dynamic measurements on wind-power plant at the Schnittlingen test site (Fed. Republic of Germany)
[ESA-TT-1174] 22 p3699 N91-30598
KUSSMAUL, M. T.
Dual ion beam processed diamondlike films for industrial applications 14 p2358 N91-23042
KUSTAS, W.
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
KUSUBOV, A.
Experiments and calculations of jet penetration in glass
[DE91-013567] 20 p3327 N91-28422
KUSUNOSE, K.
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 2: User guide
[NASA-CR-181924-VOL-2] 16 p2548 N91-24119
KUTIEV, I.
International reference ionosphere 1990
[NASA-TM-105055] 22 p3705 N91-30621
KUTINA, FRANK J., JR.
Recent advances in Lewis aeropropulsion facilities
12 p1841 N91-20121
KUTOROFF, S.
Practical aspects of repository operations for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228455] 08 p1203 N91-16617
Briefing DTD user's guide for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228473] 08 p1204 N91-16618
DTD creation for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228475] 08 p1204 N91-16619
SGML product review for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228476] 09 p1381 N91-17594
SGML lessons learned for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228478] 09 p1381 N91-17596
KUTT, L. M.
Addendum to the DYCAST user's manual describing the curved, warp beam finite element
[NASA-CR-4362] 14 p2319 N91-22805
KUWAHARA, KUNIO
Numerical simulation of aerodynamic effects of the rear-spoiler on an automobile 04 p0465 N91-12602
The three dimensional Navier-Stokes simulations of flow over a wing without any turbulent modelling
24 p3945 N91-32051
KUYATT, C. E.
Center for radiation research, 1990 technical activities
19 p3243 N91-27937
KUYKENS, H. J. P.
Blood pressure regulation in parabolic flight
11 p1741 N91-19575
KUYUCAK, S.
Hexadecapole systematics in the interacting boson model
[DE91-618305] 16 p2684 N91-24864
KUZAN, JOHN D.
Direct numerical simulation of turbulent couette flow, part 2
[AD-A226770] 06 p0826 N91-14564
A method of investigating scales of motion in a turbulent wake
[AD-A237923] 21 p3514 N91-29514
KUZAY, T. M.
Heat transfer issues in the fabrication and operation of ceramic superconductors
[DE90-017832] 03 p0421 N91-12356
Minimization of refrigeration power requirements for mechanical supports in cryogenic systems
[DE91-015720] 21 p3495 N91-29392
Intrinsic stability and recovery analysis for tape/film type superconductors
[DE91-015568] 23 p3931 N91-31967
Cryogenic cooling of x ray crystals using porous matrix
[DE91-017322] 24 p4112 N91-32982
KUZEL, M.
Electron emission in H-0-atom collisions: A coincidence study of the angular dependence
[DE91-005555] 10 p1591 N91-18775
KUZHEVSKIJ, B. M.
Neutron propagation from solar flare in the solar atmosphere
[DE91-615465] 11 p1823 N91-20016
KUZINA, V. I.
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
KUZMIN, A. S.
Psychophysiological assessment of piloting motor habits in pilot retraining 01 p0097 N91-10564
KUZMIN, L. A.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
KUZMIN, YU. V.
Sixquarks in neutron stars
[DE91-615472] 11 p1818 N91-19987
Hamilton mechanics for nonlocal systems
[DE91-619625] 13 p2164 N91-21936
Quantization of nonlocal theories and gravitation
[DE91-619626] 13 p2164 N91-21937
KUZNETSOV, A. N.
Multiloop Feynman diagrams and distribution theory. Part 3: UV renormalization in momentum space
[NIKHEF-H/90-17-PT-3] 14 p2327 N91-22855
KUZNETSOV, A. V.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
KUZNETSOV, O. N.
Color selection in Luscher test as emotional status indicator in flight personnel 10 p1561 N91-18588
KUZNETSOV, S. L.
Reactivity of exhausted human skeletal muscle fibers following prolonged antiorthostatic hypokinesia
11 p1740 N91-19568
Reaction of human skeletal muscle fibers to 370 day antiorthostatic hypokinesia combined with physical exertion 18 p3025 N91-26702
KUZNETSOV, V. P.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal
11 p1790 N91-19819
KUZNETSOVA, M. M.
Detection of nonlinear features in plasma and field measurements by PROGNOZ-8
06 p0918 N91-15063
KUZYK, M. G.
Design considerations for multi component molecular-polymeric nonlinear optical materials
[DE91-006778] 11 p1799 N91-19872
KUZYUTA, E. I.
Effects of high temperature and humidity on mental state and metabolism 11 p1741 N91-19571
KVAERNA, T.
Application of regional arrays in seismic verification research
[AD-A229926] 12 p1922 N91-20576
KVALE, T. J.
Measurements of scattering processes in negative ion-atom collisions
[DE91-009514] 13 p2150 N91-21849
KVALE, THOMAS J.
Measurements of scattering processes in negative ion-atom collisions
[DE90-010666] 08 p1219 N91-16715
KVALTIN, J.
D.C. - ARC plasma generator for nonequilibrium plasmachemical processes
[IPPCZ-302] 17 p2866 N91-25853
KVARTSOV, N. V.
Intracavity second-harmonic generation by laser with optical delay line and mode locking
11 p1788 N91-19808
KVETNANSKY, R.
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station)
11 p1761 N91-19689
KVETNYANSKI, R.
Reaction of sympathoadrenal system of cosmonauts after long missions on Salyut-7 orbital spacecraft
22 p3714 N91-30672
Reaction of sympathoadrenal system of cosmonauts after long missions on Salyut-7 orbital spacecraft
22 p3716 N91-30686
KWACK, E.
Spray combustion modeling and evaluation
[DE91-007923] 13 p2047 N91-21264
KWACK, EUG
Spray combustion modeling and evaluation
[NASA-CR-187887] 08 p1107 N91-16078
KWAK, DOCHAN
Computations of three-dimensional steady and unsteady viscous incompressible flows 02 p0146 N91-10852

Simulation of blood flow through an artificial heart
15 p2537 N91-24056

KWAK, J. F.
Irradiation effects in high temperature superconductors
[DE91-016118] 24 p4109 N91-32962

KWAK, MOON K.
A recursive approach to the equations of motion for the maneuvering and control of flexible multi-body systems
14 p2227 N91-22319

KWAK, S. H.
Rule-based motion coordination for the adaptive suspension vehicle on ternary-type terrain
[AD-A232224] 15 p2440 N91-23517

KWAN, CHING CHUNG
Digital signal processing techniques for on-board processing satellites
17 p2766 N91-25309

KWAN, DANNY NGAR MAN
The effect of rotational oscillation on vortex shedding for a circular cylinder in uniform flow
03 p0363 N91-12035

KWAN, S.
Microstructure, porosity, and mechanical property relationships of calcium-silicate-hydrate
[AD-A235191] 18 p2950 N91-26279

KWAN, T. J.
High-current relativistic klystron amplifier development for microsecond pulse lengths
[DE91-011409] 17 p2771 N91-25332

KWAN, Y.
Oxygen enriched combustion system performance study, volume 4, phase 1
[DE90-011477] 09 p1306 N91-17164

KWASNY, JAMES
Arcjet nozzle area ratio effects
16 p2575 N91-24271

KWASPEN, J. J. M.
Mounting and DC to 18 GHz characterization of double barrier resonant tunneling devices
[EUT-89-E-231] 22 p3761 N91-30965
Microwave noise measurements on double barrier resonant tunneling diodes
[EUT-90-E-242] 22 p3761 N91-30966

KWAST, KAREN
Awareness, negation and logical omniscience
[ITLI-LP-90-16] 22 p3742 N91-30848
Weak equivalence
[ITLI-CT-91-04] 23 p3919 N91-31891

KWATNY, H. G.
Nonlinear dynamics and control of flexible structures
[AD-A232795] 17 p2739 N91-25160

KWATRA, S. C.
A parallel-pipelined architecture for a multi carrier demodulator
[NASA-CR-188620] 17 p2771 N91-25334

KWAY, W. L.
Laser performance and optical properties of LiSrGaF6:Cr(3+)
[DE91-016555] 24 p4023 N91-32481

KWEI, G. H.
Cubic new compound in the Ba-Ca-Cu-O system: Preliminary phase relationships
[DE91-005880] 10 p1604 N91-18852
Superconducting superoxygenated La(2-x)Sr(x)CuO(4+delta): Search for phase separation
[DE91-015334] 21 p3594 N91-29995

KWEON, I. S.
Experimental characterization of the perceptron laser rangefinder
[NASA-CR-188676] 19 p3175 N91-27554

KWIECINSKI, J.
Parton distributions at small x
[RAL-90-053] 09 p1395 N91-17676

KWOK, K. C. S.
Control of wind-induced tall building vibration by tuned mass dampers
[PB90-259334] 09 p1321 N91-17251
Wind tunnel test of wind loads on various shapes of elevated buildings for Antarctic use
[PB90-259318] 09 p1351 N91-17418

KWOK, MUNSON A.
Pressure distribution and induced force field on a conical nozzle due to impingement of a normal jet into the supersonic cross-flow
[AD-A233981] 18 p2921 N91-26115

KWOK, P. W.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848

KWOK, RONALD
Towards operational multisensor registration
07 p1024 N91-15619

KWOK, W. K.
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784
Scaling behavior of the fluctuations in magnetization and conductivity of untwinned YBa2Cu3O(7-delta)
[DE91-016524] 24 p4110 N91-32967
Flux pinning by planar defects in single crystal YBa2Cu3O(7-delta)
[DE91-016525] 24 p4110 N91-32968
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989

KWON, DONG-SOO
Control of a flexible bracing manipulator: Integration of current research work to realize the bracing manipulator
22 p3687 N91-30525

KWON, O. J.
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
Simulation of iced wing aerodynamics
[NASA-TM-104362] 15 p2365 N91-23086

KWON, S.
Turbulent premixed hydrogen/air flames
[AD-A235109] 18 p2950 N91-26278

KWONG, MAN KAM
Symbolic manipulation software and the study of differential equations
[DE90-017674] 02 p0254 N91-11413
Using MAPLE for symbolic computations in robotics
[DE90-010405] 08 p1197 N91-16576

KYLE, H. L.
Solar constant data from Earth radiation budget measurements
03 p0447 N91-12498

KYLE, H. LEE
An alternative derivation of the Nimbus 7 total solar irradiance variations
03 p0447 N91-12496
User's guide: Nimbus-7 Earth radiation budget narrow-field-of-view products. Scene radiance tape products, sorting into angular bins products, and maximum likelihood cloud estimation products
[NASA-RP-1246] 04 p0549 N91-13043
Atlas of the Earth's radiation budget as measured by Nimbus-7: May 1979 to May 1980
[NASA-RP-1263] 16 p2660 N91-24720

KYR, P.
Directional solidification of eutectics InSb-NiSb (TEXUS 10)
23 p3838 N91-31405

KYRALA, G. A.
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556

KYRALA, GEORGE A.
Measurement of the absolute cross section for multiphoton ionization of atomic hydrogen at 248 nm
[DE91-000222] 04 p0581 N91-13237

KYRAZIS, D. T.
Determination of SBS induced damage limits in large fused silica optics for intense, time varying laser pulses
[DE91-012080] 18 p2991 N91-26518

KYRAZIS, DEMOS T.
Use of dome (meniscus) lenses to eliminate birefringence and tensile stresses in spatial filters for the Nova laser
[DE91-002784] 05 p0667 N91-13707

KYSAR, PETER
Topics in hypervelocity impact shielding for space assets
[AD-A235810] 19 p3111 N91-27192

KYTOE, MATTI
Use of natural gas and liquefied petroleum gas in heavy-duty engines
[DE91-752990] 13 p2097 N91-21546

KYYNAERAEINEN, JUKKA
Ultrasonic investigations on superfluid He-3-A and He-3-B
[ISBN-952-90-2241-7] 11 p1792 N91-19830

L

LAAKE, B. A.
Finite element modeling of orthogonal machining using an elastic-viscoplastic material model
[DE91-016815] 23 p3852 N91-31477

LAAKSONEN, R. T.
Ammonia chemisorption studies on silicon cluster ions
[AD-A224949] 04 p0500 N91-12776

LAANANEN, DAVID H.
Computer simulation of an aircraft seat and occupant(s) in a crash environment: Program SOM-LA/SOM-TA user manual
[CR-R-90026] 20 p3281 N91-28146

LAARMAN, T.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296

LABANCZ, KRISZTINA
The use of satellite data in the ECMWF analysis system
[KNMI-TR-123] 05 p0682 N91-13790

LABAUGH, ROBERT J.
Experiences with Ada in an embedded system
01 p0106 N91-10614

LABAW, CLAYTON C.
Integrated filter and detector array for spectral imaging
[NASA-CASE-NPO-18317-1-CU]
24 p4103 N91-32926

LABELLE, J.
Plasma diffusion at the magnetopause? The case of lower hybrid drift waves
[NASA-CR-188913] 23 p3929 N91-31957

LABELLE, R. D.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264

LABIDI, W.
Numerical simulation of three dimensional unsteady flow by multiprocessor solving of the Navier-Stokes equations
[ETN-91-99974] 23 p3871 N91-31594

LABIJ, DENNIS
The Phoenix Pluto Probe 08 p1102 N91-16053

LABORIE
ACLICO: A computer aided design system for bonded joints
[REPT-911-430-101] 15 p2485 N91-23757

LABOTZ, RICH
Technology transfer methodology
20 p3298 N91-28239
Technology transfer methodology
20 p3298 N91-28240

LABROT, M.
Plasma torches at blast furnace: Four years of industrial experience in France
[REPT-911-430-124] 16 p2692 N91-24901

LABROT, MAXIME
Aerospatiale industrial thermal plasmas
[REPT-911-430-113] 15 p2513 N91-23927
Aerospatiale industrial thermal plasma activities
[REPT-911-430-122] 15 p2513 N91-23928
Waste destruction by plasma
[REPT-911-430-123] 17 p2865 N91-25842

LABROT, R.
Applicability of centrifuge to test space payloads
07 p0957 N91-15262

LACAU, R. G.
Some trends in missile aerodynamics
06 p0772 N91-14279

LACAVA, F.
Punchthrough in hadronic showers: A parameterization of the total probability
[NOTA-INTERNA-968] 11 p1796 N91-19854

LACERDA, A.
Doping and pressure study of U3Sb4Pt3
[DE91-013669] 20 p3431 N91-29033
Effects of doping on hybridization gapped materials
[DE91-014611] 21 p3508 N91-29477

LACEY, PAUL I.
Fuel lubricity requirements for diesel injection systems
[AD-A235972] 19 p3174 N91-27550

LACEY, W. B.
Quantitative investigation of charge-trapping effects on Raman spectra acquired using charge-coupled device (CCD) detectors
[AD-A236101] 19 p3254 N91-28000

LACH, CYNTHIA L.
The effect of temperature on the fracture toughness of Weldalite(TM) 049
19 p3129 N91-27289

LACHENMAYR, G.
Multi-axis vibration simulation in space structures: Experiments with DFS/STM 07 p0955 N91-15253

LACINA, J.
Linear resonant interaction of an electromagnetic wave with a collisional inhomogeneous plasma
[IPPCZ-298] 06 p0874 N91-14836

LACIS, ANDREW A.
Comparison of solar and other influences on long-term climate
03 p0443 N91-12477

LACKEY, W. J.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758

Grain structure and growth of dispersed phase BN-AlN coatings grown via chemical vapor deposition
[DE91-006283] 09 p1319 N91-17242
LACKIE, STEVE J.
Receptor based fiber optic microsensor development
[AD-A238491] 22 p3648 N91-30301
LACKMAN, BOB
Survey of NCAR user needs for visualization tools. A research report of the Digital/NCAR joint research project
[PB91-115444] 13 p2028 N91-21154
LACKNER, ANNA M.
Applications research studies on microtubules
[AD-A228756] 08 p1128 N91-16205
LACKNER, K. S.
Generating strong shock waves with a supersonic peristaltic pump
[DE91-013228] 20 p3287 N91-28174
LACKNEY, J. J.
HITCAN for actively cooled hot-composite thermostructural analysis
[NASA-TM-103750] 13 p2101 N91-21562
LACOMBE, ALAIN
Development of C/SiC large parts technology for aerospace plane thermal structures
03 p0331 N91-11848
LACOMBE, DONALD J.
Failure mechanisms on GaAs integrated circuits: Electromigration on GaAs
[AD-A237352] 21 p3505 N91-29451
LACOMBE, F.
Near-infrared mapping of spiral barred galaxies
05 p0758 N91-14217
LACONTI, A. B.
Corrosion-resistant catalyst supports for phosphoric acid fuel cells
[DE91-001713] 05 p0682 N91-13794
Some recent studies with the solid-ionomer electrochemical capacitor 24 p4038 N91-32562
LACOSS, R. T.
Soviet atmospheric acoustics research
15 p2500 N91-23848
LACOSS, RICHARD T.
Artificial neural networks for seismic data interpretation
[AD-A239673] 23 p3895 N91-31743
LACOVARA, R. C.
Applications of formal simulation languages in the control and monitoring subsystems of Space Station Freedom
18 p3094 N91-27100
LACOVIC, RAYMOND F.
Autogenous pressurization of cryogenic vessels using submerged vapor injection
[NASA-TM-104516] 19 p3144 N91-27375
LACROIX, D.
Summary of EEE component anomalies encountered in the SPOT line of Earth observation satellites and lessons derived therefrom for future generations
24 p4001 N91-32367
LACY, J.
Infrared spectroscopy of comets
12 p2004 N91-21026
LACY, J. H.
High resolution spectroscopy of the 11.3 micron emission band 06 p0890 N91-14917
LACY, W. B.
Attenuated total reflection infrared spectroscopy for measuring interfacial reaction kinetics: Hydrolysis of monochlorosilanes at silica surfaces
[AD-A236034] 19 p3126 N91-27269
LAD, R. J.
Structure, adhesion, and stability of metal/oxide and oxide/oxide interfaces
[DE91-006981] 10 p1609 N91-18878
LADA, ELIZABETH ANNE
Global star formation in the L1630 molecular cloud
09 p1426 N91-17852
LADDA, V.
Operational loads on landing gear
20 p3284 N91-28158
LADDEN, R. M.
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 3: Application of theory for blade loading, wakes, noise, and wing shielding
[NASA-CR-185193] 15 p2500 N91-23850
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 4: Computer user's manual for UAAP turboprop aeroacoustic code
[NASA-CR-185194] 15 p2501 N91-23851
LADHARI, F.
Boundary layer turbulence appearance mechanisms studied by plane laser visualizations
[AAAF-NT-89-10] 23 p3870 N91-31587
LADOUS, CONSTANZE
A statistical analysis of IUE spectra of dwarf novae and nova-like stars 09 p1440 N91-17937
LAEDKE, E. W.
Formation and dynamics of solitary waves and vortices in driven and damped systems
20 p3416 N91-28942
LAFARGE, R. A.
The functional dependence of trajectory dispersion on initial condition errors
[DE91-014661] 21 p3453 N91-29151
LAFAW, D. A.
Integrated optical devices for photonics instrumentation systems
[DE91-004192] 06 p0873 N91-14828
LAFEMINA, J. P.
A LEED study of the MgO(001) surface structure
[DE91-002811] 06 p0883 N91-14879
New surface atomic structures for III-V(110)-p(1 x 1)-Sb(1ML): Chemical bonding and electronic structure
[DE90-011230] 08 p1232 N91-16794
LAFF, MARK R.
Hypermedia = hypercommunication
13 p2166 N91-21953
LAFI, A.
The effects of fluid particle interactions on interfacial transfer and flow structure
[DE91-016409] 23 p3868 N91-31575
LAFLEUR, SHARON S.
Real-time dynamic holographic image storage device
[NASA-CASE-LAR-13989-1] 05 p0664 N91-13694
LAFLIN, N. J.
The provision of circuits to outside broadcast locations using spectrum within the UHF broadcasting bands
[BBC-RD-1990/12] 11 p1694 N91-19329
LAFOLLETTE, P. A.
Research and development for Digital Voice Processing (DVP)
[AD-A238280] 21 p3501 N91-29427
LAFOLLETTE, PHILIP A.
Acoustic background noise variation in Air Force platforms and its effect on noise removal algorithms
[AD-A238279] 21 p3572 N91-29863
LAFON, J. P.
Grains charges in interstellar clouds
06 p0899 N91-14967
LAFONTAINE, B.
UV Thomson scattering from x ray laser plasmas
[DE91-007347] 11 p1802 N91-19895
LAFONTAINE, FRANK
AMPR/SSMI data comparisons
24 p4057 N91-32665
WetNet operations 24 p4058 N91-32668
LAFONTAINE, VADA
WetNet operations 24 p4058 N91-32668
LAFRAMBOISE, JIM G.
Current collection in a magnetoplasma
09 p1401 N91-17715
LAGACE, LAWRENCE
Computer-assisted strain-gage monitoring and data reduction system
[AD-A226894] 06 p0830 N91-14589
LAGACE, PAUL A.
Composite fuselage technology
[NASA-CR-187658] 05 p0621 N91-13446
LAGAGE, P. O.
Ten micron imaging of Comet Austin
10 p1622 N91-18950
LAGAKOS, NICHOLAS
Planar fiber-optic interferometer acoustic sensor
[AD-D014922] 22 p3754 N91-30929
LAGALLY, M. G.
Diffraction determination of the structure of metastable three-dimensional crystals of Ge grown on Si(001)
[AD-A236871] 19 p3255 N91-28010
LAGARDE, D.
Review of EEG studies in non human primates exposed to microgravity 11 p1754 N91-19649
LAGASSE, R. R.
Mechanical modeling of stress generation during cure of encapsulating resins
[DE91-011496] 20 p3322 N91-28393
LAGEN, NICHOLAS T.
Water cooled static pressure probe
[NASA-CASE-LAR-14340-1-CU]
05 p0663 N91-13684
Liquid cooled supersonic total temperature probe
[NASA-CASE-LAR-14435-1-CU]
18 p2929 N91-26159
LAGEWEG, B. J.
Mutiprocessor scheduling with communication delays
[CWI-BS-R9018] 10 p1578 N91-18684
LAGHARI, JAVAID R.
Multifactor stress aging of electrical insulation
[AD-A232915] 16 p2620 N91-24504
LAGOS, M.
Superconductivity in doped antiferromagnets
[DE91-618100] 16 p2696 N91-24928
LAGOWSKI, JACEK
Investigation of new semiinsulating behavior of III-V compounds
[NASA-CR-187682] 04 p0587 N91-13278
Investigation of new semiinsulating behavior of 3-5 compounds
[AD-A226787] 06 p0880 N91-14862
LAGRANGE-HENRI, ANNE-MARIE
The inner part of the protoplanetary disk around Beta Pictoris 10 p1620 N91-18935
LAGRANGE, DONALD E.
Aerial flare and igniter
[AD-D014940] 22 p3655 N91-30342
LAGUNA, G.
Anastasia: A solid model based 3D finite difference mesh generator
[DE91-007621] 11 p1783 N91-19783
LAGUTIN, M. F.
Effect of turbulence on impurity observation in upper atmosphere using lidar method
18 p3003 N91-26584
LAGZDINA, DAIRA
Deformation mechanisms in rapidly solidified aluminum alloys 02 p0196 N91-11096
LAHAYE, R. J.
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
LAHER, RUSS R.
Improved fits for the vibrational and rotational constants of many states of nitrogen and oxygen
[AD-A229996] 13 p2047 N91-21263
LAHLOU, M.
Literature review: Computer aided assessment techniques for nonpoint source discharges
[AD-A236347] 19 p3187 N91-27622
LAHTI, DANIEL JOHN
Theory and experiments on subcritical compressible gas flow metering 17 p2729 N91-25112
LAHTI, TAPIO
Analysis methods for acoustical systems based on the FFT and intensity techniques
[VTT-67] 03 p0415 N91-12323
LAI, B.
Coherent hard x ray focusing optics and applications
[DE91-017968] 24 p4103 N91-32928
LAI, C. A.
Progress on data accession and preparation of user's guides
[AD-A234920] 22 p3765 N91-30990
LAI, H. T.
The 3D computation of single-expansion-ramp and scramjet nozzles 13 p2016 N91-21092
Viscous three-dimensional analyses for nozzles for hypersonic propulsion 15 p2380 N91-23175
LAI, M. C.
CFD analysis of jet mixing in low NOx flametube combustors
[NASA-TM-104466] 18 p2926 N91-26146
LAI, M. K. Y.
An overview of aerothermal modeling
[NRC-32088] 21 p3472 N91-29258
LAI, MING-CHIA
Rapid mix concepts for low emission combustors in gas turbine engines
[NASA-CR-185292] 11 p1640 N91-19048
LAI, SHU T.
Plasma density modifications by means of pulsed beam CIV in the ionosphere 10 p1551 N91-18530
LAI, Y. G.
A review of near-wall Reynolds-stress
[NASA-CR-4369] 14 p2187 N91-22080
LAI, YONG-GEN
Near-wall modelling of complex turbulent flows
20 p3347 N91-28534
LAIBINIS, PAUL E.
Heterogeneous catalysis on platinum and self-assembled monolayers on metal and metal oxide surfaces
[AD-A235055] 18 p2954 N91-26302
LAICH, ERICA
Analysis of air toxics emissions, exposures, cancer risks, and controllability in five urban areas. Volume 2: Controllability analysis and results
[PB90-259870] 09 p1359 N91-17468
LAINE, RICHARD M.
Materials Chemistry Symposium, American Chemical Society Northwest Regional Meeting
[AD-A235440] 19 p3122 N91-27250
LAINE, SEPPO
Three-dimensional viscous/inviscid coupling in subsonic flow
[REPT-B-24] 01 p0005 N91-10023

Calculation of three-dimensional viscous/inviscid interaction in subsonic flow
[REPT-B-25] 01 p0005 N91-10024
Computation of boundary layer flow using thin-layer Navier-Stokes equations with flux-vector splitting
[REPT-B-21] 01 p0043 N91-10254

LAIRD, C.
Micromechanical evaluation of ceramic matrix composites
[AD-A236756] 19 p3121 N91-27240

LAIRD, C. E.
Induced radioactivity in LDEF components 16 p2708 N91-24985
Study of activation of metal samples from LDEF-1 and Spacelab-2
[NASA-CR-184171] 21 p3479 N91-29297
Activation calculations for trapped protons below 200 MeV: Appendix
[NASA-CR-184170] 21 p3573 N91-29865

LAITINEN, TIMO
The electrochemistry of lead, antimony, and lead-antimony alloys in sulfuric acid solutions
[ETN-91-99261] 14 p2244 N91-22414

LAKE, CHARLES H.
Indium compounds which contain two different organic substituents. Crystal structure of (In(CH2CMe3)(CH2SiMe3)Cl)2, an interesting case of partial Ligand disorder in the solid state
[AD-A236730] 20 p3424 N91-28989

LAKE, GRAHAM C.
Aeronautical mobile satellite services ESA-PRODAT/SITA AIRCOM service trials programme 24 p3956 N91-32106
SITA satellite air communications implementation 24 p3957 N91-32113

LAKE, MARK S.
Buckling and vibration analysis of a simply supported column with a piecewise constant cross section
[NASA-TP-3090] 12 p1910 N91-20503
Comparison of structural performance of one- and two-bay rotary joints for truss applications
[NASA-TM-4282] 19 p3113 N91-27198

LAKIN, WILLIAM D.
Wave-interactions in supersonic and hypersonic flows
[NASA-CR-181054] 04 p0469 N91-12629

LAKOWSKE, STEPHEN
Industry liaison section implementation plan
[NASA-CR-177569] 01 p0008 N91-10048

LAKSHINA, G. S.
Ultrarelativistic low-frequency electromagnetic waves in pulsar magnetospheres 06 p0921 N91-15091

LAKSHMANASAMY, S.
Optical communication system having a wide-core single-mode planar waveguide
[AD-D014927] 22 p3755 N91-30930

LAKSHMINARAYANA, B.
Computation of supersonic and low subsonic cascade flows using an explicit Navier-Stokes technique and the kappa-epsilon turbulence model 13 p2013 N91-21072
A pressure based method for the solution of viscous incompressible turbomachinery flows 13 p2014 N91-21078
A new facility to study three dimensional viscous flow and rotor-stator interaction in turbines 16 p2587 N91-24336

LAL, R. B.
A study of microstructural characteristics and differential thermal analysis of Ni-based superalloys 19 p3275 N91-28115

LAL, RAVI B.
Growth and characterization of crystals for IR detectors and second harmonic gereration devices 19 p3268 N91-28078
Solution growth of Triglycine Sulfate (TGS) crystals on the International Microgravity Laboratory (IML-1) 19 p3269 N91-28080

LAL, RAVINDRA
Acceleration effects observed in optical data taken in Spacelab 3 FES 03 p0429 N91-12405

LAL, RAVINDRA B.
A study of microstructural characteristics of Ni-based superalloys at high temperatures
[NASA-CR-188047] 14 p2247 N91-22432

LALA, P. K.
Application of error correcting codes in fault-tolerant logic design for VLSI circuits
[AD-A228840] 09 p1327 N91-17291

LALCHANDANI, ATAM
Diffusion approximations for complex repair systems
[AD-A238100] 21 p3568 N91-29836

LALLEMENT, P.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644

LALLEMENT, PIERRE
Physics of RF breakdown for AIM applications 10 p1550 N91-18526
Artificial ionospheric mirrors for radar applications 10 p1554 N91-18545
System concept and analysis of an Artificial Ionospheric Mirror (AIM) radar
[AD-A234289] 18 p3011 N91-26630

LALLY, RICHARD W.
Analysis of radio frequency radiation from a propagating electron beam
[AD-A237941] 21 p3499 N91-29419

LALOR, N.
Practical considerations for the measurement of internal and coupling loss factors on complex structures
[ISVR-TR-182] 05 p0679 N91-13778
Acquiring SEA parameters on complex structures by a transient test method
[ISVR-TR-192] 12 p1915 N91-20532

LALVANI, HARESH
Comparative morphology of configurations with reduced part count derived from the octahedral-tetrahedral truss
[NASA-TM-102768] 11 p1664 N91-19168

LAM, B.
Design and status of the RF-digitizer integrated circuit 24 p3985 N91-32262

LAM, D. J.
Epitaxial TiO2 and VO2 films prepared by MOCVD (Metal-Organic Chemical Vapor Deposition)
[DE90-017806] 02 p0281 N91-11578
Tilt grain boundaries in YBa2Cu3O(7-x) thin films
[DE91-006088] 09 p1414 N91-17786
Electron microscopy study of MOCVD-grown TiO2 thin films and TiO2/Al2O3 interfaces
[DE91-006544] 09 p1416 N91-17797
HREM study of heteroepitaxial interfaces in the TiO2/Al2O3 system
[DE91-012473] 18 p3074 N91-26986
X ray diffraction study of heteroepitaxy of MOCVD grown TiO2 and VO2 films on sapphire single crystals
[DE91-013764] 20 p3432 N91-29037

LAM, JUAN F.
Nonlinear properties of novel materials
[AD-A231957] 14 p2331 N91-22881
Theory of novel nonlinear optics
[AD-A232659] 15 p2509 N91-23903
The First Nonlinear Optics: Materials, Phenomena, and Devices Conference
[AD-A234733] 18 p3064 N91-26926

LAM, NGHI Q.
Atomistic simulation of radiation-induced amorphization of the B2 ordered intermetallic compound NiTi
[DE91-006032] 09 p1315 N91-17216
Ion beam modifications of near-surface compositions in ternary alloys
[DE91-006035] 09 p1315 N91-17217
Calculation of defect properties of NiTi and FeTi
[DE91-006033] 09 p1414 N91-17785

LAM, T.
Macular bioaccelerometers on Earth and in space 17 p2819 N91-25580

LAM, Y. M.
A study of space communications spread-spectrum systems, phase 5 and 6. Part 2: Coding and modulation
[QU-90-2-PT-2] 21 p3496 N91-29396

LAMARCHE, J. L.
Potential impacts of global climate change on solar thermal power systems
[DE91-011239] 17 p2808 N91-25526

LAMARRE, J. M.
The 3.3 micron emission feature: Map of the galactic disk, 10 deg less than 1 less than 35 deg, - 6 deg less than b less than 6 deg 06 p0892 N91-14928

LAMB, BRIAN
Impact of ionospheric scintillations on space-based surveillance radars
[AD-A237673] 21 p3499 N91-29417

LAMB, R. N.
Vapor deposition of polyimide and polyimide precursors on copper
[AD-A225729] 04 p0507 N91-12814

LAMB, SUSAN A.
A multiwavelength survey of interacting galaxies 08 p1253 N91-16898
Star formation in infrared bright and infrared faint starburst interacting galaxies 08 p1253 N91-16901
Dynamical experiments on models of colliding disk galaxies 08 p1264 N91-16959
IUE observations of interacting starburst galaxies 09 p1446 N91-17978

LAMBECK, ERNST WILLEM
Contribution to the theory of distance regular graphs
[ETN-91-99169] 14 p2320 N91-22812

LAMBECK, K.
Teleseismic traval-time anomalies and deep crustal structure of the northern and southern margins of the Amadeus Basin 19 p3197 N91-27673

LAMBERT, ANTHONY
Report of the panel on international programs 13 p2107 N91-21599

LAMBERT, H. H.
Preliminary flight evaluation of an engine performance optimization algorithm
[NASA-TM-4328] 24 p3962 N91-32140

LAMBERT, HEATHER H.
A preliminary evaluation of an F100 engine parameter estimation process using flight data
[NASA-TM-4216] 13 p2078 N91-21446
A simulation study of turbofan engine deterioration estimation using Kalman filtering techniques
[NASA-TM-104233] 17 p2736 N91-25147

LAMBERT, J.
Fiber Optic Tactical Local Network (FOTLAN) 15 p2540 N91-24072

LAMBERT, K.
Physical optics for oven-plate scattering prediction
[NASA-CR-187140] 22 p3667 N91-30418

LAMBERT, KEVIN M.
Measured performance of the half-scale accurate antenna reflector
[NASA-CR-187047] 11 p1698 N91-19350
Description and operation of a microwave reflectance measurement system
[NASA-CR-187063] 12 p1890 N91-20394

LAMBERT, MARIE E.
The effects of site configuration on a tactile information display for the human head
[AD-A227704] 07 p1037 N91-15687

LAMBERT, MICHEL
Shielding against orbital debris: A challenging problem 03 p0332 N91-11861

LAMBERT, STEVEN R.
Gulf of Maine sea surface topography from GEOSAT altimetry 02 p0227 N91-11271

LAMBERTDEROUVROIT, M.
Aero-thermal investigation of a highly loaded transonic linear turbine guide vane cascade. A test case for inviscid and viscous flow computations
[VKI-TN-174] 15 p2426 N91-23437

LAMBERTSON, MICHAEL
Comparison of two on-orbit attitude sensor alignment methods 09 p1287 N91-17074

LAMBERTY, GREGORY L.
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 08 p1184 N91-16513
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 24 p4062 N91-32692

LAMBETH, DAVID N.
The role of microstructural phenomena in magnetic thin films
[DE91-006797] 10 p1608 N91-18873

LAMBIOTTE, JULES J.
Gigaflop performance on a CRAY-2: Multitasking a computational fluid dynamics application
[NASA-TM-4305] 24 p4088 N91-32841

LAMBORN, MARK JACKSON
Deformation and delamination of inelastic laminates under tensile and torsional loading 02 p0190 N91-11063

LAMBRAKAKIS, GEORGIOS D.
Experimental investigation of a mm-wave planar antenna
[AD-A236934] 19 p3153 N91-27433

LAMBRIANIDIS, L.
Examination of the microstructure of 7050 aluminum alloy samples
[AD-A232544] 15 p2403 N91-23306

LAMERIS, J.
The static strength of mechanically fastened carbon-epoxy joints without bending
[NLR-TP-89019-U] 22 p3695 N91-30573

LAMERS, H. J. G. L. M.
Carbon and nitrogen abundances in the supergiants HD 93840 and zeta Per 09 p1437 N91-17919

LAMERS, HENNY J. G. L. M.
Circumstellar grain extinction properties of recently discovered post AGB stars 06 p0911 N91-15028

LAMERS, PAUL
The study of space communications spread spectrum systems. Part 3: Uplink synchronization in an EHF frequency-hopped satellite system
[QU-90-3-PT-3] 21 p3496 N91-29397

LAMINE, JACQUES
Three dimensional Euler equation solving on parallel machines
[ETN-91-99913] 23 p3869 N91-31583

LAMISCARRE, B.
RADAC model deformation measurement system: First results at the F1 wind tunnel
[AAAF-NT-89-03] 23 p3784 N91-31098
LAMKIN, STEPHEN
Pathfinder autonomous rendezvous and docking project
[NASA-TM-102163] 04 p0463 N91-12590
LAMM, M. J.
Measurement of time dependent fields in high gradient superconducting quadrupoles for the Tevatron
[DE91-004975] 10 p1594 N91-18794
LAMMENS, J. M.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
LAMMERING, ROLF
Structural analysis and optimization of a propfan-blade by use of the finite element method
02 p0159 N91-10924
Structural analysis and optimization of a propfan blade by use of the finite element method
[ESA-TT-1216] 13 p2101 N91-21566
LAMMERS, J. O.
The use of Petri net theory for Simplexys expert systems protocol checking
[EUT-90-E-238] 22 p3733 N91-30784
LAMPERT, CARL M.
Electron microscopy and electrochemistry of nickel oxide films for electrochromic devices produced by different techniques
[DE90-011596] 08 p1118 N91-16142
LAMPO, S. M.
Direct glass bonded high specific power silicon solar cells for space applications 22 p3634 N91-30221
LAMPPA, D. L.
Phase formation in the Tl-Ca-BaCu-O system
[DE91-006184] 11 p1810 N91-19942
LAMY, P. L.
Optical properties of irregular interstellar grains
06 p0904 N91-14995
LAMZIN, S. A.
Multifrequency behaviour of the T Tauri star RU Lupi
09 p1433 N91-17892
LAN, C. E.
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 1: Steady
[AD-A233482] 16 p2547 N91-24113
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 2: User manual for VORSTAB-2
[AD-A233483] 16 p2547 N91-24114
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 3: Unsteady
[AD-A233569] 16 p2547 N91-24115
LAN, C. EDWARD
Fourier functional analysis for unsteady aerodynamic modeling
[NASA-CR-187964] 10 p1462 N91-18064
Aerodynamics of thrust vectoring by Navier-Stokes solutions
[NASA-CR-188186] 14 p2189 N91-22092
LAN, E. H.
A comparison of ground-based and space flight data: Atomic oxygen reactions with boron nitride and silicon nitride
[NASA-TM-103385] 10 p1555 N91-18550
Atomic oxygen effects on boron nitride and silicon nitride: A comparison of ground based and space flight data
11 p1660 N91-19146
LAN, J. S.
Parametric design calculations using Green's function to determine unique source
[DE91-014683] 21 p3572 N91-29861
LANAGAN, M.
Performance of a high T(sub c) superconducting ultra-low loss microwave stripline filter
24 p3984 N91-32255
LANAGAN, M. T.
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
Thermomechanical processing of YBa2Cu3O(x)/Ag sheathed wires
[DE91-006548] 09 p1417 N91-17799
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Atmosphere control during preparation of YBa2 Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
Texture characterization of high Tc thick films
[DE91-006652] 10 p1607 N91-18870
Silver-sheathed multifilament wires
[DE91-008107] 11 p1810 N91-19941
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
LANCASTER, E. R.
Preliminary calibration plan for the Advanced Particles and Field Observatory (APAFO) magnetometer experiment
[NASA-TM-104545] 22 p3630 N91-30200
LANCASTER, M. J.
Passive microwave devices using high temperature superconductors 05 p0723 N91-14036
LANCASTER, N.
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
LANCE, CYRIL A.
Miniature imaging photometer, phase 2
[AD-A227716] 07 p1004 N91-15513
LANCE, D. G.
A damage tolerance comparison of IM7/8551 and IM8G/8553 carbon/epoxy composites
[NASA-TM-103526] 10 p1494 N91-18222
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185
LANCE, MICHAEL B.
Low-speed wind-tunnel test of an unpowered high-speed stoppable rotor concept in fixed-wing mode
[NASA-TM-4250] 10 p1457 N91-18033
LANCIOTTI, A.
Short crack observations in Ti-6Al-4V under constant amplitude loading 02 p0224 N91-11250
LANDAU, R. H.
Theoretical studies in nuclear physics
[DE91-013909] 20 p3405 N91-28873
LANDAUER, G.
Examination and mapping of forest damages, using remote sensing methods, part A
[ETN-90-97888] 03 p0385 N91-12145
LANDEAU, JOCELYNE
Space and Sea
[ESA-SP-312] 15 p2448 N91-23563
LANDEN, N.
Short pulse driven recombination x ray lasers
[DE90-009945] 08 p1151 N91-16340
Time response of fast-gated microchannel plates used as x ray detectors
[DE91-006243] 09 p1330 N91-17308
LANDEN, O.
Measurements with a 35 psec gate time microchannelplate camera
[DE91-006701] 11 p1707 N91-19400
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385
LANDEN, O. L.
Hydrodynamic evolution of picosecond laser-plasmas
[DE91-013245] 20 p3419 N91-28958
LANDEN, O. N.
Soft x ray detection with diamond photoconductive detectors
[DE91-000418] 04 p0585 N91-13264
LANDER, ERIC
Asymptotic distribution of the likelihood ratio test that a mixture of two binomials is a single binomial
[AD-A236714] 19 p3236 N91-27896
LANDER, J. F.
UJNR Tsunami Workshop Proceedings
[PB91-193656] 24 p4071 N91-32747
LANDERS, JOSEPH A.
A software development specification for nonlinear structural analysis
[AD-A228427] 08 p1203 N91-16614
LANDERS, T. E.
Soviet atmospheric acoustics research
15 p2500 N91-23848
LANDES, JOHN D.
Methodology for predicting ductile instability in welded structures
[AD-A235999] 19 p3179 N91-27580
LANDGRAF, M.
Optical shared memory system demonstration model
[AD-A226431] 05 p0651 N91-13612
LANDGREBE, AL
Advanced lead-acid batteries for utility applications
[DE91-007070] 10 p1520 N91-18367
LANDGREBE, D. A.
Hierarchical classification in high dimensional numerous class cases
[NASA-CR-188210] 16 p2667 N91-24754
LANDGREBE, DAVID
A survey of decision tree classifier methodology
[NASA-CR-188208] 15 p2493 N91-23806
Topics in inference and decision-making with partial knowledge
[NASA-CR-188209] 15 p2495 N91-23821
LANDHEIM, R.
Relative chronology of Martian volcanoes
11 p1821 N91-20007
LANDINGHAM, ROBERT L.
AC-130H Gunship Armor Upgrade Project
[DE91-002567] 06 p0802 N91-14428
LANDIS, D.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
LANDIS, GEOFFREY A.
Design considerations for lunar base photovoltaic power systems
[NASA-TM-103642] 05 p0767 N91-14259
Radiation resistance of thin-film solar cells for space photovoltaic power
[NASA-TM-103715] 11 p1665 N91-19176
Review of thin film solar cell technology and applications for ultra-light spacecraft solar arrays
11 p1669 N91-19198
Feasibility of solar power for Mars
11 p1669 N91-19201
Chemical approaches to carbon dioxide utilization for manned Mars missions
[NASA-TM-103728] 11 p1822 N91-20015
Vision-21: Space Travel for the Next Millennium
[NASA-CP-10059] 14 p2198 N91-22139
Reactionless propulsion using tethers
14 p2202 N91-22163
Applications of thin film technology toward a low-mass solar power satellite 14 p2205 N91-22179
Material processing with hydrogen and carbon monoxide on Mars
[NASA-TM-104405] 15 p2457 N91-23616
Mass budget for mining the moons of Mars
17 p2909 N91-26063
Optimum rocket propulsion for energy-limited transfer
17 p2909 N91-26064
Chemical approaches to carbon dioxide utilization for manned Mars missions 17 p2911 N91-26073
Production and use of metals and oxygen for lunar propulsion
[NASA-TM-105195] 21 p3466 N91-29222
Grooved surfaces on InP 22 p3632 N91-30208
Space power by laser illumination of PV arrays
22 p3635 N91-30227
Solar radiation on Mars: Update 1991
[NASA-TM-105216] 24 p4123 N91-33046
LANDIS, PAUL
Two-way time transfer modem
17 p2855 N91-25785
LANDOWNE, S.
Sub-barrier fusion and near-barrier quasi-elastic scattering
[DE91-006046] 09 p1396 N91-17685
LANDRAM, C. S.
Computational model for optimizing longitudinal fin heat transfer in laminar internal flows
[DE91-005070] 18 p2986 N91-26485
LANDRUM, JERRY L.
Data base structure to support the production of the digital bathymetric data base
[AD-A227915] 08 p1241 N91-16841
LANDRY, JOSEPH F.
An ultraviolet optical isolator utilizing the KDP-isomorphs
[AD-D014860] 18 p3063 N91-26923
LANDSBAUM, ELLIS M.
Slag estimation for solid rocket motors
16 p2572 N91-24254
LANDSCHEIDT, T.
Relationship between rainfall in the Northern Hemisphere and impulses of the torque in the sun's motion 03 p0446 N91-12491
LANDSMAN, W. B.
The intrinsic H I Lyman-alpha line profiles of late-type stars 09 p1437 N91-17920
LANDSTRASS, MAURICE
Synthesis and characterization of silicon-on-Diamond structures
[AD-A235460] 19 p3137 N91-27334
LANDUK, L. G.
Evolution of an aging program Minuteman Stage 2 solid rocket motor 16 p2576 N91-24275
LANDUYT, P.
Simulation of physico-chemical properties during the cure of thermoset systems 03 p0330 N91-11841
LANDY, ROBERT J.
Integrated control and avionics for air superiority: A knowledge-based decision aiding system
17 p2734 N91-25138

LANE, A.
The heat balance of the North Sea
[REPT-8-1989] 22 p3713 N91-30685
LANE, B.
Temperature compensation of PMOS dosimeters
24 p3996 N91-32336
LANE, D. W.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
LANE, DENNIS D.
Annular denuder systems: Precision and applicability to stratospheric sampling 24 p4033 N91-32532
LANE, M. T.
On the calculation of accurate antenna pointing for terminals working with geosynchronous communications satellites
[AD-A230734] 12 p1856 N91-20200
LANE, N. E.
Users manual for the Automated Performance Test System (APTS)
[NASA-CR-185631] 04 p0556 N91-13081
LANE, N. F.
Theoretical atomic collision physics
[DE91-006276] 09 p1397 N91-17687
LANE, P. V. Z.
SEEP 2 zooplankton data report: Winter, spring and summer collections at mooring 3 during 1988
[DE91-012077] 18 p3019 N91-26668
LANE, S.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
LANE, S. N.
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899
LANE, THOMAS G.
Studying software architecture through design spaces and rules
[AD-A235737] 19 p3220 N91-27799
User interface software structures
[AD-A235778] 19 p3222 N91-27808
A design space and design rules for user interface software architecture
[AD-A237049] 20 p3384 N91-28748
LANG, BRUNO
Vega-Giotto flyby missions and cometary cosmogony
06 p0907 N91-15009
LANG, HAROLD
Report of the panel on lithospheric structure and evolution, section 3 13 p2106 N91-21592
LANG, N. D.
Self-consistent calculation of atomic adsorption on metals in high electric fields
[AD-A236205] 19 p3242 N91-27931
LANG, N. J.
A critical comparison of two-equation turbulence models
[NASA-TM-105237] 23 p3871 N91-31597
LANG, P. M.
Atmospheric methane data for the period 1986-1988 from the NOAA/CMDL global cooperative flask sampling network
[PB91-129122] 13 p2112 N91-21626
Atmospheric methane concentrations: The NOAA/CMDL global cooperative flask sampling network, 1983 - 1988
[DE91-014942] 21 p3539 N91-29664
LANG, R. H.
UHF radiowave propagation through forests
[AD-A225972] 04 p0515 N91-12861
LANG, ROLF
The value of on-site sodar data in regional modeling
[DE90-009921] 08 p1180 N91-16498
LANGAN, T. J.
Microstructure-property relationships in Al-Cu-Li-Ag-Mg Weldalite (tm) alloys, part 2
[NASA-CR-4364] 20 p3312 N91-28334
LANGBEIN, D.
Acoustic mixing (TEXUS 5) 23 p3842 N91-31423
Solidification of immiscible alloys (TEXUS 8)
23 p3842 N91-31424
Separation of transparent fluids due to Marangoni convection (TEXUS 7) 23 p3842 N91-31425
Marangoni transport of droplets at a solidification front (TEXUS 9) 23 p3842 N91-31426
LANGBERG, BOB
Design of a scientific probe for obtaining Mars surface material
[NASA-CR-186672] 02 p0293 N91-11641
LANGDON, A. B.
Theory and simulation of Raman scattering in intense, short pulse laser plasma interactions
[DE91-008734] 12 p1984 N91-20915
LANGDON, A. BRUCE
Relativistic shock waves and the excitation of plerions
[DE91-007623] 15 p2532 N91-24027
LANGDON, B.
Chamber propagation
[DE91-012797] 20 p3418 N91-28954
LANGDON, WILLIAM R.
Agility: Presentation and flight test methods for the operational fighter pilot
[AD-A238456] 21 p3457 N91-29174
LANGE, A.
X ray diffraction scanning microscopy: A new method of non-destructive characterization of inhomogeneous materials 03 p0335 N91-11877
LANGE, ANDREW E.
A rocket-borne measurement of interstellar dust emission at high galactic latitude
06 p0900 N91-14976
LANGE, E.
Prospects of CsJ(Tl)-photodiode detectors for low level spectroscopy
[MPI-PAE/EXP.EL-228] 05 p0714 N91-13984
LANGE, F. F.
Partitioning reactions to control and develop unique microstructures
[AD-A229029] 09 p1413 N91-17775
Microstructural changes in Beta-silicon nitride grains upon crystallizing the grain-boundary glass
23 p3930 N91-31963
LANGE, FRED F.
Effect of surface forces on the rheology of particle-liquid systems and the consolidation of ceramic powders
[AD-A234375] 18 p2941 N91-26221
LANGE, FRIEDRICH
Estimation and representation of multidimensional mappings
[ESA-TT-1223] 22 p3745 N91-30869
LANGE, G.
Development of a relatchable cover mechanism for a cryogenic IR-sensor 16 p2640 N91-24612
LANGE, J. P.
Partial oxidation of light alkanes in transition-metal ion containing zeolites
[DE91-008202] 18 p2944 N91-26243
LANGE, R.
Treatment of denser-than-air releases in an advection-diffusion model: Thermodynamic effects
[DE91-010152] 15 p2460 N91-23632
Phase transition (TEXUS 8) 23 p3832 N91-31374
LANGE, ROY H.
Application of advanced technologies to future military transports 10 p1466 N91-18083
LANGE, WILLIAM G.
The MESA accelerometer for space application
03 p0431 N91-12413
LANGEHOUGH, M. A.
Personnel launch system autoland development study
[NASA-CR-187495] 10 p1473 N91-18116
LANGEL, R. A.
The Magsat bibliography. Revision 1
[NASA-TM-104534] 12 p1924 N91-20586
Preliminary calibration plan for the Advanced Particles and Field Observatory (APAFO) magnetometer experiment
[NASA-TM-104545] 22 p3630 N91-30200
LANGEL, ROBERT A.
Report of the panel on geopotential fields: Magnetic field, section 9 13 p2107 N91-21598
Geodynamics branch data base for main magnetic field analysis
[NASA-TM-104542] 13 p2117 N91-21653
Geomagnetic model investigations for 1980 - 1989: A model for strategic defense initiative particle beam experiments and a study in the effects of data types and observatory bias solutions
[NASA-TM-104541] 13 p2117 N91-21654
LANGENBAHN, A.
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061
LANGER, E.
Antenna subarrays and GaAs T/R modules for X-SAR on EOS 07 p0993 N91-15451
LANGER, F. D.
Computer aided design and simulation of the automatic approach and landing phase of a combat aircraft
07 p1042 N91-15719
LANGER, HELMAR
Holographic examination of great surface fiberbound components in industrial conditions: Resumes of final reports, April 1986 to June 1989
[MBB-Z-0306-90-PUB-KURZFASSUNG]
01 p0023 N91-10136
LANGER, S. H.
X ray spot motion during 220 ps laser pulses
[DE91-012111] 18 p2991 N91-26519
LANGER, STEVEN H.
The effects of laser beam non-uniformities on x ray conversion efficiency
[DE91-004879] 07 p1069 N91-15883
LANGER, W. D.
Atomic oxygen beam source for erosion simulation
12 p1951 N91-20733
Characterization of a 5-eV neutral atomic oxygen beam facility 12 p1952 N91-20736
LANGERAK, ROM
Decomposition of functionality: A correctness preserving LOTOS transformation
[MEMO-INF-90-27] 10 p1570 N91-18635
LANGERVELD, DIRK
The technique of Cerenkov ring image detection
[ETN-90-97747] 01 p0121 N91-10714
LANGFORD, M. D.
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482
LANGHI, R. G.
Euler and potential experiment/CFD correlations for a transport and two delta-wing configurations
[NASA-TM-102208] 01 p0003 N91-10014
LANGHOFF, STEPHEN R.
Theoretical study of the C-H bond dissociation energy of acetylene
[NASA-CR-187858] 08 p1105 N91-16065
LANGHORN, A.
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
LANGLEY, PAT
An integrated cognitive architecture for autonomous agents
[AD-A225701] 04 p0555 N91-13076
LANGLEY, R. A.
An assessment of the lifetime of Faraday shield elements
[DE91-012228] 20 p3334 N91-28463
LANGNER, ANDREAS
Specific heat of anisotropic superconductors
[AD-A225031] 03 p0414 N91-12314
LANGRY, K.
Preliminary field demonstration of a fiber-optic TCE sensor
[DE91-008453] 13 p2089 N91-21498
LANGSTON-UNKEFER, P. J.
Plant growth is influenced by glutamine synthetase-catalyzed nitrogen metabolism
[DE91-014592] 20 p3380 N91-28725
LANKARANI, HAMID
Dynamic behavior of the human body subjected to impact conditions with and without restraint
04 p0459 N91-12568
A brief examination and comparison between the Federal motor vehicle safety standards and the Federal aviation regulations
[NIAR-91-25] 22 p3770 N91-31020
LANKARANI, HAMID M.
The effect of paint removal by natural bead blasting on the surface morphology of composite materials
[NIAR-90-24] 07 p0972 N91-15335
A generalized contact/impact analysis of mechanical systems
[NIAR-90-27] 07 p1012 N91-15559
Local plasticity effect in impact analysis of solids
[NIAR-90-29] 07 p1020 N91-15601
Use of natural particles for the removal of paint from aeronautical composite materials
10 p1454 N91-18015
Computer simulations of an aircraft occupant-restraint system 10 p1455 N91-18021
Feasibility study in crack detection in aircraft stiffened panels by pulse probing and deconvolution
16 p2554 N91-24158
The effect of surface generated scratches on the fatigue life of aerospace materials 16 p2554 N91-24159
Mechanical paint removal techniques for composite aircraft 16 p2555 N91-24163
LANKFORD, JAMES
Characterization of mechanical damage mechanisms in ceramic and polymeric matrix composite materials
[AD-A230220] 12 p1873 N91-20294
Study of high temperature failure mechanisms in ceramics
[AD-A230361] 12 p1874 N91-20298
Crack growth processes at elevated temperatures in advanced materials
[AD-A233574] 16 p2647 N91-24658
LANKFORD, JAMES, JR.
Characterization of mechanical damage mechanisms in ceramic composite materials
[NR-032-553] 18 p2943 N91-26235
Response of whisker-reinforced ceramic matrix composites to dynamic compressive loading
18 p2943 N91-26236

Fragmentation of brittle materials at high rates of loading 18 p2943 N91-26237
Long-rod penetration of confined ceramic tiles [AD-A234312] 18 p2994 N91-26534
LANKFORD, W. F.
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
LANNELONGUE, N.
Characteristics and performance of an operational windscatterometer 15 p2455 N91-23607
LANNUTTI, J. E.
High energy physics program. Task A: Experiment and Theory. Task B: Numerical simulation of quantum field theories [DE91-015652] 23 p3926 N91-31938
LANSAW, P. TINA
High temperature oxidation-resistant thruster research [NASA-CR-185233] 08 p1104 N91-16063
LANSBURY, A. N.
Forecasting catastrophe by exploiting chaotic dynamics [DE91-001118] 04 p0573 N91-13185
LANSMAN, MARCY
A cognitive basis for a computer writing environment [AD-A225734] 04 p0561 N91-13115
Using computer-generated protocols to study writers' planning strategies [AD-A228875] 08 p1242 N91-16844
LANT, CHRISTIAN T.
Two-dimensional high temperature strain measurement system 16 p2584 N91-24319
LANUTTI, J. J.
Stress-density variations in alumina sediments: Effects of polymer chemistry [DE91-009055] 15 p2404 N91-23313
LANZ, T.
Nitrogen abundances in chemically peculiar stars 09 p1435 N91-17903
LANZEROTTI, L. J.
Synthesis of H2 in dirty ice mantles by fast ion energy loss: New experimental results increase the relevance of this mechanism 06 p0898 N91-14962
LAO, L.
Motional Stark effect polarimetry for the current profile diagnostic in D3-D [DE90-012071] 08 p1229 N91-16773
LAO, L. L.
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak [DE91-008921] 12 p1984 N91-20918
Dependence of the DIII-D beta limit on the current profile [DE91-011140] 17 p2867 N91-25860
Effects of current profiles on MHD stability [DE91-011742] 17 p2869 N91-25872
LAOR, ARI
The spectrum of massive accretion disks 15 p2499 N91-23840
LAPA, V. V.
Psychological assessment of horizon indicators in planes 10 p1561 N91-18582
Psychophysiological characteristics of sensorimotor activity of operators after short-term simulated weightlessness 19 p3207 N91-27727
LAPASTINA, A.
Advanced technology application in the flight deck design for military transport aircrafts 10 p1464 N91-18075
LAPCHINE, LYDIE
Growth rate of bacteria without and with antibiotic at different levels of gravity 11 p1751 N91-19632
LAPEAN, J.
Feasibility study of a synthesis procedure for array feeds to improve radiation performance of large distorted reflector antennas [NASA-CR-187954] 10 p1513 N91-18329
LAPEDES, A. S.
A parallel non-neural trigger tracker for the SSC [DE91-008594] 19 p3243 N91-27938
LAPENTA, BILL
Global water cycle 24 p4056 N91-32661
LAPENTA, WILLIAM
Comparison of SSM/I measurements to numerically-simulated cloud and precipitation during ERICA 08 p1181 N91-16501
LAPENTA, WILLIAM M.
The role of the sea-surface temperature distribution on numerically simulated cyclogenesis during ERICA 24 p4061 N91-32688
LAPENTA, WILLIAM MICHAEL
A numerical investigation of wintertime East Coast cyclogenesis 09 p1367 N91-17511
LAPID, MORDECHY
Cochlear model and measurements of combination tones [ITN-90-85055] 07 p1061 N91-15839
LAPIERRE, SERGE
A functional partial semantics for intensional logic [ITLI-LP-90-12] 22 p3732 N91-30778
LAPINE, LEWIS A.
Analytical calibration of the airborne photogrammetric system using a priori knowledge of the exposure station obtained from kinematic Global Positioning System techniques 20 p3366 N91-28646
LAPOINTE, M. A.
Magnetic fluctuation measurements in the Tokapole 2 tokamak [DE91-011427] 17 p2868 N91-25864
LAPOINTE, MICHAEL R.
Numerical simulation of self-field MPD thrusters [NASA-CR-187168] 21 p3567 N91-29832
Review of nondiffracting Bessel beams [NASA-CR-187188] 21 p3581 N91-29917
MPD thruster technology [NASA-TM-105242] 24 p3967 N91-32162
LAPORTE, JEAN-BERNARD
Hydrogen maser: Results of evaluations done by the CNES from May 1986 to December 1987 [CNES-DRT/TIT/TF-88/338-T] 01 p0048 N91-10284
LAPOTKO, D. O.
Acoustic stabilization of laser beam wavefront in nonhomogeneous gaseous medium 11 p1786 N91-19802
LAPOUTRE, J. A.
New techniques for the union-find problem [RUU-CS-89-12] 05 p0709 N91-13954
LAPRAD, RICHARD F.
The role of time-limited dispatch operation in fault-tolerant flight critical control systems 04 p0483 N91-12687
LAPSHIN, V. I.
Nonlinear surface MHD waves in the inhomogeneous plasma with cusp-resonance in upper solar atmosphere 06 p0916 N91-15052
Nonlinearity influence in local resonance regions on the Alfven waves propagation in solar corona 06 p0917 N91-15055
LAPYGIN, V.
General designer describes Buran flight control, autopilot systems 08 p1100 N91-16039
LAQUER, HENRY L.
Preparation and properties of Y-124 superconductor made by a chemical precipitation method [DE91-006592] 10 p1607 N91-18867
LARAIA, V. J.
The avian eggshell as a model of biomineralization [DE91-012608] 20 p3323 N91-28400
LARDELLIER, A.
Improving military transport aircraft through highly integrated engine-wing design 10 p1465 N91-18081
LARIGALDIE, S.
Description and interpretation of aircraft lightning attachment electric and magnetic field measurements and video observation 24 p4046 N91-32601
Application of surface electrical discharges to the study of lightning strikes on aircraft 24 p4054 N91-32650
LARIMER, K. T.
Experimental study of the electrolysis of silicate melts 16 p2594 N91-24372
LARIN, S. A.
The alpha cubed sub S corrections to the Bjorken sum rule for polarized electroproduction and to the Gross-Llewellyn Smith sum rule [NIKHEF-H/90-23] 14 p2324 N91-22839
LARINA, O. N.
Blood serum protein composition and nitrogen metabolism metabolism in individuals exposed to lengthy hypokinesia 19 p3208 N91-27731
LARISON, PETER D.
Evaluation of system identification algorithms for aspect-independent radar target classification [AD-A225918] 04 p0514 N91-12859
LARKEY, PATRICK D.
National software capacity: Near-term study [AD-A226694] 06 p0859 N91-14743
National software capacity: Near-term study executive summary [AD-A227564] 08 p1199 N91-16590
LARKIN, M.
Evaluation of panel code predictions with experimental results of inlet performance for a 17-inch ducted prop/fab simulator operating at Mach 0.2 [NASA-TM-104428] 17 p2728 N91-25106
LARKIN, M. D.
IFDIS: An expert system for diagnosis of failures in jet aircraft engines [AD-A227757] 08 p1097 N91-16020
LARKIN, T. R.
Small Engine Component Technology (SECT) study [NASA-CR-175081] 16 p2562 N91-24207
LARKO, DAVID E.
Nimbus-7 TOMS Antarctic ozone atlas: August - December 1990 [NASA-RP-1264] 18 p3015 N91-26651
LAROCCA, FRANCESCO
Inverse methods for 3D internal flows 10 p1459 N91-18043
LAROCHE, P.
Study of lightning strikes on an aircraft in flight. Electric measurements [ONERA-RF-98/7154-PY] 23 p3786 N91-31112
VHF discharges in storm cells producing microbursts 24 p4049 N91-32620
Observations of bi-directional leader development in a triggered lightning flash 24 p4054 N91-32649
LAROS, J. G.
The high energy spectrum of the 1983, August 1b gamma-ray burst [MPE-PREPRINT-194] 15 p2535 N91-24040
LAROSA, J.
Microstructure, porosity, and mechanical property relationships of calcium-silicate-hydrate [AD-A235191] 18 p2950 N91-26279
LAROUSSI, MOSTEFA
Simulation of heteropitaxial multilayer growth: Formation of extended colonies and defects [LAAS-90404] 12 p1991 N91-20961
LARRACAS, F. B.
Space shuttle holddown post blast shield 16 p2642 N91-24623
LARSEN, E. B.
NIST calibration procedure for vertically polarized monopole antennas 30 kHz to 300 MHz [PB91-185124] 21 p3501 N91-29432
LARSEN, M. F.
Applications of MST radars: Meteorological applications 18 p3010 N91-26622
LARSEN, R. P.
The 1990 SAE methanol challenge: Summary of a successful student design competition [DE91-010276] 16 p2612 N91-24462
LARSEN, RICHARD J.
Rn222, Rn222 progeny and Rn220 progeny as atmospheric tracers of air masses at the Mauno Loa Observatory [DE90-014872] 01 p0093 N91-10539
LARSEN, ROBERT P.
A summary of prospects for methanol vehicles in the United States [DE90-009719] 08 p1156 N91-16370
LARSEN, SHAWN
GPS measurements of deformation associated with the 1987 Superstition Hills earthquake: Evidence for conjugate faulting [NASA-CR-187781] 07 p1029 N91-15647
GPS measurements of strain accumulation across the Imperial Valley, California: 1986-1989 [NASA-CR-187788] 07 p1029 N91-15649
LARSON, AARON
KBSA framework [AD-A230621] 12 p1958 N91-20769
LARSON, B. C.
Development of nanovolt-resolution x ray diffraction using resonant nuclear scattering [DE91-012217] 20 p3400 N91-28847
LARSON, D. C.
Measurement of the nitrogen total cross section from 0.5 eV to 50 MeV and analysis of the 433-keV resonance [DE91-012222] 18 p2953 N91-26293
LARSON, D. J.
The streamlined Darwin field method (and a solution technique that makes it practical) [DE91-009482] 13 p2159 N91-21903
LARSON, KEVIN P.
Visual photometric experiment data analysis [AD-A231915] 14 p2267 N91-22544
LARSON, KRISTINE
SALT orbit determination covariance analysis using GPS tracking [AD-A237899] 22 p3627 N91-30180
LARSON, KRISTINE MARIE
Precision, accuracy, and tectonics from the Global Positioning System 05 p0687 N91-13822
LARSON, N. M.
Measurement of the nitrogen total cross section from 0.5 eV to 50 MeV and analysis of the 433-keV resonance [DE91-012222] 18 p2953 N91-26293
Multilevel resonance analysis of Co-59 neutron transmission measurements [DE91-012135] 20 p3397 N91-28829

LARSON, RICHARD
Computations involving differential operators and their actions on functions 20 p3391 N91-28789
LARSON, RICHARD R.
A knowledge based application of the extended aircraft interrogation and display system
[NASA-TM-4327] 23 p3916 N91-31874
LARSON, S. M.
Determination of lunar ilmentite abundances from remotely sensed data 17 p2754 N91-25241
Evaluating some computer enhancement algorithms that improve the visibility of cometary morphology 17 p2895 N91-26000
Remote compositional mapping of lunar titanium and surface maturity 17 p2902 N91-26029
LARSON, STEPHEN M.
Near-nucleus H2O(+) structures in comets Brorsen-Metcalf, Okazaki-Levy-Rudenko, and Austin 12 p2005 N91-21037
Determination of lunar ilmenite abundances from remotely sensed data 16 p2596 N91-24383
LASALMONIE, A.
Materials and material systems for combined cycle engines 15 p2381 N91-23178
LASHER, DALE R.
Model performance during explosive cyclogenesis for two cold seasons
[AD-A231162] 14 p2287 N91-22649
LASHER, MARK
Laser-based display technology development at the Naval Ocean Systems Center (NOSC)
[AD-A236968] 19 p3172 N91-27538
LASHER, WILLIAM CHARLES
The computation of complex, two-dimensional turbulent flows using Reynolds stress closure 20 p3347 N91-28535
LASHMORE, D.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0198 N91-11108
LASKA, SHIRLEY
The changing face of the environmental issue
[PB91-138081] 15 p2459 N91-23624
LASKEY, K. J.
A study of confined diffusion flames
[AD-A226552] 05 p0634 N91-13512
LASKY, FRANK P.
Characteristics and development report for the MC3714 thermal battery
[DE91-000095] 03 p0359 N91-12013
LASLETT, L. J.
Modes of elliptical waveguides: A correction
[DE90-016647] 01 p0034 N91-10203
LASSAHN, GORDON D.
Automatic, high-resolution analysis of low-noise fringes
[DE90-009779] 08 p1196 N91-16574
LASSANYI, RUBY A.
Contents of the NASA ocean data system archive, version 11-90
[NASA-CR-187812] 08 p1189 N91-16535
LASSEIGNE, D. G.
Non-linear interaction of a detonation/vorticity wave
[NASA-CR-187550] 15 p2425 N91-23434
Stability of a non-orthogonal stagnation flow to three dimensional disturbances
[NASA-CR-187591] 19 p3165 N91-27501
LASSILA, D. H.
Fracture behavior of warm forged and CVD tungsten
[DE91-009756] 14 p2247 N91-22433
Deformation behavior of pre-shocked copper as a function of strain rate and temperature
[DE91-015180] 21 p3531 N91-29620
LASSILA, DAVID H.
High strain rate deformation behavior of shocked copper
[DE90-016481] 01 p0027 N91-10161
LASSILA, K. E.
Nonperturbative behavior of quarks
[DE91-011905] 18 p3060 N91-26903
LASSMANN, JENS
Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121
LAST, ISIDORE
Semiempirical study of rare gas and rare gas-hydrogen ionic clusters: Rn(+), (RnH)(+) and (RnH2)(+) for R = Ar, Xe
[AD-A226464] 04 p0503 N91-12791
Charge motion effects in ionic clusters
[AD-A238178] 21 p3576 N91-29886
Cooperative absorption-induced charge transfer in a solid
[AD-A229553] 22 p3666 N91-30413
LASTER, R.
Implementation of the flow-modulated skew-upwind difference scheme in the COMMIX-1C code: A first assessment
[DE91-011168] 18 p2986 N91-26489
LATANISION, R. M.
Galvanic corrosion of aluminum-matrix composites
[AD-A232138] 15 p2396 N91-23264
Deterministic analysis of processes at corroding metal surfaces and the study of electrochemical noise in these systems
[DE91-009997] 15 p2401 N91-23297
Corrosion of graphite aluminum metal matrix composites
[AD-A234322] 18 p2941 N91-26220
LATERVEER, R.
The Sphaleron at finite mixing angle
[NIKHEF-H/90-12] 14 p2324 N91-22835
LATHA, S.
Creep rupture properties of solution annealed and cold worked type 316 stainless steel cladding tubes
[DE91-618658] 16 p2633 N91-24575
LATHABAI, S.
Strength and microstructure of ceramics
[AD-A235424] 18 p2966 N91-26374
LATHAM, P. E.
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
LATHROP, B. W.
A two-scale solution of the forced Rayleigh-Plesset equation governing the dynamics of cavitation bubble vaporous growth
[AD-A232129] 15 p2427 N91-23446
LATHROP, J. A.
ECC ozonesonde observations at South Pole, Antarctica during 1989
[PB90-258914] 02 p0233 N91-11302
ECC ozonesonde observations at Mirny, Antarctica, during 1989
[PB90-252024] 04 p0544 N91-13018
Dobson spectrophotometer, ECC ozonesonde, and ground-based NOAA SBUV-2, S/N satellite instrument comparison ozone observations
[PB91-142299] 14 p2268 N91-22549
ECC ozonesonde observations at Point Barrow, Alaska during January 16 - April 19, 1989
[PB91-176438] 19 p3203 N91-27706
LATORRE, V. R.
Aerodynamics modeling of towed-cable dynamics
[DE91-008426] 12 p1831 N91-20060
LATORRE, VICTOR R.
Microwave measurements of water vapor partial pressure at temperatures up to 350 C
[DE90-011484] 08 p1108 N91-16087
LATTIMER, J. M.
Research in nuclear astrophysics: Stellar collapse and supernovae
[DE91-005988] 09 p1428 N91-17859
Research in nuclear astrophysics: Stellar collapse and supernovae
[DE91-015449] 21 p3606 N91-30066
LATTIMORE, MORRIS R., JR.
Ultraviolet radiation effects on the corneal epithelium 17 p2825 N91-25604
Contact lenses in the US Army attack helicopter environment 17 p2826 N91-25611
LATVAKOSKI, H.
Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801
LAU, J. E.
Aquifer characteristics and groundwater resources of the Amadeus Basin 19 p3199 N91-27681
LAU, KAI-HON
An observational study of tropical summertime synoptic scale disturbances 22 p3709 N91-30641
LAU, S. S.
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569
LAU, SONIE
Parallel processing and expert systems 12 p1945 N91-20700
Parallel processing and expert systems
[NASA-TM-103886] 18 p3042 N91-26796
LAU, STEPHEN
Dynamics of face and annular seals with two-phase flow
[NASA-CR-4256] 18 p2984 N91-26479
LAU, Y. Y.
Simulation studies of a klystronlike amplifier operating in the 10 to 100 GW regime
[AD-A229858] 12 p1891 N91-20398
Quantum extension of Child-Langmuir law
[AD-A232407] 15 p2505 N91-23878
High power klystron amplifier
[AD-D014862] 18 p2979 N91-26448
LAUB, R. J.
Inverse gas chromatography
[AD-A227677] 08 p1110 N91-16099
LAUBACHER, BRIAN A.
RSRM-13 (360Q013) ballistics mass properties flight designation STS-41
[NASA-CR-184092] 09 p1301 N91-17139
LAUCHLE, G. C.
Hydroacoustics of intermittent boundary-layer flow: A review
[AD-A235092] 18 p3057 N91-26883
LAUCKS, M. L.
INEX modeling of the Boeing ring optical resonator free-electron laser
[DE90-016488] 01 p0047 N91-10280
LAUDIEN, ECKEHARD
Noise level reduction inside helicopter cabins
[MBB-UD-0578-90-PUB] 11 p1791 N91-19828
LAUE, H. J.
Ion transmission studies of mulitple-sector isotope-ratio mass spectrometers
[DE91-014253] 21 p3474 N91-29265
LAUER, HOWARD V., JR.
Iron mineralogy of a Hawaiian palagonitic soil with Mars-like spectral and magnetic properties 14 p2350 N91-22997
LAUER, JAMES L.
Fundamental research on tribology
[AD-A232446] 15 p2440 N91-23519
LAUEROVA, D.
Failure criterion of thin-walled tubes subjected to proportional and non-proportional loading
[DE90-638387] 09 p1350 N91-17414
LAUF, R. J.
New materials for thick-film electronics
[DE91-000518] 07 p0998 N91-15481
Metallic phase-change materials for solar dynamic energy storage systems
[NASA-CR-187888] 09 p1355 N91-17445
Thin film hydrogen sensor
[DE91-014197] 20 p3349 N91-28550
LAUG, O. B.
NIST digitally synthesized power calibration source
[PB91-107474] 09 p1326 N91-17281
High current, very wide band transconductance amplifier
[PB90-238627] 09 p1327 N91-17287
LAUGHLIN, DAVID E.
The role of microstructural phenomena in magnetic thin films
[DE91-006797] 10 p1608 N91-18873
LAUGHLIN, R. B.
Analogous behavior in the quantum hall effect, anyon superconductivity, and the standard model
[DE91-016609] 24 p4110 N91-32970
LAUMANN, C. W.
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems
[DE91-011524] 17 p2781 N91-25390
LAUNAY, JEAN-CLAUDE
Eureca 1 AMF 117 experiment: An analysis of thermal and solutal transfer during the crystal growth of CdTe by the THM process
[REPT-911-430-118] 15 p2516 N91-23947
Eureca 1 AMF 117 experience: Thermal and solutal transfer analysis for CdTe in tellurium during crystal growth by the THM method
[REPT-911-430-120] 15 p2517 N91-23948
LAUNDER, B. E.
Introduction to the Modeling of Turbulence: Introduction 23 p3865 N91-31552
An introduction to second moment closure 23 p3865 N91-31555
Body force effects on turbulence 23 p3866 N91-31558
A new form of second-moment closure 23 p3866 N91-31560
An introduction to single-point closure methodology 23 p3866 N91-31561
LAUPRETRE, FRANCOISE
Composite matrix deformation process in relation to molecular structure
[ETN-91-99915] 23 p3806 N91-31232

LAURANCE, M.
Preliminary results from the chemistry of micrometeoroid experiment (AO 187-1) 16 p2711 N91-25005
LAUREIJS, RENE J.
Dust emission from high latitude cirrus clouds 06 p0892 N91-14930
Properties of grains derived from IRAS observations of dust 06 p0905 N91-15001
LAURENDEAU, NORMAND M.
Quenching-independent measurement of species concentrations in flames by laser-induced fluorescence [DE91-000795] 04 p0502 N91-12787
Asynchronous optical sampling for laser-based combustion diagnostics in high-pressure flames [AD-A229045] 09 p1310 N91-17188
LAURENT-GUY, BERNIER
The classical microwave frequency standards 17 p2850 N91-25757
LAURENT, PIERRE-JEAN
Q-splines [RR-830-M] 15 p2493 N91-23808
LAURICH, B. K.
Nonlinear optical absorption in intrinsic Stark effect superlattices [DE90-016466] 01 p0130 N91-10767
Photoabsorption modulation in GaAs: Ga(1-x)In(x) as strained-layer superlattices [DE91-000440] 04 p0591 N91-13301
Applications of strained layer superlattices [DE90-011204] 08 p1232 N91-16793
Growth condition dependence of RHEED pattern from GaAs(111)B surface [DE91-014770] 21 p3593 N91-29986
LAURIE, J. R.
Late Proterozoic and early Palaeozoic palaeontology and biostratigraphy of the Amadeus Basin 19 p3193 N91-27655
LAURIENTE, MICHAEL
EnviroNET: An online environmental interactions resource 12 p1949 N91-20725
LAURITSON, LEVIN
Data extraction and calibration of TIROS-N/NOAA radiometers [NOAA-TM-NESS-107-REV-1] 04 p0543 N91-13010
LAUW, H. K.
Control aspects of the brushless doubly-fed machine [DE91-009707] 15 p2417 N91-23387
LAVAL, G.
Models of collisional transport across a magnetic field with destroyed surfaces 20 p3409 N91-28900
LAVERGNE, CHRISTIAN
A particular linear model of variance components [RR-827-M] 15 p2496 N91-23824
LAVERNIA, E. J.
Mechanical properties of spray atomized SiC particle reinforced aluminum-titanium alloys [AD-A235231] 18 p2955 N91-26306
LAVERNIA, ENRIQUE J.
Grain boundary cavitation processes in a Ni3Al alloy at elevated temperatures [AD-A235279] 18 p2955 N91-26307
LAVERY, DAVID
NASA Planetary Rover Program 12 p1936 N91-20651
NASA information sciences and human factors program [NASA-TM-4291] 18 p3097 N91-27119
LAVID, M.
Infrared multiphoton ignition and combustion enhancement of natural gas [PB91-144584] 16 p2597 N91-24392
LAVIGNA, C.
Nonlinear dynamics and control of flexible structures [AD-A232795] 17 p2759 N91-25160
LAVINE, T. L.
SLC polarized beam source electron optics design [DE91-012911] 20 p3404 N91-28869
LAVIOLETTE, PAUL E.
Aircraft laser derived chlorophyll distribution across the Iceland-Faeroe front 17 p2793 N91-25451
LAVROFF, OLEG
Comparison between human and automatic translations (quality, costs, and processing time) 04 p0604 N91-13361
Possible recommendations to ministries and other authorities based on the foregoing papers 17 p2877 N91-25913
LAVRUKHINA, AVGUSTA K.
Physical-chemical processes in a protoplanetary cloud 14 p2345 N91-22965
LAW, B.
The magnetron-enhanced etching of double-level tungsten interconnect [DE91-014984] 21 p3481 N91-29306
LAW, C. C.
Lightweight disk alloy development [AD-A237064] 21 p3481 N91-29309
LAW, D. C.
RASS demonstration on a NOAA network wind profiler [PB90-268319] 09 p1366 N91-17508
LAW, MARGARET H.
Guide to IRDS applications: General concepts and strategic systems planning 14 p2340 N91-22937
LAWCONNELL, ROBERT I.
Chemiluminescent reactions of group 6 atoms (O(P-3)) and Se(P-3) with azide radicals [AD-A226872] 07 p0975 N91-15351
LAWING, PIERCE L.
Propulsion simulator for magnetically-suspended wind tunnel models 13 p2036 N91-21198
LAWLER, D.
Flight elements: Fault detection and fault management 09 p1281 N91-17042
LAWLER, GREGORY M.
Validation of the Schwartz and Hon algorithm at low grazing angles [AD-A238162] 21 p3557 N91-29767
LAWLER, R. G.
Comment on: Analytic solution of the Stochastic-Liouville model of spin-exchange [DE91-010570] 15 p2503 N91-23861
LAWLESS, BROTHER DESALES
A study of murine bone marrow cells cultured in bioreactors which create an environment which simulated microgravity 18 p3094 N91-27101
LAWLESS, G. W.
Composites supportability rapid test and evaluation [AD-A225243] 03 p0335 N91-11881
LAWLESS, JAMES G.
Status report on the land processes aircraft science management operations working group 17 p2798 N91-25476
LAWLESS, MICHAEL T.
Human factors design guidance during the conceptual design phase of system development: A methodological approach [AD-A224667] 08 p1192 N91-16552
LAWRENCE, ALBERT
Fractal image encoding [AD-A229910] 12 p1955 N91-20753
LAWRENCE, BARBARA
Database publishers' challenges for the future 17 p2876 N91-25910
LAWRENCE, C.
Solar electric propulsion for Mars transport vehicles [NASA-TM-103234] 11 p1665 N91-19178
LAWRENCE, CHARLES
The dynamic effects of internal robots on Space Station Freedom [NASA-TM-104345] 14 p2279 N91-22604
Structural design concepts for a multi-megawatt Solar Electric Propulsion (SEP) spacecraft [NASA-TM-105148] 22 p3694 N91-30565
LAWRENCE, DAVE
Proceedings of the 1990 AIAA/FAA Joint Symposium on General Aviation Systems [DOT/FAA/CT-90/11] 04 p0458 N91-12563
LAWRENCE, DEBBIE J.
Construction site Voice Operated Information System (VOIS) test [AD-A231633] 13 p2074 N91-21424
LAWRENCE, G. W.
Energetic binders for plastic bonded explosives [AD-D014830] 16 p2611 N91-24455
LAWRENCE, GEORGE F.
Large space structures and systems in the space station era: A bibliography with indexes [NASA-SP-7085(02)] 20 p3290 N91-28191
LAWRENCE, J.
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds [DE91-016239] 24 p4095 N91-32878
LAWRENCE, J. K.
A program of photometric measurements of solar irradiance fluctuations from ground-based observations 03 p0440 N91-12459
LAWRENCE, M.
Probabilistic finite elements for fracture and fatigue analysis 16 p2586 N91-24332
LAWRENCE, R. J.
Numerical and analytical analysis of thin laser-driven flyer plates [DE91-013748] 20 p3352 N91-28567
A simple model for the motion of pulsed-laser-driven thin flyers [DE91-011325] 23 p3877 N91-31634
System requirements for low-Earth-orbit launch using laser propulsion [DE91-017455] 24 p4024 N91-32490
LAWRENCE, R. V.
Advanced missile guidance 05 p0620 N91-13439
LAWRENCE, RHIDIAN
The Windvan pulsed CO2 Doppler lidar wide-area wind sensor 03 p0306 N91-11705
LAWRENCE, S. L.
Sensitivity of inlet performance predictions to CFD numerical and physical modeling 17 p2773 N91-25345
LAWRENCE, SCOTT L.
Application of CFD to sonic boom near and mid flow-field prediction [NASA-TM-102867] 01 p0003 N91-10015
Parabolized Navier-Stokes methods for hypersonic flows 24 p4013 N91-32433
LAWRENCE, T. W.
Diffraction-limited imaging of satellites using bispectral speckle interferometry [DE91-015745] 21 p3605 N91-30062
LAWRENCE, WILLIAM T.
Ecological applications of high resolution spectrometry 17 p2879 N91-25921
LAWSON, A. C.
Magnetic structures of actinide materials by pulsed neutron diffraction [DE91-000373] 08 p1109 N91-16093
LAWSON, ANDREW C.
Electronic, structural and transport properties of (almost) rare-earth-like actinide hydrides [DE90-016491] 01 p0130 N91-10771
LAWSON, BOBBY E.
Thermally isolated deployable shield for spacecraft [NASA-CASE-MFS-28524-1] 17 p2741 N91-25167
LAWSON, D.
High-throughput liquid-absorption air and aerosol sampler [DE91-013762] 20 p3370 N91-28670
LAWSON, D. L.
A report on SHARP (Spacecraft Health Automated Reasoning Prototype) and the Voyager Neptune encounter [NASA-CR-187810] 07 p1056 N91-15799
LAWSON, DANIEL D.
A phenomenological model of coating/substrate adhesion and interfacial bimetallic peeling stress in composite mirrors 03 p0327 N91-11816
LAWSON, H., JR.
Operational procedures for powering up, powering down, and configuring the qualification model of the FLTSATCOM satellite [AD-A238485] 21 p3465 N91-29217
LAWSON, J. K.
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems [DE91-011524] 17 p2781 N91-25390
LAWSON, R. N.
A compact 200 kV pulse transformer system [DE91-014669] 21 p3509 N91-29479
LAWSON, W.
A 30 MW, 10 GHz gyroklystron with linear collider application [DE90-009991] 09 p1338 N91-17347
LAWTON, E.
Simulation expert system for physiological mechanisms of the space motion sickness 11 p1745 N91-19596
LAWTON, RUSSELL A.
Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization [NASA-CASE-NPO-17678-1-CU] 19 p3256 N91-28014
LAWVER, B. S.
Gabor transforms and neural networks for automatic target recognition [DE91-011919] 18 p3049 N91-26834
LAX, M.
Electronic transport and lasing in microstructures [DE91-016751] 23 p3879 N91-31641
LAX, P. D.
Analytical and numerical methods; advanced computer concepts [DE91-014526] 21 p3561 N91-29795
LAY, DAVID C.
Applications of operator theory to maximum entropy problems [AD-A230417] 12 p1970 N91-20834
LAY, K. W.
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia [DE90-010707] 08 p1231 N91-16788
LAY, KENNETH W.
Development of elements of a high Tc superconducting cable [AD-A224971] 03 p0341 N91-11913
Development of elements of a high T(sub c) superconducting cable [AD-A233270] 16 p2694 N91-24918

Development of elements of a high T(sub c) superconducting cable
[AD-A236151] 20 p3423 N91-28986
Development of elements of a high T(sub c) superconducting cable
[AD-A239766] 23 p3863 N91-31543
LAY, P. A.
Solvent-dependent redox thermodynamics of metal amine complexes. The delineation of specific solvation effects
[AD-A237503] 21 p3475 N91-29272
LAYMAN, W. E.
The NASA controls-structures interaction technology program
[NASA-TM-102752] 08 p1103 N91-16057
LAYNE, CHARLES S.
The effects of deuterium on static posture control 18 p3094 N91-27102
LAYNE, T. C.
A PC based frequency domain LV processor
[DE91-009056] 20 p3348 N91-28541
LAYTON, CHUCK
Graphical interfaces for cooperative planning systems 02 p0165 N91-10956
LAZARETH, O.
Light weight space power reactors for nuclear electric propulsion
[DE91-014803] 21 p3468 N91-29232
A nuclear thermal rocket engine design based on the particle bed reactor suitable for a Mars mission
[DE91-016898] 24 p3967 N91-32160
LAZARETH, O. W.
A computer model to determine the primary contributors to relative radiation dose received by astronauts
[DE90-015681] 05 p0694 N91-13866
LAZARETH, OTTO
Ultra high temperature particle bed reactor design 14 p2199 N91-22144
LAZAREWICS, ANDREW R.
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
LAZARIS-BRUNNER, KENNETH S.
Study of the effect of multipath on modern DF algorithms, appendix C
[CTN-91-60176] 22 p3616 N91-30118
LAZARUS, E. A.
Dependence of the DIII-D beta limit on the current profile
[DE91-011140] 17 p2867 N91-25860
Effects of current profiles on MHD stability
[DE91-011742] 17 p2869 N91-25872
LAZARZ, N. M.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
LAZOFSON, LAURENCE E.
A biologically-inspired neural network architecture for image processing
[AD-A230495] 12 p1966 N91-20822
LAZRIEVA, N. L.
Asymptotic theory of M-estimators in general statistical models. Part 1: On asymptotic behaviour of estimators under model disturbance
[CWI-BS-R9019-PT-1] 10 p1587 N91-18747
Asymptotic theory of M-estimators in general statistical models. Part 2: On asymptotic behaviour of estimators in the presence of nuisance parameters
[CWI-BS-R9020-PT-2] 10 p1587 N91-18748
LE, HUACONG
Experimental research on digital control of engine JT15D-4
[AD-A225342] 04 p0481 N91-12681
LE, HUNG SON
Monogenic functions with parameters in Clifford analysis
[DE90-631582] 07 p1056 N91-15804
LE, JEANETTE
A simulation evaluation of a four-engine jet transport using engine thrust modulation for flightpath control
[NASA-TM-4324] 21 p3461 N91-29194
LE, JEANETTE H.
The role of the Remotely Augmented Vehicle (RAV) laboratory in flight research
[NASA-TM-104235] 22 p3618 N91-30128
LE, L. P.
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506
LE, PHUNG D.
Model-based 3-D recognition system using Gabor features and neural networks
[AD-A230387] 12 p1964 N91-20809
LE, TUYEN D.
Experiment M0003-10: Advanced composites 16 p2718 N91-25049
LEA, ROBERT N.
Proceedings of the Second Joint Technology Workshop on Neural Networks and Fuzzy Logic, volume 2
[NASA-CP-10061-VOL-2] 12 p1965 N91-20811
Fuzzy logic in autonomous orbital operations 12 p1965 N91-20815
Proceedings of the Second Joint Technology Workshop on Neural Networks and Fuzzy Logic, volume 1
[NASA-CP-10061-VOL-1] 13 p2140 N91-21778
Applications of fuzzy logic to control and decision making 15 p2536 N91-24049
LEACH, CAROLYN S.
Effects of weightlessness on human fluid and electrolyte physiology 17 p2819 N91-25578
A systems approach to the physiology of weightlessness 17 p2820 N91-25584
LEACH, M.
Assessment of the absolute accuracy of long-baseline kinematic GPS positioning of a moving vehicle
[PB91-129379] 13 p2022 N91-21125
LEACH, RODMAN N.
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
Effect of pressure on electrostatic processes on Mars 18 p3087 N91-27069
Saltation threshold detection in a wind tunnel by the measurement of the net electrostatic charge 18 p3087 N91-27070
Saltation threshold reduction due to the electrostatic agglomeration of fine particles 18 p3087 N91-27071
Martian dust threshold measurements: Simulations under heated surface conditions 18 p3089 N91-27081
LEADBETTER, M. R.
Research in stochastic processes
[AD-A234650] 18 p3053 N91-26860
LEAF, G. K.
On the parallelization of an adaptive multigrid algorithm for a class of flow problems
[DE91-010795] 19 p3232 N91-27867
A dynamically adaptive multigrid algorithm for the incompressible Navier-Stokes equations: Validation and model problems
[NASA-CR-187595] 23 p3919 N91-31888
LEAHY, A. M.
TF89 tactical fighter outer wing design
[ETN-91-98580] 08 p1096 N91-16019
LEAHY, M. B., JR.
The AFIT gross motion control project 12 p1936 N91-20650
LEAITCH, W. R.
An observational study of the efficiency of activation of accumulation-mode particles in warm continental stratiform clouds
[DE91-013335] 21 p3542 N91-29681
LEAKEAS, C. L.
Parametric studies of dense plasma focus for fusion space propulsion with D-He3
[AD-A234578] 18 p3066 N91-26941
LEAN, D. E.
Experimental investigation of the separated flow past slender bodies in the RAE 5 metre low-speed pressurised wind tunnel
[RAE-TM-AERO-2209] 22 p3678 N91-30481
LEAN, J.
An estimate of changes in the sun's total irradiance caused by UV irradiance variations from 1874 to 1988 03 p0440 N91-12462
Solar cycle modulation of total irradiance: An empirical model from 1874 to 1988 03 p0445 N91-12484
LEAN, JUDITH L.
Solar variations and their influence on trends in upper stratospheric ozone and temperature
[NASA-CR-187999] 10 p1555 N91-18552
LEAODEMORAESNOVO, EVLYN MARCIA
Remote sensing estimation of total chlorophyll pigment distribution in Barra Bonita Reservoir
[INPE-5202-PRE/1664] 13 p2108 N91-21603
LEAR, K.
Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377
LEARNED, DAVID
PC tools for project management: Programs and the state-of-the-practice
[NASA-CR-187392] 04 p0558 N91-13094
LEARNED, DAVID B.
The integrated scheduling system: A case study in project management
[NASA-CR-187261] 01 p0134 N91-10793
LEASURE, C. S.
Quality assurance of field screening
[DE91-016303] 24 p4041 N91-32582
LEATHERMAN, GARY L.
Static fatigue behavior of structural ceramics in a corrosive environment
[AD-A225654] 03 p0345 N91-11936
LEATHERWOOD, J. D.
The development of interior noise and vibration criteria
[NASA-TM-102736] 01 p0119 N91-10702
LEAVITT, DENNIS D.
Proton depth dose distribution: 3-D calculation of dose distributions from solar flare irradiation
[AD-A231230] 13 p2183 N91-22061
Proton arc doses to the primate head
[AD-A235134] 18 p3030 N91-26726
LEAVITT, JOHN N.
Steerable windowed enclosures
[PATENT-1-262-653] 23 p3791 N91-31142
LEAVITT, RICHARD P.
Electrooptical quantum wells
[AD-A226102] 04 p0592 N91-13307
LEAVITT, THOMAS
Ada compiler evaluation capability: Version description document, release 2.0
[AD-A236684] 19 p3230 N91-27856
LEBAS, T. P.
GEOPLOT: User guide and programmer's guide
[IOS-279] 24 p4071 N91-32745
LEBEAU, S. E.
Microfilamentary Bi2Sr2Ca1Cu2O8 fibers
[DE90-018013] 02 p0279 N91-11571
LEBEDEV, N. V.
Interrelationship between the tearing-instability and magnetic island merging 06 p0924 N91-15109
LEBEDEV, V. S.
Triple galaxies and a hidden mass problem 08 p1249 N91-16875
LEBEDEV, VASILIJ N.
Cyclical games with prohibitions
[RR-821-M] 16 p2680 N91-24836
LEBLANC, J.
Research and development for Digital Voice Processing (DVP)
[AD-A238280] 21 p3501 N91-29427
LEBLANC, MARY
High strain rate deformation behavior of shocked copper
[DE90-016481] 01 p0027 N91-10161
LEBLANC, R.
Low level turbulence detection by a laser velocimetry technique: Application to transonic flows
[AAAF-NT-89-07] 23 p3784 N91-31101
LEBO, M. E.
Oceanographic data report Number 7: Data from the Delaware Estuary SCENIC cruises, April 1986 - September 1988
[PB91-183582] 21 p3547 N91-29706
Oceanographic data report Number 8: Density profiles from the Delaware Estuary, October 1986 - September 1988
[PB91-183608] 21 p3547 N91-29707
LEBOEUF, J. N.
Plasma turbulence calculations on the Intel iPSC/860 (RX) hypercube
[DE91-004773] 07 p1070 N91-15884
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
LEBOFSKY, L. A.
Compositions of near-Earth asteroids 16 p2596 N91-24386
LEBOFSKY, LARRY A.
Compositions of near-Earth asteroids 17 p2754 N91-25242
Near-infrared observations of primitive asteroids and a possible extinct comet 17 p2905 N91-26041
Characterization of low albedo asteroids 17 p2905 N91-26042
LEBRETON, J.-P.
Ionospheric plasma simulation in a large space simulator 07 p0953 N91-15236
LEBRETON, JEAN-PIERRE
Cassini: A mission to Saturn and Titan 10 p1618 N91-18924
LEBRON, RAMON C.
Test and evaluation of load converter topologies used in the Space Station Freedom Power Management and distribution DC test bed
[NASA-TM-105217] 22 p3642 N91-30267
LEBRUN, M. J.
IFS numerical laboratory tokamak
[DE91-011832] 17 p2870 N91-25873
Electrostatic particle simulations of density and temperature driven modes in a toroidal plasma 20 p3412 N91-28915
LECH, L.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
LECHNER, J. A.
Strength and creep-rupture properties of adhesive-bonded EPDM joints stressed in peel
[PB90-257676] 04 p0534 N91-12963

LECHON, J.
The development of the Ariane-4 adaptor 937B
03 p0327 N91-11823
LECKIE, F. A.
Reduction of thermal stresses in continuous fiber reinforced metal matrix composites with interface layers
[NASA-CR-185302] 01 p0023 N91-10133
Materials with periodic internal structure: Computation based on homogenization and comparison with experiment
[NASA-CR-185303] 03 p0379 N91-12117
Optimization of interface layers in the design of ceramic fiber reinforced metal matrix composites
[NASA-CR-185307] 06 p0801 N91-14422
Mechanical behavior of a continuous fiber reinforced aluminum matrix composite subjected to transverse and thermal loading
[NASA-CR-187132] 19 p3121 N91-27243
LECOINTE, Y.
Post processing of three dimensional aerothermal computation
[AAAF-NT-89-21] 23 p3913 N91-31848
LECOUAT, FRANCOIS
Expert operator's associate: An expert system for spacecraft control 14 p2217 N91-22253
Expert operator's associate: A knowledge based system for spacecraft control 14 p2315 N91-22786
A procedural expert system for spacecraft command and control 15 p2453 N91-23591
LECROY, S. R.
Surface radiation observations for October 27-28, 1986 during the Wisconsin FIRE/SRB experiment
01 p0081 N91-10481
LEDEBUHR, A. G.
WFOV star tracker camera
[DE91-012776] 20 p3282 N91-28148
LEDERER, P. G.
A transmission line method for the measurement of microwave permittivity and permeability
[RSRE-MEMO-4450] 15 p2418 N91-23394
LEDOUX, J.
A study of electrolytes for lithium batteries
[INRS-NRG-326-RF] 22 p3669 N91-30428
LEDUC, H. G.
Development of components for submillimeter wave heterodyne radiometers at JPL
13 p2176 N91-22017
LEE, A. D.
Implications of environmental externalities assessments for solar thermal powerplants
[DE91-010198] 16 p2652 N91-24679
LEE, ALFRED T.
Assessing information transfer in full mission flight simulations 02 p0163 N91-10946
Terminal weather information management
02 p0166 N91-10960
LEE, ALLAN Y.
Component mode damping assignment techniques
14 p2229 N91-22330
LEE, ANN K.
An empirical study of combining communicating processes in a parallel discrete event simulation
[AD-A230982] 13 p2072 N91-21412
LEE, ANTHONY C. L.
Experience gained in operation of the VLF ATD lightning location system 24 p4064 N91-32707
LEE, B. H. K.
Wind tunnel investigation and flight tests of tail buffet on the CF-18 aircraft 06 p0780 N91-14325
Effects of trailing-edge flap on buffet characteristics of a supercritical airfoil 06 p0780 N91-14327
LEE, B. J.
Fluidlike studies of the presheath and sheath regions of a plasma
[DE91-013345] 20 p3418 N91-28953
Fluidlike studies of the sheath and presheath regions of a plasma
[DE91-013343] 21 p3585 N91-29944
LEE, BURTRAND
Development and evaluation of superconducting circuit elements
[NASA-CR-187344] 04 p0517 N91-12875
Development of high Tc (greater than 110K) Bi, Tl and Y-based materials as superconducting circuit elements
[NASA-CR-188581] 18 p3068 N91-26948
LEE, BYUNG L.
Microcracking mechanisms and interface toughening of semi-IPN polyimide matrix composites
04 p0596 N91-13327
LEE, C. S.
Calculation of the rotor induced download on airfoils
02 p0148 N91-10864
LEE, CHI-MING
Jet-A reaction mechanism study for combustion application
[NASA-TM-104441] 23 p3797 N91-31181
LEE, CHING TSUNG
Coherent-state description of free-electron lasers
[DE91-017077] 24 p4023 N91-32486
LEE, CHONG H.
Adaptive detection in subspaces
[AD-A231023] 13 p2154 N91-21876
LEE, CHUEN-CHIEN
Intelligent control based on fuzzy logic and neural net theory 12 p1966 N91-20818
LEE, CHUNG KEUN
EXAFS study of sputtered Co/Al multilayers by electron detection: Structural difference due to deposition condition
[DE91-014787] 22 p3650 N91-30313
LEE, CHUNG M.
Control of catalytic hydrotreating selectivity with ammonia
[DE91-005511] 11 p1678 N91-19250
Control of catalytic hydrotreating selectivity with ammonia
[DE91-008405] 13 p2049 N91-21272
LEE, D. K.
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
LEE, DAVID CHUNG LIANG
Comparative analysis of AVHRR/NOAA and TM/LANDSAT data in the delimitation of savanna/forest contact area: Preliminary results
[INPE-5200-RPE/639] 13 p2109 N91-21611
A practical example of forest mapping and timber volume estimation using LANDSAT-5 TM imagery
[INPE-5244-PRE/1675] 21 p3534 N91-29635
Techniques of movement detection in the monitoring of reforested areas using LANDSAT/TM data
[INPE-5230-RPE/645] 22 p3697 N91-30582
LEE, DONG-HUN
Hydromagnetic wave coupling in the magnetosphere
15 p2461 N91-23638
LEE, E.
Thermal control for the ground simulation of a space IR sensor system 11 p1659 N91-19140
Special requirements in the design of a sensor test and integration laboratory 11 p1659 N91-19141
LEE, E. H.
Confidence intervals and curvature measures in nonlinear regression using the IML and NLIN procedures in SAS(tm) software
[PB90-246398] 01 p0108 N91-10624
Dual ion implantation effects on fatigue properties of Fe-13Cr-15Ni alloys
[DE91-015930] 23 p3816 N91-31286
LEE, E.-M.
Excited ionic and neutral fragments produced by dissociation of the N2(+)* H band
[NASA-CR-187987] 10 p1593 N91-18791
LEE, EARL
Evaluation of magnetic fuel treatment for aircraft fuel systems
[DOT/FAA/CT-TN90/54] 10 p1470 N91-18106
LEE, ELIZABETH M.
Conical Euler simulation and active suppression of delta wing rocking motion
[NASA-TM-102683] 02 p0156 N91-10904
Unstructured-grid methods development for unsteady aerodynamic and aeroelastic analyses
[NASA-TM-104143] 24 p3951 N91-32084
LEE, F. C.
Analysis and design of a high power, digitally-controlled spacecraft power system
[NASA-CR-186546] 02 p0188 N91-11053
Space platform power system hardware testbed
[NASA-CR-185839] 18 p2938 N91-26204
LEE, FREDERICK W.
Digital beamforming and pulse compression in an adaptive array radar system
[AD-A232713] 15 p2415 N91-23377
LEE, G. K. F.
Attitude determination and calibration using a recursive maximum likelihood-based adaptive Kalman filter
09 p1290 N91-17088
LEE, GORDON K.
Distributed digital signal processors for multi-body structures
[NASA-CR-187375] 02 p0250 N91-11387
LEE, GORDON K. F.
A fast algorithm for control and estimation using a polynomial state-space structure
14 p2226 N91-22312
LEE, H. M., III
Test and model correlation of the atmospheric emission photometric imager fiberglass pedestal
[NASA-TM-103515] 05 p0678 N91-13766
LEE, H. R.
Cluster calculation of CuO2 in high-Tc superconductors
[AD-A230758] 12 p1991 N91-20959
LEE, H. W. H.
Laser ablation mechanisms and optical surface damage
[DE91-016928] 23 p3879 N91-31642
LEE, H.-J.
METCAN updates for high temperature composite behavior: Simulation/verification
[NASA-TM-103682] 11 p1674 N91-19229
LEE, HEE WOO
Unsteady subsonic flow over elastic and rigid bodies including wake effect 22 p3611 N91-30085
LEE, HEOW-PUEH
Motion planning for manipulators with excessive degrees of freedom 21 p3527 N91-29592
LEE, HO-JUN
METCAN simulation of candidate metal matrix composites for high temperature applications
[NASA-TM-103636] 09 p1301 N91-17143
LEE, HWA-PING
AEOSS design guide for system analysis on Advanced Earth-Orbital Spacecraft Systems
[NASA-TM-100772] 13 p2040 N91-21223
AEOSS runtime manual for system analysis on Advanced Earth-Orbital Spacecraft Systems
[NASA-TM-100773] 13 p2041 N91-21224
LEE, I.
Desorption of Al, Au, Ag using surface plasmon excitation
[DE91-013726] 20 p3339 N91-28493
Desorption of large organic molecules by laser-induced plasmon excitation
[DE91-013415] 20 p3401 N91-28852
LEE, I. Y.
Study of spin-temperature effects using energy-ordered continuum gamma ray spectroscopy technique
[DE91-002854] 06 p0872 N91-14818
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899
LEE, I.-S.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461
LEE, I-HSIU
Fermions in the hypercharge sector of the standard lattice electroweak theory: Global limit
[DE90-009731] 08 p1239 N91-16827
LEE, I-YANG
The GAMMASPHERE
[DE90-016849] 01 p0038 N91-10224
LEE, ILZOO
Friction and wear of TPS fibers: A study of the adhesion and friction of high modulus fibers
[NASA-CR-187666] 05 p0634 N91-13515
LEE, IN YOUNG
Parameterizations of microphysical processes in clouds
[DE90-017820] 02 p0241 N91-11344
Parameterizations of microphysical processes for simulation of regional-scale clouds
[DE91-015554] 21 p3545 N91-29696
LEE, J.
Thin film single crystal growth of a nonlinear optical polymer
[AD-A227692] 08 p1235 N91-16807
Reduced lymphocyte activation in space: Role of cell-substratum interactions 11 p1750 N91-19621
Increased mitogenic response in lymphocytes from chronically centrifuged mice 11 p1752 N91-19634
An assessment of CO2 greenhouse gas mitigation technologies
[DE91-011972] 18 p3007 N91-26605
LEE, J. E.
Dentritic morphology and microsegregation in directionally solidified superalloy, PWA-1480, single crystal: Effect of gravity; center director's discretionary fund report
[NASA-TM-103518] 07 p0982 N91-15391
LEE, J. K.
The role of twinning in brittle fracture of Ti-aluminides
[DE91-005506] 09 p1316 N91-17221
Boundary stability under nonequilibrium conditions
[DE91-009262] 15 p2401 N91-23293
LEE, J. L.
Development and verification of a physical cloud-moisture model for use in general circulation models
[AD-A234751] 18 p3014 N91-26643
LEE, J. W.
Signal parameter algorithms for trend analysis of digital data acquisition systems
[DE91-008171] 13 p2134 N91-21749
High temperature characteristics of Nylon-11 and Nylon-7 piezoelectrics
[AD-A236809] 19 p3160 N91-27468

Ferroelectric polarization switching in nylon 11
[AD-A236985] 19 p3161 N91-27475

LEE, J. Y.
Optimized processing condition for a photocrosslinkable stable nonlinear optical polymer
[AD-A235754] 19 p3138 N91-27342
Design and synthesis of a new class of photocrosslinkable nonlinear optical polymers
[AD-A235852] 19 p3139 N91-27345
Second harmonic properties of aromatic Schiff's bases functionalized in the side chains of polymethylmethacrylate
[AD-A235857] 19 p3139 N91-27346
Optical characterization and patterning of nonlinear optical polymers with photocrosslinking groups
[AD-A235861] 19 p3140 N91-27349
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A235962] 19 p3140 N91-27352
Steady state and transient photoconductivity of thin film polydiacetylene single crystals
[AD-A235854] 19 p3252 N91-27990
Photocross-linked second order nonlinear optical polymers
[AD-A235855] 20 p3321 N91-28385
Ruddlesden-Popper phases A(n+1)M(n)O(3n+1): Structures and properties
[DE91-011748] 21 p3591 N91-29973

LEE, JA H.
Laser Doppler velocimetry for continuous flow solar-pumped iodine laser system
[NASA-TM-104029] 11 p1709 N91-19415

LEE, JAE KOO
Theoretical studies of nonlinear sheath dynamics
20 p3409 N91-28896

LEE, JAIMIN
Detonation shock dynamics of composite energetic materials 22 p3672 N91-30447

LEE, JEH WON
Dynamic analysis and control of lightweight manipulators with flexible parallel link mechanisms
[NASA-CR-187347] 02 p0217 N91-11216

LEE, JIM P.
The 2-D acousto-optic signal processors for simultaneous spectrum analysis and direction finding
[AD-A232148] 15 p2414 N91-23367

LEE, JOHN F.
A generic multi-flex-body dynamics, controls simulation tool for space station 14 p2228 N91-22321

LEE, JONG-GYU
Synthesis, transport, and microstructural properties of Nd(1.85)Ce(0.15)CuO(4-delta)
[AD-A225049] 03 p0359 N91-12011

LEE, JONG-KIL
Instantaneous kinematics, motion planning and mechanical efficiency of a quadrupedal walking machine
02 p0218 N91-11218

LEE, JONG-WON
An analytical solution for the elastoplastic response of a continuous fiber composite under uniaxial loading
01 p0051 N91-10305
An analytical prediction of matrix cracking in fibrous composite laminates 23 p3805 N91-31225

LEE, JONGGIL
The pulse-pair algorithm as a robust estimator of turbulent weather spectral parameters using airborne pulse Doppler radar
[NASA-CR-4382] 19 p3149 N91-27402

LEE, JOOSIK
High-resolution interferometric measurements of residual strains in composites 20 p3307 N91-28303

LEE, JU-JANG
A composite discrete/continuous control of robot manipulators
[AD-A236642] 19 p3175 N91-27555

LEE, JUI-TINE
Life cycle management automation programmer's manual
[AD-A232247] 15 p2487 N91-23769

LEE, JUNG GEUN
Electron-yield EXAFS studies of Tb/FeCo and Tb/Fe multilayers
[DE91-014786] 22 p3760 N91-30960

LEE, K.
Prediction and control of chaotic processes using nonlinear adaptive networks
[DE90-016505] 01 p0118 N91-10697
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
Air combat environment test and evaluation facility and the development of the offensive sensors laboratory
[DE91-011398] 20 p3286 N91-28173

LEE, K. D.
Grid generation strategies for turbomachinery configurations 13 p2016 N91-21091

LEE, K. L.
Compendium of material test results on HY-100 and pseudo HY-100 metals in support of US Navy programs
[DE91-013134] 21 p3478 N91-29292

LEE, KWANG-RYEOL
Measurements of To temperatures of supersaturated Si-As alloys
[DE91-006774] 10 p1500 N91-18254

LEE, KYUNG-TAE
Controlled vortical flow on delta wings through unsteady leading edge blowing 02 p0178 N91-11011

LEE, L. A.
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
Using CNLS-NET (connectionist normalized local spline-network) to predict the Mackey-Glass chaotic time series
[DE91-007478] 19 p3257 N91-28016

LEE, LLOYD L.
Advanced working fluids: Thermodynamic properties
[PB91-136465] 15 p2520 N91-23964

LEE, LONG C.
Photoabsorption and photodissociation of molecules important in the interstellar medium
[NASA-CR-187944] 09 p1448 N91-17991

LEE, M.
Molecular engineering of liquid crystal polymers by living polymerization. Part 15: Molecular design of reentrant nematic mesophases in binary copolymers of omega-(4-cyano-4'-biphenyl)oxy)alkyl vinyl ethers
[AD-A235789] 19 p3251 N91-27987
Engineering of liquid crystalline polymers by living polymerization. Part 12: Synthesis and living cationic polymerization of 4-(S(-)-2-methyl-1-butoxy) 4'-(omega-oxyalkyl-1-vinyl ether)-alpha-methylstilbene with octyl and hexyl alkyl groups
[AD-A235790] 19 p3252 N91-27988
Molecular engineering of liquid crystal polymers by living polymerization. Part 13: Synthesis and living cationic polymerization of 4-((S(-)-2-methyl-1-butyl)oxycarbonyl) 4'-(omega-oxyalkyl-1-vinyl ether)biphenyl with undecanyl and hexyl alkyl groups
[AD-A235791] 19 p3252 N91-27989
Molecular engineering of liquid crystal polymers by living polymerization. Part 11: Synthesis and characterization of poly(11-((4-cyano 4'trans-a-cyanostilbene)oxy)undecanyl vinyl ether)
[AD-A235963] 19 p3253 N91-27995

LEE, M. C.
A theoretical model for the temporal evolution of HF-enhanced plasma lines 10 p1548 N91-18518
Planning for coordinated space and ground-based ionospheric modification experiments
10 p1552 N91-18535
Observations of Enhanced Radar Backscatter (ERB) from Millstone Hill
[NASA-CR-188877] 24 p3988 N91-32280

LEE, M. J.
Plastic analysis of a circular rod subjected to sinusoidal thermal cycling
[DE91-011845] 20 p3359 N91-28609

LEE, MARK C.
Charge of the containerless experimentation in microgravity 13 p2059 N91-21332
Method and apparatus for producing microshells
[NASA-CASE-NPO-16635-1-CU]
24 p3981 N91-32240

LEE, MARK D.
Automatic information processing and high-performance skills: Principles of consistency, part-task training, context, retention, and complex task performance
[AD-A235944] 19 p3213 N91-27761

LEE, MARY C.
Aerobraking for capture into Martian orbit
09 p1292 N91-17102

LEE, MICHAEL E.
Next-generation fire extinguishing agent. Phase 2: Laboratory tests and scoping trials
[AD-A227347] 06 p0816 N91-14510
Next-generation fire extinguishing agent, phase 3
[AD-A230619] 12 p1880 N91-20333

LEE, MING-TZER
Analysis of significant weather on meso-alpha scales using conventional and remotely-sensed data: Further studies
[AD-A227588] 07 p1030 N91-15652

LEE, MYONGSOO
Molecular engineering of liquid crystalline polymers by living polymerization. 10: Influence of molecular weight on the phase transitions of poly(omega-((4-cyano-4'-biphenyl)oxy)alkyl vinyl ether)s with nonyl and decanyl alkyl groups
[AD-A229768] 12 p1874 N91-20301
Molecular engineering of liquid crystalline polymers by living polymerization. 9: Living cationic polymerization of 5-((4-cyano 4'-biphenyl)oxy)pentyl vinyl ethers and 7-((4-cyano 4'-biphenyl)oxy)heptyl vinyl ether and the mesomorphic behavior of the resulting polymers
[AD-A229769] 12 p1874 N91-20302
Molecular engineering of liquid crystalline polymers by living polymerization. 8: Influence of molecular weight on the phase behavior of poly(omega-((4-cyano 4'biphenyl)oxy)alkyl vinyl ether)s with ethyl, propyl, and butyl alkyl groups
[AD-A229770] 12 p1875 N91-20303
Molecular engineering of liquid crystalline polymers by living polymerization. 7: Influence of copolymer composition on the phase behavior of poly(11-((4-cyano-4'biphenyl)oxy)undecanyl vinyl ether-co-2-((4-cyano-4'-biphenyl)oxy)ethyl vinyl ether)
[AD-A229771] 12 p1875 N91-20304
Molecular engineering of liquid crystalline polymers by living polymerization. 6: Influence of molecular weight on the phase transitions of a 1/1 copolymer of 2-((4-cyano 4'-biphenyl)oxy)ethyl vinyl ether and 8-((4-cyano 4'-biphenyl)oxy)octyl vinyl ether
[AD-A229772] 12 p1875 N91-20305
Molecular engineering of liquid crystalline polymers by living polymerization. 5: Synthesis and mesomorphic behavior of poly(2-(4-cyano-4'-biphenyl)oxy)ethyl vinyl ether-co-8-(4-co-4'-biphenyl)oxy)octyl vinyl ether)
[AD-A229773] 12 p1875 N91-20306
Molecular engineering of liquid crystal polymers by living polymerization. Part 14: Synthesis and characterization of binary copolymers of omega-4-cyano-4'-biphenyl)oxyalkyl vinyl ethers containing undecanyl and hexyl, pentyl, and propyl, and undecanyl and propyl pairs of alkyl groups
[AD-A235909] 19 p3252 N91-27992

LEE, MYUNG GYOON
Optical and near-IR study of LMC HII region N11AB
05 p0745 N91-14155
HII regions in dwarf irregular galaxies of the local group 05 p0745 N91-14156
H II regions and young star clusters in the magellanic clouds 15 p2527 N91-24004

LEE, OTTO W. K.
Upper stage in-flight retargeting to enhance geosynchronous satellite operations
09 p1293 N91-17103

LEE, P.
Thermophysical property measurements in electromagnetic levitators 13 p2061 N91-21344
Wideband waveguide polarizer development for SETI
24 p3987 N91-32277

LEE, PETER C.
Acceleration insensitive resonators
[AD-A235400] 18 p2980 N91-26458

LEE, R.
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252

LEE, R. C.
Time-dependent multimode simulation of gyrotron oscillators
[AD-A229861] 11 p1709 N91-19413

LEE, R. E.
Shock wave/boundary layer interaction control in a generic hypersonic inlet 16 p2578 N91-24290
Electrostatic discharge effects on EBW detonators
[DE91-013250] 20 p3334 N91-28467

LEE, R. L.
Numerical modeling of turbulent dispersion around structures using a particle-in-cell method
[DE91-009757] 15 p2424 N91-23426
Numerical modeling of turbulent dispersion around structures using a particle-in-cell method
[DE91-012035] 21 p3537 N91-29652

LEE, R. Q.
A seven patch hexagonal CP subarray with a CPW/stripline feed network
[NASA-TM-103802] 12 p1892 N91-20406
Ka-band MMIC microstrip array for high rate communications
[NASA-TM-104500] 19 p3154 N91-27437

LEE, R. S.
Electrostatic discharge effects on EBW detonators
[DE91-013250] 20 p3334 N91-28467

LEE, R. W.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
Absorption measurements of radiatively heated low-Z materials
[DE91-011182] 17 p2867 N91-25861

LEE, REI-CHI
Query processing with database semantics
22 p3766 N91-30997

LEE, RICHARD Q.
Coplanar waveguide feeds for phased array antennas
[NASA-TM-104467] 19 p3161 N91-27477
LEE, RICHARD S.
International Union of Theoretical and Applied Mechanics (IUTAM) Symposium on Aerothermodynamics in Combustors
[AD-A237943] 21 p3514 N91-29516
LEE, ROBERT B., III
Long-term solar irradiance variability: 1984-1989 observations 03 p0447 N91-12497
Solar constant data from Earth radiation budget measurements 03 p0447 N91-12498
LEE, ROSCOE
Payload accommodations. Satellite servicing support 09 p1282 N91-17047
LEE, RUSSELL
Advanced materials: Information and analysis needs
[DE91-001017] 04 p0496 N91-12752
LEE, S.
Effect of fortifier on compression-after-impact strength of carbon fabric reinforced epoxy
[NAE-LTR-ST-1736] 21 p3469 N91-29237
LEE, S. DANIEL
A framework for building real-time expert systems 12 p1943 N91-20688
ART-Ada: An Ada-based expert system tool 12 p1945 N91-20698
ART-Ada: An Ada-based expert system tool
[NASA-CR-188930] 24 p4087 N91-32837
Ada issues in implementing ART-Ada
[NASA-CR-188941] 24 p4087 N91-32838
Toward the efficient implementation of expert systems in Ada
[NASA-CR-188942] 24 p4088 N91-32839
LEE, S. L.
Neutron diffraction by the flux lattice in high-Tc superconductors
[DE91-017866] 24 p4009 N91-32418
Neutron scattering from the flux lattice in high temperature superconductors
[DE91-017947] 24 p4009 N91-32419
LEE, S. W.
Recent studies of the optical properties of dust and cloud particles in the Mars atmosphere and the interannual frequency of global dust storms 18 p3085 N91-27060
The effects of atmospheric dust on observations of Martian surface albedo 18 p3088 N91-27072
LEE, SEUNG-HO
Progress in computing nozzle/plume flow fields 02 p0149 N91-10872
LEE, SEUNGSOO
Acceleration of iterative algorithms for Euler and Navier-Stokes equations 08 p1145 N91-16301
Distributed Minimal Residual (DMR) method for acceleration of iterative algorithms 13 p2014 N91-21077
LEE, SHENG YEN
Unique applications of fluoroepoxy materials 14 p2358 N91-23041
LEE, SHUNG-WU
Designs for the ATDRSS tri-band reflector antenna
[NASA-TM-103754] 12 p1853 N91-20184
LEE, STEVE
Hubble Space Telescope observations of Mars 11 p1821 N91-20003
LEE, SUNG M.
Scattering measurements on natural and model trees 08 p1216 N91-16691
LEE, T.
Ionospheric refraction effects on orbit determination using the orbit determination error analysis system 09 p1288 N91-17082
A high power cross-field amplifier at X-Band
[DE91-013277] 21 p3503 N91-29441
LEE, T. D.
Theoretical high energy physics
[DE90-012527] 21 p3579 N91-29904
Theoretical high energy physics
[DE91-013639] 21 p3579 N91-29905
LEE, T. M.
Bayesian analysis of constrained parameter and truncated data problems
[AD-A231080] 13 p2144 N91-21810
LEE, T. R.
Isotropic exchange in the platinum-catalyzed reduction of olefins in protic solvents
[AD-A234828] 18 p2939 N91-26208
The reduction by deuterium on platinum black of exo-2-norbornyl and endo-2-norbornyl to norbornane-2-d occurs with predominant retention of configuration
[AD-A235057] 18 p2950 N91-26277
Heterogeneous catalysis on platinum and self-assembled monolayers on metal and metal oxide surfaces
[AD-A235055] 18 p2954 N91-26302
Reduction of C bonds proceeds with retention of configuration: Stereochemical investigation of the heterogeneous reduction by dideuterium of (Homohypostrophene) Neopentyl (2-Norbornyl) Platinum (II) complexes on platinum black
[AD-A235515] 19 p3116 N91-27218
LEE, T. S. H.
Photodisintegration of the deuteron at medium and high energies
[DE91-014458] 20 p3403 N91-28865
LEE, T.-W.
Laser induced spark ignition of methane-oxygen mixtures
[NASA-CR-188689] 22 p3649 N91-30309
LEE, TAEWOO
Structure of combusting monopropellant sprays at high-pressures 03 p0336 N91-11883
LEE, TERENCE J.
Radiatively-cooled telescopes for infrared space astronomy 13 p2180 N91-22048
LEE, TIMOTHY HSICHYIN
Investigation of the onset and development of vortex streets in steady and unsteady flows 14 p2263 N91-22518
LEE, TIMOTHY J.
Comparison of the quadratic configuration interaction and coupled cluster approaches to electron correlation including the effect of triple excitations
[NASA-CR-187855] 08 p1221 N91-16727
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3
[NASA-TM-103391] 08 p1221 N91-16728
LEE, V. Y.
In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958
LEE, W. C.
Effects of colocation and non-colocation of sensors and actuators on flexible structures
[AD-A238457] 21 p3569 N91-29844
LEE, W. W.
The 3-D gyrokinetic particle simulation on internal kink modes 10 p1599 N91-18821
Gyrokinetic particle simulation of ion temperature gradient drift instabilities 10 p1600 N91-18824
Internal kink mode simulation by 3-D gyrokinetic code 20 p3412 N91-28916
LEE, W. Y.
Optimal trajectories for an aerospace plane. Part 2: Data, tables, and graphs
[NASA-CR-187848] 08 p1095 N91-16011
Optimal trajectories for an aerospace plane. Part 1: Formulation, results, and analysis
[NASA-CR-187868] 08 p1095 N91-16013
LEE, WILLIAM E.
Crystallization and characterization of Y2O3-SiO2 glasses 23 p3930 N91-31962
Microstructural changes in Beta-silicon nitride grains upon crystallizing the grain-boundary glass 23 p3930 N91-31963
LEE, WONCHOON
Magnetic and thermal properties of high Tc super conductors
[DE91-000743] 07 p1071 N91-15891
LEE, WOO Y.
Grain structure and growth of dispersed phase BN-AlN coatings grown via chemical vapor deposition
[DE91-006283] 09 p1319 N91-17242
LEE, WOODROW W.
Launching projectiles with hydrogen gas generated from titanium-water reactions
[AD-D014653] 11 p1664 N91-19171
LEE, Y. C.
Applications of neural networks to process control and modeling
[DE91-007389] 15 p2489 N91-23784
Information theoretic derivation of network architecture and learning algorithms
[DE91-007552] 19 p3217 N91-27782
Connectionist models for intelligent computation
[AD-A235514] 19 p3234 N91-27879
Using CNLS-NET (connectionist normalized local spline-network) to predict the Mackey-Glass chaotic time series
[DE91-007478] 19 p3257 N91-28016
Solitons and chaos in laser-plasma interaction 20 p3409 N91-28898
LEE, Y. G. L.
Fourier transform infrared and Raman spectroscopic characterization of homogeneous solution concentration gradients near a container wall at different temperatures
[NASA-CR-188541] 17 p2756 N91-25254
LEE, Y. H.
Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377
LEE, Y. T.
Vacuum ultraviolet spectroscopy and dynamics
[DE90-011601] 09 p1306 N91-17165
Molecular beam studies of reaction dynamics
[DE90-011600] 21 p3472 N91-29256
LEE, YEONG JOO
Problems associated with dynamic fracture under high strain rate loading 14 p2276 N91-22586
LEE, YIN-NAN
The solubility and dissociation kinetics of hydroxymethyl hydroperoxide in aqueous solution
[DE91-013336] 20 p3309 N91-28318
LEE, YOONSANG
Aerodynamic interaction of counter rotating propellers 02 p0157 N91-10910
LEE, YOUNG H.
Network monitoring and analysis expert system 14 p2212 N91-22218
LEE, YOUNG JAE
System modeling and identification of flexible structures 15 p2443 N91-23531
LEE, YOUNGZE
The mechanism of scuffing in lubricated sliding 09 p1345 N91-17392
LEE, YUAN T.
Molecular beam studies of reaction dynamics
[DE91-014866] 21 p3573 N91-29868
LEECH, K. J.
The missing UV absorption lines of NGC 4151 09 p1444 N91-17962
LEEPER, R. J.
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
LEEPER, S. A.
Production of organic chemicals via bioconversion: A review of the potential
[DE91-015524] 23 p3805 N91-31223
LEES, DAVID E.
Multiple aperture imager component development
[AD-A233413] 16 p2630 N91-24561
Development of optical subapertures
[AD-A237759] 21 p3582 N91-29924
LEES, J. F.
Dissociation and ionization of molecular gas in the spiral arms of M51 05 p0755 N91-14205
(Tertiary-butyl) cyclopentadienylindium(I), In(C5H4CMe3)-synthesis, characterization, and x ray structural study
[AD-A235576] 19 p3251 N91-27982
LEES, M. I.
Extension of and improvements to the ERDC low frequency magnetic direction finding system 24 p4065 N91-32708
Comparison of lightning location data and polarisation radar observations of clouds 24 p4065 N91-32710
LEES, S. R. B.
A leading-edge control surface
[BU-508] 14 p2188 N91-22087
LEFAS, C. C.
The use of downlinked measurements to track civil aircraft 02 p0177 N91-11004
LEFEBVRE, C.
Distance measures for speech recognition
[NAE-AN-57] 21 p3495 N91-29394
LEFEBVRE, J. M.
Plastic deformation processes in relation to molecular structure
[ETN-91-99916] 23 p3807 N91-31233
LEFEBVRE, JEAN-MARC
Contribution to the specification and implementation of complex robot tasks
[ETN-90-98209] 06 p0833 N91-14604
LEFEBVRE, MICHEL
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
LEFEBVRE, PAUL
Transient flowmeter calibration facility
[AD-D014937] 21 p3516 N91-29523
LEFEUVRE, F.
Experimental constraints in the characterization of a turbulent field from several satellites 01 p0070 N91-10425
LEFEUVRE, FRANCOIS
Wave-particle interactions associated with VLF transmitters 10 p1552 N91-18536

LEFEVRE, PIERRE K.
Design and fabrication of an implantable cortical semiconductor integrated circuit electrode array
[AD-A230676] 12 p1893 N91-20412
LEFLOCH, C.
Nondestructive inspection for carbon-carbon with adapted coating for oxidation 03 p0329 N91-11838
Nondestructive inspection for carbon-carbon with adapted coating for oxidation
[REPT-911-430-106] 15 p2394 N91-23252
Nondestructive measurement of thickness and density of composite materials by Compton backscattering
[REPT-911-430-112] 15 p2394 N91-23255
LEFORT, L.
The reference systems for tactile perception and for the orientation with respect to body
11 p1761 N91-19691
SCI3: A knowledge based system for on-board assistance with the interpretation of infra-red images
17 p2731 N91-25123
LEFTWICH, PRESTON W., JR.
Verification of severe local storm forecasts issued by the National Severe Storms Forecast Center: 1989
[PB91-129056] 12 p1924 N91-20588
LEGALL, J. Y.
Satellite and aeronautical technologies serving the management of living marine resources
15 p2455 N91-23606
LEGASSE, R. R.
Phenomena affecting morphology of microporous poly(acrylonitrile) prepared via phase separation from solution
[DE91-004501] 11 p1687 N91-19297
LEGER, A.
Detection of loss of consciousness in flight by Doppler method 08 p1193 N91-16555
LEGER, ALAIN
Influence of temperature on the infrared spectrum of the coronene molecule 06 p0893 N91-14932
Angular motion of a PAH molecule in interstellar environment 06 p0894 N91-14938
PAHs molecules and heating of the interstellar gas
06 p0894 N91-14939
LEGER, L.
Concurrent engineering 20 p3299 N91-28247
LEGG, J. IVAN
Theoretical atomic physics for fusion
[DE90-017280] 01 p0120 N91-10710
LEGG, MARK R.
Study to determine seismic response of sonic boom-coupled Rayleigh waves
[AD-A225105] 03 p0390 N91-12173
Seismic response to sonic boom-coupled Rayleigh waves
[AD-A225104] 04 p0546 N91-13029
LEGGE, G. J. F.
Scanning Transmission Ion Microscopy (STIM): A new technique for density mapping of microstructures
[DE91-011917] 20 p3396 N91-28825
LEGGETT, DAVID B.
MIL-STD-1797 is not a cookbook
15 p2369 N91-23111
LEGGETT, NICKOLAUS
A hydroponic design for microgravity and gravity installations 14 p2204 N91-22173
Natural vacuum electronics 14 p2205 N91-22177
LEGRAND, JAMES E.
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193
LEGRAND, SUE
A report on NASA software engineering and Ada training requirements
[NASA-CR-187390] 04 p0557 N91-13089
Ada/POSIX binding: A focused Ada investigation
[NASA-CR-187398] 04 p0558 N91-13095
Security for safety critical space borne systems
[NASA-CR-187656] 05 p0701 N91-13906
Trip reports: ISO working group 9, Ada, uniformity of Ada applications rapporteur group, and Ada Europe
[NASA-CR-188588] 17 p2831 N91-25638
LEGREE, PETER J.
Test analysis program evaluation: Item statistics as feedback to test developers
[AD-A229851] 11 p1771 N91-19713
LEGROS, J. C.
Influence of a surface tension minimum on the Marangoni effect (TEXUS 8) ESA
23 p3825 N91-31338
Influence of a surface tension minimum on the Marangoni effect (TEXUS 9) ESA
23 p3826 N91-31339
Influence of a surface tension minimum on the Marangoni effect (TEXUS 19) ESA
23 p3826 N91-31340
LEHMAN, DAVID H.
Telescope technology for space-borne submillimeter astronomy 13 p2181 N91-22049
LEHMAN, T. H.
The statistical properties of electromagnetic fields with application to radiation and scattering
[DE91-007467] 15 p2411 N91-23351
LEHMANN, B.
Displacement threshold energy in GaAs determined by electrical and optical investigations
24 p3997 N91-32337
LEHMANN, D.
Materials data bases for fatigue
10 p1613 N91-18899
LEHMANN, EDWARD J.
Directory of Federal laboratory and technology resources: A guide to services, facilities, and expertise
[ISBN-0-934213-21-6] 16 p2705 N91-24971
LEHMANN, GERT
Results of the HHC wind tunnel tests, 1986 - 1988
[DLR-FB-90-42] 13 p2026 N91-21152
LEHMANN, W.
Photophysics and chemistry of ultra-fast ZnO and CdS phosphors
[DE91-013106] 23 p3931 N91-31966
LEHMBERG, R. H.
Hydrodynamic target response to an induced spatial incoherence-smoothed laser beam
[DE91-015757] 23 p3878 N91-31638
LEHMER, R.
New method for edge plasma control by RF ponderomotive force
[DE91-744823] 11 p1805 N91-19911
LEHNERT, B.
Complementary aspects on matter-antimatter boundary layers
[TRITA-EPP-90-04] 02 p0267 N91-11496
LEHNERT, BRUCE
Dust: A major environmental hazard on the Earth's moon
[DE91-001803] 07 p1083 N91-15959
LEHOCZKY, SANDOR L.
Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] 18 p3071 N91-26968
LEHR, STEVEN W.
A study of localized momentum forcing in the thermospheres
[AD-A231736] 14 p2286 N91-22639
LEHTO, ARTO OLAVI
Millimeter-wave Schottky mixer receivers for applications in antenna measurements and radio astronomy
[REPT-S-185] 03 p0361 N91-12025
LEHTO, WAYNE K.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
LEI, CHARLES
Structure and properties of high symmetry composites
[AD-A226479] 04 p0499 N91-12769
LEI, FAN
Imaging and background in low-energy gamma ray astronomy 15 p2527 N91-24005
LEI, JIH-FEN
The apparent strain stability and repeatability of a BCL3 resistance strain gage
[NASA-CR-187056] 11 p1707 N91-19403
LEIB, KENNETH G.
System and method for automatically fabricating multiple memory holographic elements
[PATENT-1-253-724] 23 p3872 N91-31600
LEIB, S. J.
The effect of small streamwise velocity distortion on the boundary layer flow over a thin flat plate with application to boundary layer stability theory
[NASA-TM-103668] 11 p1702 N91-19372
LEIB, TERRY K.
Biological synthesis of substituted o-aminophenols
[AD-A234910] 18 p3021 N91-26678
LEICESTER, MARK
Studies of plasma irregularities and convection in the polar ionosphere using HILAT, SABRE and EISCAT
[AD-A232983] 16 p2657 N91-24702
LEICH, MARTIN
L-band antenna array with integrated phase shifters
[ESA-TT-1215] 13 p2071 N91-21405
LEIDINGER, BERNHARD J. G.
Evaporation process and 3 phase flow in a water evaporator assembly
[MBB-UO-0108-90-PUB] 08 p1104 N91-16060
LEIFKER, DANIEL B.
Representing functions/procedures and processes/structures for analysis of effects of failures on functions and operations 14 p2314 N91-22780
LEIGH, LINDA S.
Biosphere 2 test module experimentation program
05 p0691 N91-13845
LEIGH, RICHARD PETER
Ionospheric corrections for SHF satellite radar altimetry 08 p1167 N91-16423
LEIGHTON, F. T.
Critical problems in very large scale computer systems
[AD-A229328] 22 p3722 N91-30714
LEIGHTON, J.
An overview of UK C130 observations from the FIRE marine stratocumulus IFO 01 p0089 N91-10520
LEIGHTY, BRADLEY D.
A synchronous strobed laser light sheet for rotor flow visualization
[NASA-TM-4266] 14 p2267 N91-22540
Synchronous strobe apparatus for flow visualization
[NASA-CASE-LAR-14556-1] 17 p2781 N91-25392
LEIJTEN, J. C. M.
Fitting of photogrammetry and field completion
[ETN-91-98144] 06 p0840 N91-14640
LEIKIND, B.
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
LEINER, BARRY M.
Smart instruments and the national collaboratory
[NASA-CR-188902] 24 p4021 N91-32472
Collaboration technology and space science
[NASA-CR-188861] 24 p4089 N91-32846
LEINGANG, J. L.
Impact of propulsive advancements on capabilities of reusable Earth-to-orbit ships 16 p2569 N91-24236
LEINSON, L. B.
Neutrino scattering by nuclei in imperfect media
06 p0923 N91-15104
LEIPOLD, MARTIN H.
JPL initiative on historically black colleges and universities 19 p3271 N91-28096
LEIS, HANS O.
Materials selection and structures for plasma accelerators in electrothermal guns
[MBB-Z-0303-90-PUB] 04 p0584 N91-13259
LEISAWITZ, D.
A model for the infrared emission from an OB star cluster environment 05 p0742 N91-14139
LEISING, M. D.
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
LEISTE, H.
Floating-zone growth of a silicon single crystal (TEXUS 7) 23 p3834 N91-31384
LEITCH, M. J.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
LEITE, ROSANGELA M. G.
SCD1 thermal design and test result analysis
11 p1657 N91-19130
LEITENETO, JOAQUIM PAULINO
Implementation of the MAGINT-MAGGRAF code in the microVAX-3600 system
[INPE-5042-PRE/1575] 05 p0700 N91-13898
LEITH, D.
Cyclone performance and optimization
[DE91-008440] 12 p1926 N91-20597
LEITH, EMMETT N.
Investigation of superresolution by incoherent to coherent conversion
[AD-A238111] 21 p3519 N91-29544
LEITINGER, R.
International reference ionosphere 1990
[NASA-TM-105055] 22 p3705 N91-30621
LEITNER, ARNOLD
A test of the IAEA code of practice for absorbed dose determination in photon and electron beams
[OEFZS-4565] 18 p3062 N91-26913
LEJEUNE, D.
Problems posed by the adaptation of physiological protective equipment for female combat pilots
02 p0246 N91-11372
Morphological and functional adaptation of personal equipment designed for female personnel
02 p0247 N91-11374
Detection of loss of consciousness in flight by Doppler method 08 p1193 N91-16555
LEKEY, RODRICK WILLIAM
ACMS: A prototype expert database for air combat maneuvering
[AD-A225774] 04 p0478 N91-12669

LELEVIER, A.
Real time analysis systems of the physical parameters of the environment and the state of a human organism for a long term exposure at different gas mixtures and pressure up to 100 bar 15 p2449 N91-23568
LELIWA-KOPYSTYNSKI, J.
Compaction of the icy/rocky granular mixtures and the physics of the icy satellites 10 p1620 N91-18938
LEMAIRE, J.
Detection of nonlinear features in plasma and field measurements by PROGNOZ-8 06 p0918 N91-15063
A method for solving Poisson's equation in geophysical and astrophysical plasma [AERONOMICA-ACTA-A-357-1990] 15 p2513 N91-23925
LEMAITRE, J.
Optimization of interface layers in the design of ceramic fiber reinforced metal matrix composites [NASA-CR-185307] 06 p0801 N91-14422
LEMASCON, A.
Impact behavior of composite materials: Exploratory research [CETIM-101130] 05 p0632 N91-13504
LEMASURIER, PHILIP
Helicopter far-field acoustic levels as a function of reduced main-rotor advancing blade-tip Mach number [NASA-TM-102684] 01 p0118 N91-10699
LEMAY, J. D.
Organic aerogels: A new type of ultrastructured polymer [DE91-008500] 13 p2056 N91-21312
LEMAY, MOIRA
Operational testing of a figure of merit for overall task performance 04 p0597 N91-13328
LEMBKE, J. R.
Economic analysis of robotic torque measurement system [DE91-016480] 23 p3880 N91-31653
LEMBO, L.
Nonlinear optics technology. Volume 1: Solid state laser technology, phase 3 [AD-A233533] 16 p2690 N91-24891
Nonlinear optics technology. Volume 2: Phase conjugated optical communication link, phase 3 [AD-A233534] 17 p2863 N91-25835
LEMEGALVAO, FRANCISCO
Requirements and trade-off studies in satellite mechanical architecture [INPE-5186-PRE/1654] 13 p2040 N91-21219
LEMELEV, M. M.
Development, functions of Kvant-2 supplementary equipment module 12 p1848 N91-20155
LEMENAGER, J. M.
Reliability of microwave bipolar silicon transistors 24 p3992 N91-32305
LEMESHCHENKO, N. A.
Psychological assessment of horizon indicators in planes 10 p1561 N91-18582
LEMKE, D.
Cryo-calibration facility for ISOPHOT 07 p0957 N91-15264
LEMKE, GARY
PFERD Mission: Pluto flyby exploration/research design 08 p1101 N91-16046
LEMKE, R. W.
Numerical simulation of a split cavity oscillator and rf conversion [DE91-016501] 23 p3860 N91-31523
LEMMIN, ULRICH
Study of seasonal variation of mixing phenomena in the hypolimnion of Lake Geneva (Switzerland) 12 p1898 N91-20438
Horizontal turbulent mixing dynamics on large-scale and fine-scale in Lake Geneva 12 p1898 N91-20439
LEMMON, J.
Codeless GPS Applications to Multi-Path: CGAMP 03 p0352 N91-11967
LEMMON, J. J.
Wideband HF noise/interference modeling, part 1. First-order statistics. Technical memorandum series [PB91-208454] 24 p3988 N91-32281
LEMOINE, MICHEL
Formalizing developments: From theory to practice 04 p0485 N91-12697
LEMONIS, GEORG
Fast response gust measurement device 14 p2289 N91-22659
LEMONNIER, MARC
Examination of the removal of a high module wire placed on a deformable mandrel [REPT-911-430-116] 16 p2589 N91-24348
LEMPEREUR, C.
Application of an acquisition image processing system to the quantitative analysis of flows [AAAF-NT-89-27] 23 p3913 N91-31851
LEMPICKI, A.
Scintillation materials for medical applications [DE91-011022] 17 p2823 N91-25598
LEN, L. K.
Diffusion fields in a toroidal conducting shell of circular cross section [AD-A228021] 08 p1127 N91-16197
LENAHAN, P. M.
Electron spin resonance and radiation effects in MOS devices [AD-A228651] 09 p1410 N91-17760
LENARD, R.
The Liquid Annular Reactor System (LARS) propulsion [DE91-010972] 17 p2863 N91-25832
LENARD, ROGER
The Liquid Annular Reactor System (LARS) propulsion 14 p2199 N91-22145
LENARZ, W. H.
Nearshore physical oceanography off the Central California coast during May-June, 1989: A summary of CTD data from juvenile rockfish surveys [PB91-191817] 22 p3712 N91-30660
LENCIONI, DENNIS
Design and evaluation of thrust vectored nozzles using a multicomponent thrust stand [NASA-CR-180474] 02 p0187 N91-11050
LENG, CHUN-WU ROGER
Design and performance evaluation of signature files for text retrieval systems 20 p3439 N91-29085
LENG, GERARD
Stochastic dynamics and bifurcation behavior of nonlinear nonconservative systems in the presence of noise [AD-A228923] 09 p1392 N91-17662
LENG, GERARD SIEW BING
Robust bifurcation behavior in the presence of external random excitation 20 p3286 N91-28171
LENG, J. M.
Photoexcitation spectroscopy of pernigraniline [AD-A233841] 18 p2945 N91-26250
Photoinduced absorption and erasable optical information storage in polyanilines [AD-A234108] 18 p3076 N91-27002
LENG, X.
Analysis of rolling contact spall life in 440 C steel bearing rims [NASA-CR-184101] 13 p2094 N91-21526
LENGSFIELD, BYRON H., III
Theoretical studies of High Energy Density Matter (HEDM) molecules [DE90-014831] 01 p0119 N91-10706
Theoretical study of the radiative lifetime for the spin-forbidden transition a3 (sigma u +) to X1 (sigma g +) in He2 [AD-A230956] 13 p2151 N91-21854
LENHART, SUZANNE
A two-sided game for competitive systems with non-local interactions [DE90-008490] 07 p1056 N91-15803
LENHERT, P. G.
A user's manual for fiber diffraction: The automated Picker and Huber diffractometers [AD-A231802] 14 p2249 N91-22441
Tensile modulus by x ray diffraction: Instrument and method [AD-A231991] 14 p2277 N91-22593
LENIO, JAMES A.
Attitude-dependent launch window analysis for the Hubble Space Telescope Mission 09 p1291 N91-17096
LENLING, W. J.
A comparison of techniques for the metallographic preparation of thermal sprayed samples [DE91-014704] 23 p3813 N91-31272
Process for producing plasma sprayed carbide-based coatings with minimal decarburization and near theoretical density [DE91-012016] 23 p3817 N91-31292
Beneficial effects of austemper post-treatment on tungsten carbide based wear coatings [DE91-013260] 23 p3817 N91-31293
LENNON, C.
Lightning mapping system 24 p4066 N91-32713
LENSCHOW, DONALD H.
A study of marine stratocumulus using lidar and other FIRE aircraft observations 01 p0087 N91-10511
Air motion measurements: Past and future 14 p2288 N91-22653
LENSKI, H.
TEMPUS: A facility for containerless electromagnetic processing onboard spacelab 13 p2062 N91-21349
LENSKI, JOSEPH W., JR.
Advanced Rotorcraft Transmission (ART) program-Boeing helicopters status report [NASA-TM-104474] 17 p2785 N91-25412
LENSTRA, J. K.
Mutiprocessor scheduling with communication delays [CWI-BS-R9018] 10 p1578 N91-18684
LENSTRA, JAN KAREL
Combinatorics in operations research [CWI-BS-R9024] 17 p2850 N91-25752
LENT, HANS-MARTIN
A model for the sound generation due to compressible vortex-body interaction [MPIS-MITT-96] 02 p0266 N91-11491
LENTFERT, P. J. A.
Distributed incremental maximum finding in hierarchically divided graphs [RUU-CS-90-30] 23 p3910 N91-31828
LENTING, J. H. J.
Quality of expert systems: Methods and techniques [FEL-89-A267] 05 p0674 N91-13747
Quality of expert systems: Algorithms for integrity control [FEL-89-A312] 05 p0674 N91-13748
LENTINI, D.
Computational modelling of dump combustors flowfield 13 p2017 N91-21096
LENTSCH, STEVEN E.
Whole body cleansing agent [NASA-CASE-MSC-21589-1] 08 p1195 N91-16566
LENZ, GUENTER
Biological action of single accelerated heavy ions on individual yeast cells 11 p1760 N91-19683
LENZ, JAMES
Application of high-temperature superconductors to high-precision accelerometers 05 p0724 N91-14042
LENZ, TERRY G.
Study of improved methods for predicting chemical equilibria [DE91-000263] 05 p0633 N91-13509
LEO, DONALD J.
Project Cerberus: Flyby mission to Pluto 08 p1101 N91-16048
LEON, MARK
NSI engineering review 18 p3078 N91-27013
LEONARD, A.
Study on H-mode and improved confinement in JFT-2M 10 p1599 N91-18819
LEONARD, ANTHONY
Research on bluff-body vortex wakes [AD-A229875] 11 p1645 N91-19071
Chemical reactions in turbulent mixing flows [AD-A232610] 15 p2428 N91-23450
LEONARD, B. P.
Cost-effective accurate coarse-grid method for highly convective multidimensional unsteady flows 13 p2014 N91-21075
LEONARD, C.
Characterization and optimization of a pneumatic injector for a 60 bar combustion chamber [ETN-90-97580] 02 p0192 N91-11076
LEONARD, E. M.
Neutron measurements in search of cold fusion [DE91-004855] 08 p1229 N91-16778
LEONARD, J. A.
Manufacturing Technology: A Sandia Technology Bulletin, Volume 1, No. 1 [DE91-002518] 06 p0815 N91-14504
Sandia technology: Engineering and science applications [DE91-006760] 11 p1692 N91-19322
LEONARD, J. T.
Manual fire suppression methods on typical machinery space spray fires [AD-A225311] 03 p0349 N91-11950
LEONARD, JOEL I.
Spacelab life sciences 1: Reprints of background life sciences publications [NASA-TM-104962] 17 p2818 N91-25571
A systems approach to the physiology of weightlessness 17 p2820 N91-25584
LEONARD, KENNETH R.
Cost-effective use of liquid nitrogen in cryogenic wind tunnels, phase 2 [NASA-CR-182088] 07 p0946 N91-15188
LEONARD, OLIVIER
Subsonic and transonic cascade design 10 p1458 N91-18042
LEONARD, R. K.
Total ozone, ozonesonde, and Umkehr observations for satellite ozone data validation 11 p1732 N91-19525
LEONARD, REGIS F.
NASA developments in solid state power amplifiers 10 p1508 N91-18298
Microwave integrated circuits for space applications 15 p2540 N91-24069
Superconducting microwave electronics at Lewis Research Center 15 p2541 N91-24081

LEONARDI, LUIZ
Effect of coffee plantation cultural variables on LANDSAT-5/TM
[INPE-5209-TDL/430] 22 p3697 N91-30586
LEONE, A.
Laboratory investigation of visible shuttle glow mechanisms 12 p1951 N91-20734
LEONE, J. M., JR.
Numerical modeling of turbulent dispersion around structures using a particle-in-cell method
[DE91-009757] 15 p2424 N91-23426
Numerical modeling of turbulent dispersion around structures using a particle-in-cell method
[DE91-012035] 21 p3537 N91-29652
A three-dimensional numerical simulations of mesoscale flow over KSC/CC area of Florida
[DE91-017445] 24 p4071 N91-32743
LEONE, STEPHEN R.
Time-resolved FTIR (Fourier Transform Infrared) emission studies of laser photofragmentation and chain reactions
[DE90-017223] 01 p0122 N91-10722
Laser probing of the kinetics and dynamics of III -V semiconductor growth
[AD-A237795] 21 p3597 N91-30009
Semiconductor deposition and etching interactions of laser-generated translationally hot atoms and radicals
[AD-A238198] 21 p3598 N91-30015
LEONETTI, M.
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551
LEONG, D. J.
Recent advances with quiescent power supply current (I(sub DDQ)) testing at Sandia using the HP82000
[DE91-009254] 15 p2416 N91-23382
LEONG, FRANK J.
The role of time-limited dispatch operation in fault-tolerant flight critical control systems
04 p0483 N91-12687
LEONG, KENG H.
Parametric study of electrostatically charged sprays
[DE90-010580] 08 p1138 N91-16262
LEONHARDT, M. H.
Mapping an adaptable Eigenstructure technique onto the topologix hypercube
[AD-A232032] 15 p2486 N91-23764
LEONI, R.
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
LEONOV, N. A.
Possibilities of charged particle injection from spacecraft for active diagnostics of the surrounding plasma and active spacecraft potential control 01 p0072 N91-10437
LEPECHON, JEAN CLAUDE
Subsea habitats and space simulation
15 p2449 N91-23567
A KO2 rebreather for EVA denitrogenation procedure
15 p2452 N91-23588
LEPESANT, JEAN-PIERRE
Special optical fibres and sensors for aeronautics
07 p0942 N91-15167
LEPIPEC, MARIE PIERRE
Technical presentation of the Merlin's radome: Calibration and data processing
14 p2289 N91-22656
LEPORE, FRANK A.
Flow induced vibrations in the SSME injector heads
[NASA-CR-184209] 23 p3803 N91-31214
LEPPARD, W. R.
The autoignition chemistry of paraffinic fuels and pro-knock and anti-knock additives: A detailed chemical kinetic study
[DE91-014992] 23 p3821 N91-31314
Autoignition chemistry of C4 olefins under motored engine conditions: A comparison of experimental and modeling results
[DE91-016511] 24 p3974 N91-32197
LEPPENS, H.
An assay for bone cell differentiation in vitro as a tool for microgravity studies in space
11 p1752 N91-19637
LEPPIN, HANS-PETER
Know-how for Europe 24 p4114 N91-32997
LEPROVOST, C.
Sea level and satellite techniques
15 p2453 N91-23595
LEPSCH, ROGER A.
Parametric trade studies on a Shuttle 2 launch system architecture
[NASA-TP-3059] 10 p1484 N91-18180
LEQUERTIER, J. M.
Experimentation facilities for thermomechanical static tests with analytic test specimens at Aerospatiale
[REPT-911-430-108] 15 p2385 N91-23197
Carbon/carbon inox thermostructural composites: Mechanical and tectonic behavior of anti-oxidation protection
[REPT-911-430-115] 15 p2395 N91-23257
LEQUEUX, J.
A survey for PAH emission in H II regions, planetary and proto-planetary nebulae 06 p0890 N91-14920
LEQUIME, M.
Fiber optic magnetic field sensor using spectral modulation encoding
[ETN-91-98619] 10 p1527 N91-18407
LERAY, J. L.
Single event upset sensitivity of a SRAM: An overview from testing procedures to device hardening (theme 2)
24 p3998 N91-32346
LERCH, BRAD A.
A preliminary investigation of acousto-ultrasonic NDE of metal matrix composite test specimens
[NASA-TM-104339] 15 p2441 N91-23521
LERCH, BRADLEY A.
Tensile deformation damage in SiC reinforced Ti-15V-3Cr-3Al-3Sn
[NASA-TM-103620] 17 p2746 N91-25195
Matrix plasticity in SiC/Ti-15-3 composite
[NASA-TM-103760] 19 p3122 N91-27247
Experimental and analytical analysis of stress-strain behavior in a (90/0 deg)2s, SiC/Ti-15-3 laminate
[NASA-TM-104470] 23 p3807 N91-31235
LERCH, PH.
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
LERCHE, R. A.
Twelve signals multiplexed with the LLNL optical streak camera
[DE91-000066] 05 p0662 N91-13680
Fast Pb-glass neutron-to-light converter for ICF (Inertial Confinement Fusion) target burn history measurements
[DE91-002670] 05 p0720 N91-14021
Timing between streak cameras with a precision of 10 ps
[DE91-005266] 09 p1339 N91-17356
LEREAH, YOSSI
Crystallization of thin films of amorphous germanium alloys
[ITN-91-85110] 18 p3071 N91-26969
LERMA, GUILLERMO
Flexible diaphragm-extreme temperature usage
[NASA-CASE-MSC-20797-2] 13 p2089 N91-21494
LERNER, BOAZ
Two color correlation of scintillations in a laboratory-generated turbulence
[ITN-90-85033] 07 p1006 N91-15522
LERNER, NARCINDA R.
A conformal oxidation-resistant, plasma-polymerized coating 15 p2539 N91-24063
Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] 23 p3811 N91-31258
LEROUX, C.
RADAR performance experiments
16 p2555 N91-24168
LEROUX, R.
SIMOUN: New test methods for development work on the Hermes thermal protection systems
03 p0334 N91-11873
SIMOUN: A high temperature and low pressure testing facility for material characterization
[REPT-911-430-121] 15 p2387 N91-23208
SIMOUN: A new test appliance for the development of Hermes thermal protections
[REPT-911-430-129] 15 p2387 N91-23209
LEROY, C. B. Y.
Analysis of a twisting cassegrain antenna
[FEL-90-A299] 22 p3664 N91-30399
LEROY, JEAN-MARIE
Internal communications for the control centres
14 p2212 N91-22219
LES, JOHN M.
The charge-exchange neutral problem and the code NEUTRAL
[AD-A237889] 21 p3506 N91-29464
LESAIN, ALAIN
Visualization of three dimensional unsteady computation results
[AAAF-NT-89-23] 23 p3913 N91-31850
LESAR, R.
Free energy simulation of grain boundary segregation the thermodynamics in Ni(3-x)Al(1+x)
[DE91-007473] 11 p1808 N91-19928
LESCEUX, J. M.
Detection of nonlinear features in plasma and field measurements by PROGNOZ-8
06 p0918 N91-15063
A method for solving Poisson's equation in geophysical and astrophysical plasma
[AERONOMICA-ACTA-A-357-1990]
15 p2513 N91-23925
LESCHIUTTA, SIGFRIDO
Recent developments of Loran-C in Europe
17 p2858 N91-25805
LESCHZINER, M. A.
Two-equation models for high-Reynolds-number flow
23 p3865 N91-31553
Two-equation models for low-Reynolds number flow
23 p3865 N91-31554
Inclusion of second-moment closures into finite-volume solvers 23 p3865 N91-31556
Numerical implementation and performance of Reynolds stress closures in finite-volume computations of recirculating and strongly swirling flows
23 p3866 N91-31557
Application of second-moment closure in complex flows 23 p3866 N91-31559
LESCO, DANIEL J.
Propulsion instrumentation research
12 p1838 N91-20100
Research and development of optical measurement techniques for aerospace propulsion research: A NASA Lewis Research Center perspective
[NASA-TM-104418] 19 p3167 N91-27511
LESIEUR, M.
Direct and large-eddy simulations of transition in the compressible boundary layer 23 p3867 N91-31566
Spectral large-eddy simulation of isotropic and stably-stratified turbulences 23 p3867 N91-31567
Large-eddy simulation of the turbulent flow in the downstream region of a backward facing step
23 p3867 N91-31568
LESIEUTRE, DANIEL J.
Aerodynamic design of Pegasus (trademark): Concept to flight with CFD 06 p0773 N91-14285
Chordwise and spanwise centers of pressure of missile fins 06 p0776 N91-14304
LESIEUTRE, GEORGE A.
Finite element modeling of truss structures with frequency-dependent material damping
14 p2232 N91-22345
LESK, MICHAEL
Full text retrieval with graphics
17 p2876 N91-25907
LESKOV, LEONID VASILYEVICH
Issues in space policy, budgeting
12 p1850 N91-20166
LESKOVAR, B.
Recent advances in fiber optics components for high speed data transmission
[DE91-016252] 23 p3928 N91-31948
LESLIE, FRED W.
NASA/MSFC FY90 Global Scale Atmospheric Processes Research Program Review
[NASA-CP-3093] 08 p1181 N91-16500
Theoretical and experimental studies of baroclinic processes 08 p1184 N91-16512
NASA/MSFC FY91 Global Scale Atmospheric Processes Research Program Review
[NASA-CP-3126] 24 p4056 N91-32660
Basic studies of baroclinic flows
24 p4056 N91-32662
LESLIE, LYNN D.
Alaska wave data index
[AD-A236635] 20 p3377 N91-28707
LESLIE, P. K.
Phenomena affecting morphology of microporous poly(acrylonitrile) prepared via phase separation from solution
[DE91-004501] 11 p1687 N91-19297
LESNIAK, L.
Strange particles production and absorption in nuclei at high energies
[DE91-620399] 13 p2150 N91-21845
LESNIAREK-HAMID, J. L.
Creep and physical ageing in PVC at high stresses
[NPL-DMM(A)-17] 12 p1876 N91-20313
LESPERANCE, A. M.
Global climate change policy issues related to the movement of industry from developed to rapidly industrializing countries
[DE91-005615] 09 p1361 N91-17481
LESPERANCE, G.
Rejuvenation of service exposed alloy 713C turbine blades
[NAE-LTR-ST-1716] 21 p3458 N91-29179
LESS, J. Y.
Photo-induced charge carrier generation in thin film polydiacetylene single crystals
[AD-A235860] 19 p3252 N91-27991
LESSARD, CHARLES S.
Characterization of slow and fast phase nystagmus
[NASA-CR-188452] 17 p2821 N91-25569

LESSER, VICTOR R.
Northeast Artificial Intelligence Consortium (NAIC). Volume 5: Distributed planning for dynamic environments in the presence of time constraints
[AD-A234884] 18 p3046 N91-26819
Northeast Artificial Intelligence Consortium (NAIC). Volume 6: Building an intelligent assistant: The acquisition, integration, and maintenance of complex distributed tasks
[AD-A234885] 18 p3046 N91-26820
Northeast Artificial Intelligence Consortium (NAIC). Volume 17: High-level adaptive signal processing
[AD-A234896] 18 p3048 N91-26831

LESSOR, D. L.
A LEED study of the MgO(001) surface structure
[DE91-002811] 06 p0883 N91-14879
Computer modeling of ceramic melters to assess impacts of process and design variables on performance
[DE91-013668] 20 p3328 N91-28431

LESTER, D. F.
The compact far infrared emission from the young stellar object IRAS 16293-2422 06 p0894 N91-14940

LESTER, DAN F.
High spatial resolution 100 micron observations of the M83 bar 05 p0740 N91-14130
A near infrared spectroscopic study of the interstellar gas in the starburst core of M82 05 p0759 N91-14221
High spatial resolution studies of galaxies in the far IR: Observations with the KAO, and the promise of SOFIA 05 p0761 N91-14229

LESTER, DEAN M.
Space aging of solid rocket materials 16 p2719 N91-25058

LESTER, JAMES
A survey of Total Quality Management (TQM) resource centers
[AD-A229218] 09 p1422 N91-17831

LESTER, MARK
Optimum antenna spacing for diversity in meteor burst communications systems 22 p3659 N91-30367

LESTIENNE, F.
The reference systems for tactile perception and for the orientation with respect to body 11 p1761 N91-19691

LESTRADE, JOHN PATRICK
Gamma-ray bursts: An overview 10 p1631 N91-18992

LESTZ, SIDNEY J.
Fuel lubricity requirements for diesel injection systems
[AD-A235972] 19 p3174 N91-27550

LESUER, D. R.
Strain enhanced microstructural evolution
[DE91-011921] 18 p2957 N91-26318
Microstructural change and its influence on stress-strain behavior of two superplastic materials
[DE91-017431] 24 p4111 N91-32980

LETALLE, PIERRE
Hermes flight control center: Definition status 14 p2210 N91-22205

LETHCOE, BRYAN J.
The dynamics of droplet formation and detachment in gas metal arc welding
[DE91-006130] 10 p1531 N91-18437

LETOULLEC, C.
Simulation expert system for physiological mechanisms of the space motion sickness 11 p1745 N91-19596

LETRAON, PIERRE-YVES
Collection and processing of oceanographic data at CLS 15 p2455 N91-23603

LETTENMAIER, D. P.
Robustness of a multiple-use reservoir to seasonal runoff shifts associated with climate change
[DE91-004809] 07 p1027 N91-15639

LETTON, ALAN
Preliminary investigation of thin film polymers exposed to low Earth orbit 16 p2714 N91-25020
Study of balloon and thermal control material degradation aboard LDEF 16 p2714 N91-25021
The influence of flowing afterglow exposure on the degradation of various polymeric materials 16 p2714 N91-25022

LEU, H. J.
YBa2Cu3O(x) composites with improved toughness and strength
[DE90-011180] 01 p0132 N91-10782

LEUCHTER, O.
Use of 4-hot-wire probes to study turbulent flow
[AAAF-NT-89-15] 23 p3870 N91-31588

LEUNG, CHUN MING
Using infrared spectral features to probe circumstellar dust shells around cool stars 06 p0909 N91-15021

LEUNG, E.
The DARPA compact superconducting x-ray lithography source features
[DE91-013864] 20 p3432 N91-29039

LEUNG, E. M. W.
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981

LEUNG, EMILY W.
Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU] 06 p0870 N91-14808

LEUNG, LARRY K.
Chemical sensing applications of semiconductor photoluminescence
[AD-A235935] 19 p3252 N91-27993
Photoluminescence studies of silver-exchanged cadmium selenide crystals. Modification of a chemical sensor for aniline derivatives by heterojunction formation
[AD-A236000] 19 p3253 N91-27996

LEUNG, T. C.
Mean field analysis of the CuO2 lattice: Comparison to Monte Carlo simulations
[DE91-015570] 23 p3931 N91-31968

LEUNG, W.
New method for edge plasma control by RF ponderomotive force
[DE91-744823] 11 p1805 N91-19911

LEV, BRIAN
The NSINIC on-line system 18 p3080 N91-27029

LEVADOU, FRANCOIS
Preliminary investigations into UHCRE thermal control materials 16 p2716 N91-25033

LEVASSEUR-REGOURD, A. CHANTAL
Comets and their evolution in the solar system 10 p1621 N91-18939

LEVEQUE, C.
Telemanipulation system assisted by computer for under water applications 15 p2452 N91-23585

LEVER, A. B.
Electrochemical parameterization of rhenium redox couples
[AD-A232043] 15 p2398 N91-23279
Molecular orientation of the silver tetra neopentoxy phthalo cyanine and stearic acid mixed Langmuir-Blodgett film and its chemical and electrochemical behaviour
[AD-A234601] 18 p2938 N91-26206
The control of orbital mixing in ruthenium complexes containing quinone related ligands
[AD-A234602] 18 p2947 N91-26260
Tetra neopentoxy phthalo cyanine Langmuir-Blodgett films: Spectroscopy at the air/water interface
[AD-A234603] 18 p2947 N91-26261

LEVER, A. B. P.
The synthesis of monometallated and unsymmetrically substituted binuclear phthalocyanines and a pentanuclear phthalocyanine by solution and polymer support methods
[AD-A225363] 03 p0345 N91-11934

LEVERITT, CHARLES S.
The effects of composition variation and nitric acid on the stability and reactivity of the HAN-based liquid propellants
[AD-A231502] 14 p2253 N91-22462

LEVERMORE, C. DAVID
Lattice Boltzmann methods for some 2-D nonlinear diffusion equations: Computational results
[DE91-004175] 05 p0710 N91-13962

LEVERMORE, D.
A Knudsen layer theory for lattice gases
[ETN-90-97583] 01 p0042 N91-10248

LEVESON, NANCY
Software safety
[NASA-CR-187920] 09 p1386 N91-17623

LEVESQUE, PATRICK
Physical mechanisms and disturbances related to the attachment of an electric arc to a conductive cylinder
[ESA-TT-1168] 22 p3669 N91-30431

LEVEY, BRIAN S.
An experimental investigation of a supersonic vortical flow
[NASA-TM-105102] 24 p3951 N91-32085

LEVI, M.
Test results of a 90 MHz integrated circuit sixteen channel analog pipeline for SSC detector calorimetry
[DE91-009773] 13 p2076 N91-21436
The nonlinear control theory of complex mechanical systems
[AD-A229474] 22 p3683 N91-30509

LEVICK, Y. S.
The reference systems for tactile perception and for the orientation with respect to body 11 p1761 N91-19691

LEVIN, BARRY E.
Expert system decision support for low-cost launch vehicle operations 12 p1941 N91-20679

LEVIN, DANIEL S.
Analysis of deep underground multiple muons and the cosmic ray composition above 10 TeV/nucleus 03 p0449 N91-12509

LEVIN, JEFF A.
Research in mathematics and computer science: Calculation of the probability of undetected error for certain error detection codes, phase 2
[AD-A238234] 21 p3557 N91-29768

LEVIN, K.
The effect of strong Coulomb correlations on electron-phonon interactions in the copper oxides: Implications for transport
[DE91-013333] 20 p3402 N91-28854

LEVIN, MOSHE
Mutual interference between many similar radars operating in physical proximity
[ITN-91-85139] 20 p3335 N91-28468

LEVIN, R.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475

LEVIN, RICHARD R.
An application of multiattribute decision analysis to the Space Station Freedom program. Case study: Automation and robotics technology evaluation
[NASA-CR-187432] 05 p0627 N91-13476

LEVIN, S.
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444

LEVINE, ARLENE S.
First LDEF Post-Retrieval Symposium abstracts
[NASA-CP-10072] 16 p2705 N91-24972

LEVINE, B. F.
Quantum Well Infrared Photodetectors (QWIP) 06 p0795 N91-14392

LEVINE, D. A.
Monitoring challenges and innovative ideas
[DE91-000586] 08 p1174 N91-16465

LEVINE, DAVID
An electrically scanned thinned array radiometer for Earth remote sensing 17 p2796 N91-25465

LEVINE, ELISSA R.
A global data set of soil particle size properties
[NASA-TM-4286] 22 p3698 N91-30589

LEVINE, H. G.
Plant development in space: Observations on root formation and growth 11 p1758 N91-19670

LEVINE, HERBERT
Nonlinear stability in fluids and plasma dynamics-conformal quasi-conformal geometry: Iteration, distoration, dynamics, and circle packing
[AD-A229469] 22 p3755 N91-30934

LEVINE, JUDAH
Device and method for providing accurate time and/or frequency
[US-PATENT-APPL-SN-471764] 03 p0368 N91-12060
Synchronizing computer clocks using a local area network 17 p2856 N91-25793

LEVINE, RICHARD R.
Visual Survey of Apache Aviators (VISAA)
[AD-A230201] 12 p1931 N91-20624
Visual and field-of-view evaluation of the M-43 protective mask with prescription eyepieces
[AD-A234592] 18 p3035 N91-26754

LEVINE, STAN
Manufacturing processes 20 p3298 N91-28244

LEVINSKIY, S. V.
Effects of work and raised CO2 combination on respiration and thermoregulation 19 p3211 N91-27749

LEVIT, B. YA.
Approximately integrable linear statistical models in non-parametric estimation
[AD-A227395] 06 p0868 N91-14798

LEVIT, CREON
Computational fluid dynamics on a massively parallel computer 02 p0154 N91-10896

LEVITAN, LEE
A new active virtual pivot six-degree-of-freedom hand controller for aerospace applications 16 p2642 N91-24625

LEVITAN, STEVEN P.
Coincident pulse techniques for hybrid electronic optical computer systems
[AD-A233195] 16 p2689 N91-24887

LEVITT, K.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671
Formal proof of the AVM-1 microprocessor using the concept of generic interpreters
[NASA-CR-187491] 11 p1779 N91-19756
The formal verification of generic interpreters
[NASA-CR-4403] 24 p4090 N91-32853

LEVITT, KARL N.
Toward a formal verification of a floating-point coprocessor and its composition with a central processing unit
[NASA-CR-187547] 20 p3389 N91-28777
LEVORSEN, JOE
LDEF electronic systems: Successes, failures, and lessons 16 p2724 N91-25085
LEVRIER, J.
Relation between fiber proportion and mechanical characteristics of carbon-resin composites
[RE-50-345/F] 23 p3806 N91-31231
LEVSHAKOV, S. A.
Spectral synthesis code LINESPEC: Ionisation equilibrium of plasma and absorption spectra formation 06 p0923 N91-15106
LEVSHIN, I. V.
Acid-base balance in men breathing air with raised CO2 19 p3211 N91-27748
LEVUSH, B.
Mode competition effects in free electron lasers and gyrotrons
[DE90-011084] 08 p1152 N91-16346
Microwave generation for magnetic fusion energy applications, task B
[DE90-011079] 08 p1227 N91-16763
Microwave generation for magnetic fusion energy applications, task C
[DE90-011080] 08 p1227 N91-16764
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
Microwave generation for magnetic fusion energy applications
[DE91-008280] 12 p1983 N91-20912
Experimental and theoretical studies of high power plasma filled backward wave oscillators
[AD-A231782] 14 p2259 N91-22500
LEVY, C.
FIABAI: A knowledge based system for the evaluation of the reliability-availability of complex computer architectures 14 p2220 N91-22272
LEVY, C. D.
Payload accommodations. Avionics payload support architecture 09 p1282 N91-17046
LEVY, C. D. P.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
LEVY, DAVID R.
Initial flight test of a ground deployed system for flying qualities assessment
[NASA-TM-101700] 07 p0945 N91-15182
LEVY, DAVID WILLIAM
Use of a rotated Riemann solver for the two-dimensional Euler equations 20 p3346 N91-28530
LEVY, EUGENE H.
Magnetohydrodynamic puzzles in the protoplanetary nebula 14 p2345 N91-22966
LEVY, H.
Optimization of polling systems
[CWI-BS-R8932] 01 p0109 N91-10635
Efficient visit orders for polling systems
[CWI-BS-R9017] 10 p1589 N91-18759
LEVY, HANOCH
Performance analysis of transaction driven computer systems via queueing analysis of polling models
[CWI-BS-R8931] 02 p0256 N91-11426
LEVY, JAMES J.
Analog optical neural nets: A noise sensitivity analysis
[AD-A226789] 07 p1055 N91-15793
LEVY, M.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461
Assessment of corrosion resistant coatings for a depleted U-0.75 Ti alloy
[AD-A228237] 08 p1116 N91-16130
LEVY, MOISES
Bulk wave characterization of high T(sub c) superconductors
[AD-A234649] 18 p3069 N91-26954
LEVY, P. W.
Radiation damage studies on hybrid preamplifiers
[DE91-008411] 11 p1699 N91-19359
Thermoluminescence kinetics of pyrite (FeS2)
[DE91-011710] 18 p3074 N91-26990
LEVY, R.
Algorithms for structural natural-frequency design 24 p3984 N91-32252
LEVY, RALPH
A design strategy for the use of vortex generators to manage inlet-engine distortion using computational fluid dynamics
[NASA-TM-104436] 16 p2550 N91-24131
LEVY, SAMUEL C.
Lithium battery safety and reliability
[DE91-005800] 09 p1330 N91-17306
LEVY, SAUL Y.
Content addressable memory project
[AD-A234524] 18 p3037 N91-26763
LEVY, YESHAYAHOU
Measurements and predictions of a liquid spray from an air-assist nozzle
[NASA-TM-103640] 05 p0623 N91-13455
LEW, J.
Experimental investigations of the effects of cutting angle on chattering of a flexible manipulator 22 p3687 N91-30529
LEW, J.-S.
Comparison of several system identification methods for flexible structures
[NASA-TM-104046] 13 p2103 N91-21574
LEW, JAE Y.
Control strategy for cooperating disparate manipulators: Non-colocated control of disturbances of a flexible arm 22 p3687 N91-30527
LEWALLEN, ERIC C.
An analysis of trusted computer evaluation and certification
[AD-A233145] 16 p2669 N91-24771
LEWANDOWSKI, WLODZIMIERZ W.
GPS time transfer with implementation of selective availability 17 p2852 N91-25766
Sensitivity to the external temperature of some GPS time receivers 17 p2854 N91-25780
The use of precise ephemerides, ionospheric data, and corrected antenna coordinates in a long-distance GPS time transfer 17 p2858 N91-25802
LEWICKI, D. G.
Transmission overhaul estimates for partial and full replacement at repair
[NASA-TM-104395] 22 p3688 N91-30533
LEWICKI, DAVID G.
Advanced rotorcraft transmission technology 12 p1840 N91-20115
LEWIN, J. D.
Supernova detectors based on coherent nuclear recoil
[RAL-91-016] 22 p3778 N91-31074
LEWIN, K.
Analysis of high frequency surface-induced concentration fluctuations
[DE91-007561] 11 p1734 N91-19538
LEWIN, K. F.
Free-air carbon dioxide enrichment: A new approach to research on carbon exchange processes
[DE91-012074] 18 p3008 N91-26609
LEWIS, B. R.
The flexural strength of unidirectional carbon fibre composites
[BU-509] 14 p2241 N91-22399
LEWIS, B. T.
The first direct measurements of upper oceanic crustal compressional wave attenuation
[AD-A229902] 12 p1926 N91-20599
LEWIS, BLAIR F.
Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] 06 p0863 N91-14772
LEWIS, CAROLINE MARIA
Peculiar cosmological velocities 22 p3774 N91-31050
LEWIS, D. KENT
Localized wave transport of pulsed beam energy
[DE91-005066] 10 p1590 N91-18769
LEWIS, D. L.
Continuum x ray gauging of multiple-element materials
[DE91-011923] 20 p3307 N91-28307
LEWIS, DAVID W.
Microgravity vibration isolation: An optimal control law for the one-dimensional case 13 p2037 N91-21206
LEWIS, DONALD E.
RAND database handling (DBH) system user guide
[AD-A230216] 12 p1997 N91-20992
LEWIS, ELMER E.
General Monte Carlo reliability simulation code including common mode failures and HARP fault/error-handling
[NASA-CR-187793] 09 p1349 N91-17409
LEWIS, G. M.
The evolution of the bypass engine
[PNR-90707] 01 p0011 N91-10068
LEWIS, I. T.
WFOV star tracker camera
[DE91-012776] 20 p3282 N91-28148
LEWIS, JOHN S.
NASA Space Engineering Research Center for Utilization of Local Planetary Resources
[NASA-CR-188222] 16 p2593 N91-24365
Coproduction of volatiles and metals from extraterrestrial materials 16 p2593 N91-24366
NASA Space Engineering Research Center for Utilization of Local Planetary Resources
[NASA-CR-188221] 17 p2748 N91-25203
Extraction of volatiles and metals from extraterrestrial ores 17 p2748 N91-25205
NASA Space Engineering Research Center for utilization of local planetary resources
[NASA-CR-188220] 17 p2751 N91-25223
Extraction of volatile and metals from extraterrestrial materials 17 p2751 N91-25227
Enstatite chondrites and achondrites as asteroidal resources 17 p2907 N91-26056
LEWIS, L. DAVID
The IPS data acquisition and communication system
[PB90-106039] 09 p1322 N91-17258
LEWIS, M. B.
An assessment of the lifetime of Faraday shield elements
[DE91-012228] 20 p3334 N91-28463
LEWIS, MARIAN L.
Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] 05 p0693 N91-13860
LEWIS, MICHAEL D.
Thermal shock testing for assuring reliability of glass-sealed microelectronic packages
[NASA-TM-104537] 12 p1910 N91-20500
LEWIS, MICHAEL J.
State of the art in video system performance 06 p0829 N91-14578
LEWIS, MIKE
NASA Langley flight test program 16 p2556 N91-24175
LEWIS, NATHAN S.
Applications of scanning tunneling microscopy to electrochemistry
[AD-A237021] 20 p3307 N91-28304
Mechanistic investigation of nanometer-scale/lithography at liquid-covered graphite surfaces
[AD-A237085] 21 p3486 N91-29337
Pulse induced nanlithography of graphite in H2O: A road to chemical linkages to the surface?
[AD-A237086] 21 p3486 N91-29338
LEWIS, P. S.
Prediction and control of chaotic processes using nonlinear adaptive networks
[DE90-016505] 01 p0118 N91-10697
LEWIS, PAUL
Reduction in bearing size due to superconductors in magnetic bearings 13 p2038 N91-21211
LEWIS, R. G.
Sampling and analysis for polychlorinated dibenzo-p-dioxins and dibenzofurans in ambient air
[PB91-131698] 12 p1920 N91-20565
LEWIS, R. M.
Parallel optimization and inverse problems
[AD-A233371] 16 p2613 N91-24467
LEWIS, ROBERT R.
The 12th International Conference on Atomic Physics
[AD-A234876] 19 p3240 N91-27919
LEWIS, ROY S.
Instellar grains within interstellar grains 11 p1820 N91-19998
LEWIS, S.
Robust and real-time control of magnetic bearings for space engines 20 p3296 N91-28230
LEWIS, S. R.
Long-lived eddies in the atmosphere of Jupiter 03 p0438 N91-12451
LEWIS, T. W.
Thin steel section casting on a near-horizontal twin-belt caster
[DE91-001883] 06 p0816 N91-14505
LEWIS, TOM
National Aeronautics and Space Administration Multiyear Authorization Act of 1991 18 p3083 N91-27046
LEWIS, W., III
Fiber-sensor design for turbine engines
[DE91-010787] 17 p2736 N91-25150
LEWKOWICZ, JAMES F.
Proceedings of the 9th Annual DARPA/AFGL Seismic Research Symposium
[AD-A229025] 09 p1365 N91-17500
Proceedings of the 11th Annual DARPA/AFGL Seismic Research symposium
[AD-A229228] 09 p1365 N91-17503
Proceedings of the 8th Annual DARPA/AFGL Seismic Research Symposium
[AD-A230519] 12 p1923 N91-20582

LEXOW, BERND
Application of the finite difference method to the calculation of temperature distributions in growth ampoules for mirror furnaces 14 p2335 N91-22908
LEYKIN, G. A.
Homogeneous distribution of volcanic flows in the Northern Hemisphere of Venus 12 p1848 N91-20159
LEYNAERT, J.
Aerodynamics of combat aircraft controls and of ground effects
[AGARD-AR-271] 24 p3950 N91-32082
LEYRAT, GILLES F.
Effects of an internal flow on the vibration of thin cylindrical shells 02 p0225 N91-11258
LEYSE, C. F.
A preliminary stage configuration for a Low Pressure Nuclear Thermal Rocket (LPNTR)
[DE91-006110] 10 p1491 N91-18210
LEYSE, CARL F.
Pressure fed nuclear thermal rockets for space missions
[DE91-001847] 07 p0965 N91-15302
LEYTENE, L. YA.
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3715 N91-30677
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3717 N91-30687
LEYVA, V.
Optoelectronic realizations of neural network models
[AD-A228841] 09 p1327 N91-17292
LEYVA, VICTOR
Dependence of the photorefractive properties of KTa(1-x)Nb(x)O3:Cu,V on Cu valence state concentration
[AD-A230954] 13 p2161 N91-21917
LEZBERG, ERWIN A.
Chemical reacting flows 12 p1837 N91-20098
LEZNOFF, CLIFFORD C.
The synthesis of monometaliated and unsymmetrically substituted binuclear phthalocyanines and a pentanuclear phthalocyanine by solution and polymer support methods
[AD-A225363] 03 p0345 N91-11934
LEZNOV, A. N.
The 't Hooft's solution for arbitrary semisimple Lie group
[DE91-617572] 21 p3564 N91-29813
LHALLABI, T.
The (2,0) super Beltrami parametrization and superconformal structures
[DE91-617611] 20 p3435 N91-29057
LHERMITTE, ROGER
Observation of stratiform rain with 94 GHz and Ka-band radars
[AD-A225832] 04 p0549 N91-13045
LHEUREUX, JACQUES
Cosmic Ray Nuclei (CRN) detector investigation
[NASA-CR-184137] 13 p2183 N91-22063
LHOMME, ALBERT P.
Gabor filters and neural networks for segmentation of synthetic aperture radar imagery
[AD-A230580] 12 p1886 N91-20371
LI, A.-Z.
Improvement of bulk and epitaxial III-V semiconductors for solar cells by creation of denuded recombination zones
[DE90-000387] 10 p1540 N91-18478
LI, BINHONG
Theory and simulent design of a type of auto-self-protecting optical switches
[AD-A225344] 03 p0360 N91-12021
LI, C-Y.
Fundamental studies of electronic packaging materials and structures: Surface and interfaces
[AD-A232336] 15 p2420 N91-23403
LI, CHE-YU
Deformation and thermal fatigue in high temperature austenitic alloys
[DE91-014981] 21 p3480 N91-29305
LI, CHIEN P.
Johnson Space Center CFD overview 02 p0144 N91-10844
Aerodynamic stability and heating analyses for the aeroassist flight experiment vehicle 02 p0155 N91-10899
LI, FEIYUE
Maneuver simulations of flexible spacecraft by solving TPBVP 14 p2229 N91-22328
LI, G.
Fabry-Perot observations of comet Austin 12 p2003 N91-21021
Coding for frequency hopped spread spectrum satellite communications
[ECE-89-1] 21 p3496 N91-29398
LI, GANG
The distribution of the size and number of shadows cast on a line segment in a Poisson random field
[AD-A233697] 18 p3053 N91-26857
LI, HSI-SHANG
Transverse liquid fuel jet breakup, burning, and ignition
[NASA-CR-187423] 05 p0633 N91-13510
LI, HUANXING
The content measurement of superconducting phase for high temperature superconducting oxide YBa2Cu3O(7-x)
[DE90-637631] 03 p0421 N91-12354
LI, J. C.
Parallel computations and control of adaptive structures 13 p2131 N91-21732
LI, JIANGUO
Surface-bound alkyl monolayers: Electrochemical and structural characterization
[AD-A237604] 22 p3647 N91-30297
Surface-bound biomembranes incorporating receptors: Electrochemical and structural characterization
[AD-A237605] 22 p3647 N91-30298
Evaluation of surface-bound membranes with electrochemical impedance spectroscopy
[AD-A237606] 22 p3647 N91-30299
LI, JIM SIU JIMMY
Nonlinear smoothing filters and their realization 09 p1326 N91-17279
LI, L.
Hierarchic modeling of plates
[AD-A232754] 15 p2448 N91-23560
Accuracy of the Reissner-Mindlin and the (1,1,2) model for the clamped-in plate problem
[AD-A232755] 15 p2448 N91-23561
The problem of plate modeling theoretical and computational results
[AD-A232756] 15 p2448 N91-23562
The H-P version of the finite element method in the plate modelling problem
[AD-A232246] 15 p2495 N91-23816
Steady state and transient photoconductivity of thin film polydiacetylene single crystals
[AD-A235854] 19 p3252 N91-27990
LI, LARRY C. H.
Method and apparatus for positioning a robotic end effector
[NASA-CASE-MSC-21476-1] 13 p2096 N91-21542
LI, M. F.
Pressure dependence of deep centers by capacitance spectroscopies inside the diamond anvil cell
[DE91-008927] 13 p2159 N91-21906
LI, MING
How to share concurrent wait-free variables
[ITLI-CT-91-02] 22 p3746 N91-30874
Kolmogorov complexity arguments in combinatorics
[ITLI-CT-91-01] 22 p3747 N91-30888
Average case complexity under the universal distribution equals worst case complexity
[ITLI-CT-91-03] 22 p3748 N91-30889
LI, QIANG
High-resolution measurements of the thermal conductivity and boundary resistance of helium-4 near the lambda point 20 p3310 N91-28322
Single vortex motion and elementary pinning force in SNIS Josephson junctions
[DE91-016160] 24 p4109 N91-32963
LI, S.
Chemistry and superconductivity in thallium-based cuprates
[AD-A225051] 03 p0423 N91-12366
Normal mode analysis of van der Waals vibrations
[AD-A232891] 16 p2682 N91-24851
Excited state intermolecular proton transfer in isolated clusters: 1-naphthol/ammonia and water
[AD-A233637] 16 p2683 N91-24857
LI, S. W.
Field calibration of soil-core microcosms for evaluating fate and effects of genetically engineered microorganisms in terrestrial ecosystems
[DE91-011258] 17 p2807 N91-25518
LI, SHUI-CHI
Experimental and theoretical studies of ignition and combustion of boron particles in wet and dry atmospheres 07 p0974 N91-15346
LI, SIU W.
A high resolution statistical characterization of fading on meteor communication channels
[AD-A235548] 19 p3149 N91-27407
LI, T. K.
Further development of IDGS: Isotope dilution gamma-ray spectrometry
[DE91-016315] 24 p4104 N91-32936
LI, W.
Growth condition dependence of RHEED pattern from GaAs(111)B surface
[DE91-014770] 21 p3593 N91-29986
LI, WEI-WEI
Current collection in an anisotropic plasma 09 p1402 N91-17717
LI, WEIGONG
Experimental and theoretical investigation of unsteady forced convection in ducts 20 p3345 N91-28524
LI, X.
Recent advances in the ITO/InP solar cell 11 p1670 N91-19202
Fabrication and performance analysis of 4-sq cm indium tin oxide/InP photovoltaic solar cells 22 p3631 N91-30205
LI, X. S.
Spectrum of the third-order nonlinear susceptibility of trans-polyacetylene
[AD-A230109] 12 p1873 N91-20291
LI, XIAO-SHEN
Surface-induced optical bistability in coupled exciton-phonon systems
[AD-A228833] 09 p1411 N91-17764
Transient dynamics in excitonic optical bistability in polymers
[AD-A229901] 12 p1872 N91-20286
LI, XIAOYU
Thermal conductivity of solid hydrogen at low temperature 20 p3311 N91-28330
LI, XIN
The content measurement of superconducting phase for high temperature superconducting oxide YBa2Cu3O(7-x)
[DE90-637631] 03 p0421 N91-12354
LI, XIPING
Array-typed, sealed-off mini tea CO2 laser
[AD-A234804] 18 p2990 N91-26511
LI, Y.
Annealing characteristics of irradiated hydrogenated amorphous silicon solar cells 11 p1672 N91-19214
Preparation and characterization of YBa2Cu4O8 superconductor
[DE91-010596] 17 p2872 N91-25885
Defects in decomposed YBa2Cu4O8 (124) superconductor after rapid annealing
[DE91-010597] 18 p3072 N91-26979
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480
Reliability of computational analysis of plasticity problems
[AD-A239646] 23 p3887 N91-31691
LI, Y. L.
The interlaminar shear strength of woven carbon, woven glass and woven carbon/glass hybrid laminates under static and impact loading
[OUEL-1831/90] 06 p0801 N91-14423
Modelling of the impact response of fibre-reinforced composites
[OUEL-1863/90] 13 p2044 N91-21244
Effect of strain rate on the through-thickness elastic properties of woven laminates 13 p2044 N91-21245
A new type of shear specimen for measuring the interlaminar shear strength under impact loading 13 p2044 N91-21246
The interlaminar shear strength of woven carbon, woven glass and woven carbon/glass hybrid laminates under static and impact loading 13 p2045 N91-21247
Analysis of failure in woven carbon/epoxy laminates under quasi-static and impact loading 13 p2045 N91-21248
Stress wave propagation in hybrid composite materials 13 p2045 N91-21249
Modelling of the impact response of fibre-reinforced composites
[AD-A232658] 15 p2396 N91-23266
LI, YAHONG
Investigation on the projection by a Z-pinch discharge
[DE90-637548] 02 p0275 N91-11544
LI, YAN
Application of ultrasonic guided waves to the characterization of texture in metal sheets of cubic and hexagonal crystallites
[DE91-001107] 06 p0809 N91-14466
LI, YOUFU
Real-time sensor-based approach to the improvement of transitions of robot manipulator controls
[OUEL-1866/90] 11 p1718 N91-19459
LI, YUANYE
Experimental research on digital control of engine JT15D-4
[AD-A225342] 04 p0481 N91-12681

LI, Z. P.
Relativistic effects in gamma-gamma decays of P-wave positronium and qq(bar) systems
[RAL-90-061] 10 p1593 N91-18789
A unified formalism for gamma gamma to meson and psi to gammaX with possible tests for hybrid and gluonic hadrons
[RAL-91-039] 24 p4095 N91-32877

LI, Z. X.
New palaeomagnetic results from the Amadeus Basin and their implications for stratigraphy and tectonics
19 p3196 N91-27670

LI, Z. Y.
Critical behavior in magnetic superlattices
[AD-A231327] 13 p2162 N91-21925
Trimodal random-field Ising systems in a transverse field
[AD-A235038] 18 p3055 N91-26875

LI, ZHENG
Neutron radiation damage studies on silicon detectors
[DE91-008441] 11 p1699 N91-19361

LI, ZHUANG
Residual stress calculations in whisker-reinforced ceramic matrix composites
[DE91-011163] 17 p2762 N91-25290

LIAN, ZHI WEN
On the instability of liquid jet and liquid curtain
14 p2263 N91-22519

LIANDRAT, J.
Resolution of the 1D regularized Burgers equation using a spatial wavelet approximation
[NASA-CR-187480] 08 p1211 N91-16664

LIANG, A. Y.
Properties and characterization of thin film ferroelectric capacitors for nonvolatile memories
[DE91-004037] 08 p1134 N91-16242

LIANG, E. P.
Line and continuum spectroscopy as diagnostic tools for gamma ray bursts
[DE91-008062] 12 p2008 N91-21053

LIANG, EDISON P.
Analysis of gamma ray burst spectra with cyclotron lines
[DE91-001745] 05 p0769 N91-14269

LIANG, G.
Magnetic properties of the electron-doped superconductor Nd(2-x)Ce(x)CuO(4-delta)
[AD-A225050] 03 p0423 N91-12365

LIANG, RANTY H.
VUV-induced degradation of FEP Teflon aboard LDEF
16 p2715 N91-25030

LIANG, TE
A global pressure relaxation for high speed laminar and turbulent flows 02 p0210 N91-11177

LIANG, W.
Template synthesis of conducting polymers: Enhanced conductivity, enhanced supermolecular order, interesting microstructures
[AD-A229931] 12 p1872 N91-20287

LIANG, WENBIN
Template-synthesized polyacetylene fibrils show enhanced supermolecular order
[AD-A228596] 09 p1318 N91-17234

LIANG, ZHAOJUN
On the singular cycles of a class of quadratic systems with a third order fine focus
[REPT-90-79] 10 p1585 N91-18735

LIAO, CHENG-YOUNG
Alternating method applied to 3-D part-through crack problems, with application to the weight function method
02 p0221 N91-11238

LIAO, DAVID
Elastic behavior of 3-D braided composites under compressive loading 09 p1304 N91-17156

LIAO, J. J.
Mechanical properties, fracture behavior, and grain-boundary chemistry of B-doped NiAl
[DE90-015153] 02 p0277 N91-11558

LIAO, KUEN-LIANG
The application of an efficient rectangular finite element to the modeling of nonlinear electrothermal memory switching structures 09 p1394 N91-17670

LIAO, SEN-MAO
Experimental and theoretical examination of Filed Controlled Thyristors (FCTS)
[ETN-90-98178] 04 p0520 N91-12897

LIAO, Y.
Determination of thermodynamic and kinetic properties of grain boundaries using high temperature calorimetry
[DE91-015571] 21 p3600 N91-30031

LIAO, Y. X.
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115

LIAW, DER-CHERNG
Feedback stabilization via center manifold reduction with application to tethered satellites
17 p2740 N91-25164

LIAW, DER-GUANG LESLIE
Reliability study of uncertain structures using stochastic finite elements 22 p3744 N91-30859

LIBBEY, P. A.
Theories of turbulent combustion in high speed flows
[AD-A236652] 19 p3127 N91-27275

LIBBY, S. B.
Analogous behavior in the quantum hall effect, anyon superconductivity, and the standard model
[DE91-016609] 24 p4110 N91-32970

LIBELO, LOUIS F.
The normal mode E- and H-field distribution in the concentric spherical cavity
[AD-A225388] 03 p0358 N91-12003

LIBERKO, CHARLES A.
Mixed valence in conjugated anion radicals. Solution and solid state studies
[AD-A236428] 19 p3255 N91-28006

LIBERMAN, D. A.
Quantum mechanical effects on the shock Hugoniot
[DE91-014750] 20 p3364 N91-28636

LIBERMAN, EUGENE M.
Techniques and implementation of the embedded rule-based expert system using Ada
14 p2315 N91-22788

LIBERTI, G. L.
Rainfall estimation over oceans from scanning multichannel microwave radiometer and special sensor microwave/imager microwave data
[NASA-TM-104546] 22 p3710 N91-30646

LIBKIND, M. A.
Zonal deformable mirror for laser wavefront control
[DE91-017085] 24 p4023 N91-32483

LIBOFF, RICHARD L.
Design of submicron-scale compound semiconductor devices for optimum circuit performance
[AD-A227867] 07 p1075 N91-15914

LICATA, J. P.
The 1980 solar maximum mission event listing
[NASA-TM-4287] 18 p3091 N91-27087

LICEAGA, CARLOS A.
A general graphical user interface for automatic reliability modeling
[NASA-TM-104068] 21 p3554 N91-29745

LICHIENBERGER, D. L.
Chemical activation of molecules by metals: Experimental studies of electron distributions and bonding
[DE91-007695] 11 p1683 N91-19275

LICHON, PAUL G.
Arcjet endurance test program
[AD-A235232] 18 p2937 N91-26198

LICHT, H. H.
Combustion diagnostics of propellants with sandwich structure
[ISL-CO-212/89] 01 p0032 N91-10189

LICHTEN, S. M.
Demonstration of precise estimation of polar motion parameters with the global positioning system: Initial results 10 p1510 N91-18309

LICHTEN, STEPHEN M.
High precision applications of the global positioning system 15 p2540 N91-24073

LICHTENBELT, J. H.
Three-dimensional Marangoni convection (MASER 1) ESA 23 p3827 N91-31343

LICHTENBERG, ALLAN J.
Diffusion through stochastic webs in two and more dimensions 20 p3416 N91-28941

LICHTENBERG, B. K.
MIT/Canadian vestibular experiments on the Spacelab-1 mission. Part 1: Sensory adaptation to weightlessness and readaptation to one-g: An overview
17 p2821 N91-25587

LICHTENBERG, BYRON
A new accelerometer recording system for shuttle use
03 p0431 N91-12414

LICHTENBERGER, ARTHUR W.
SIS mixer research
[AD-A230167] 12 p1987 N91-20935

LICHTENBERGER, K. S.
Magnetic relaxation, flux pinning and, critical currents in superconductors
[DE91-012022] 18 p3073 N91-26984

LICHTENEGGER, JUERG
MOS-1 04 p0541 N91-12998

LICHTENSTEIN, SARAH
Retrieval of knowledge through algorithmic decomposition
[AD-A225667] 04 p0561 N91-13112
Creating algorithms as an aid to judgment, part 2
[AD-A225698] 04 p0561 N91-13113
Arithmetic skills in using algorithms
[AD-A226272] 04 p0564 N91-13129

LICHTENWALNER, D. J.
A review of basic phenomena and techniques for sputter-deposition of high temperature superconducting films
[DE91-006468] 09 p1416 N91-17795

LICHTIN, D. A.
Time-resolved mass and energy analysis
[AD-A235938] 19 p3244 N91-27941

LICHTIN, NORMAN N.
Photoassisted reaction of H2 with CO2 over solid catalysts
[AD-A231045] 13 p2050 N91-21282

LICKFIELD, G. C.
Thermoplastic coating of carbon fibers
[NASA-CR-188189] 14 p2251 N91-22454

LICKLIDER, R. A.
Hardware-in-the-loop simulation at the Naval Weapons Center 07 p1045 N91-15733

LICKLIDER, ROBERT A.
Artificial neural network implementation
[AD-D014663] 11 p1780 N91-19764

LIDHOLM, S. U.
Assessment of DFT strategies
24 p3991 N91-32301

LIDINSKY, W.
Future prospects for networking in the United States
[DE91-017359] 24 p4090 N91-32849

LIDOV, M. L.
Evolution of some types of Earth satellite orbits
18 p2930 N91-26163

LIDWELL, WILLIAM
PC tools for project management: Programs and the state-of-the-practice
[NASA-CR-187392] 04 p0558 N91-13094

LIEBE, H. J.
Atmospheric 60-GHz oxygen spectrum: Modeling and laboratory measurements
[PB91-172809] 19 p3187 N91-27626

LIEBERMAN, MICHAEL
Joint services electronics program
[AD-A232855] 16 p2620 N91-24503

LIEBERT, CURT H.
Heat flux measurement in SSME turbine blade tester
[NASA-TM-103274] 02 p0216 N91-11205
Method of producing a plug type heat flux gauge
[NASA-CASE-LEW-14967-2] 15 p2430 N91-23460
Calibrator tests of heat flux gauges mounted in SSME blades 16 p2584 N91-24321
Plug-type heat flux gauge
[NASA-CASE-LEW-14967-1] 23 p3874 N91-31608

LIEBERT, J.
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A
09 p1442 N91-17949

LIEBETRAU, A. M.
Methods for estimating the uncertainty of climate change effects in a crop model
[DE91-011238] 17 p2808 N91-25525

LIEBETRAU, S. F.
Communicating success: Writing about technology transfer
[DE91-013994] 20 p3440 N91-29092

LIEBSCH, E. J.
Multiple-Aircraft Instantaneous Line Source (MAILS) dispersion model user's guide
[DE91-010448] 16 p2655 N91-24693

LIEFER, RANDALL KEITH
Fighter agility metrics 23 p3789 N91-31128

LIEGEOIS, J.-M.
Simulation of physico-chemical properties during the cure of thermoset systems 03 p0330 N91-11841

LIEH, JUNGHSEN
Computerized symbolic closed-form dynamics and control analysis of hybrid rigid and elastic multibody systems 15 p2443 N91-23532

LIEHR, M.
Chemistry of fluorine in the oxidation of silicon
[AD-A234959] 18 p2949 N91-26272
Surface etching and roughening in integrated processing of thermal oxides
[AD-A234960] 18 p2980 N91-26456

LIEN, DAVID J.
Comparison of P/Brorsen-Metcalf and P/Halley in the thermal infrared 12 p2004 N91-21027

LIEN, MARY M.
OCM and impedance analysis of polypyrrole
[AD-A229185] 09 p1310 N91-17190

LIEN, REN-CHIEH
Normal mode decomposition of small-scale oceanic motions 20 p3377 N91-28709

LIENAU, P. J.
Direct use R/D assistance
[DE91-009976] 15 p2526 N91-23999

LIENESCH, J. H.
Evaluation of the GOES 1-M normalization technique with the visible images of GOES-7
[AD-A227462] 08 p1103 N91-16055
LIENESCH, JAMES H.
SBUV/2 in-orbit performance
11 p1731 N91-19517
LIENEWEG, U.
Test chips and ASIC qualification
24 p3995 N91-32327
LIEPINS, G. E.
The apGA: An Adaptive Parallel Genetic Algorithm
[DE91-009559] 20 p3383 N91-28741
LIEPINS, GUNAR E.
A unified framework for credit assignment
[DE90-011636] 02 p0258 N91-11434
LIEPMANN, DORIAN
The near-field dynamics and entrainment field of submerged and near-surface jets
17 p2775 N91-25357
LIERKE, E. G.
Drop evaporation in a single-axis acoustic levitator
13 p2063 N91-21356
A new, simple electrostatic-acoustic hybrid levitator
13 p2065 N91-21369
Acoustic positioning of a molten alloy sample (TEXUS 1)
23 p3850 N91-31464
Acoustic positioning (TEXUS 9) ESA
23 p3850 N91-31465
Acoustic positioning (TEXUS 14b) ESA
23 p3850 N91-31467
Electrostatic positioning for containerless processing of a Li-silicate glass (TEXUS 10) ESA
23 p3851 N91-31469
LIERKE, ERNST G.
Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU]
06 p0870 N91-14808
LIESKE, ROBERT F.
Use of the Magnus force in the modified point mass trajectory model
[AD-A228194] 08 p1091 N91-15990
LIEWER, PAULETT C.
Hypercube technology 14 p2355 N91-23025
LIFF, DALE R.
Versatile, low-cost, computer-controlled, sample positioning system for vacuum applications
[NASA-CR-187144] 24 p3981 N91-32237
LIFFMAN, KURT
Stochastic histories of dust grains in the interstellar medium 06 p0904 N91-14998
LIFSHITZ, S.
Suppression of biodynamic interference in head-tracked teleoperation
[NASA-TM-103833] 13 p2024 N91-21134
LIGHT, BONNIE
One-dimensional translation measurement of speckle from rough rotating objects in ultraviolet illumination
[AD-A233719] 18 p3063 N91-26919
LIGHT, R. M.
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012
LIGHTFOOT, P.
Excess oxygen defects in layered cuprates
[DE90-017669] 02 p0278 N91-11565
Ruddlesden-Popper phases $A(n+1)M(n)O(3n+1)$: Structures and properties
[DE91-011748] 21 p3591 N91-29973
LIGHTSEY, E. GLENN
On-board attitude determination and control algorithms for SAMPEX 09 p1291 N91-17095
LIGHTSTONE, LEONARD
Behaviour of the SIR for space-based DPCA radar under various spatial clutter distributions
[CRC-W7714-7-5271] 23 p3854 N91-31485
Pulse Doppler radar simulation study
[ASSGI-14SV-W7714-7-5353] 23 p3854 N91-31486
LIGUORER, JOSEPH
In-line load cell for flexible strength member materials
[AD-D014815] 16 p2647 N91-24654
LIIMATAINEN, JARI
Fatigue resistance of a cast component
07 p1017 N91-15586
LIJOI, BRUNO
Avioptic plug-in interconnection
[PATENT-1-254-415] 23 p3927 N91-31946
LILEG, KLEMENS
Numeric solution of the electric field integral equation using Galerkin's method for axisymmetric cases
[DLR-FB-90-58] 22 p3663 N91-30394
LILIENTAL-WEBER, Z.
InGaAs/GaAs graded superlattices in photodetectors for wavelengths beyond 1 micron
[DE90-012073] 21 p3590 N91-29969
LILJEGREN, LUCIA M.
An experimental study of the effect of small particles on the fluid turbulence in fully developed flow of air in a horizontal pipe 20 p3345 N91-28525
LILJENDAHL, M.
Soldering in microgravity (TEXUS 5)
23 p3849 N91-31462
LILJESTROEM, TARJA
H I and dust in the high latitude dark cloud L1642
06 p0895 N91-14946
LILLARD, R. S.
The use of a scanning electrochemicl impedance spectroscopy technique to investigate localized corrosion
[DE91-006918] 13 p2053 N91-21296
LILLBERG, J. W.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
LILLEVIK, SIG
Touchstone project: Milestone event Q4
[AD-A224034] 02 p0264 N91-11480
LILLEY, G. M.
Appraisal of the suitability of turbulence models in flow calculations: A UK view on turbulence models for turbulent shear flow calculations 24 p4016 N91-32450
LILLEY, J. R., JR.
Polar code validation
[AD-A230138] 12 p1854 N91-20186
LILLEY, ROBERT W.
Investigation of air transportation technology at Ohio University, 1989-1990 11 p1637 N91-19028
LILLIE, BRIAN J.
The importance of momentum transfer in collision-induced breakups in low Earth orbit
12 p1950 N91-20730
LILLINGTON, D.
Production status of GaAs/Ge solar cells and panels
22 p3632 N91-30212
LILLINGTON, D. R.
Progress toward the development of dual junction GaAs/Ge solar cells 11 p1666 N91-19184
LIM, BENG-HONG
Waiting algorithms for synchronization in large-scale multiprocessors
[AD-A234985] 18 p3038 N91-26764
APRIL: A processor architecture for multiprocessing
[AD-A237476] 21 p3553 N91-29739
LIM, BRIAN Y.
Dead-blow hammer design applied to a calibration target mechanism to dampen excessive rebound
16 p2639 N91-24606
LIM, E. C.
Dynamics of charge-transfer excited states relevant to photochemical energy conversion
[DE91-012669] 20 p3366 N91-28649
Dynamics of charge-transfer excited states relevant to photochemical energy conversion
[DE91-017710] 24 p4041 N91-32578
LIM, HAROLD H.
Remote sensing of Earth terrain
[NASA-CR-186904] 06 p0839 N91-14635
LIM, HEOUNGBIN
Fundamental studies of the extraction process in inductively coupled plasma mass spectrometry
[DE90-011733] 21 p3584 N91-29939
LIM, HONG S.
Destructive physical analysis results of Ni/H2 cells cycled in LEO regime
[NASA-TM-104382] 15 p2391 N91-23233
LIM, K. C.
Applications research studies on microtubules
[AD-A228756] 08 p1128 N91-16205
LIM, RICHARD A.
Support for thermally expanding conical heatshield
[AD-D014718] 12 p1861 N91-20225
LIM, SAMUEL
Concatenated coding with two levels of interleaving
16 p2615 N91-24477
LIM, SANG GYU
A system-approach to the elastohydrodynamic lubrication point-contact problem
[NASA-TM-104342] 15 p2426 N91-23439
LIM, TEIK CHIN
Vibration transmission through rolling element bearings in geared rotor systems
[NASA-CR-4334] 11 p1714 N91-19435
LIMA, J.
Inhomogeneous two-fluid cosmologies with electromagnetic field
[DE90-634868] 03 p0425 N91-12383
LIMBERG, H.
Heat transfer to turbulent and laminar falling liquid films
[DE91-011342] 17 p2777 N91-25370
LIMBOURG-FONTAINE, M. C.
Influence of a surface tension minimum on the Marangoni effect (TEXUS 8) ESA
23 p3825 N91-31338
Influence of a surface tension minimum on the Marangoni effect (TEXUS 9) ESA
23 p3826 N91-31339
Influence of a surface tension minimum on the Marangoni effect (TEXUS 19) ESA
23 p3826 N91-31340
LIMON, M.
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
LIN, ANTHONY T.
Computer simulations of radiation generation from relativistic electron beams
[AD-A228969] 09 p1396 N91-17683
LIN, C. S.
Self-pressurization of a flightweight liquid hydrogen storage tank subjected to low heat flux
[NASA-TM-103804] 12 p1878 N91-20324
SEPAC data analysis in support of the environmental interaction program
[NASA-CR-188179] 16 p2564 N91-24217
A numerical study of the direct contact condensation on a horizontal surface
[NASA-TM-104432] 16 p2627 N91-24548
LIN, C.-S.
A pressure control analysis of cryogenic storage systems
[NASA-TM-104409] 16 p2611 N91-24460
LIN, CHIH
Fracture analysis of cathodic delamination in rubber-to-metal bonds 06 p0837 N91-14627
LIN, CHIN S.
SEPAC data analysis in support of the environmental interaction program
[NASA-CR-184028] 05 p0684 N91-13807
SEPAC data analysis in support of the environmental interaction program
[NASA-CR-184201] 24 p4041 N91-32579
LIN, D. L.
Surface-induced optical bistability in coupled exciton-phonon systems
[AD-A228833] 09 p1411 N91-17764
Transient dynamics in excitonic optical bistability in polymers
[AD-A229901] 12 p1872 N91-20286
Critical behavior in magnetic superlattices
[AD-A231327] 13 p2162 N91-21925
Interface-Phonon-Mediated magnetopolaronic effect on impurity transition energies in quantum wells
[AD-A232390] 16 p2694 N91-24913
Trimodal random-field Ising systems in a transverse field
[AD-A235038] 18 p3055 N91-26875
Polaron ground state in a double heterostructure of polar crystals
[AD-A235037] 18 p3070 N91-26963
LIN, D. N. C.
Thermal instabilities in protogalactic clouds
05 p0753 N91-14195
Star formation in proto dwarf galaxies
05 p0757 N91-14212
LIN, FENG-LING C.
Performance of an angle-of-arrival estimator in the presence of a mainbeam interference source
[AD-A239629] 23 p3857 N91-31508
LIN, H. C.
Direction discriminating hearing aid system
14 p2356 N91-23029
LIN, H. T.
Development of toughened ceramics for elevated temperatures
[DE91-015923] 23 p3819 N91-31301
LIN, HSIANG HSI
Comparison of analysis and experiment for dynamics of low-contact-ratio spur gears
[NASA-TM-103232] 14 p2271 N91-22586
LIN, HUNG C.
Visual aid for the hearing impaired
[NASA-CASE-GSC-13027-1-CU]
19 p3169 N91-27522
LIN, J. S.
Cocrystallization in blends of poly(butylene terephthalate) and poly(ester-ether) segmented block copolymers
[DE91-012224] 20 p3329 N91-28438
LIN, J. T.
Use of electrical impedance imaging in two-phase, gas-liquid flows
[DE91-015914] 21 p3517 N91-29531

LIN, JIANN
Partial oxidation of light alkanes in transition-metal ion containing zeolites
[DE91-008202] 18 p2944 N91-26243
LIN, KUO-CHI
The use of function generation in the real-time simulation of stiff systems 10 p1534 N91-18446
LIN, M.-X.
Multi-spectral window radiance observations of Cirrus from satellite and aircraft, November 2, 1986 Project FIRE 01 p0078 N91-10465
LIN, R. P.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010
LIN, RENG RONG
Active vibration control of rotorbearing systems utilizing piezoelectric pushers 16 p2643 N91-24631
LIN, ROBERT
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
LIN, S. K.
Ground-state in-plane light-holes in GaAs/AlGaAs structures
[DE91-016408] 23 p3933 N91-31980
LIN, S. Y.
Nonparabolic conduction bands and masses in strained-single-quantum wells
[DE90-017028] 02 p0277 N91-11560
Far-infared laser spectroscopy of two dimensional holes in strained-layer heterostructure and superlattices
[DE91-000027] 08 p1235 N91-16805
LIN, S.-J.
Numerical solutions of 2-D multi-stage rotor/stator unsteady flow interactions 13 p2013 N91-21070
LIN, SHU
Multi-level modulation codes and multi-stage decoding
[NASA-CR-186376] 03 p0350 N91-11953
On complexity of trellis structure of linear block codes
[NASA-CR-187397] 03 p0399 N91-12220
Concatenated coded modulation techniques
[NASA-CR-188216] 14 p2258 N91-22487
Multi-stage decoding for multi-level block modulation codes
[NASA-CR-188759] 22 p3727 N91-30747
Multi-dimensional modulation codes for fading channel
[NASA-CR-188959] 24 p3989 N91-32288
LIN, SHYNG-HER
Dynamic modeling, property investigation, and adaptive controller design of serial robotic manipulators modeled with structural compliance
[NASA-CR-187678] 05 p0670 N91-13722
Dynamic modeling, property investigation, and adaptive controller design of serial robotic manipulators modeled with structural compliance 22 p3685 N91-30520
LIN, STEVEN H.
High-gain AlGaAs/GaAs double heterojunction Darlington phototransistors for optical neural networks
[NASA-CASE-NPO-18101-1-CU]
17 p2864 N91-25841
LIN, T. D.
Lunar cement and lunar concrete
17 p2915 N91-26093
LIN, T. L.
Novel Si(1-x)Ge(x)/Si heterojunction internal photoemission long wavelength infrared detectors
06 p0797 N91-14401
LIN, TING-TING Y.
Fault tolerance in opto-electronic computing
[AD-A235881] 19 p3225 N91-27825
LIN, TRUE-LON
Laterally stacked Schottky diodes for infrared sensor applications
[NASA-CASE-NPO-17426-1-CU]
13 p2076 N91-21434
LIN, TSUNG-CHIEH
Recursive linearization of multibody dynamics and application to control design 20 p3356 N91-28588
LIN, TUNG-HUA
Development of a micromechanic theory of constitutive relations of polycrystalline solids
[AD-A232697] 15 p2448 N91-23559
LIN, TZER-YUAAN
A multiple frames of reference approach to aeroelastic computations: Application to airfoil flutter analysis
09 p1272 N91-16995
LIN, XIN-TIAN
Computer determinations of the properties of waveguide loaded cavities
[DE91-000463] 04 p0514 N91-12855
LIN, Y.-S.
Test chips and ASIC qualification
24 p3995 N91-32327
LINCE, J. R.
Resonant photoelectron spectroscopy at the Mo 4p yields 4d absorption edge in MoS2
[AD-A235469] 19 p3123 N91-27251
LINCOLN, CRAIG WALTER
Coalescing binary systems of compact objects to (post) sup 5/2 Newtonian order: Late-time evolution and gravitational radiation emission
24 p4122 N91-33037
LINCOLN, DAVID T.
User documentation for the MSK and OMS intelligent tutoring systems
[NASA-CR-188815] 24 p4085 N91-32823
LINCOLN, JOHN W.
Proceedings of the 1989 Structural Integrity Program Conference
[AD-A225541] 03 p0314 N91-11757
LINCOLN, R. C.
Tritium-field betacells
[DE91-014666] 21 p3579 N91-29910
LIND, A. R.
Enhancing the tolerance to Gz(+) acceleration by optimizing the use of isometric contractions in combination with straining maneuvers
[AD-A230454] 12 p1933 N91-20639
LIND, ARTHUR C.
Nuclear magnetic resonance nondestructive evaluation of composite materials
[AD-A225268] 03 p0335 N91-11882
LIND, DON
Instellar Gas Experiment (IGE): Testing interstellar gas particles to provide information on the processes of nucleosynthesis in the big bang stars and supernova
[NASA-CR-186713] 05 p0733 N91-14097
The Interstellar Gas Experiment (IGE)
16 p2713 N91-25015
LIND, M. A.
Noncontact small-diameter-bore gauge
[AD-A235675] 19 p3167 N91-27513
LIND, M. DAVID
Results of the TTF-TCNQ- and the calcium carbonate-crystallization on the Long Duration Exposure Facility 16 p2725 N91-25093
LINDAMOOD, G. R.
A seven patch hexagonal CP subarray with a CPW/stripline feed network
[NASA-TM-103802] 12 p1892 N91-20406
LINDAU, I.
Beam line and associated work
[AD-A231243] 13 p2153 N91-21867
LINDBERG, C. A.
UHF polarization characteristics of LES-8/9
[AD-A230733] 12 p1856 N91-20199
LINDBERG, M.
Theory of semiconductor laser feedback instability
[DE91-008198] 13 p2091 N91-21512
LINDBERG, STEVEN E.
Acidic deposition and the environment
[DE91-002352] 05 p0685 N91-13812
LINDBLOM, JOAKIM F.
The ultra high resolution XUV spectroheliograph: An attached payload for the Space Station Freedom
[NASA-CR-184156] 14 p2235 N91-22365
LINDBLOM, JOAKIM FREDRIK
Soft x ray/extreme ultraviolet images of the solar atmosphere with normal incidence multilayer optics
15 p2527 N91-24006
LINDE, G. J.
A high data rate communications system using long pulses
[AD-D014947] 21 p3501 N91-29430
LINDE, PETER
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
Enhancing IUE spectrophotometry: A case study of Beta Hydri 09 p1447 N91-17982
An accurate registration technique for distorted images 09 p1448 N91-17986
LINDEGREN, L.
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
LINDEMUTH, I. R.
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Future explosive pulse-power technology for high-energy plasma physics experiments
[DE91-014601] 21 p3587 N91-29951
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
The promise of magnetized fuel: High gain in inertial confinement fusion
[DE91-016321] 24 p4105 N91-32937
LINDEN, SHWN-MEEI
Chemical synthesis study of deuterated epoxy resins
[AD-A234666] 18 p2963 N91-26355
LINDER, B. L.
Path characterization algorithms for FASCODE
[AD-A231914] 14 p2307 N91-22749
LINDER, F.
Summary of EEE component anomalies encountered in the SPOT line of Earth observation satellites and lessons derived therefrom for future generations
24 p4001 N91-32367
LINDER, W. KELLY
Measured space environmental effects to LDEF during retrieval 16 p2706 N91-24976
LINDGREN, E. A.
Characterization of elastic properties of interfaces in composite materials
[AD-A228119] 07 p0973 N91-15340
LINDH, K.
A veto detector for discrimination of charged particles
[USIP-90-02] 07 p1066 N91-15864
LINDLEY, BRUCE
Liquid hydrogen turbopump ALS advanced development program. Volume 1: Hot fire unit
[NASA-CR-187035] 19 p3172 N91-27539
LINDNER, BERNHARD LEE
The hemispherical asymmetry of the residual polar caps on Mars
[NASA-CR-188100] 12 p2008 N91-21051
An efficient and accurate technique to compute the absorption, emission, and transmission of radiation by the Martian atmosphere 14 p2350 N91-22995
LINDNER, J. S.
Performance characteristics of an MHD (Magnetohydrodynamic) pilot plant electrostatic precipitator
[DE91-007218] 11 p1804 N91-19905
LINDQUIST, DANA R.
Generation and use of unstructured grids for turbomachinery calculations 13 p2012 N91-21064
LINDQVIST, M.
Proceedings of the symposium Astrophysical Processes and Structures in the Universe
[PB91-123653] 11 p1819 N91-19993
LINDSAY, A. C.
A general lease-squares fitting package for the sun workstation
[AD-A238180] 21 p3568 N91-29837
LINDSAY, C. E.
An evaluation programme for the capability approval of GaAs MMICs 24 p3992 N91-32303
High performance packages for space applications: Review of packaging and assembly methods for long wavelength laser diodes 24 p3994 N91-32318
LINDSAY, JOHN F.
The evolution of the Amadeus Basin, central Australia
19 p3191 N91-27648
New evidence for ancient metazoan life in the late Proterozoic Heavitree, Amadeus Basin, central Australia
19 p3193 N91-27654
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
Sequence stratigraphy of the latest Proterozoic-Cambrian Pertaoorrta Group, northern Amadeus Basin, central Australia
19 p3194 N91-27660
LINDSAY, RICHARD W.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
LINDSAY, S. M.
Microwave resonances in DNA
[PB90-261520] 09 p1370 N91-17529
LINDSAY, TIMOTHY CLARK
Designing composite structures for low-velocity impact
[AD-A225217] 03 p0335 N91-11880
LINDSEY, E.
Damage assessment and possible damage mechanisms to 1-meter diameter Nova turning mirrors
[DE90-016473] 01 p0047 N91-10278
LINDSTROM, ERIC R.
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532
LINDSTROM, KENNETH W.
DoD's technical information publishing: A strategy for evolution
[AD-A235749] 19 p3261 N91-28034
LINEBERRY, J. T.
An innovative demonstration of high power density in a compact MDH (magnetohydrodynamic) generator
[DE91-005526] 10 p1601 N91-18630
LINFIELD, R. F.
Telecommunications networks: Services, architectures, and implementations
[PB91-151852] 16 p2617 N91-24486

LING, A.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
LING, CHRISTOPHER
AN/AIC-22(V) Intercommunications Set (ICS) fiber optic link engineering analysis report
[AD-A225830] 04 p0583 N91-13249
LING, HAO
Near field interaction of microwave signals with a bounded plasma plume
[NASA-CR-185358] 18 p3067 N91-26944
LING, J. X.
Analysis of the transient calibration of heat flux sensors: One dimensional case 16 p2584 N91-24323
LING, JAMES
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
LING, JER
Combined design of structures and controllers for optimal maneuverability 01 p0053 N91-10314
LING, LISA M.
Parametric entry corridors for lunar/Mars aerocapture missions
[NASA-TM-102178] 13 p2030 N91-21168
LING, S. C.
Optical instrumentation and study of gas-solid suspension flows
[DE91-005533] 10 p1526 N91-18401
LING, X. S.
Flux dynamics in a single crystal of Bi2Sr2CaCu2O(x)
[DE91-013763] 20 p3431 N91-29036
LINGNER, S.
Oxygen extraction from lunar soil by fluorination 17 p2903 N91-26032
LINGSCH, STEPHEN C.
Geometric rectification of high resolution airborne multispectral data
[AD-A230696] 12 p1917 N91-20548
Active/passive optical hydrography
[AD-A230697] 12 p1918 N91-20549
Glint removal from multispectral imagery over clear water
[AD-A230792] 12 p1918 N91-20551
LINK, H. F.
Conceptual design of an Open-Cycle Ocean Thermal Energy Conversion Net Power-Producing Experiment (OC-OTEC NPPE)
[DE90-000304] 02 p0229 N91-11282
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501
LINK, Y. Y.
A FORTRAN program for processing low speed wind tunnel test data for the JINDIVIK auxiliary intake
[AD-A230726] 12 p1958 N91-20770
LINKE-HOMMES, A.
Gravity perception by non-specialized structures 11 p1752 N91-19636
LINKOUS, R. L.
Thermal properties of polyisocyanurate foam board insulation blown with CFC-11 substitutes
[DE90-016047] 11 p1676 N91-19240
LINN, JEREMY DUNCAN MANWARING
The use of conformal mapping for the numerical solution of some fluid flow problems 09 p1333 N91-17323
LINNARSSON, DAD
Effects of short-lasting weightlessness on gas exchange during light exercise 11 p1741 N91-19573
LINNE, DIANE L.
Material processing with hydrogen and carbon monoxide on Mars
[NASA-TM-104405] 15 p2457 N91-23616
Carbon monoxide and oxygen combustion experiments: A demonstration of Mars in situ propellants
[NASA-TM-104473] 16 p2580 N91-24303
Production and use of metals and oxygen for lunar propulsion
[NASA-TM-105195] 21 p3466 N91-29222
Technical prospects for utilizing extraterrestrial propellants for space exploration
[NASA-TM-105263] 23 p3821 N91-31318
LINSE, DENNIS J.
Neural networks in nonlinear aircraft control 11 p1639 N91-19037
System identification for nonlinear control using neural networks 11 p1639 N91-19039
LINSKY, J. L.
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
The intrinsic H I Lyman-alpha line profiles of late-type stars 09 p1437 N91-17920
LINSKY, JEFFREY L.
Computing and data processing 24 p4120 N91-33028
LINTON-PETZA, MAGGIE
An analysis of the moon's surface using reflected illumination from the earth during a waning crescent lunar phase 19 p3272 N91-28101
LINTON, R. C.
Characterization of a 5-eV neutral atomic oxygen beam facility 12 p1952 N91-20736
LINTON, ROGER C.
Atomic oxygen stimulated outgassing 16 p2715 N91-25026
LINTZ, ANDREW L.
Propulsion simulation for magnetically suspended wind tunnel models
[NASA-CR-182093] 02 p0182 N91-11027
LIOU, JIANNTYNG JAMES
Finite element solution techniques for the vorticity-stream function formulation of two-dimensional incompressible flows 08 p1145 N91-16302
LIOU, K. N.
Interpretation of satellite-measured bidirectional reflectance from Cirrus cloudy atmospheres 01 p0079 N91-10470
Development and verification of a physical cloud-moisture model for use in general circulation models
[AD-A234751] 18 p3014 N91-26643
LIOU, M.-S.
Navier-Stokes analysis of transonic cascade flow
[NASA-TM-103624] 02 p0213 N91-11192
Implicit solution of three-dimensional internal turbulent flows 13 p2015 N91-21082
LIOU, MAY-FUN
Parallel computing using a Lagrangian formulation
[NASA-TM-104446] 16 p2665 N91-24745
LIOU, MENG-SING
Flux splitting algorithms for two-dimensional viscous flows with finite-rate chemistry 02 p0154 N91-10894
Numerical study of unsteady shockwave reflections using an upwind TVD scheme
[NASA-TM-103251] 03 p0301 N91-11676
Chemical reacting flows 12 p1837 N91-20098
Transonic cascade flow calculations using non-periodic C-type grids 13 p2013 N91-21071
A new flux splitting scheme
[NASA-TM-104404] 14 p2320 N91-22814
High-Order Polynomial Expansions (HOPE) for flux-vector splitting
[NASA-TM-104452] 17 p2847 N91-25739
LIOU, W. W.
Wave models for turbulent free shear flows 13 p2015 N91-21086
A comparison of numerical methods for the Rayleigh equation in unbounded domains
[NASA-TM-105179] 22 p3744 N91-30865
LIOU, WILLIAM WHAI-WAI
Weakly nonlinear models for turbulent free shear flows 22 p3673 N91-30452
LIPELES, R. A.
Conversion of alkoxide solutions to oxides: Evaporation of products
[AD-A226927] 06 p0805 N91-14442
LIPFERT, F. W.
Analysis of high frequency surface-induced concentration fluctuations
[DE91-007561] 11 p1734 N91-19538
The NAPAP assessment of damages to materials from acid deposition
[DE91-008086] 11 p1735 N91-19542
Free-air carbon dioxide enrichment: A new approach to research on carbon exchange processes
[DE91-012074] 18 p3008 N91-26609
The impact of atmospheric damage to materials on consumers: News you can use
[DE91-012075] 18 p3008 N91-26610
LIPKE, DAVID W.
Operational SATCOM: Moving from trials to service 24 p3957 N91-32111
LIPKOWSKI, J.
An examination of the relationship between Surface Enhanced Raman Scattering (SERS) intensities and surface concentration for pyridine adsorbed at the polycrystalline gold/aqueous solution interface
[AD-A224801] 03 p0344 N91-11925
Adsorption of pyridine at the Au(111)-solution intererface
[AD-A233347] 16 p2598 N91-24399
LIPO, THOMAS A.
System and component design and test of a 10 hp, 18,000 rpm AC dynamometer utilizing a high frequency AC voltage link, part 1
[NASA-CR-188442] 20 p3348 N91-28539
LIPOSKY, PAUL J.
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532
LIPPI, GIAN LUCA
Experimental and theoretical studies of the dynamics of two-mode lasers 22 p3682 N91-30503
LIPPMANN, RICHARD P.
A physiologically motivated front end for speech recognition
[AD-A233727] 18 p2973 N91-26414
Using genetic algorithms to select and create features for pattern classification
[AD-A235165] 18 p3042 N91-26792
A comparative study of the practical characteristics of neural network and conventional pattern classifiers
[AD-A235345] 18 p3042 N91-26795
LIPPMANN, S.
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19681
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
Recent gaseous divertor experiments in DIII-D
[DE91-011139] 17 p2867 N91-25859
LIPPOLD, RENO T.
A performance analysis of the USAF work information management system
[AD-A229788] 12 p1994 N91-20979
LIPSCHITS, M. I.
Body proprioceptive references in weightlessness as studied by muscle tendon vibration 11 p1742 N91-19581
Gaze control and spatial memory in weightlessness 11 p1762 N91-19692
Mental rotation of three-dimensional shapes in microgravity 11 p1762 N91-19694
LIPSKI, A.
SSC dipole magnet measurement and alignment using laser technology
[DE90-014881] 01 p0047 N91-10281
LIS, DARIUSZ C.
Dust emission in the Sagittarius B2 molecular cloud core 06 p0895 N91-14947
LIS, STEVEN A.
Ultra-dense optical mass storage
[AD-A232767] 15 p2509 N91-23905
LISANO, MICHAEL E., II
Thermal Storage Advanced Thruster System (TSATS) Experimental Program
[NASA-CR-187095] 09 p1301 N91-17138
LISCINSKY, D. S.
Experimental study of cross-stream mixing in a cylindrical duct
[NASA-TM-105180] 21 p3459 N91-29187
LISEAU, RENE
UV observations of Herbig-Haro objects associated with bipolar molecular outflows: HH 7, HH 11 and HH 29
[IFSI-90-9] 01 p0139 N91-10819
LISENSKY, GEORGE C.
Chemical sensing applications of semiconductor photoluminescence
[AD-A235935] 19 p3252 N91-27993
LISOWSKI, P. W.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
New techniques in neutron data measurements above 30 MeV
[DE91-013690] 20 p3403 N91-28861
LISSENDEN, C. J.
Inelastic response of metal matrix composites under biaxial loading 19 p3131 N91-27295
LIST, R. S.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
Photoemission measurement of Fermi surface, band dispersion, and quasiparticle lifetime in YBa2Cu3O6.9
[DE91-015194] 21 p3593 N91-29989
LITCHFIELD, J. K.
Pyrite cathode material for a thermal battery
[AD-D014945] 21 p3508 N91-29475
LITMAN, TODD
High efficiency motor selection handbook
[DE91-006231] 10 p1519 N91-18363
LITOVCHENKO, V.
Long-term prediction test procedure for most ICs, based on linear response theory
[NASA-CR-185843] 18 p2981 N91-26462
LITT, JONATHAN S.
Tuning maps for setpoint changes and load disturbance upsets in a three capacity process under multivariable control
[NASA-TM-104419] 23 p3917 N91-31876

LITTKE, W.
Diffusion-controlled growth of protein single crystals: B-galactosidase (TEXUS 3) 23 p3836 N91-31395
Diffusion-controlled growth of protein single crystals: Investigation of B-galactosidase at low temperature (TEXUS 4) 23 p3837 N91-31396
Diffusion-controlled growth of single crystals of protein (TEXUS 5) 23 p3837 N91-31397
LITTLE, B. J.
Mineralogical fingerprints for corrosion processes induced
[AD-A229840] 14 p2245 N91-22417
LITTLE, BRENDA J.
Microbiologically influenced corrosion in copper and nickel seawater piping systems
[AD-A229874] 11 p1685 N91-19287
LITTLE, JILL
Atomic layer epitaxy of silicon, silicon/germanium, and silicon carbide via extraction/exchange processes
[AD-A231348] 13 p2163 N91-21927
LITTLE, JOHN W.
Electrooptical quantum wells
[AD-A226102] 04 p0592 N91-13307
LITTLE, R. C.
Coupled proton/neutron transport calculations using the S(sub N) and Monte Carlo methods
[DE91-009949] 14 p2326 N91-22849
LITTLE, TOM HARVEY
Search for regularities in the atmosphere of Jupiter
20 p3446 N91-29127
LITTLE, WILLIAM A.
Proceedings of an international conference on Organic Superconductors
[AD-A230241] 12 p1987 N91-20937
Development of a low noise 10K J-T refrigeration system
[AD-A231461] 13 p2068 N91-21393
LITTLEFIELD, R. J.
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785
Choosing processor array configuration by performance modeling for a highly parallel linear algebra algorithm
[DE91-012486] 20 p3384 N91-28749
LITTLEFIELD, RICHARD J.
Efficient iteration in data-parallel programs with irregular and dynamically distributed data structures
[DE91-000417] 03 p0401 N91-12233
LITTLEJOHN, M. A.
Workshop on MQW Mixing and Its Application to Optoelectronic Devices
[AD-A229205] 09 p1330 N91-17304
A theoretical search for supervelocity semiconductors
[AD-A228718] 09 p1411 N91-17763
LITTLER, CHRIS L.
Two-photon absorption characterization of HgCdTe
[AD-A225086] 03 p0423 N91-12368
LITTMAN, HOWARD
An automated system for measuring the mass flowrate of powders in transport lines
[AD-A225560] 03 p0366 N91-12053
LITVIN, F. L.
Local synthesis and tooth contact analysis of face-milled spiral bevel gears
[NASA-TM-105182] 21 p3528 N91-29600
LITVIN, FAYDOR L.
Straddle design of spiral bevel and hypoid pinions and gears
[NASA-TM-103621] 06 p0833 N91-14602
Local synthesis and tooth contact analysis of face-milled spiral bevel gears
[NASA-CR-4342] 11 p1714 N91-19439
Determination of real machine-tool settings and minimization of real surface deviation by computerized inspection
[NASA-CR-4383] 19 p3173 N91-27546
Computerized inspection of real surfaces and minimization of their deviations
[NASA-TM-103798] 19 p3176 N91-27558
How to determine spiral bevel gear tooth geometry for finite element analysis
[NASA-TM-105150] 22 p3689 N91-30537
LITZ, MARC S.
Electron-beam-pinch experiment at Harry Diamond Laboratories: Providing for a high-dose-rate flash x ray facility for Transient Radiation Effects on Electronics (TREE) testing of pieceparts
[AD-A239558] 23 p3799 N91-31193
LITZINGER, THOMAS A.
A study of the gas phase chemistry of solid propellants using a microprobe mass spectrometer (MPMS) system: Initial development of the MPMS system
[AD-A234839] 18 p2969 N91-26393
A study of the gas phase chemistry of solid propellants using a microprobe mass spectrometer (MPMS) system: Preliminary results for solid fuels (HTPB/Zecorez and BAMO/NMMO), single-base propellant (M10) and an RDX-Based propellant (BLX-9)
[AD-A234840] 18 p2970 N91-26394
LIU, A. H.
Microcomputer enhanced optical investigation of spreading and evaporative processes in ultra thin films
[DE91-005592] 10 p1608 N91-18875
LIU, ANTHONY S.
Geodetic positioning of the Aerospace Electronics Research Lab (ERL) Osborne Time Transfer Receiver (TTR) using the GPS NAVSTAR Block I satellites
17 p2853 N91-25773
LIU, C.
Magnetic properties of ultrathin epitaxial films of iron
[DE90-017861] 02 p0279 N91-11570
LIU, C. H.
Asymmetric supersonic flow around cones with noncircular sections 06 p0774 N91-14292
Supersonic quasi-axisymmetric vortex breakdown
[AIAA-91-3311-CP] 22 p3610 N91-30083
LIU, C. S.
Solitons and chaos in laser-plasma interaction
20 p3409 N91-28898
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
LIU, C. T.
Brittle fracture and ductility improvement in nickel and iron aluminides
[DE90-017319] 01 p0028 N91-10167
Mechanical properties, fracture behavior, and grain-boundary chemistry of B-doped NiAl
[DE90-015153] 02 p0277 N91-11558
Effect of aluminum concentration and boron dopant on environmental embrittlement in FeAl aluminides
[DE91-005450] 10 p1498 N91-18246
Environmental embrittlement of iron aluminides in moisture-containing atmospheres
[DE91-010149] 16 p2601 N91-24416
High-temperature ordered intermetallic alloys
[DE91-010927] 16 p2602 N91-24420
Environmental embrittlement of ordered intermetallic alloys at room temperature in moist atmospheres
[DE91-012051] 18 p2957 N91-26321
Microstructure and hardness of NiAl/Ni2AlX two-phase ordered intermetallic alloys
[DE91-012068] 18 p2958 N91-26323
Effect of boron addition on recrystallization and grain growth in Ni3Al polycrystals
[DE91-011966] 18 p3073 N91-26983
LIU, CHAN CHIANG
Detection of mining activities in the Yanomani Indian Reserve through LANDSAT-TM imagery
[INPE-5182-RPE/638] 15 p2456 N91-23609
Solar illumination geometry and its influence on the observance of geological structures in orbital imagery
[INPE-3424-PRE/687] 22 p3777 N91-31066
LIU, CHAO
Ion-transporting composite membranes. Part 3: Selectivity and rate of ion transport in Nafion (TM) impregnated gore-tex membranes prepared by a high temperature solution-casting method
[AD-A225837] 04 p0497 N91-12760
LIU, CHIAN
Ultra-thin vertical magneto-optical media and system for using same
[DE90-014589] 01 p0104 N91-10803
LIU, CHING SHYONG
The correlation of transient crack growth under small-scale-creep conditions 11 p1719 N91-19467
LIU, D.
Control and dynamics of a flexible spacecraft during stationkeeping maneuvers 14 p2228 N91-22324
LIU, DECHANG
Digital image integration technique of multiple geoscience information system and its application
[DE90-627893] 01 p0135 N91-10801
LIU, FUPING
The examination of dislocations in ice
[AD-A233716] 18 p3003 N91-26586
LIU, G. K.
Vibronic interaction and crystal structure distortion in Cm4(+):CeF4
[DE91-006093] 09 p1415 N91-17787
LIU, GINGER L.
Effect of temperature and oxygen on the strength of elastomers
[AD-A233535] 16 p2606 N91-24445
LIU, GUIMIN
Airborne electromagnetic sensing of sea-ice thickness
03 p0384 N91-12140
LIU, H. T.
Study of asymmetric supersonic jet flow for ejectors
[DE90-015598] 02 p0158 N91-10917
LIU, HOWARD T.
Dynamic resource allocation scheme for distributed heterogeneous computer systems
[NASA-CASE-NPO-17197-1-CU]
17 p2839 N91-25693
LIU, HUA-KUANG
Real time pre-detection dynamic range compression
[NASA-CASE-NPO-18098-1-CU]
15 p2507 N91-23890
Method and apparatus for second-rank tensor generation
[NASA-CASE-NPO-17512-1-CU]
18 p3062 N91-26918
LIU, I. Z.
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
LIU, J. C.
Study and development of tunable, single mode AlGaAs/GaAs lasers
[DE91-001684] 05 p0665 N91-13697
LIU, J. W. H.
A compute-ahead implementation of the fan-in sparse distributed factorization scheme
[DE91-000531] 07 p1053 N91-15781
LIU, J. Z
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
LIU, J. Z.
Critical current densities in neutron irradiated high-T(sub c) single crystals
[DE90-017794] 03 p0421 N91-12355
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989
LIU, JOSEPH W. H.
A comparison of three column-based distributed sparse factorization schemes
[AD-A228143] 07 p1052 N91-15776
LIU, JYH-CHARN
Study on fault-tolerant processors for advanced launch system
[NASA-CR-188955] 04 p0490 N91-12721
LIU, K.
Optimal controllers for finite wordlength implementation 14 p2227 N91-22316
LIU, K. C.
Low heat rejection diesel ceramic coupon tests
[DE91-000737] 07 p0984 N91-15401
Low heat rejection diesel ceramic coupon tests
[DE91-006274] 15 p2405 N91-23318
Tensile creep behavior and cyclic fatigue/creep interaction of hot-isostatically pressed Si3N4
[DE91-007182] 22 p3654 N91-30340
Tensile and cyclic fatigue properties of SiC whisker-reinforced Al2O3
[DE91-015916] 24 p3970 N91-32179
LIU, KATHY
A very high speed lossless compression/decompression chip set
[NASA-CR-188655] 19 p3216 N91-27775
LIU, KEFENG
Antenna pattern control using impedance surfaces
[NASA-CR-188801] 22 p3666 N91-30410
LIU, KEH-FEI
Research in theoretical nuclear physics
[DE90-010792] 08 p1239 N91-16828
LIU, NORLEY
A very high speed lossless compression/decompression chip set
[NASA-CR-188655] 19 p3216 N91-27775
LIU, R.
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979
LIU, S.
Shielded metal arc welding consumables for advanced high strength steels
[AD-A233376] 16 p2635 N91-24588
Infrared and Raman spectra of C60 and C70 solid films at room temperature
[AD-A237880] 21 p3506 N91-29462
LIU, S. C.
Parallel computations and control of adaptive structures 13 p2131 N91-21732
LIU, S. H.
Theory of bulk and interface constant phase elements in electrode-electrolyte systems
[DE91-007181] 11 p1679 N91-19255
Interlayer pairing and c-axis versus ab-plane gap anisotropy in high Tc superconductor
[DE91-012218] 20 p3426 N91-29005

LIU, SHENG-ANN
Finite element analysis for creep and rupture of nonlinear viscoelastic materials 19 p3179 N91-27576
LIU, TAI-PING
Nonlinear waves in mechanics and gas dynamics
[AD-A238340] 22 p3675 N91-30460
LIU, TIANXING
The luminosity scale of RR Lyrae stars using the Baade-Wesselink method 03 p0434 N91-12429
LIU, TSUEN-HSI
Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] 05 p0716 N91-13998
LIU, W.
Alopex optimization algorithm
[AD-A228442] 08 p1203 N91-16615
LIU, W. K.
Probabilistic finite elements for fracture and fatigue analysis 16 p2586 N91-24332
LIU, WING K.
Contact-impact algorithms for penetration studies
[AD-A231049] 14 p2304 N91-22733
LIU, WING KAM
Study of the influence of imperfections on the dynamic stability of tanks
[DE90-011094] 08 p1162 N91-16398
LIU, X.
Ex-situ and in-situ ellipsometric studies of the thermal oxide on InP
[AD-A231095] 13 p2051 N91-21283
LIU, XIN-TAO
Light particle emissions in heavy ion reactions
[DE91-010746] 15 p2504 N91-23871
LIU, XIUYUN
Array-typed, sealed-off mini tea CO2 laser
[AD-A234804] 18 p2990 N91-26511
LIU, Y.
Robust stability and performance for linear systems with structured and unstructured uncertainties
[AD-A225697] 04 p0572 N91-13177
A generalized Polak-Ribiere algorithm
[MATHS-REPT-A-128] 05 p0703 N91-13918
LIU, YUAN
Null values in definite programs
[AD-A232065] 15 p2524 N91-23992
LIU, YUAN-KWEI
Analysis of the Intel 386 and i486 microprocessors for the Space Station Freedom Data Management System
[NASA-TM-103862] 17 p2838 N91-25687
LIU, ZHAOQUAN
The content measurement of superconducting phase for high temperature superconducting oxide YBa2Cu3O(7-x)
[DE90-637631] 03 p0421 N91-12354
LIU, ZHILI
New image-tracking algorithm for fuzzy-relaxation matching of point patterns
[AD-A233506] 16 p2670 N91-24779
LIU, ZIQIANG
Design and analysis surface-climbing robot
[NIAR-91-19] 17 p2783 N91-25401
LIUBOVICH, S.
Electrophoretic and electrolytic deposition of ceramic particles on porous substrates
[AD-A227371] 06 p0813 N91-14488
LIVERMAN, DIANA M.
Climate and society in 20th century Mexico 19 p3183 N91-27600
LIVEZEY, ROBERT E.
January-February tropospheric climate for the Northern Hemisphere and the 11-year solar cycle, the QBO and the Southern Oscillation 03 p0443 N91-12479
LIVINGSTON, G. P.
Seasonal nitrous oxide flux from an intensively managed pasture in a humid subtropical ecosystem 19 p3267 N91-28071
LIVINGSTON, WILLIAM
Tracking atmospheric trace gases by spectroscopy from Kitt Peak 03 p0449 N91-12506
LIVINGSTON, WILLIAM C.
Secular change in equivalent width of C 5380, 1978-1990 03 p0448 N91-12502
LIVNE, ELIEZER
Integrated multidisciplinary optimization of actively controlled fiber composite wings 15 p2383 N91-23190
LIZANICH, P. J.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405
LJOENES, MARITA
Development of procedures for verification of alleged use of chemical warfare agents: Application of procedures after a simulated attack on an air base
[FFI-91/6006] 24 p3963 N91-32148
LJUNGGREN, STEN
Environmental noise from the Naesudden (Sweden) and Maglarp (Sweden) prototype wind turbines: A study of machinery noise
[FFA-TN-1990-34] 08 p1218 N91-16706
LLACER, J.
An emulator for the W. M. Keck 10 m telescope
[DE91-004286] 07 p1081 N91-15948
Analysis of the W. M. Keck Telescope primary mirror control loop
[DE91-004433] 07 p1081 N91-15949
LLAMES, RENE LIM
Performance analysis of garbage collection and dynamic reordering in a Lisp system
[NASA-CR-188205] 15 p2482 N91-23738
LLEWELLYN-JONES, D.
ATSR: Precise sea surface temperature from the ERS-1 satellite 15 p2454 N91-23601
LLEWELLYN, E. J.
Proposed reference models for atomic oxygen in the terrestrial atmosphere 19 p3190 N91-27643
LLORET, JEAN-CHRISTOPHE
Modeling and verification of distributed systems with labeled predicate transition nets
[LAAS-90215] 08 p1130 N91-16214
LLOYD, A. R. J. M.
Component local velocities of a ship along a defined axis
[ARE-TM(UHR)-91305] 24 p4012 N91-32424
LLOYD, CHARLES J.
The effects of display failures and symbol rotation on visual search and recognition performance
[AD-A235035] 18 p3033 N91-26743
The effects of line and cell failures on reading and search performance using matrix-addressable displays
[AD-A235947] 19 p3213 N91-27762
LLOYD, CHARLES W.
Medical evaluations on the KC-135 1990 flight report summary
[NASA-TM-104740] 24 p4077 N91-32776
Operation and performance of the Ciba-Corning 512 coagulation monitor during parabolic flight 24 p4078 N91-32780
Evaluation of aerosolized medications during parabolic flight maneuvers 24 p4078 N91-32783
ATLS-stowage and deployment testing of medical supplies and pharmaceuticals 24 p4079 N91-32785
Shuttle Orbiter medical system equipment/supplies evaluation 24 p4080 N91-32793
LLOYD, JOHN R.
A predictive method to describe the boiling behavior of refrigerant-oil mixtures
[AD-A235872] 19 p3125 N91-27262
LLOYD, S.
A transportable 50 kA dual mode lightning simulator 24 p4052 N91-32633
LO, CHI-KAI
A general purpose, comprehensive dynamics simulation of serial robot manipulators 21 p3526 N91-29587
LO, CHING F.
Engineering monitoring expert system's developer
[NASA-CR-187914] 11 p1780 N91-19765
LO, E.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
LO, G. A.
Magnetic resonance imaging studies of process rheology
[AD-A225814] 04 p0510 N91-12836
LO, H. R.
Epipolar geometry for trinocular active range-sensors
[OUEL-1850/90] 04 p0527 N91-12923
LO, K. K.
Picosecond time-resolved electron diffraction studies of laser heated metals
[DE91-016345] 24 p3975 N91-32207
LO, K. Y.
A relationship between the integrated CO intensity and the radio continuum emission in spiral galaxies 05 p0744 N91-14146
A high resolution CO map of M51 05 p0755 N91-14203
Dissociation and ionization of molecular gas in the spiral arms of M51 05 p0755 N91-14205
LO, K.-Y.
A multiwavelength survey of interacting galaxies 08 p1253 N91-16898
LO, R.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671
LO, R. Y.
Spatial analysis of IRAS observations of nearby spirals 05 p0741 N91-14133
LOAR, J. M.
Spatial and temporal variation in biomonitoring data
[DE91-007843] 11 p1734 N91-19539
LOBACHIK, V. I.
Adaptive responses in monkeys during two week space flight 11 p1754 N91-19645
LOBANOV, YU. YU.
Modelling of multidimensional quantum systems by the numerical functional integration
[DE91-007051] 10 p1589 N91-18763
LOBAO, X.
Design, implementation and evaluation of new fully automated algorithms for the extraction of cardiac parameters from 3D, 2D and M-mode echocardiograms 11 p1743 N91-19582
LOBB, D.
Medium Resolution Imaging Spectrometer (MERIS) 15 p2455 N91-23608
LOBB, D. R.
A medium resolution imaging spectrometer
[ETN-90-97967] 03 p0322 N91-11795
LOBEMEIER, PETER L.
Water surface temperatures from thermal satellite images 04 p0541 N91-13000
LOBL, E.
High resolution Microwave Spectrometer Sounder (HIMSS) instrument program. Appendix: TRMM study (an instrument for NASA's tropical rainfall measuring mission)
[NASA-CR-184162] 17 p2813 N91-25548
LOBO, JORGE
Generalized disjunctive well-founded semantics for logic programs
[AD-A232064] 15 p2486 N91-23765
LOBZIN, V. V.
Nonstationary processes in the front of high Mach number collisionless quasiperpendicular shock: Dynamics of the ion distribution 06 p0918 N91-15067
LOC, TAPHUOC
Numerical simulation of three dimensional unsteady flow by multiprocessor solving of the Navier-Stokes equations
[ETN-91-99974] 23 p3871 N91-31594
Automatic analysis of visualization negatives
[ETN-91-99971] 23 p3873 N91-31603
LOCATELLI, ARTURO
On the initialization problem in the design of structurally constrained digital regulators
[REPT-90-039] 15 p2484 N91-23749
LOCATELLI, J.
Validation of in-house and external software systems at Aerospatiale 16 p2645 N91-24640
LOCHNER, J. C.
A slit aperture for the Monitoring X ray Experiment (MOXE)
[DE91-013317] 21 p3518 N91-29538
LOCHNER, JAMES CHARLES
Chaos and random processes in the x ray variability of Cygnus X-1 04 p0610 N91-13393
LOCK, JAMES A.
The internal caustic structure of illuminated liquid droplets
[NASA-CR-187194] 24 p4021 N91-32474
LOCKE, C. D.
Generic avionics software specification
[AD-A235752] 19 p3221 N91-27802
LOCKE, C. DOUGLASS
Portable Common Execution Environment (PCEE) project review: Peer review
[NASA-CR-188016] 14 p2304 N91-22731
LOCKE, RANDY J.
Ultraviolet excimer laser-based ignition of H2/air and H2/O2 premixed flows
[AD-A226389] 04 p0529 N91-12934
Laser microplasma-gas chromatography detector. 2: Detection of species-specific fragment emission
[AD-A228373] 08 p1112 N91-16106
LOCKERBIE, M. D.
Proposed reference models for atomic oxygen in the terrestrial atmosphere 19 p3190 N91-27643
LOCKHART, JOHN C., JR.
Air-Surface-Missile data link system
[AD-D014920] 22 p3662 N91-30385
LOCKNER, T. R.
A refractive index gradient (RING) diagnostic for transient discharges or expansions of vapor or plasmas
[DE90-015840] 01 p0125 N91-10736
LOCKWOOD, G. W.
Some insights on solar variability from precision stellar astronomical photometry 03 p0440 N91-12458
LODAYA, MANIKANT D.
Design and simulation of an advanced airborne early warning system 17 p2733 N91-25136

LOEB, H.
A new, simple electrostatic-acoustic hybrid levitator
13 p2065 N91-21369
LOEFFLER, IRVIN J.
Inflight source noise of an advanced full-scale single-rotation propeller
[NASA-TM-103687] 11 p1640 N91-19045
LOEFFLER, ROLAND
Selection strategy and reliability assessment for SILEX-communication laser diodes
24 p3992 N91-32306
LOEHMAN, R. E.
Interactions at glass-ceramic to metal interfaces
[DE91-006630] 10 p1495 N91-18231
Reactive metal brazing of aluminum nitride
[DE91-010867] 17 p2759 N91-25277
Interfacial debonding in stainless steel/glass-ceramic seals
[DE91-011326] 17 p2763 N91-25295
LOEHNER, H.
Activities report of the Kernfysisch Versneller Institute
[ETN-91-98764] 10 p1595 N91-18803
LOEHNER, R.
Three dimensional unstructured grids for the solution of the Euler equations 02 p0154 N91-10893
A new weighted residual finite element method for computational electromagnetics in the time domain
[DE91-008741] 12 p1889 N91-20388
Electromagnetic PIC simulations using finite elements on unstructured grids
[DE91-015141] 21 p3589 N91-29962
LOEHNER, RAINALD
Electromagnetic particle codes on unstructured grids
[DE90-015187] 01 p0124 N91-10733
LOEHR, CYNTHIA A.
Recommended methods for statistical analysis of data containing less-than-detectable measurements
[DE91-006102] 10 p1544 N91-18499
LOESCHER, WALTER O.
Radar experiments data reduction, and experimental tests
[AD-A228583] 09 p1322 N91-17261
LOETTO, M. H.
Fibre-matrix reaction zones in model silicon carbide-titanium aluminide metal-matrix composites
[PNR-90713] 01 p0023 N91-10137
LOEVE, W.
Method base system and executive, tools for management and execution of software systems for CAE
[NLR-TP-89169-U] 22 p3765 N91-30986
Development of ISNaS: An information system for flow simulation in design
[NLR-TP-89025-U] 22 p3768 N91-31012
LOEW, G. A.
HEM(sub 11) modes revisited
[DE91-001028] 06 p0872 N91-14819
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
LOEWENSTEIN, MAX
Science requirements and feasibility/design studies of a very-high-altitude aircraft for atmospheric research
17 p2799 N91-25481
LOEWENSTEIN, MICHAEL
Origin and dynamics of emission line clouds in cooling flow environments 05 p0748 N91-14167
LOFARO, RONALD J.
A meta-analytic approach for relating subjective workload assessments with US Army Aircrew Training Manual (ATM) ratings of pilot performance
[AD-A230127] 12 p1932 N91-20633
The selection of an experimental test battery for aviator cognitive, psychomotor abilities, and personal traits
[AD-A231887] 14 p2300 N91-22710
LOFTIN, R. BOWEN
System and method for a general purpose architecture for intelligent computer-aided training
[NASA-CASE-MSC-21381-1] 05 p0707 N91-13944
Advanced training systems 09 p1279 N91-17034
Intelligent computer-aided training and tutoring
15 p2535 N91-24042
LOFTUS, WILLIAM P.
Software Technology for Adaptable, Reliable Systems (STARS) (user manual). Ada Command Environment (ACE) version 8.0 SunOS implementation
[AD-A229400] 22 p3725 N91-30729
LOGAN, C.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463
LOGAN, C. M.
Nuclear-spectroscopy computerized tomography scanners
[DE91-008447] 11 p1719 N91-19466
Proton Energy Loss (PEL) material characterization
[DE91-011545] 20 p3307 N91-28306
Continuum x ray gauging of multiple-element materials
[DE91-011923] 20 p3307 N91-28307
LOGAN, J. A.
Theoretical studies of long-range transport of oxidants
[PB91-182360] 21 p3539 N91-29661
LOGAN, R. T., JR.
Design of a fiber-optic transmitter for microwave analog transmission with high phase stability
03 p0354 N91-11976
LOGOTHETTI, DAVE
Elliptic integrals in the Minkowski plane
[AD-A236710] 19 p3236 N91-27895
LOGSDON, KIRK A.
Development of a vibration isolation prototype system for microgravity space experiments
[NASA-TM-103664] 11 p1693 N91-19324
LOGVINOVA, G. YU.
Higher harmonics of magnetization in the critical state of ceramic high Tc superconductors
[DE91-615506] 11 p1810 N91-19944
LOH, CHING YUEN
Parallel computing using a Lagrangian formulation
[NASA-TM-104446] 16 p2665 N91-24745
LOH, E.
Simulation of pore scale porous media flow using lattice gas methods
[DE91-004829] 18 p2986 N91-26484
LOH, E. Y., JR.
Competing electron-electron/electron-phonon interactions and polyacetylene
[DE91-011389] 19 p3240 N91-27921
LOHANICK, A. W.
Microwave signatures and physical characteristics of snow covered and desalinated young sea ice
[AD-A230736] 12 p1918 N91-20550
LOHF, WALTER
Iteration processes for the resolution of linear symmetric complementary problems and their utilization for quadratic programs
[ETN-90-98183] 04 p0566 N91-13144
LOHMANN, ULRICH G.
Plant biotechnology in space: Facts and speculations
11 p1757 N91-19664
LOHOEFER, G.
TEMPUS: First results 13 p2062 N91-21350
LOHR, J.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919
LOHR, J. M.
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
LOHRENZ, MAURA C.
The Navy standard compressed aeronautical chart database
[AD-A235340] 18 p3003 N91-26587
LOHRMANN, CAROL A.
An analysis of four error detection and correction schemes for the proposed Federal standard 1024 (land mobile radio)
[AD-A230308] 12 p1882 N91-20346
LOISEL, CRAIG L.
A study of the liquid-solid interface during rapid resolidification of cooper-titanium using molecular dynamics
[AD-A238634] 21 p3599 N91-30022
LOISEL, PATRICE
Solution of compressible time-dependent Navier-Stokes equations by Chebychev spectral methods
[ESA-TT-1160] 03 p0365 N91-12046
LOLLAR, LOUIS F.
Augmentation of the space station module power management and distribution breadboard
12 p1942 N91-20685
LOMANIEC, JACOB
Static capacity model for sealed nickel cadmium cells
[ITN-91-85144] 22 p3667 N91-30420
LOMANOV, GERMAN
Continued development urged for nuclear power sources for spacecraft 12 p1850 N91-20169
LOMAS, N. S.
An evaluation of low-frequency shock spectrum testing for INTELSAT 5/Ariane compatibility
07 p0956 N91-15260
LOMBARD, DAVID S.
Cost-effective use of liquid nitrogen in cryogenic wind tunnels, phase 2
[NASA-CR-182088] 07 p0946 N91-15188
LOMBARDI, M. A.
Time and frequency users manual, revised 1990
[PB91-107532] 09 p1394 N91-17669
LOMBARDINI, P. P.
Meteorological use of a space-borne SAR imaging the ocean surface 07 p0993 N91-15447
LOMBROZO, P. C.
Hybrid propulsion boosters for space launch vehicles
16 p2571 N91-24249
LOMDAHL, P. S.
Anelastic release from the shock-compressed state
[DE91-009961] 23 p3884 N91-31672
LOMINADZE, J. G.
On hydrodynamics of collisionless relativistic plasma in a strong magnetic field
[DE90-513926] 02 p0274 N91-11543
Hydrodynamics of collisionless relativistic plasma in a strong magnetic field 06 p0919 N91-15072
Amplification of Alfven waves in free shear flows
06 p0919 N91-15074
Experiments with collision of vortices in rotating and still free-surface shallow water 06 p0920 N91-15080
A model for one-sided extragalactic jets
06 p0922 N91-15097
LONDON, J.
Modeling solar Lyman alpha irradiance
03 p0444 N91-12483
LONDON, J. E.
High-performance capillary electrophoresis of histones
[DE91-008585] 13 p2049 N91-21275
LONDON, JULIUS
Cloud information for FIRE from surface weather reports 01 p0075 N91-10452
Wavelength dependence of solar rotation and solar cycle UV irradiance variations 03 p0448 N91-12500
Studies of the observed and theoretical variations of atmospheric ozone
[NASA-CR-187703] 06 p0843 N91-14657
LONDON, KEN W.
A generic multi-flex-body dynamics, controls simulation tool for space station 14 p2228 N91-22321
LONDON, R.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557
LONDON, R. A.
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
Coherent x ray lasers for applications
[DE91-006257] 10 p1528 N91-18416
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
Modal study of refractive effects on x ray laser coherence
[DE91-012083] 20 p3350 N91-28551
LONG, B.
General three-dimensional disturbances to inviscid Couette flow
[DE91-009593] 13 p2082 N91-21474
LONG, C. L.
Multivariation calibration techniques applied to NIRA (near infrared reflectance analysis) and FTIR (Fourier transform infrared) data
[DE91-008159] 14 p2327 N91-22856
LONG, CHARLES E.
Directional characteristics of waves in shallow water
[AD-A234568] 18 p3017 N91-26661
LONG, CORMAC S.
Assessment of p-metallisations for high power GaAs laser diodes 24 p3994 N91-32316
LONG, DOU
Sufficient comparison and modeling of forecasts
15 p2497 N91-23829
LONG, EDWARD R., JR.
Studies of molecular properties of polymeric materials
[NASA-TM-101854] 02 p0200 N91-11118
LONG, GREG S.
Optical performance of exposed solar cell covers
16 p2721 N91-25072
LONG, GREGORY LYNN
Singularity avoidance and the kinematics of an eight-revolute-joint manipulator
21 p3526 N91-29588
LONG, JOHN P.
Classifying software design methods
[AD-A226696] 06 p0859 N91-14745
LONG, KATHERINE S.
Site characterization for radar experiments
[AD-A230150] 12 p1881 N91-20343
LONG, KENWYN J.
Emerging applications of high temperature superconductors for space communications
[NASA-TM-103629] 03 p0414 N91-12317

LONG, MARSHALL B.
Nonlinear spectroscopy of multicomponent droplets and two- and three-dimensional measurements in flames
[AD-A238028] 21 p3476 N91-29277
LONG, MARTIN
Graphite fluoride fibers and their applications in the space industry
[NASA-TM-103265] 02 p0190 N91-11062
LONG, ROY H., JR.
Dual demodulating circuit tracer
[AD-D014941] 22 p3668 N91-30423
LONG, SHEILA ANN T.
Studies of molecular properties of polymeric materials
[NASA-TM-101854] 02 p0200 N91-11118
LONG, TREVA
Characterization of the glass transition using a microindenter
[AD-A232154] 15 p2398 N91-23282
Dissolution of Poly(p-hydroxystyrene): Molecular weight effects
[AD-A232155] 15 p2406 N91-23323
LONGAIR, M. S.
Radiatively-cooled telescopes for infrared space astronomy 13 p2180 N91-22048
LONGBOTHAM, HAROLD
Analysis of visual loss from retinal lesions
[AD-A235268] 18 p3030 N91-26729
LONGDON, NORMAN
An old legend - new science - Ulysses: Some questions on Ulysses and its payload answered
[ESA-BR-71] 03 p0439 N91-12455
Some papers from the Seminar Mirando al Espacio
[ESA-SP-309] 07 p0947 N91-15192
Symposium for Reimar Luest
[ESA-SP-325] 22 p3771 N91-31025
LONGHOFER, DENNIS L.
Designing aircraft structures for tolerance to fatigue damage 10 p1454 N91-18012
LONGHURST, G. R.
Thermogravimetric experiments with titanium
[DE91-010073] 17 p2759 N91-25271
Gas evolution from spheres
[DE91-012807] 20 p3343 N91-28510
Evidences of trapping in tungsten and implications for plasma-facing components
[DE91-012734] 20 p3418 N91-28951
LONGMAN, RICHARD W.
Passive dynamic controllers for nonlinear mechanical systems
[NASA-TM-104047] 13 p2103 N91-21573
Comparison of several system identification methods for flexible structures
[NASA-TM-104046] 13 p2103 N91-21574
Identification of linear multivariable systems from a single set of data by identification of observers with assigned real eigenvalues
[NASA-TM-102669] 13 p2103 N91-21575
Identification of observer/Kalman filter Markov parameters: Theory and experiments
[NASA-TM-104069] 17 p2790 N91-25437
LONGMIRE, ELLEN KATHRYN
Structure and control of a particle-laden jet
22 p3674 N91-30455
LONGO, E.
A global fit to the Z(0) line shape
[NOTA-INTERNA-966] 11 p1798 N91-19868
LONGO, GIUSEPPE
The UV properties of normal galaxies
09 p1431 N91-17880
LONGONI, F.
A solid state mass memory for space applications: Technological and system aspects
24 p3995 N91-32329
LONGTIN, ANDRE
Oscillation onset in neural delayed feedback
[DE90-015057] 02 p0242 N91-11351
Nonlinear dynamics of neural delayed feedback
[DE91-001864] 07 p1036 N91-15681
LONSINGER, H.
Enhanced fighter maneuverability aircraft (X-31A) wing and thrust vectoring vane design
[MBB-FE22/S/PUB/0433/A] 23 p3790 N91-31135
LOO, B. H.
Fourier transform infrared and Raman spectroscopic characterization of homogeneous solution concentration gradients near a container wall at different temperatures
[NASA-CR-188541] 17 p2756 N91-25254
LOO, JOSEPH A.
Combined capillary electrophoresis and electrospray ionization mass spectrometry
[DE90-016535] 02 p0193 N91-11079
LOOIJE, C. E. W.
High temperature research at NLR
[NLR-MP-88051-U] 22 p3621 N91-30143
LOOMIS, B. A.
Swelling and tensile properties of neutron-irradiated vanadium alloys
[DE91-006588] 09 p1317 N91-17228
LOOMIS, BEN A.
Relationship of microstructure and tensile properties for neutron-irradiated vanadium alloys
[DE90-017863] 02 p0197 N91-11105
LOOMIS, J.
Optical analysis of aircraft transparencies (OPTRAN). Volume 1: Theoretical manual
[AD-A235931] 19 p3245 N91-27947
LOOMIS, MARK PAUL
Interferometric investigation of supersonic flow fields with shock-shock interactions 15 p2364 N91-23082
LOONEY, L. D.
Radiation-induced attenuation of high-OH optical fibers after hydrogen treatment in the presence of ionizing radiation
[DE91-016093] 24 p4102 N91-32921
LOOPER, LARRY T.
A conceptual model of the performance of the United States Air Force flight training program
[AD-A230881] 13 p2128 N91-21711
The Integrated Decision Modeling System (IDMS) user's manual
[AD-A236033] 22 p3726 N91-30736
Neural networks: A primer
[AD-A235920] 22 p3747 N91-30881
LOOS, ALFRED C.
The development and evaluation of an alternative powder prepregging technique for use with LaRC-TPI/graphite composites
[NASA-CR-188184] 15 p2392 N91-23242
LOOS, P. J. G.
Parameter estimation for stochastic systems
03 p0316 N91-11767
LOOS, R.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
LOOSE, WERNER
Contributions to the Non Equilibrium Molecular Dynamics (NEMD) computer simulation for transport processes in simple fluids
[ETN-91-98921] 11 p1705 N91-19393
LOOTSMA, F. A.
The French and the American school in multi-criteria decision analysis
[REPT-90-21] 02 p0283 N91-11592
LOPESDESOUZE, WANDERLEY
Step-wise refinement design example using LOTOS
[MEMO-INF-90-55] 10 p1571 N91-18639
LOPEZ-ESPINO, HUGH HARELSTON
Weakly-interacting particles in general relativity: A numerical study of the general-relativistic Boltzmann equation 07 p1084 N91-15965
LOPEZ-GOMEZ, R.
Heat-rate improvements obtained with the use of enhanced tubes in surface condensers
[DE91-006565] 13 p2078 N91-21449
LOPEZ-OTERO, A.
Ion-assisted doping of 2-6 compounds during physical vapor deposition
[DE90-000358] 01 p0128 N91-10756
LOPEZ, D.
Habitability: CAMELOT 4 10 p1479 N91-18150
LOPEZ, G.
Constant of motion and dynamic equations for one-dimensional autonomous system and radiation damping
[DE91-011002] 15 p2446 N91-23547
Non similarity solution approximation to the thermal hydraulic quenchback in superconductors
[DE91-013964] 20 p3432 N91-29040
Hamiltonians and Lagrangians for one-dimensional autonomous systems and dissipative systems
[DE91-017595] 24 p4093 N91-32868
LOPEZ, ISAAC
Turbomachinery 12 p1837 N91-20097
LOPEZ, R. E.
Implications of multipoint observations of substorms in the inner magnetotail 06 p0917 N91-15061
LOPEZ, RAUL E.
Surface wind convergence as a short-term predictor of cloud-to-ground lightning at Kennedy Space Center: A four-year summary and evaluation
24 p4064 N91-32703
Weak positive cloud-to-ground flashes in Northeastern Colorado 24 p4065 N91-32712
LOPEZ, T. A.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
LOPEZCOTARELO, M.
Radiation assessment of the INMOS transputer family
24 p4000 N91-32358
LOPEZDIEZ, J. L.
General configuration aspects on airlifter design
10 p1463 N91-18070
LOPUHAA, HENDRIK P.
Multivariate tau-estimators for location and scatter
[REPT-90-04] 01 p0116 N91-10688
LORBER, P. F.
Frequency response calibration of recess-mounted pressure transducers
[NASA-TM-104031] 13 p2148 N91-21834
LORD, ARTHUR E., JR.
Fundamental approach to service life prediction of Flexible Membrane Liners (FML's)
[PB90-263856] 09 p1349 N91-17410
LORD, JERE J.
Elementary particle physics: Experimental
[DE91-005574] 09 p1395 N91-17679
LORD, S.
A multiwavelength survey of interacting galaxies
08 p1253 N91-16898
LORD, STEVEN D.
Far-infrared spectroscopy of NGC 6946, IC 342, and Arp 299 05 p0737 N91-14114
LORDON, JEROME
Supersonic vortex flows around a missile body: Basic experiment and Euler numerical computation
06 p0774 N91-14291
LOREE, THOMAS R.
Biomedical applications on laser technology at Los Alamos
[DE90-016447] 01 p0047 N91-10277
LORENA, LUIZ ANTONIO NOGUEIRA
A monotone decreasing algorithm for the 0-1 multiknapsack dual problem
[INPE-5160-RPE/635] 13 p2133 N91-21745
LORENC, S. A.
Orbital transfer vehicle oxygen turbopump technology. Volume 1: Design, fabrication, and hydrostatic bearing testing
[NASA-CR-185175] 11 p1665 N91-19174
LORENSI, CIRINEU JORGE
Physiognomy of vegetation cover in the Pantanal Mato Grossina National Park: A temporal analysis
[INPE-4809-RPE/589] 04 p0539 N91-12989
LORENTS, D. C.
Ionic solid hydrogen fuel: Experimental investigation of cluster-impact fusion
[AD-A232642] 15 p2409 N91-23336
LORENZ-MEYER, WOLFGANG
Half-model tests on an ONERA calibration model in the transonic wind tunnel, Goettingen (Federal Republic of Germany)
[ESA-TT-1195] 03 p0301 N91-11680
LORENZ, B.
Effects of weightlessness (sea water immersion) on body fluid balance and CNS functions
15 p2449 N91-23566
LORENZANA, HECTOR EFRAIN
Phase transitions in solid hydrogen at megabar pressures 22 p3647 N91-30295
LORENZO, CARL F.
Advanced aeropropulsion controls technology
12 p1838 N91-20103
IMPAC: An Integrated Methodology for Propulsion and Airframe Control
[NASA-TM-103805] 12 p1841 N91-20122
A method for partitioning centralized controllers
[NASA-TM-4276] 12 p1843 N91-20133
Life extending control: A concept paper
[NASA-TM-104391] 14 p2197 N91-22135
LORETAN, P. A.
Sweet potato for closed ecological life support systems using the nutrient film technique
23 p3902 N91-31782
LORETAN, PHIL A.
Effect of biweekly shoot tip harvests on the growth and yield of Georgia Jet sweet potato grown hydroponically
19 p3266 N91-28065
Effect of channel size on sweet potato storage root enlargement in the Tuskegee University hydroponic nutrient film system 19 p3266 N91-28066
LOREY, DONALD A.
Vortex bursting over a unit area aspect ratio delta wing using vortex paneling methods
[AD-A231028] 13 p2021 N91-21119
LORGE, FRANK L.
Automatic dependent surveillance Pacific engineering trials 24 p3955 N91-32099
LORTHIOIR, G.
Electrodeposition of dense chromium coatings from molten salt electrolytes
[AD-A235978] 19 p3134 N91-27319

LOS, S. A.
A normative database for, and analysis of, the dual task of the TASKOMAT
[IZF-1990-A-11] 08 p1242 N91-16846
LOSCHIAVO, VALERIA
Methodology to treat stellar images
[IFSI-89-21] 05 p0733 N91-14094
LOSKUTOV, YU. M.
On the temperature corrections for QED operators in the superstrong magnetic field
[DE91-619627] 13 p2146 N91-21822
LOTAN-LUBAN, PNINA
Simulational studies of the formation and properties of ring galaxies and leading one-arm spirals due to galaxy encounters 16 p2702 N91-24962
LOTAN, NOAH
Oxidative procedure for activation of hydroxyl-containing polymeric carriers 14 p2295 N91-22690
LOTEM, AMNON
A source-to-source translator generator and its implementation for robotic languages
[ITN-91-85089] 12 p1954 N91-20751
LOTENS, W. A.
The effect of condensation in clothing on heat transfer
[IZF-1990-B-5] 05 p0697 N91-13881
Heat transfer in clothing during heat radiation
[IZF-1990-B-2] 08 p1195 N91-16569
LOTKO, W.
The magnetopause boundary layer
[AD-A229061] 09 p1365 N91-17501
LOTKO, WILLIAM
Investigation of turbulent processes in magnetospheric boundary layers
[NASA-CR-188009] 14 p2284 N91-22628
LOTT, J. A.
Band-gap narrowing and III-V heterostructure FETs (Field-Effect Transistors)
[DE91-000401] 05 p0726 N91-14056
LOTT, L. A.
Acoustical and dynamic mechanical characterization of fiber-matrix interface bonds in ceramic composites
[DE90-010949] 08 p1105 N91-16066
LOTT, S.
Proof-of-concept zinc/bromine electric vehicle battery
[DE91-011767] 18 p2981 N91-26463
The development of aluminum-air batteries for application in electric vehicles
[DE91-016863] 23 p3862 N91-31533
LOTT, S. E.
Exploratory battery technology development and testing report for 1989
[DE91-006753] 11 p1698 N91-19352
Exploratory battery technology development report for FY90
[DE91-012131] 20 p3338 N91-28485
LOTTERO, RICHARD E.
Evaluation of the HULL and SHARC hydrocodes in simulating the reflection of Mach 2.12 non-decaying shock on wedges of various angles
[AD-A227581] 08 p1142 N91-16287
LOTTES, S. A.
Three-dimensional computer simulation of non-reacting jet-gas flow mixing in an MHD second stage combustor
[DE90-017831] 02 p0273 N91-11537
Effects of jet port arrangement on three-dimensional non-reacting jet-gas mixing in an MHD second stage combustor
[DE90-017858] 02 p0274 N91-11538
Copper contamination effects on hydrogen-air combustion under SCRAMJET (Supersonic Combustion Ramjet) testing conditions
[DE91-006545] 10 p1472 N91-18111
Two-dimensional non-reacting jet-gas mixing in an MHD (magnetohydrodynamic) second stage combustor
[DE91-006015] 11 p1679 N91-19252
Multi-dimensional computer simulation of MHD combustor hydrodynamics
[DE91-011851] 18 p3067 N91-26946
Simulation of combustion processes in an MHD second stage combustor
[DE91-014014] 20 p3420 N91-28968
Interactions of turbulent eddies and combustion in an MHD second stage combustor
[DE91-015722] 21 p3589 N91-29968
LOTZ, MARK L.
Physiology data acquisition system description
[AD-A231088] 13 p2127 N91-21706
LOTZ, W.
Optimization, non-local MHD-mode, and alpha-particle confinement behavior of Helias equilibria 20 p3408 N91-28893
LOTZE, A.
The integration of structural optimization in the general design process for aircraft
[MBB/FE122/S/PUB/0405] 08 p1096 N91-16017
LOU, MICHAEL C.
System dynamic simulation of precision segmented reflector 14 p2227 N91-22317
LOU, W. R.
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
LOUBATON, PHILIPPE
Regular unitary dilation of commuting contractions and Markovian representations of Gaussian stationary processes on the set Z(2)
[TELECOM-90-D-009] 11 p1786 N91-19798
LOUBRIEL, G. M.
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
Rise time and recovery of GaAs photoconductive semiconductor switches
[DE91-001267] 06 p0879 N91-14854
High power light activated semiconductor switches with sub-nanosecond rise time
[DE91-009250] 15 p2515 N91-23939
Physics and applications of the lock-on effect
[DE91-014670] 21 p3504 N91-29446
High gain photoconductive semiconductor switching
[DE91-014668] 21 p3508 N91-29478
LOUCKS, CLIFFORD S.
The Robotic Edge Finishing Laboratory
[DE91-000475] 04 p0513 N91-12850
LOUGE, M. Y.
Development and utilization of new diagnostics for dense-phase pneumatic transport
[DE91-008947] 15 p2409 N91-23339
LOUGHLIN, J. P.
Systolic signal processor/high frequency direction finding
[AD-A229706] 12 p1956 N91-20762
LOUGHRAN, L. B.
Operation, maintenance, and research activities at NORSAR, NORESS, and ARCESS
[AD-A230874] 13 p2169 N91-21970
LOUIS, J.-F.
Design of an enhanced global spectral model
[AD-A232123] 15 p2464 N91-23655
LOUKO, J.
Biaxial Bianchi type 9 quantum cosmology
[DE91-009610] 14 p2338 N91-22925
LOULA, ABINMAEL F. D.
Finite element analysis of nonlinear creeping flows
[DE90-627189] 01 p0055 N91-10327
LOUP, F.
Laser heated calcium sulfate TLD plates: Application to radiation mapping 24 p4001 N91-32364
LOURENCO, L. M.
Particle image velocimetry: Photographic and video techniques 23 p3877 N91-31628
Unsteady flow past an airfoil pitching at a constant rate 23 p3877 N91-31629
Vortex interactions in the transition region of a rectangular jet 23 p3877 N91-31630
LOUTER-NOOL, MAGREET
Block-Cholesky for parallel processing
[CWI-NM-R9023] 17 p2839 N91-25690
LOUTHAN, M. R., JR.
Defect characterization in pipe-to-pipe welds in large diameter stainless steel piping
[DE91-004279] 07 p1013 N91-15563
A metallurgical evaluation of stress corrosion cracking in large diameter stainless steel piping
[DE91-005658] 09 p1314 N91-17215
LOVASZ, L.
Cones of matrices and setfunctions, and 0-1 optimization
[CWI-BS-R8925] 02 p0259 N91-11444
LOVBERG, R.
The Los Alamos megamp fiber z-pinch experiment
[DE91-004842] 08 p1229 N91-16777
LOVEJOY, S. C.
Finite element analysis of the lateral buckling of a cantilevered I Beam
[DE91-010123] 15 p2442 N91-23527
LOVELACE, DONALD E.
Device and method for monitoring the presence of an object in space
[AD-D014621] 06 p0872 N91-14823
LOVELACE, R. V.
Stability of annular equilibrium of energetic large orbit ion beam
[DE91-014365] 20 p3419 N91-28963
LOVELACE, R. V. E.
Magnetically driven jets and winds 06 p0921 N91-15084
LOVELACE, THOMAS B.
Probabilistic lifetime strength of aerospace materials via computational simulation
[NASA-CR-187178] 21 p3533 N91-29629
LOVELESS, R.
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
LOVELL, T. W.
The Madison symmetric torus
[DE90-010306] 08 p1226 N91-16757
LOVENGUTH, MARC
Technology needs for high-speed rotorcraft
[NASA-CR-177578] 15 p2374 N91-23136
LOVESEY, E. J.
Advances in navigation support systems based on operational pilot's heuristics
[RAE-TRANS-2184] 09 p1276 N91-17012
LOVETT, JEFFERY ALLAN
The alteration of turbulent jet flame structure a nd combustion by axisymmetric jet pulsing 09 p1309 N91-17187
LOVRANICH, ERNST
Examination of debris from satellites with nuclear reactors: A comparison of different methods
[OEFZS-4541] 09 p1297 N91-17122
LOW, EICHER
Eigenspace design of helicopter flight control systems
[AD-A231588] 13 p2028 N91-21153
LOW, F. J.
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope 13 p2174 N91-22004
LOW, H. C.
Carbon deposition in gas turbine combustors
[PNR-90692] 02 p0181 N91-11020
LOWDEN, R. A.
Characterization and control of the fiber-matrix interface in ceramic matrix composites
[DE91-000922] 04 p0498 N91-12766
Effects of oxidation and combustion environments on the properties of Nicalon/SiC composites
[DE91-016778] 23 p3808 N91-31240
LOWDERMILK, W. H.
Upgrade of the LLNL Nova laser for inertial confinement fusion
[DE91-008060] 11 p1712 N91-19430
LOWE-MA, CHARLOTTE K.
Crystal structure of ZnGa2S4, a defect sphalerite-derivative
[AD-A226937] 06 p0881 N91-14865
On the crystal structure of KInS2-I
[AD-A226940] 06 p0881 N91-14866
LOWE, BARRETT F.
Energy transfer in singlet oxygen and bromine monofluoride
[AD-A230614] 12 p1977 N91-20874
LOWE, DAWN R.
Second Tracking and Data Relay Satellite System (TDRSS) Ground Terminal: STGT 14 p2212 N91-22221
LOWE, T. L.
An historical mullite fiber-reinforced ceramic composite: Characterization of the 'wootz' crucible refractory
[DE91-005401] 10 p1494 N91-18225
LOWELL, CARL E.
High temperature cyclic oxidation data. Part 1: Turbine alloys
[NASA-TM-83665] 01 p0025 N91-10149
Overview of Lewis materials research: Contributions, current efforts, and future directions 12 p1839 N91-20109
LOWELL, JOHN R.
Experimental response functions and response matrices for 2.54-cm x 2.54 cm and 7.62 cm x 7.62 cm bismuth germanate scintillation detectors
[AD-A230140] 13 p2087 N91-21486
LOWENGRUB, JOHN
Convergence of the point vortex method for the 3-D Euler equations
[AD-A231285] 13 p2083 N91-21479
LOWERY, P. S.
Computer modeling of ceramic melters to assess impacts of process and design variables on performance
[DE91-013668] 20 p3328 N91-28431
LOWERY, W.
Effects of elevated atmospheric carbon dioxide concentrations on water and acid requirements of soybeans grown in a recirculating hydroponic system 23 p3902 N91-31781
LOWES, FLORA B.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32 09 p1288 N91-17081
LOWMAN, DOUGLAS S.
GCS programmer's manual
[NASA-TM-102721] 09 p1384 N91-17612

LOWN, JOE
CVMAC 2D Program: A method of converting 3D to 2D
[DE90-015147] 01 p0108 N91-10626
LOWNDES, D. H.
Kosterlitz-Thouless-like behavior over extended ranges of temperature and layer thickness in crystalline YBa2Cu3O(7-x) / PrBa2Cu3O(7-x) superlattices
[DE91-013237] 20 p3428 N91-29014
Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015632] 23 p3931 N91-31969
LOWNDES, DOUGLAS H.
Growth and transport properties of Y-Ba-Cu-O/Pr-Ba-Cu-O superlattices
[DE91-000721] 07 p1070 N91-15889
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788
LOWNEY, J. R.
Band-gap narrowing and III-V heterostructure FETs (Field-Effect Transistors)
[DE91-000401] 05 p0726 N91-14056
LOWRANCE, JOHN L.
Remote sensing in the ultraviolet
[AD-A224254] 02 p0227 N91-11268
LOWREY, A. R.
INEX modeling of the Boeing ring optical resonator free-electron laser
[DE90-016488] 01 p0047 N91-10280
LOWRIE, B. W.
Future supersonic transport populsion optimization
[PNR-90737] 01 p0012 N91-10071
LOWRY, DAVID J.
A new active virtual pivot six-degree-of-freedom hand controller for aerospace applications
16 p2642 N91-24625
LOWRY, JOHN C.
Handbook for conducting analysis of the manpower, personnel, and training elements for a MANPRINT assessment
[AD-A235430] 19 p3258 N91-28022
LOWRY, M.
Integrated optical devices for photonics instrumentation systems
[DE91-004192] 06 p0873 N91-14828
LOWRY, OLIVER H.
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702
LOY, KEVIN J.
An algorithm for solving a class of pseudo-Boolean equations
[AD-A236023] 19 p3226 N91-27835
LOYD, L. D.
Concurrent access to O-trees
[DE91-014348] 20 p3390 N91-28782
LOYSELLE, PATRICIA L.
Raman spectral observation of a new phase observed in nickel electrodes cycled to failure
24 p4037 N91-32556
Impedances of nickel electrodes cycled in various KOH concentrations 24 p4037 N91-32557
LOZANO-GARCIA, D. FABIAN
NASA applications project in Miami County, Indiana
[NASA-CR-187916] 09 p1354 N91-17438
NASA applications project in Miami County, Indiana
[NASA-CR-188007] 14 p2280 N91-22608
LOZANO, G.
Path-integral measure for Chern-Simons theory within the stochastic quantization approach
[DE91-617610] 20 p3435 N91-29056
LOZAR, CHARLES C.
Large space structures fielding plan
[AD-A232097] 15 p2389 N91-23227
LOZINO-LOZINSKIY, G.
Developmental tests for shuttle Orbiter
08 p1100 N91-16038
LOZOVAYA, V. V.
Plant protoplast development on Biokosmos 9
11 p1758 N91-19674
LU, BEI
Contribution to the study of the electromagnetic field radiation close to electronics circuits
[ECL-90-12] 01 p0035 N91-10211
LU, CHENG-YI
Environmental interactions of the Space Station Freedom electric power system
[NASA-TM-104373] 16 p2566 N91-24225
LU, CHU-HO
Study of the available finite element software packages at KSC 11 p1825 N91-20029
LU, G.
Interaction of a neutral cloud moving through a magnetized plasma 09 p1404 N91-17728
LU, H.-I.
Theoretical and experimental studies of baroclinic processes 08 p1184 N91-16512
Basic studies of baroclinic flows
24 p4056 N91-32662
Climate dynamics experiments using a GCM simulations 24 p4057 N91-32663
LU, HUEI-IIN
GEOSIM: A numerical model for geophysical fluid flow simulation
[NASA-TM-103528] 13 p2079 N91-21450
LU, J.
Study of the effects of post heat treatment on the residual stresses in electron beam welds of tanks shell in titanium 03 p0328 N91-11830
LU, J. Y.
Sweet potato for closed ecological life support systems using the nutrient film technique
23 p3902 N91-31782
LU, JIAHE
Emission mechanism of plasma-induced field-emission cathode
[AD-A233056] 16 p2692 N91-24903
LU, SHIN-YEE
Convergence of linear programming using a Hopfield net
[DE91-007870] 11 p1779 N91-19758
Texture segmentation by clustering of Gabor feature vectors
[DE91-008061] 19 p3235 N91-27885
LU, WEIMIN
A double wavelength interferometer for the study of heat and mass transfer in double diffusive systems
[DE90-011431] 09 p1338 N91-17348
LU, X-Q.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
LU, XIAOPING
Some problems in elastic contact and fracture
06 p0837 N91-14625
LU, Y. C.
Kinetic striations in Earth- and space-grown semiconductor crystals 14 p2334 N91-22904
LU, YONG
Topics on frustrated spin systems and high-temperature superconductors 20 p3431 N91-29032
LU, YUN-CHI
The Land Analysis System (LAS)
15 p2537 N91-24054
LUA, YUAN JIE
Boundary integral equations for dynamic fracture problems 02 p0225 N91-11259
LUAN, L.
Very small grains in the Milky Way and external galaxies 05 p0742 N91-14138
LUAN, LING
The spatial distribution of infrared radiation from visible reflection nebulae 06 p0892 N91-14931
LUBEGA, SETH
Visualization of yeast chromosomal DNA
10 p1631 N91-18993
LUBELL, M. S.
Loss analysis of the thermodynamic cycle of magnetic heat pumps
[DE91-007669] 11 p1812 N91-19950
Light weight, high field, stable, superconducting magnets for advanced transportation systems
[DE91-013667] 20 p3394 N91-28814
LUBIN, P.
Hard x ray imaging telescope
[DE90-015815] 15 p2529 N91-24013
LUBRANO, GLENN
A protein coated piezoelectric crystal detector
[AD-A223848] 02 p0276 N91-11552
LUC-BOUHALI, A.
Post processing of three dimensional aerothermal computation
[AAAF-NT-89-21] 23 p3913 N91-31848
LUCAS, G. E.
Proceedings of the Office of Fusion Energy/DOE Workshop on Ceramic Matrix Composites for Structural Applications in Fusion Reactors
[DE91-004497] 07 p0970 N91-15325
LUCAS, LEE
Generic avionics software specification
[AD-A235752] 19 p3221 N91-27802
LUCAS, N.
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811
LUCAS, S. R.
Atomic hydrogen driven halogen extraction from Si(100): Eley-Rideal surface kinetics
[AD-A239544] 23 p3812 N91-31266
LUCASSEN, FRANK HENDRIKUS REINIER
Modeling and control algorithms for industrial robots
[ISBN-90-9003753-5] 14 p2309 N91-22762
LUCASSEN, M. P.
Evaluation of a simple method for color monitor recalibration
[IZF-1990-B-4] 05 p0650 N91-13608
LUCCHETTI, F.
Tethered gravity laboratories study
[NASA-CR-185656] 22 p3655 N91-30344
Tethered gravity laboratories study
[NASA-CR-185660] 22 p3656 N91-30346
Tethered gravity laboratories study
[NASA-CR-185659] 22 p3656 N91-30347
Tethered gravity laboratories study
[NASA-CR-185657] 22 p3656 N91-30348
Tethered gravity laboratories study
[NASA-CR-185658] 22 p3656 N91-30349
Tethered gravity laboratories study
[NASA-CR-185628] 22 p3704 N91-30616
LUCCIO, A.
Lectures on accelerator physics
[DE91-010376] 15 p2506 N91-23886
LUCE, T. C.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919
LUCEY, ANTHONY DENIS
Hydroelastic instability of flexible surfaces, volumes 1 and 2 09 p1336 N91-17335
LUCIER, W. A.
Ice tolerant engine inlet screens for CH113/113A search and rescue helicopters 23 p3792 N91-31149
LUCK, C. F.
Sputter deposition of lithium silicate-lithium phosphate amorphous electrolytes
[DE91-006603] 10 p1607 N91-18869
Thin film amorphous electrolytes: The Li2O-SiO2-P2O5 system
[DE91-007272] 11 p1807 N91-19925
LUCK, ROGELIO
Compensation of distributed delays in integrated communication and control systems
[NASA-CR-187136] 21 p3461 N91-29193
LUCKHARDT, RUTH
Experimental development, testing, and research work in support of the inertial confinement fusion program
[DE91-002770] 05 p0721 N91-14026
Experimental development, testing and research work in support of the inertial confinement fusion program
[DE91-002771] 06 p0875 N91-14841
LUCKRING, JAMES M.
Navier-Stokes solutions about the F/A-18 forebody-LEX configuration 02 p0147 N91-10860
Reynolds number effects on the transonic aerodynamics of a slender wing-body configuration
16 p2550 N91-24134
LUCY, L. B.
Improved Monte Carlo models for the early time spectrum of SN 1987A 09 p1443 N91-17954
LUCZAK, EDWARD C.
The Generic Spacecraft Analyst Assistant (GenSAA): A tool for automating spacecraft monitoring with expert systems 14 p2314 N91-22779
LUDEWIG, H.
A computer model to determine the primary contributors to relative radiation dose received by astronauts
[DE90-015681] 05 p0694 N91-13866
The Liquid Annular Reactor System (LARS) propulsion
[DE91-010972] 17 p2863 N91-25832
Light weight space power reactors for nuclear electric propulsion
[DE91-014803] 21 p3468 N91-29232
A nuclear thermal rocket engine design based on the particle bed reactor suitable for a Mars mission
[DE91-016898] 24 p3967 N91-32160
LUDEWIG, HANS
Ultra high temperature particle bed reactor design
14 p2199 N91-22144
The Liquid Annular Reactor System (LARS) propulsion
14 p2199 N91-22145
LUDOVICE, P. J.
An atomistic model of the amorphous glassy polycarbonate of 4,4'-isopropylidenediphenol
[AD-A237291] 21 p3487 N91-29345
LUDOVICE, PETER J.
Simulation of the structure of dense, amorphous bisphenol-A polycarbonate
[AD-A237222] 21 p3474 N91-29270

LUDWIG, DAVID
Carotid-cardiac baroreflex influence on forearm vascular resistance during low level LBNP
11 p1825 N91-20030
LUDWIG, G. O.
Activities report on the experimental study of particle diffusion in superficially confined plasma for multidipolar magnetic fields
[INPE-5228-RPE/644] 22 p3756 N91-30938
LUDWIG, GERSON OTTO
Design and construction of a formed pulse circuit for a plasma centrifuge
[INPE-5161-RPE/639] 13 p2158 N91-21895
Report of the activities of the Laboratorio Associado de Plasma of INPE in the biennium 88/89
[INPE-5201-PRE/640] 16 p2691 N91-24900
LUDWIG, KIMBERLY
Description of real-time Ada software implementation of a power system monitor for the Space Station Freedom PMAD DC testbed
[NASA-TM-105157] 20 p3389 N91-28776
LUE, J. W.
Loss analysis of the thermodynamic cycle of magnetic heat pumps
[DE91-007669] 11 p1812 N91-19950
Light weight, high field, stable, superconducting magnets for advanced transportation systems
[DE91-013667] 20 p3394 N91-28814
LUEBECK, EGMAR
Angle measurements with the laser gyro GG 1342
[ESA-TT-1212] 13 p2088 N91-21490
LUEBKER, ELIZABETH R.
Chemical sensing applications of semiconductor photoluminescence
[AD-A235935] 19 p3252 N91-27993
LUECK, KLAUS
Investigation of actions to reduce noise emissions in ultralight aircrafts
[UBA-FB-105-05-303] 04 p0579 N91-13224
LUEDTKE, JACQUELINE R.
Airline quality rating
[NIAR-91-11] 14 p2190 N91-22098
LUERS, JAMES K.
The influence of environmental factors on the temperature of the radiosonde thermistor
02 p0237 N91-11325
LUESINK, ROB
The likelihood ratio for multi dimensional Gauss-Markov random fields
[MEMO-861] 04 p0577 N91-13212
LUETHI, T.
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE91-012471] 20 p3325 N91-28410
LUETTGEN, ALLEN L.
CD-ROM (Compact Disc-Read Only Memory): A delivery medium for CBT (Computer-Based Training)
[DE91-004831] 09 p1375 N91-17555
LUEY, KENNETH T.
Lifetimes and failure mechanisms of W/Re hairpin filaments
[AD-A235199] 18 p2955 N91-26305
LUFF, J.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
LUFT, PHILIP E.
Land altimetry using satellite data from the GEOSAT sea altimeter 17 p2879 N91-25922
LUFT, WERNER
Amorphous silicon research project government/industry program
[DE90-000376] 10 p1540 N91-18477
LUGARA, M.
Raman properties of various carbonaceous materials and their astrophysical implications
06 p0893 N91-14933
LUGOVSKY, S. B.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856
LUGT, HANS J.
Chaos displayed by solutions of a forced pendulum equation with a fifth-order polynomial for the damping terms
[AD-A229496] 22 p3761 N91-30968
LUGTEN, J. B.
High angular resolution mm- and submm-observations of dense molecular gas in M82
05 p0761 N91-14230
The 158 micrometer (CII) line: A measure of global star formation activity in galaxies
[NASA-CR-187925] 08 p1267 N91-16977
LUGTU, SPOTRIZANO D.
Impact of ion propulsion on performance, design, testing, and operation of a geosynchronous spacecraft
[AD-A237028] 20 p3302 N91-28273
LUHMANN, N.
Simulation of a standing-wave free-electron laser
[DE91-007330] 11 p1710 N91-19418
LUHMANN, NEVILLE C., JR.
Compact millimeter-wave devices: Cherenkov CARM, voltage CARM and high harmonic gyrotron
[AD-A226070] 04 p0519 N91-12890
LUI, A. T.
The magnetospheric response to 8-minute period strong-amplitude upstream pressure variations
[AD-A228038] 08 p1179 N91-16489
LUI, ANDREW
Army-NASA aircrew/aircraft integration program (A3I) software detailed design document, phase 3
[NASA-CR-177557] 11 p1771 N91-19714
LUI, X.
Computational fluid dynamics in aerospace engineering at Wichita State University 10 p1456 N91-18025
LUICH, SHAWN
Hypersonic aircraft design
[NASA-CR-187008] 04 p0477 N91-12661
LUIK, P. C.
Procedure for the correction of errors in the DUTSCAT data 1987/1988
[BCRS-90-14] 08 p1168 N91-16430
LUISE, FEDERICA
Path generation and evaluation for a mission planning expert system 17 p2731 N91-25124
LUK, FRANKLIN
Parallel algorithms for real time signal processing
[AD-A228592] 09 p1382 N91-17602
LUK, FRANKLIN T.
An accurate product SVD (singular value decomposition) algorithm
[DE91-004448] 06 p0862 N91-14765
Fast algorithms for signal processing
[AD-A231226] 13 p2136 N91-21759
LUKASZEK, THEODORE
Lithium tetraborate transducer cuts
[AD-A226028] 04 p0519 N91-12889
Evaluation of acceleration-induced phase noise in surface acoustic wave devices
[AD-A226027] 04 p0579 N91-13226
LUKE, G. M.
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506
LUKE, P. N.
Long-wavelength germanium photodetectors by ion implantation
[DE91-013848] 20 p3432 N91-29038
LUKE, WINSTON THOMAS
Reactive nitrogen compounds in the troposphere: Observations, transport, and photochemistry
03 p0387 N91-12159
LUKEFAHR, BRENDA D.
ECLSS advanced automation preliminary requirements
[NASA-CR-186115] 19 p3214 N91-27765
A diagnostic prototype of the potable water subsystem of the Space Station Freedom ECLSS
[NASA-CR-186111] 19 p3214 N91-27766
LUKENS, JAMES
Experimental studies of Josephson effect
[AD-A226548] 05 p0725 N91-14051
Study of Josephson effect arrays as sources at 1 THz
[AD-A234526] 18 p3068 N91-26952
LUKER, SPENCER MICHAEL
Multiplexer/amplifier test results for SP-100
[DE91-004504] 05 p0715 N91-13990
LUKES, A.
Cross-linking and modification of cytochrome c with redox-active metal complexes
[DE91-012023] 18 p2952 N91-26287
LUKIERSKI, J.
BRST formulation of the Gupta-Bleuler quantization method
[NIKHEF-H/90-7] 04 p0574 N91-13190
LUKYANYUK, V. YU.
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
LULA, J. W.
Moisture absorption and bakeout characteristics of rigid-flexible multilayer printed wiring boards
[DE91-006825] 10 p1519 N91-18386
LUM, H.
Flight elements: Fault detection and fault management
09 p1281 N91-17042
LUM, HENRY, JR.
Advancing automation and robotics technology for the Space Station Freedom and for the U.S. economy. Submitted to the Congress of the U.S. May 1991
[NASA-TM-103851] 19 p3216 N91-27773
LUM, VINCENT Y.
DEMON: A media object model incorporating natural language descriptions for retrieval support
[AD-A226711] 06 p0885 N91-14893
LUMB, D.
Further proton damage effects in EEV CCDs
24 p3997 N91-32340
LUMIA, R.
Short-term evolution for the flight telerobotic servicer
[PB91-144352] 17 p2782 N91-25393
LUMLEY, J. L.
Second order modeling of boundary-free turbulent shear flows
[NASA-TM-104369] 14 p2264 N91-22524
LUMLEY, JOHN L.
Advances in modeling the pressure correlation terms in the second moment equations
[NASA-TM-104413] 16 p2623 N91-24525
LUMPE, S. W.
Implementation of a QML (Qualified Manufacturer's List) methodology for discrete semiconductors
[DE90-015715] 02 p0221 N91-11235
LUMPKIN, A. H.
Advanced, time-resolved imaging techniques for electron-beam characterizations
[DE91-008587] 13 p2152 N91-21865
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
Applications of synchroscan and dual-sweep streak camera techniques to free-electron laser experiments
[DE91-016017] 24 p4022 N91-32479
LUMPKIN, ALEX H.
The next generation of RF-FEL (Free-Electron Laser) diagnostics: Synchroscan and dual-sweep streak camera techniques
[DE91-004844] 09 p1341 N91-17366
LUMPKIN, FORREST EDWARD, III
Development and evaluation of continuum models for translational-rotational nonequilibrium
05 p0613 N91-13403
LUNA, PHILLIP M.
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB]
06 p0787 N91-14357
LUNARDINI, VIRGIL J.
Heat transfer from water flowing through a chilled-bed open channel
[AD-A226855] 08 p1142 N91-16286
LUND, E.
A survey of colour discrimination in German ophthalmologists: Changes associated with the use of lasers and operating microscopes
17 p2827 N91-25618
LUND, J.
A fully Sinc-Galerkin method for Euler-Bernoulli beam models
[NASA-CR-187462] 05 p0709 N91-13952
LUND, PATRICIA
Managing the Global Commons Decision Making and Conflict Resolution in Response to Climate Change Research Workshop
[DE91-001018] 05 p0685 N91-13810
LUND, R. K.
Next generation solid boosters
20 p3293 N91-28207
LUNDBERG, L. B.
Small Ex-core Heat Pipe Thermionic Reactor concept (SEHPTR)
[DE91-014073] 20 p3303 N91-28279
LUNDBERG, WAYNE R.
BASEOPS default profiles for transient military aircraft
[AD-A229184] 09 p1277 N91-17019
LUNDBLAD, WAYNE E.
Investigation of welding and brazing of molybdenum and TZM alloy tubes
[NASA-CR-187899] 09 p1347 N91-17403
LUNDE, OTTAR
Pregnancy: A cause for grounding of female air crew
02 p0247 N91-11376
LUNDGREN, C. A.
The application of x ray tomographic microscopy to chemical vapor infiltration processing of ceramic matrix composites
[DE91-011871] 20 p3304 N91-28284
LUNDIN, C. D.
HAZ liquation cracking behavior in newly developed lean 316 stainless steels
[DE90-009409] 08 p1113 N91-16117

Evaluation of filler metals for high-strength stainless steels
[DE91-009931] 15 p2401 N91-23295

LUNDIN, E.
White light solar corona: An atlas of 1988 K-coronameter synoptic charts, December 1987 to January 1989
[NASA-CR-184955] 02 p0294 N91-11649

LUNDIN, R.
The contribution of the boundary layer EMF to magnetospheric substorms
[PB91-192740] 22 p3708 N91-30635

LUNDQUIST, CHARLES A.
Microgravity and its effects on residual motions in fluids 03 p0430 N91-12406

LUNDQUIST, STIG
First and subsequent return stroke properties of cloud-to-ground lightning 24 p4048 N91-32614

LUNG, SHUN-FAT
Performance of finite dynamic elements for composite materials in plane stress 02 p0225 N91-11260

LUNG, TERESA F.
Discretionary security for object-oriented database systems
[AD-A237573] 21 p3553 N91-29740

LUNGU, C.
Reverse bias voltage testing of 8 cm x 8cm silicon solar cells 22 p3635 N91-30225

LUNINE, JONATHAN I.
Evolution of the atmosphere and surface of Titan 10 p1622 N91-18946
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-186726] 20 p3288 N91-28182

LUNN, KEVIN JOHN
Storm induced changes of the topside ionosphere as deduced from incoherent scatter radars
[AD-A227899] 09 p1364 N91-17494

LUNSFORD, J. H.
New directions for the catalytic conversion of methane
[PB91-206417] 24 p3972 N91-32191

LUNT, TERESA
Persistent data/knowledge base
[AD-A237498] 21 p3603 N91-30048

LUNT, TERESA A.
Research directions in database security, 2
[AD-A231878] 14 p2341 N91-22943

LUO, ANHUA
High-temperature alloys for high-power thermionic systems
[DE91-009292] 15 p2402 N91-23299

LUO, GANG
A cloud fraction and radiative transfer model 20 p3376 N91-28706

LUO, XINGHUA
Investigation of methods to prepare carbon foils and to determine their thicknesses
[DE90-638126] 09 p1317 N91-17231

LUO, Z.
Analysis of electromagnetic interference from power system processing and transmission components for Space Station Freedom
[NASA-CR-186564] 22 p3663 N91-30393

LUOMA, G. A.
The effects of sunlight and humidity on CF-188 composite resin
[DREP-89-07] 22 p3645 N91-30284

LUONG, V.
Development of prototype sealed bipolar lithium/sulfide cells
[DE91-015721] 23 p3859 N91-31519

LUPEIKO, A. V.
Experimental modelling of lightning interaction phenomena with a free potential conducting objects 24 p4068 N91-32729

LUPI, VICTOR D.
Transform methods for precision continuum and control models of flexible space structures 14 p2228 N91-22325

LUPO, ANTHONY R.
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 08 p1184 N91-16513
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 24 p4062 N91-32692

LURIA, FRANK
Analysis of periodic orbits about the Martian moons by continuation techniques
[AD-A231026] 13 p2182 N91-22058

LURIA, M.
Intercomparison of the chemical and meteorological data generated from aircraft and shipboard sampling during GCE/CASE/WATOX
[PB91-129098] 13 p2120 N91-21667

LURIE, BORIS J.
Torque sensor having a spoked sensor element support structure
[NASA-CASE-NPO-17461-1-CU] 09 p1338 N91-17350
Fluid-loop reaction system
[NASA-CASE-NPO-17204-1-CU] 17 p2779 N91-25380

LURIO, CHARLES A.
Advanced Stirling receiver development program, phase 1
[NASA-CR-185281] 09 p1356 N91-17452

LURMANN, F. R.
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597

LUSCOMBE, J.
Few-electron lateral resonant tunneling semiconductor devices
[AD-A236901] 19 p3255 N91-28012

LUSCOMBE, J. H.
Quantum device development
[AD-A225813] 04 p0587 N91-13280

LUSEBRINK, HELMUT
Gust design procedures 18 p2928 N91-26155

LUSHER, J. A.
Advanced material handling equipment controls
[AD-A235091] 18 p2995 N91-26540

LUSK, CYNTHIA M.
Effects of stress on judgment and decision making in dynamic tasks
[AD-A239452] 23 p3901 N91-31772

LUSK, E.
Summer institute in parallel programming
[DE91-007922] 11 p1779 N91-19760
Automated reasoning contributes to mathematics and logic
[DE91-014005] 20 p3387 N91-28765

LUSK, E. L.
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719

LUSTENBERGER, MARTIN
Process for detecting the likelihood of ice formation, ice warning system for carrying out the process, and utilization thereof
[PATENT-1-250-926] 23 p3785 N91-31107

LUSTMAN, LEVI
Software for the parallel solution of systems of ordinary differential equations
[AD-A235489] 19 p3235 N91-27889

LUTERAN, FRANK
Lightning testing at the subsystem level 24 p4066 N91-32714

LUTES, G. F.
Design of a fiber-optic transmitter for microwave analog transmission with high phase stability 03 p0354 N91-11976

LUTES, GEORGE F.
Fiber optic frequency transfer link
[NASA-CASE-NPO-17703-1-CU] 19 p3247 N91-27957

LUTGENS, J. M. A.
Knowledge base correctness checking for Simplexys expert systems
[EUT-90-E-240] 22 p3742 N91-30849

LUTHER, G. G.
A microwave interferometer to measure particle and shock velocities simultaneously
[DE91-013077] 20 p3349 N91-28545

LUTON, J. N.
Light weight, high field, stable, superconducting magnets for advanced transportation systems
[DE91-013667] 20 p3394 N91-28814

LUTON, MICHAEL J.
Oxide dispersion strengthened aluminium: Properties and use 03 p0332 N91-11858

LUTTGES, MARVIN
Seed sprout production: Consumables and a foundation for higher plant growth in space 23 p3904 N91-31790

LUTTGES, MARVIN W.
Tuning the efficiencies of plant lighting systems: From primary energy to edible biomass: The LED as an alternative light source 11 p1756 N91-19660

LUTTMANN, H.
Columbus generic element management and planning concept
[MBB-UO-0101-90-PUB] 04 p0493 N91-12742
Columbus generic element management and planning concept 14 p2216 N91-22244

LUTTMER, MAURICE L. M.
Syncs and real-time behaviour of threads
[MEMO-INF-91-04] 22 p3739 N91-30827

LUTTON, EVELYNE
Point of shot recognition for a photograph from a model of the scene
[TELECOM-90-E-005] 12 p1902 N91-20461

LUTTON, RUSSELL T.
Calculation of defect properties of NiTi and FeTi
[DE91-006033] 09 p1414 N91-17785

LUTTRELL, STEPHEN P.
A trainable texture anomaly detector using the Adaptive Cluster Expansion (ACE) method
[RSRE-MEMO-4437] 22 p3747 N91-30884

LUTZ, HANS-JOACHIM
Remote sensing of atmospheric temperature fields and the long wave radiation budget in the Antarctic
[ISSN-0069-5882] 15 p2464 N91-23652

LUTZ, S.
Uniform field laser illuminator for remote sensing
[DE91-010823] 17 p2781 N91-25391

LUTZE, PETER
Gas contents and weldability of aluminum die castings
[ETN-91-99188] 15 p2402 N91-23302

LUU, CHI
Cometary implications of the internal energy distributions of the C2 and C3 radicals produced in the photolysis of the C2H and C3H2 17 p2894 N91-25998

LUU, JANE
Submillimetre photometry of comets 13 p2181 N91-22052

LUU, JANE X.
A CCD comparison of outer Jovian satellites and Trojan asteroids 17 p2895 N91-26001
An observational investigation of the comet-asteroid connection 17 p2915 N91-26094

LUU, PHUONG B.
Physiological responses to prolonged bed rest in humans: A compendium of research, 1981-1988
[NASA-TM-102249] 05 p0694 N91-13862

LUU, T. T.
Polar code validation
[AD-A230138] 12 p1854 N91-20186

LUURSEMA, J. J.
OOSY: An Object Oriented Operating SYstem
[MEMO-INF-90-78] 22 p3728 N91-30752
Operational semantics for path expressions with postponing of nondeterministic choices
[MEMO-INF-90-72] 22 p3734 N91-30791

LUVALL, JEFFREY C.
The use of aircraft-based Thermal Infrared Multispectral Scanner (TIMS) data to measure surface energy budgets on a landscape scale 17 p2798 N91-25477

LUX, DAVID P.
Science requirements and feasibility/design studies of a very-high-altitude aircraft for atmospheric research 17 p2799 N91-25481

LUXON, J. L.
Latest results from DIII-D and their implications for future devices
[DE91-008499] 12 p1983 N91-20913

LUYENDIJK, T.
Sulphur diffusion in liquid cast iron (TEXUS 6) ESA 23 p3832 N91-31370

LUZYANIN, I. D.
Higher harmonics of magnetization in the critical state of ceramic high Tc superconductors
[DE91-615506] 11 p1810 N91-19944

LUZZI, DAVID E.
Plasticity of single crystalline Al3X intermetallic compounds
[AD-A234699] 18 p2963 N91-26356

LY, UY-LOI
Robust integrated autopilot/autothrottle design using constrained parameter optimization
[NASA-CR-188011] 14 p2196 N91-22127
Reliable numerical computation in an optimal output-feedback design
[NASA-CR-188191] 14 p2318 N91-22804

LYABIN, N. A.
Copper vapor as active medium for high-power oscillator-amplifier laser systems 11 p1787 N91-19806

LYBANON, MATTHEW
Oceanographic expert system validation using GOAP mesoscale products and Gulf/DART validation test data
[AD-A226929] 06 p0850 N91-14693
A technique for feature labeling in infrared oceanographic images
[AD-A229909] 12 p1926 N91-20600
Implementation of an oceanographic expert system: Problems, feedback, solutions
[AD-A230886] 13 p2124 N91-21689
Proceedings of the Automated Interpretation of Oceanographic Satellite Images Workshop
[AD-A235811] 19 p3205 N91-27715

LYCETTE, M.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296
LYCHAKOV, D. V.
Structural changes in vestibular receptors in rats after flight aboard Cosmos-1667 biosatellite
19 p3207 N91-27729
LYDEN, J. D.
ERIM processing and analysis activities
[AD-A236206] 19 p3150 N91-27414
LYKKE, K. R.
Laser desorption/photoionization time-of-flight mass spectrometry of polymer additives
[DE90-017808] 03 p0343 N91-11923
LYKKE, KEITH R.
State-to-state inelastic and reactive molecular beam scattering from surfaces
[DE90-010492] 08 p1219 N91-16714
LYKKEN, JOSEPH D.
Chern-Simons and anyonic superconductivity
[DE90-010663] 08 p1231 N91-16787
LYMAN, C. E.
Analytical electron microscopy of catalyst preparations
[DE91-014126] 20 p3311 N91-28328
LYMAN, J. L.
Methane to methanol conversion by direct partial oxidation
[DE91-007352] 11 p1680 N91-19257
LYMAN, JOHN
Distributed problem solving: Adaptive networks with a computer intermediary resource
[AD-A226346] 04 p0570 N91-13166
LYMAN, JOHN L.
Methane to methanol conversion
[DE91-004843] 07 p0987 N91-15419
LYNCH, A. W.
An exploratory program for using hydrous metal oxide ion exchangers as Fischer-Tropsch catalysts
[DE91-002341] 05 p0635 N91-13521
LYNCH, COLLEEN D.
Characterization of blood drawn rapidly for use in blood volume expansion studies: An animal model for simulated weightlessness 14 p2204 N91-22175
LYNCH, D. C.
Cold plasma processing of local planetary ores for oxygen and metallurgically important metals
16 p2593 N91-24369
Innovative techniques for the production of energetic radicals for lunar materials processing including photogeneration via concentrated solar energy
16 p2593 N91-24370
Compression of Martian atmosphere for production of oxygen 16 p2595 N91-24377
Chlorination processing of local planetary ores for oxygen and metallurgically important metals
17 p2748 N91-25207
Cold plasma processing of local planetary ores for oxygen and metallurgically important metals
17 p2751 N91-25225
Innovative techniques for the production of energetic radicals for lunar materials processing including photogeneration via concentrated solar energy
17 p2752 N91-25233
LYNCH, D. L.
Photoelectron spectroscopy of excited molecular states
[DE90-012088] 09 p1395 N91-17673
LYNCH, DANA H.
Apparatus for precision focusing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB]
05 p0717 N91-14002
LYNCH, DAVID K.
The 10 micron spectral structure in comets
06 p0906 N91-15004
Comparison of P/Brorsen-Metcalf and P/Halley in the thermal infrared 12 p2004 N91-21027
Silicates and variability in comets Okazaki-Levy-Rudenko (1989r) and Austin (1989c1)
12 p2004 N91-21031
LYNCH, GARY
Synaptic plasticity and memory formation
[AD-A230617] 12 p1930 N91-20619
LYNCH, HARRY J.
Strategies to sustain and enhance performance in stressful environments
[AD-A232698] 15 p2476 N91-23714
LYNCH, J. T.
High performance packages for space applications
24 p3993 N91-32311
LYNCH, JAMES D.
Statistical models and inference procedures for structural and materials reliability
[AD-A232634] 15 p2496 N91-23827
LYNCH, MICHAEL T.
A linear accelerator in the space: The beam experiment aboard rocket
[DE91-002347] 05 p0715 N91-13988
LYNCH, NANCY
Bounds on the time to reach agreement in the presence of timing uncertainty
[AD-A229766] 12 p1957 N91-20764
Are wait-free algorithms fast
[AD-A232829] 15 p2487 N91-23774
LYNCH, NANCY A.
Multivalued possibilities mappings
[AD-A226110] 04 p0563 N91-13124
Using mappings to prove timing properties
[AD-A234404] 18 p3040 N91-26780
LYNCH, PETER
Initialization of the HIRLAM model using a digital filter
[DM-57] 23 p3896 N91-31747
LYNCH, PRISCA L.
Thin layer Navier-Stokes solutions for transonic multibody interference
[AD-A234252] 24 p3949 N91-32072
LYNCH, S. P.
Sustained-load crack growth of 8090 aluminium-lithium alloy plate in dry air at 50-200 C
[RAE-TR-90033] 05 p0679 N91-13777
LYNCH, T.
Evaluation of significant anthropogenic sources of radiatively important trace gases
[PB91-127753] 11 p1736 N91-19545
LYNCH, V. E.
Plasma turbulence calculations on the Intel iPSC/860 (RX) hypercube
[DE91-004773] 07 p1070 N91-15884
Effect of the aspect ratio on the stability limits of TJ-II-like stellarators
[DE91-011364] 17 p2868 N91-25867
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
LYNDS, C. R.
A study of the compact group of galaxies Shahbazian 4
08 p1249 N91-16877
LYNDS, L.
Phenomenology of forces acting between magnets and superconductors
[DE90-017864] 02 p0265 N91-11487
Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800
LYNER, A. G.
NICAM 728: Factors affecting the assessment of UHF transmitter linearity
[BBC-RD-1990/9] 08 p1126 N91-16190
LYNESS, J. N.
Extrapolation-based boundary element quadrature
[DE91-011175] 17 p2847 N91-25735
LYNESS, JAMES N.
A search for good lattice rules based on the reciprocal lattice generator matrix
[DE91-004425] 08 p1235 N91-16809
LYNN, K. G.
Slow positron studies of hydrogen activation/passivation on SiO2/Si(100) interfaces
[DE91-010974] 17 p2871 N91-25882
Liquid and solid Ga and Bi studies with a variable energy positron beam
[DE91-016910] 24 p4096 N91-32889
LYO, K.
Nonparabolic conduction bands and masses in strained-single-quantum wells
[DE90-017028] 02 p0277 N91-11560
LYO, S. K.
Light-heavy-hole-mixing-induced selection rules for magneto-luminescence and valence-band energy dispersion in semiconductor quantum wells
[DE90-015989] 02 p0280 N91-11573
Ground-state in-plane light-holes in GaAs/AlGaAs structures
[DE91-016408] 23 p3933 N91-31980
LYON, J. F.
Review of recent stellarator results in the USA, the USSR, and Japan
[DE91-007798] 11 p1803 N91-19901
Transport analysis of stellarator reactors
[DE91-010489] 15 p2511 N91-23914
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
LYON, MARK
Computer-based instruction Authoring Tools System (CATS): Student guide
[AD-A225782] 04 p0562 N91-13116
LYON, S. P.
New multiphase equation of state for polycrystalline quartz
[DE91-001048] 06 p0813 N91-14490
LYON, STEVE A.
Photovoltaic quantum well infrared photodetectors
06 p0795 N91-14393
LYONS, A. T.
Long-term orbital lifetime predictions
[NASA-TP-3058] 01 p0015 N91-10092
LYONS, J. S.
Development of continuous fiber reinforced silicon nitride
[DE91-001156] 04 p0498 N91-12764
LYONS, JAMIE H.
In situ measurements of ship tracks
01 p0086 N91-10507
LYONS, JED SCOTT
Micromechanical studies of crack growth in a ceramic matrix composite 04 p0496 N91-12756
LYONS, JOSEPH B., JR.
Air-Surface-Missile data link system
[AD-D014920] 22 p3662 N91-30385
LYONS, P. B.
Radiation-induced attenuation of high-OH optical fibers after hydrogen treatment in the presence of ionizing radiation
[DE91-016093] 24 p4102 N91-32921
LYONS, RUTH MARIE
A bibliography of the NIST electromagnetic fields division publications
[PB91-132241] 14 p2258 N91-22488
LYRINTZIS, A. S.
Transonic blade-vortex interactions noise: A parametric study
[NASA-CR-187713] 05 p0617 N91-13422
A parametric study of transonic blade-vortex interaction noise
[NASA-CR-188811] 23 p3924 N91-31928
LYRINTZIS, ANASTASIOS S.
A study of the noise mechanisms of transonic blade-vortex interactions
[NASA-CR-188199] 15 p2364 N91-23084
LYSAGHT, ROBERT J.
Artificial intelligence for command and control
[AD-A229342] 22 p3740 N91-30834
LYSEJKO, M.
An 8 bit high performance ADC in silicon on sapphire
24 p3992 N91-32302
LYTLE, FRED E.
Asynchronous optical sampling for laser-based combustion diagnostics in high-pressure flames
[AD-A229045] 09 p1310 N91-17188
LYU, H. Y.
Wick-type liquid-metal combustion
[AD-A236204] 19 p3126 N91-27271

M

MA, BAO-TONG
Superplastic formability of Al-Cu-Li alloy Weldalite (TM) 049
[NASA-CR-4367] 14 p2246 N91-22426
MA, C.
Crustal Dynamics Project data analysis, 1990
[NASA-TM-100765] 06 p0847 N91-14679
MA, C. H.
Inversion of chordal data from the ATF torsatron
[DE91-010490] 15 p2511 N91-23915
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
MA, C. Y.
Characterization of rocket propellant combustion products: Description of sampling and analysis methods for rocket exhaust characterization studies
[DE91-002536] 05 p0644 N91-13574
MA, CHUNG-CHUN
Models of planetary wave propagation in the middle atmosphere 15 p2461 N91-23639
MA, D. C.
Sloshing response in a tank containing two liquids
[DE91-011844] 18 p2986 N91-26487
Response of seismic-isolated structures under long-period motions
[DE91-015673] 23 p3884 N91-31674
MA, DAVID I.
Monolithic multichannel detector amplifier arrays and circuit
[AD-D014566] 06 p0820 N91-14528
MA, DEREN
Dynamic behavior of the human body subjected to impact conditions with and without restraint
04 p0459 N91-12568
Computer simulations of an aircraft occupant-restraint system 10 p1455 N91-18021

MA, G. H. M.
Annealing effects on the microstructure of titanium electrical contacts on diamond films
[DE91-010150] 21 p3484 N91-29327
MA, QING
Effect of grain boundary structure on grain boundary diffusivities in the Au/Ag system
[DE91-005785] 09 p1413 N91-17780
MA, REI
Experimental research on digital control of engine JT15D-4
[AD-A225342] 04 p0481 N91-12681
MA, S.
Model filled polymers versus synthesis of crosslinked monodisperse polymethacrylate beads
[AD-A227236] 08 p1118 N91-16146
MA, SHENMIN
Model filled polymers 9: Synthesis of uniformly crosslinked polystyrene microbeads
[AD-A237472] 21 p3488 N91-29352
MA, W. H.
Antiproton-induced elastic and inelastic scattering at intermediate energies
[DE91-013068] 20 p3401 N91-28849
MA, YIPING
A simulation of the flow near a burning propellant in a solid propellant rocket motor 02 p0189 N91-11056
MA, YU-QUIANG
Trimodal random-field Ising systems in a transverse field
[AD-A235038] 18 p3055 N91-26875
MAAG, CARL R.
Measured space environmental effects to LDEF during retrieval 16 p2706 N91-24976
MAAOEY, ARVE
Design of a processing facility for synthetic aperture radar data at the Tromso ERS-1 ground station
13 p2029 N91-21161
MAARI, SAMI
Four-legged surface-climbing robot for the inspection of aging aircraft 10 p1453 N91-18010
MAARI, SAMI M.
Design of a wall-scaling robot for inspection and maintenance
[NIAR-90-22] 07 p1012 N91-15557
MAARTENSE, I.
Fabrication and characterization of high temperature superconducting thin films for sensors and electronics
05 p0724 N91-14041
MAAS, ADRIANUS ANTONIUS MARIA
Phase shifting speckle interferometry
[ETN-91-99425] 17 p2790 N91-25439
MAAS, R.
Local closed orbit bumps in AmPS
[NIKHEF-K/AMPS/90-01] 05 p0626 N91-13471
Required accuracy of tune measurement and parametrization of chromaticity control
[NIKHEF-K/AMPS/91-05] 22 p3671 N91-30439
The timing of injection kickers
[NIKHEF-K/AMPS/91-04] 23 p3927 N91-31943
MAASCH, KIRK A.
Nonlinear dynamics of global atmospheric and Earth-system processes 08 p1183 N91-16510
Nonlinear dynamics of global atmospheric and Earth-system processes 24 p4061 N91-32687
MAASS, H.
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
MABEY, D. G.
Interaction between the canard and wing flow on a model of a typical combat aircraft 06 p0782 N91-14334
MABSON, G. E.
Thermal-vacuum effects on polymer matrix composite materials 16 p2717 N91-25044
MACAIONE, DOMENIC P.
Flammability characteristics of fiber-reinforced composite materials for the composite infantry fighting vehicle
[AD-A227783] 08 p1105 N91-16068
MACAL, C. M.
Evaluation of knowledge-based system development tools
[DE91-017241] 24 p4092 N91-32860
MACALLISTER, CRAIG M.
Computer graphics adaptation of several aerodynamic prediction programs
[AD-A225302] 03 p0406 N91-12264
MACARI, EMIR JOSE
Technique for assessing vegetation-induced moisture flux, with implications for global climate modeling
10 p1631 N91-18994
MACARTHUR, D. W.
Practical noise control in electronic systems
[DE91-010947] 17 p2770 N91-25330
MACAU, J. P.
IAL space facilities for thermal vacuum testing
07 p0952 N91-15234
IAL SPACE: A test laboratory for the ISO cryogenic payload 11 p1659 N91-19142
The space simulation facilities at IAL SPACE
11 p1661 N91-19151
MACCAGNO, T. M.
Rejuvenation of service exposed alloy 713C turbine blades
[NAE-LTR-ST-1716] 21 p3458 N91-29179
MACCALLUM, TABER
Biosphere 2 test module experimentation program
05 p0691 N91-13845
MACCHETTO, F. D.
Cool infalling gas and its interaction with the hot ISM of elliptical galaxies 08 p1256 N91-16915
Dust and ionized gas in active radio elliptical galaxies
08 p1256 N91-16919
IC5063: A merger with a hidden luminous active nucleus 08 p1257 N91-16923
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
MACCONOCHIE, IAN O.
Filament wound metal lined propellant tanks for future Earth-to-orbit transports
[NASA-TM-100594] 01 p0018 N91-10106
Design, fabrication, and tests of a metallic shell tile thermal protection system for space transportation
[NASA-TM-101537] 16 p2566 N91-24229
MACCRACKEN, M. C.
Ten key questions indicating the level of current uncertainty in forecasting climatic change
[DE91-010124] 16 p2660 N91-24717
MACCRACKEN, MICHAEL C.
Climate Caucus report: Opportunities for bridging the gaps from effects to impacts
[DE90-010877] 08 p1173 N91-16459
Greenhouse gases: Changing the global climate
[DE90-011459] 09 p1357 N91-17455
Uncertainties in forecasting future climate
[DE91-005225] 10 p1544 N91-18498
Geoengineering the climate
[DE91-017654] 24 p4043 N91-32589
MACDIARMID, ALAN G.
New developments in the synthesis and doping of polyacetylene and polyaniline
[AD-A233702] 18 p2945 N91-26244
Polyaniline: Synthesis and properties of pernigraniline
[AD-A233706] 18 p2945 N91-26245
Polyaniline: Allowed oxidation states
[AD-A233842] 18 p2946 N91-26251
Thermal transitions and mechanical properties of the films of chemically prepared polyaniline
[AD-A233807] 18 p2959 N91-26329
Polyaniline: Pernigraniline, an isolable intermediate in the conventional chemical synthesis of emeraldine
[AD-A233840] 18 p2959 N91-26330
Light induced electron spin resonance in polyaniline
[AD-A233847] 18 p2959 N91-26331
Thermal stabilities of polyanilines
[AD-A233849] 18 p2960 N91-26333
Synthetic metals: A novel role for organic polymers
[AD-A233862] 18 p2960 N91-26334
Electron localization in polyaniline and its derivatives
[AD-A233934] 18 p2960 N91-26335
Structure, order and the metallic state in polyaniline and its derivatives
[AD-A233935] 18 p2960 N91-26336
Impedance profiling: A convenient technique for determining the redox or protonic acid doping characteristics of conducting polymers
[AD-A233941] 18 p2960 N91-26337
Novel concepts in electronic polymers: Polyaniline and its derivatives
[AD-A234214] 18 p2960 N91-26339
Spectroscopy and photoexcitation spectroscopies of polyaniline: A model system for new phenomena
[AD-A234215] 18 p2961 N91-26340
Ring-torsional polarons in polyaniline and polyparaphenylene sulfide
[AD-A234384] 18 p2961 N91-26345
Polyaniline: Oriented films and fibers
[AD-A234414] 18 p2962 N91-26347
Polyaniline: Inter-relationship between ultra-structure and properties
[AD-A236993] 19 p3143 N91-27370
MACDONALD, D. D.
Solid polymer electrolytes for rechargeable batteries
[DE91-010231] 15 p2417 N91-23384
MACDONALD, KEN C.
Quantitative assessment of the slope resolution of seafloor mapping systems
[AD-A231776] 14 p2292 N91-22676
MACDONALD, R.
Z usage and abusage
[RSRE-91003] 22 p3729 N91-30755
MACDONALD, RAINER
Nonlinear optic effects in liquid crystals
[ETN-91-98923] 11 p1799 N91-19878
MACDONALD, ROBERT B.
The RICIS concept 10 p1567 N91-18617
MACDONALD, ROBERT H.
NDRE/TAII processor architecture study
[FFI-90/7012] 05 p0699 N91-13891
MACDORAN, P. F.
Codeless GPS Applications to Multi-Path: CGAMP
03 p0352 N91-11967
MACDORAN, PETER
SALT orbit determination covariance analysis using GPS tracking
[AD-A237899] 22 p3627 N91-30180
MACDOUGALL, J. D.
Evaluation of alternative methods for increasing tolerance to +Gz acceleration, phase 2
[CTN-91-60128] 22 p3720 N91-30704
Evaluation of alternative methods for increasing tolerance to +Gz. A preliminary study of dynamic leg exercise
[CTN-91-60213] 22 p3720 N91-30707
MACDOWELL, L. G.
Localized corrosion of high performance metal alloys in an acid/salt environment 15 p2539 N91-24066
MACDOWELL, LOUIS G., III
Evaluation of candidate alloys for the construction of metal flex hoses in the STS launch environment
[NASA-TM-103808] 01 p0026 N91-10157
MACE, G.
Computer dialogue techniques for satellite operations
14 p2222 N91-22285
MACE, W. D., JR.
Heavy rain effects on airplane performance
03 p0302 N91-11686
MACELROY, ROBERT D.
Controlled Ecological Life Support Systems: Natural and Artificial Ecosystems
[NASA-CP-10040] 16 p2665 N91-24744
Controlled Ecological Life Support Systems: CELSS '89 Workshop
[NASA-TM-102277] 23 p3901 N91-31775
MACFARLANE, R. E.
Coupled proton/neutron transport calculations using the S(sub N) and Monte Carlo methods
[DE91-009949] 14 p2326 N91-22849
Radiation exposure and protection for moon and Mars missions
[DE91-011346] 17 p2823 N91-25599
UPD: A portable version-control program
[DE91-011046] 17 p2888 N91-25968
MACGILL, R. A.
Broad-beam, high current, metal ion implantation facility
[DE91-009329] 13 p2052 N91-21291
MACGOWAN, B.
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557
MACGOWAN, B. J.
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-006710] 09 p1343 N91-17380
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-007146] 11 p1712 N91-19429
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
MACGREGOR, DONALD
Arithmetic skills in using algorithms
[AD-A226272] 04 p0564 N91-13129
MACGREGOR, JOHN DONALD, III
A three-dimensional viscous flow model of stator/rotor interaction in turbomachines 23 p3864 N91-31547
MACGREGOR, RODERICK D.
Synthesis of a self-assembling supramolecular lattice
[AD-A236358] 19 p3158 N91-27461

MACH, H.
Study of the absorption lines widened by the effect of pressure, emitted by the combustion gases of propulsive powders
[ISL-R-124/89] 13 p2043 N91-21237
MACHA, J.
An introduction to testing parachutes in wind tunnels
[DE91-009166] 14 p2189 N91-22094
MACHABELI, G. Z.
Matter penetration and motion through the magnetosphere of neutron star
06 p0921 N91-15087
On the existence of circular polarisation in the pulsar radiation 06 p0921 N91-15088
On the possibility of discovering pulsed radiation from SN 1987A 06 p0923 N91-15102
MACHADO, F. L. A.
Electrical resistivity, magnetic susceptibility, and thermoelectric power of PtGa2
[AD-A225035] 03 p0359 N91-12009
MACHADO, PETER
Quick disconnect pressure cap
[AD-D014936] 21 p3528 N91-29598
MACHELL, R. M.
EVA/robotics integration for Space Station Freedom
15 p2451 N91-23583
MACHI, T.
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
MACHIDA, M.
Multiple Application Intense Particle Beam Project
[INPE-4576-RPE/568] 02 p0269 N91-11510
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-628758] 02 p0271 N91-11524
MACHINA, M.
Electrojet modulation ELF communications
10 p1554 N91-18546
MACHINSKIY, G. V.
Functional testing during yearlong antiorthostatic hypokinesia 19 p3208 N91-27732
MACHLAB, HASSANAYN
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737
MACHO, L.
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station)
11 p1761 N91-19689
MACIAS, L. F.
Remote sensing of natural hydrocarbon seepage at the Palm Valley Gas Field, Amadeus Basin, central Australia
19 p3198 N91-27680
MACIAZSEK, T.
A new generation of radiators
[REPT-911-440-105] 15 p2388 N91-23220
MACIEJEWSKI, ANTHONY A.
Archimedes: An experiment in automating mechanical assembly
[DE90-009001] 09 p1375 N91-17556
MACINTOSH, D.
Recent improvements to the RAF air transport force
10 p1464 N91-18072
MACINTOSH, ROBERT
Atomic layer epitaxy of silicon, silicon/germanium, and silicon carbide via extraction/exchange processes
[AD-A231348] 13 p2163 N91-21927
MACIOR, ROBERT
Cathode life test facility users manual operating and measurement procedures
[AD-A232506] 16 p2619 N91-24502
MACK, ALLAN J.
XSHELL: A general purpose expert system shell
[AD-A228454] 08 p1203 N91-16616
MACK, INGHAM A.
Monolithic multichannel detector amplifier arrays and circuit
[AD-D014566] 06 p0820 N91-14528
MACK, J. M.
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486
MACK, R. G.
Interaction of copper with a vapor deposited polyimide film
[AD-A225819] 04 p0501 N91-12781
MACK, ROBERT J.
A semiempirical method for obtaining fuselage normal areas from fuselage Mach sliced areas
[NASA-TM-4228] 05 p0619 N91-13433
A methodology for designing aircraft to low sonic boom constraints
[NASA-TM-4246] 10 p1470 N91-18105
MACKALL, DALE A.
A knowledge-based system design/information tool for aircraft flight control systems 17 p2734 N91-25139
MACKAY, G.
Advances in SEM beam micro-irradiation
24 p4000 N91-32360
MACKAY, S. A.
Using the Harmony operating system: Release 3.0
[ERA-377] 21 p3562 N91-29799
MACKE, A.
Activities report of the Max-Planck Institute for Aeronomy
[ETN-91-98383] 05 p0769 N91-14272
MACKENTY, JOHN W.
The environments of Markarian galaxies
08 p1250 N91-16881
MACKENZIE, ANGUS ROBERT
The small system modelling of the polluted planetary boundary layer 03 p0439 N91-12453
MACKENZIE, C. W.
Load tables for the Avery and Gilmore standard force machines corrected for gravity, 1989
[NAE-LTR-ST-1703] 21 p3518 N91-29535
Description of computer programs used to analyze and plot Spectrapot data files
[NAE-ST-557] 21 p3553 N91-29744
MACKENZIE, COLIN W.
QBDATAMT: A computer program to read Datamyte recorder data into an IBM PC or compatible computer
[NAE-LTR-ST-547] 21 p3553 N91-29742
MACKENZIE, J. D.
International collaboration program on innovative chemical processing of superior electronic and optical materials
[AD-A235030] 18 p2949 N91-26276
MACKENZIE, JOHN D.
Preparation and properties of new inorganic glasses and gel-derived solids
[AD-A238095] 21 p3489 N91-29360
MACKEY, H. E., JR.
Wetlands mapping with spot multispectral scanner data
[DE91-000780] 04 p0545 N91-13024
MACKEY, JAMES E.
Test images for the maximum entropy image restoration method 10 p1631 N91-18995
MACKIN, CLIFFORD W.
Results of MLS/ILS comparison flight test at the Yuma MCAS, Arizona
[DOT/FAA/CT-TN91/10] 24 p3954 N91-32092
MACKIN, MICHAEL
Description of real-time Ada software implementation of a power system monitor for the Space Station Freedom PMAD DC testbed
[NASA-TM-105157] 20 p3389 N91-28776
MACKIN, THOMAS JAMES
Fractals and fracture 09 p1350 N91-17416
MACKINNON, C. G.
Effects of external forcing on entrainment ratio and fluid composition in turbulent shear layers
[AD-A236487] 19 p3164 N91-27495
MACKINNON, ROBERT J.
In situ vitrification: Numerical studies of coupled heat transfer and viscous flow processes
[DE91-001888] 07 p1002 N91-15501
MACKNIGHT, WILLIAM J.
Synthesis, structure, and properties of segmented polyurethanes
[AD-A230966] 13 p2057 N91-21319
MACKOWIAK, C. L.
Effects of atmospheric CO2 on photosynthetic characteristics of soybean leaves
23 p3902 N91-31780
Effects of elevated atmospheric carbon dioxide concentrations on water and acid requirements of soybeans grown in a recirculating hydroponic system
23 p3902 N91-31781
MACKULIN, M. J.
Maximum life spur gear design
[NASA-TM-104361] 15 p2439 N91-23514
MACKUSE, FRANCES
Flight Service Automation System (FSAS) Model 1 Full Capacity (M1FC) Operational Test and Evaluation (OT/E)/integration test report
[DOT/FAA/CT-TN90/45] 14 p2191 N91-22100
MACKUSE, FRANCES A.
Runway Visual Range (RVR) Operational Test and Evaluation (OT and E)/integration test plan
[DOT/FAA/CT-TN91/4] 20 p3287 N91-28176
MACLAREN, J. M.
Real-space multiple scattering theory calculations of LEED (Low-Energy Electron Diffraction) intensities for stepped surfaces
[DE91-000810] 05 p0713 N91-13978
MACLAREN, L. D.
A FORTRAN program for spectral analysis using the fast Fourier transform
[AD-A236848] 19 p3231 N91-27861
F/A-18 1/9th scale model tail buffet measurements
[ARL-FLIGHT-MECH-R-188] 22 p3622 N91-30149
MACLAREN, STEPHAN A.
Development of an external beam ion milliprobe
[AD-A227247] 08 p1149 N91-16329
MACLAUGHLIN, D. E.
Copper NMR and hole depletion in the normal state of Y(1-x)Pr(x)Ba2Cu3O7
[DE90-016488] 01 p0130 N91-10768
Connections between magnetism and superconductivity in UBe13 doped with thorium or boron
[DE91-011416] 17 p2873 N91-25894
MACLEAN, DONALD F.
Automatic Dependent Surveillance (ADS) development in Canada 24 p3956 N91-32104
MACLEAN, T. S. M.
Passive microwave devices using high temperature superconductors 05 p0723 N91-14036
MACLIN, E. L.
Noninvasive studies of human visual cortex using neuromagnetic techniques
[DE91-001856] 07 p1035 N91-15680
MACLOW, MORDECAI-MARK
Evolution of a superbubble blastwave in a magnetized medium 05 p0750 N91-14180
MACMILLAN, H. F.
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
MACNEIL, J.
Research on stable, high-efficiency, large-area, amorphous-silicon-based submodules
[DE91-002167] 22 p3700 N91-30603
MACOMB, DARYL JACK
Tests and applications of Cherenkov imaging in TeV astronomy 01 p0136 N91-10807
MACONE, D.
Air combat environment test and evaluation facility and the development of the offensive sensors laboratory
[DE91-011398] 20 p3286 N91-28173
MACPHERSON, J. I.
NAE Twin Otter operations in FIFE 1989
[NASA-CR-188770] 21 p3456 N91-29169
NAE Twin Otter operations in the 1988 Eulerian model evaluation field study
[NAE-LTR-FR-107] 21 p3537 N91-29651
MACPHERSON, J. IAN
A comparison of surface sensible and latent heat fluxes from aircraft and surface measurements in FIFE 1987
[NASA-CR-187365] 03 p0383 N91-12136
Wind and flux calculations of the NAE Twin Otter
[NAE-LTR-FR-109] 21 p3460 N91-29189
MACPHERSON, MARTYN TAYLOR
Remote sensing system
[EP-PATENT-0-324-583-A2] 07 p1022 N91-15611
MACRAE, GREGORY S.
Status of structural analysis of 30 cm diameter ion optics
[NASA-TM-103618] 03 p0323 N91-11796
Laser interferometric measurement of ion electrode shape and charge exchange erosion
[NASA-TM-105165] 23 p3873 N91-31605
MACRANDER, A. T.
A simple sagittal focusing crystal which utilizes a bimetallic strip
[DE91-017324] 24 p4111 N91-32975
MACRET, J. L.
Oxidation resistant carbon/carbon materials
03 p0328 N91-11824
MACRET, JEAN-LUC
Carbon-carbon material with oxidation protection
[REPT-911-430-103] 15 p2394 N91-23249
Oxidation resistant carbon/carbon materials
[REPT-911-430-105] 15 p2394 N91-23251
Materials and structure for Hermes
[REPT-911-430-117] 15 p2395 N91-23258
MACY, R. J.
Development of a high-imaging speed SEM for dynamically loaded materials
[AD-A229244] 10 p1535 N91-18451
MADAN, R. C.
Test results for composite specimens and elements containing joints and cutouts
[NASA-CR-178246] 21 p3472 N91-29254
MADARAS, ERIC
Overall goals 20 p3299 N91-28246
MADAVAN, NATERI K.
Prediction of turbine rotor-stator interaction using Navier-Stokes methods 02 p0151 N91-10881
MADDALON, DAL V.
Laminar-flow flight experiments
16 p2551 N91-24135
Evaluation of cloud detection instruments and performance of laminar-flow leading-edge test articles during NASA Leading-Edge Flight-Test Program
[NASA-TP-2888] 16 p2560 N91-24199

MADDEN, D.
Auroral boundary index from 1983 to 1990
[AD-A232845] 15 p2465 N91-23660
MADDEN, JOHN F., III
Rotor and control system loads analysis of the XV-15 with the advanced technology blades
[NASA-TM-102876] 20 p3279 N91-28134
MADDEN, SUZANNE C.
A multi-transition study of the cyclic molecule cyclopropenylidene (C3H2) in the galaxy
03 p0437 N91-12446
MADDOCKS, J. R.
Characterizing He 2 flow through porous materials using counterflow data
[NASA-CR-188453] 16 p2627 N91-24545
MADDOCKS, JOHN
Control of complex multibody spacecraft
[AD-A224707] 03 p0320 N91-11791
MADDOCKS, M. C. D.
Digital audio broadcasting: The first UK field trial
[BBC-RD-1991/2] 17 p2766 N91-25311
Interference protection requirements for terrestrial microwave links in the UK private-user frequency bands
[BBC-RD-1991/1] 17 p2766 N91-25312
MADDOX, ANTHONY B.
Encouraging the pursuit of advanced degrees in science and engineering: Top-down and bottom-up methodologies 19 p3271 N91-28095
MADEJSKY, RAINER
Stellar kinematics of elliptical galaxies in pairs
08 p1245 N91-16862
MADEY, JOHN M.
Research on advanced sources and applications
[AD-A225997] 04 p0529 N91-12931
MADHUKAR, A.
Kinetic aspects of lattice mismatch in molecular beam epitaxial growth on planar and patterned substrates
[AD-A231636] 13 p2164 N91-21934
MADI, FRANK J.
Update on results of SPRE testing at NASA Lewis
[NASA-TM-104425] 19 p3114 N91-27208
MADLAND, D. G.
Theoretical descriptions of neutron emission in fission
[DE91-008580] 12 p1979 N91-20890
MADNIA, C. K.
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-188599] 17 p2776 N91-25364
MADNIA, CYRUS K.
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-187674] 05 p0658 N91-13656
MADORE, BARRY F.
Computing and data processing
24 p4120 N91-33028
MADRZYKOWSKI, DANIEL
Evaluation of exit signs in clear and smoke conditions
[PB90-269523] 09 p1275 N91-17006
MADSEN, V. A.
Theoretical studies in nuclear physics
[DE91-013909] 20 p3405 N91-28873
MADSEN, W. W.
A preliminary stage configuration for a Low Pressure Nuclear Thermal Rocket (LPNTR)
[DE91-006110] 10 p1491 N91-18210
A case for Mars: A case for nuclear thermal rockets
[DE91-006143] 10 p1491 N91-18211
MADSEN, WARREN W.
Pressure fed nuclear thermal rockets for space missions
[DE91-001847] 07 p0965 N91-15302
MADSON, MICHAEL D.
TranAir: Recent advances and applications
02 p0147 N91-10862
MADURA, J.
Assessment and forecasting of lightning potential and its effect on launch operations at Cape Canaveral Air Force Station and John F. Kennedy Space Center
24 p4064 N91-32704
MADYCH, W. R.
Multivariate multiscale analysis
[AD-A229502] 22 p3743 N91-30857
MADZSAR, GEORGE C.
Vibrational testing of optical fiber connector joints
[NASA-TM-103654] 06 p0873 N91-14829
Determination of alloy content from plume spectral measurements
[NASA-TM-104442] 16 p2588 N91-24341
Spectroscopic wear detector
[NASA-CASE-LEW-15200-1] 24 p3968 N91-32167
MAEDA, H.
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
MAEDA, MUTSUMI
Comb-like polymers containing NLO active pendant groups
[AD-A226514] 04 p0509 N91-12829
MAEDA, S.
Evaluation of thermomechanical properties of functionally gradient material under high temperature difference 03 p0333 N91-11863
Soft x ray emission from a gas-puff z-pinch plasma
19 p3249 N91-27970
MAEDA, SADAO
Generation of pulsed ion beams by an inductive storage pulsed power generator 11 p1802 N91-19891
MAEGAARD, BENTE
Fields of application of the processing of natural languages with the help of artificial intelligence
17 p2875 N91-25906
MAEHLUM, B. N.
Vehicle charging in low density plasmas
10 p1552 N91-18534
MAEHLUM, BERNT N.
Norwegian studies of plasma modifications around spacecraft and how these affect the vehicle potential
13 p2030 N91-21166
MAEJIMA, MAKOTO
Trimmed sums of mixing triangular arrays with stationary rows
[AD-A226257] 04 p0573 N91-13182
Hoelder continuity of sample paths of some self-similar stable processes
[AD-A225989] 04 p0577 N91-13208
Characterizations of one-sided fractional Levy motions
[AD-A225990] 04 p0577 N91-13209
MAELAND, A. J.
Comparison of hydrogen diffusion in Ti2PdH(x) to the behavior for Ti2CuH(x) and Zr2PdH(x)
[DE91-002711] 08 p1235 N91-16808
MAES, H. E.
New developments in non-volatile semiconductor memory technologies and devices
24 p3991 N91-32295
MAES, J.
An assay for bone cell differentiation in vitro as a tool for microgravity studies in space
11 p1752 N91-19637
MAES, P.
Symbolic generation of aircraft simulation programmes
07 p1044 N91-15727
MAESTRE, M. F.
Circular Intensity Differential Scattering (CIDS) measurements in the soft x ray region of the spectrum (approximately 16 eV to 500 eV)
[DE91-016429] 24 p4101 N91-32915
MAESTRELLO, LUCIO
Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] 06 p0826 N91-14562
MAETHNER, MANFRED
Investigation of actions to reduce noise emissions in ultralight aircrafts
[UBA-FB-105-05-303] 04 p0579 N91-13224
MAETZLER, C.
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
MAFFEZZONI, C.
Designing logic controllers with Petri nets
[REPT-90-029] 15 p2483 N91-23747
A CAD system to design logic controllers
[REPT-90-042] 16 p2667 N91-24756
Dynamic simulation of robots interacting with stiff contact surfaces
[REPT-90-052] 22 p3745 N91-30871
Recursive estimation of time delay in sampled systems
[REPT-90-046] 22 p3747 N91-30887
MAFFIOLI, F.
Tabu-search and simulated annealing for the quadratic assignment problem
[REPT-89-028] 01 p0113 N91-10658
MAFFIOLI, FRANCESCO
Constructing an exact parity base IS in RNC(sup 2)
[REPT-91-022] 22 p3737 N91-30816
Weighted k-cardinality trees
[REPT-91-023] 22 p3745 N91-30868
MAGAGNATO, F.
Computation of axisymmetric base flow with different turbulence models 06 p0775 N91-14298
MAGALHAES, ANTONIO M.
Multicolor optical polarimetry of reddened stars in the small Magellanic cloud 06 p0902 N91-14986
MAGANA, MARIO E.
Feasibility study of robotic neural controllers
10 p1631 N91-18996
MAGDALENO, RAYMOND E.
Aeroservoelastic stabilization techniques for hypersonic flight vehicles
[NASA-CR-187614] 22 p3623 N91-30156
MAGDICH, L. N.
Intracavity second-harmonic generation by laser with optical delay line and mode locking
11 p1788 N91-19808
MAGE, J. C.
High Tc superconductors for microwave filters
05 p0723 N91-14038
MAGEDOV, V.
Review of EEG studies in non human primates exposed to microgravity 11 p1754 N91-19649
MAGEDOV, V. S.
Features of terrestrial nighttime sleep of monkeys and sleep during space flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27728
MAGEE, D.
Experimental investigations of the effects of cutting angle on chattering of a flexible manipulator
22 p3687 N91-30529
MAGGI, M.
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551
MAGLIOZZI, B.
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 5: Propagation of propeller tone noise through a fuselage boundary layer
[NASA-CR-185195] 15 p2501 N91-23852
MAGNANI, G.
Dynamic simulation of robots interacting with stiff contact surfaces
[REPT-90-052] 22 p3745 N91-30871
MAGNANI, N. J.
Exploratory battery technology development and testing report for 1989
[DE91-006753] 11 p1698 N91-19352
Exploratory battery technology development report for FY90
[DE91-012131] 20 p3338 N91-28485
MAGNELL, BRUCE A.
Northern California coastal circulation study: Results of the pilot program: Executive summary
[PB90-261660] 09 p1369 N91-17523
Northern California coastal circulation study: Results of the pilot program
[PB90-261678] 09 p1369 N91-17524
MAGNESS, FRANK H.
Joining of polymer composite materials
[DE91-004946] 07 p0970 N91-15327
MAGNOTTA, F.
Optical and thermal energy discharge from tritiated solid hydrogen
[DE91-011188] 17 p2757 N91-25263
Enhancing atom densities in solid hydrogen by isotopic substitution
[DE91-011189] 20 p3396 N91-28824
MAGNUSON, C.
Geometric modeling application interface program
[AD-A227826] 07 p1049 N91-15759
Geometric modeling application interface program. System components operator's manual
[AD-A227827] 08 p1200 N91-16594
MAGNUSSON, ROBERT
Visualization of unsteady transonic flow by holographic interferometry using photorefractive media
[AD-A228802] 08 p1151 N91-16336
MAGOMEDOV, A. G.
Effects of hyperbaric oxygenation on central hemodynamics and oxygen consumption in severe physical trauma 11 p1740 N91-19570
MAGRI, CHRISTOPHER
An observational study of arm structure in normal spiral galaxies 15 p2528 N91-24007
MAGRINI, FABIO
Blood pressure maturation curve in normotensive rats during growth in simulated microgravitational environment 11 p1753 N91-19644
MAGRUDER, R. H.
Laser-induced fluorescence and nonlinear optical properties of ion-implanted fused silica
[DE91-004523] 09 p1317 N91-17232
MAGUIRE, M. C.
Weldability of nickel and iron aluminides
[DE90-013498] 01 p0026 N91-10153
A weldability study of Haynes Alloy no. 242
[DE90-013875] 01 p0026 N91-10154
MAGUN, A.
Berne solar observations: Solar data for January - June 1990
[REPT-57] 03 p0449 N91-12507
MAHAFFEY, MICHAEL M.
SP-100 design, safety, and testing
[DE90-015374] 09 p1398 N91-17693

MAHAFZA, BASSEM R.
Extension and upgrading of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers, volume 1
[AD-A229804] 12 p1917 N91-20544
Extension and updating of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers. Volume 2: User manual of the range relative Doppler processing simulation for MM wave seekers
[AD-A229805] 12 p1917 N91-20545
Extension and updating of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers. Volume 3: Simulation of a Doppler beam sharpening radar for MM wave seekers
[AD-A229806] 12 p1917 N91-20546
MAHAJAN, APARAJIT J.
Cascade flutter analysis with transient response aerodynamics
[NASA-TM-103746] 11 p1721 N91-19475
MAHAJAN, S.
Solutions of two-dimensional Euler equations with multigrid acceleration
[NAL-PD-CF-9006] 21 p3511 N91-29494
MAHAJAN, S. M.
Impurity and neutral effects on the dissipative drift wave in tokamak edge plasmas
[DE91-015907] 21 p3589 N91-29965
MAHALINGAM, T. R.
Glow discharge lamp: A light source for optical emission spectroscopy
[DE91-619433] 16 p2621 N91-24517
MAHAN, G. D.
Electron energies in metals
[DE91-016759] 24 p3976 N91-32214
MAHARAJ, D. Y.
The space station as a transport node
[BU-510] 14 p2234 N91-22361
MAHDAVI, M. A.
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
Recent gaseous divertor experiments in DIII-D
[DE91-011139] 17 p2867 N91-25859
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
MAHER, J. V.
The physics of pattern formation at liquid interfaces
[DE91-014529] 21 p3512 N91-29504
MAHIOUT, AMAR
Fabrication and properties of powder metallurgically manufactured aluminum products and composites
[VTT-RR-699] 05 p0637 N91-13531
MAHMOOD, RASHID
Static and dynamic finite element stress analysis of layered composite plates and shells
01 p0055 N91-10326
MAHMOT, RONALD
Transportable payload operations control center
14 p2223 N91-22294
MAHON, MARY ELAINE
H I observations of the peculiar galaxy NGC 660
08 p1251 N91-16888
MAHONEY, A. R.
Modeling laser ignition of explosives and pyrotechnics: Effects and characterization of radiative transfer
[DE90-011052] 08 p1121 N91-16161
MAHORTER, L.
Airflow model testing to determine the distribution of hot gas flow and O/F ratio across the space shuttle main engine main injector assembly 16 p2570 N91-24244
MAHRLE, P.
Heat pipe gas combustion system endurance test for Stirling engine
[PB91-161257] 17 p2806 N91-25511
MAHRT, L.
Boundary layer parameterization for a global spectral model
[AD-A235310] 18 p3012 N91-26635
MAIANI, M.
Cryostat for the gravitational antenna ALTAIR
[IFSI-90-3] 05 p0651 N91-13616
MAIDA, JAMES
Development of biomechanical models for human factors evaluations 12 p1947 N91-20713
MAIDANIK, G.
Use of radiation efficiency in noise control engineering
[AD-A225054] 03 p0415 N91-12319
Designing a negligible reflection coefficient for a uniform panel with compliant layer
[AD-A225708] 04 p0579 N91-13225
Response of regularly ribbed fluid loaded panels
[AD-A230088] 12 p1913 N91-20522
Reflection of incident pressure waves by ribbed panels
[AD-A233671] 18 p2983 N91-26469
MAIDLOW, KRISTIN
Shuttle Orbiter medical system equipment/supplies evaluation 24 p4080 N91-32793
MAIELLO, MARK L.
Rn222, Rn222 progeny and Rn220 progeny as atmospheric tracers of air masses at the Mauno Loa Observatory
[DE90-014872] 01 p0093 N91-10539
MAIER, L.
Lightning mapping system 24 p4066 N91-32713
MAIER, MICHAEL W.
Weak positive cloud-to-ground flashes in Northeastern Colorado 24 p4065 N91-32712
MAIER, R.
Electron emission in H-0-atom collisions: A coincidence study of the angular dependence
[DE91-005555] 10 p1591 N91-18775
MAIHARA, T.
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope
13 p2174 N91-22004
MAILFERT, JEAN
Parallel heuristics, physical criteria and theoretical problems
[ETN-90-98201] 04 p0576 N91-13202
MAILHIOT, C.
Small band gap superlattices as intrinsic long wavelength infrared detector materials 06 p0798 N91-14405
Applications of strained layer superlattices
[DE90-011204] 08 p1232 N91-16793
New surface atomic structures for III-V(110)-p(1 x 1)-Sb(1ML): Chemical bonding and electronic structure
[DE90-011230] 08 p1232 N91-16794
Uniaxial stress study of the quantum transitions in a strained layer (001) In0.2Ga0.8As/GaAs single quantum well
[DE91-014990] 21 p3600 N91-30033
MAILLARD, A.
Study of the time and effort signal in cutting operations
[CETIM-101580] 05 p0646 N91-13583
MAILLE, HENRI
Near ground sound propagation in wind
[CSTB-2-89-003-4] 24 p4094 N91-32871
MAILLET, KEVIN A.
An isopycnic coordinate numerical model of the Agulhas Current with comparison to observations
[AD-A236022] 19 p3205 N91-27716
MAIMAN, M.
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
MAINE, P.
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility
[DE91-001685] 05 p0665 N91-13698
MAINE, TRINDEL A.
A preliminary evaluation of an F100 engine parameter estimation process using flight data
[NASA-TM-4216] 13 p2078 N91-21446
MAIOCCHI, ROBERTO
Knowledge base approach to the synthesis of human figure motion in computer animation
[REPT-91-009] 22 p3731 N91-30773
MAIORANA, CHARLIE
The USAF STINFO program overview
[AD-A226969] 08 p1241 N91-16838
Document marking
[AD-A231150] 14 p2340 N91-22940
Abridged USAF STINFO program manager's overview manual
[AD-A232483] 15 p2525 N91-23995
The value of STINFO
[AD-A232484] 15 p2525 N91-23996
Interacting with DTIC
[AD-A232485] 15 p2525 N91-23997
MAIORANA, NICOLA
Integrated Maintenance Information System (IMIS) diagnostic module redesign
[AD-A231810] 14 p2341 N91-22942
MAIR, GEORG W.
The Hybrid Construction Systems: A contribution to the possibilities of weight reducing for metal disk frameworks by unidirectional fiber reinforcement
[ILR-MITT-254(1991)] 22 p3645 N91-30289
MAISCH, E.
Liquid motion in capillary tubes (TEXUS 3)
23 p3822 N91-31322
Liquid motion in capillary tubes (TEXUS 5)
23 p3822 N91-31323
MAISH, A. B.
PV concentrators today and tomorrow
[DE91-010577] 15 p2458 N91-23619
The Concept-90 photovoltaic concentrator module
[DE91-010852] 17 p2805 N91-25509
MAITRE, H.
On the convergence of Strat's shape from shading method
[TELECOM-90-C-004] 12 p1959 N91-20775
MAIURANO, M.
Airbreathing propulsion for transatmospheric flight
15 p2377 N91-23156
MAJCHER, GREGORY A.
Mass comparisons of electric propulsion systems for NSSK of geosynchronous spacecraft
[NASA-TM-105153] 23 p3803 N91-31212
MAJID, I.
Diffraction effects from (111) twist boundaries in gold
[DE91-005849] 09 p1414 N91-17782
MAJKRZAK, C. F.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0198 N91-11108
Specular and diffuse scattering studies of multilayer interfaces
[DE91-016893] 24 p4111 N91-32978
MAJLRZAK, C. F.
The characterization of interface roughness and other defects in multilayers by x ray scattering
[DE91-007558] 11 p1808 N91-19929
MAJORS, P. S.
The rate (time)-dependence mechanical behavior of modified 9Cr-1Mo. Part 2: Isothermal modeling at 538 C
[DE91-011100] 20 p3315 N91-28350
MAJOT, BRUNO
Incorporation of the operation safety in the industry and in a product development process inducting subcontractors
[ETN-90-97822] 01 p0033 N91-10196
MAJUMDAR, S.
The application of neutron diffraction time-of-flight measurements to the study of strain in composites
[DE91-008106] 11 p1677 N91-19242
Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378
Materials qualification technology for ceramic cross-flow filters
[DE91-017715] 24 p3980 N91-32232
MAJUMDER, ANUP
Study of gravitational collapse and cosmic ray abundances 20 p3443 N91-29105
MAJUS, JOACHIM
Technological fields and profile in space travel: Prospects for small and medium size companies
04 p0492 N91-12734
MAK, A. A.
Laser
[AD-A225393] 03 p0371 N91-12079
MAKALKIN, A. B.
Formation and evolution of the protoplanetary disk
14 p2345 N91-22964
MAKARENKO, A. YU.
Breakup of femtosecond pulses during amplification in Er(3+)-doped single-mode optical fibers
11 p1788 N91-19812
MAKEIG, SCOTT
The P300 component of the auditory event-related potential: Interlaboratory consistency and test-retest reliability
[AD-A235114] 18 p3029 N91-26725
MAKER, B. N.
NIKE3D: A nonlinear, implicit, three-dimensional finite element code for solid and structural mechanics
[DE91-009759] 14 p2279 N91-22602
MAKHLOUF, USAMA BUTROS
On the role of atmospheric gravity waves in mesospheric dynamics 04 p0546 N91-13027
MAKHNOVSKIY, V. P.
Effects of high temperature and humidity on mental state and metabolism 11 p1741 N91-19571
MAKHOUL, J.
Improvements in the BYBLOS continuous speech recognition system
[AD-A230126] 12 p1881 N91-20342
MAKI, HIROSHI
Tension-tension and delamination fatigue properties of CF/Epoxy laminates 12 p1861 N91-20227
MAKINEN, REINO
Creep and creep failure of power plant steels
[VTT-RR-685] 05 p0636 N91-13528
MAKKONEN, MATTI
Experiences in the use of several experimental methods of fatigue in project preparation
07 p1017 N91-15589
MAKO, F.
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
MAKOWIECKI, D.
Magnetron sputter deposition of boron and boron carbide
[DE91-011194] 18 p2944 N91-26241

X ray fiducial foils
[DE91-011193] 20 p3348 N91-28542
MAKOWIECKI, D. M.
Deposition controlled uniformity of multilayer mirrors
[DE90-015906] 01 p0121 N91-10718
Fabrication of advanced x ray optics with magnetron mini-source arrays
[DE91-017093] 24 p4102 N91-32919
MAKOWITZ, H.
The CERBERUS Ver. 02 code: A parallel six-equation thermal-hydraulic-system simulation code
[DE91-010079] 15 p2482 N91-23736
MAKOWITZ, HENRY
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
MAKOWSKI, M. A.
Characterization of disruptions in the Microwave Tokamak Experiment (MTX)
[DE90-010352] 08 p1227 N91-16761
RF transfer in the coupled-cavity free-electron laser two-beam accelerator
[DE91-015676] 21 p3525 N91-29583
MAKPANGOU, MESAAC
Designing application software in wide area network settings
[NASA-CR-187333] 01 p0109 N91-10633
MAKSIMOVA, T. G.
The gravitational field on the physical surface of Venus 12 p1849 N91-20163
MAKSIMOVA, YE. N.
Effect of single impacts of heavy ions of galactic cosmic rays on lactuca sativa seeds exposed on Salyut-6 and Salyut-7 stations 01 p0098 N91-10567
MAKSIMUK, V. F.
Cerebral-vascular effects of motion sickness
10 p1561 N91-18584
MALAEK, SEYYED MOHAMMAD B.
Development of a system of interactive computer programs for airplane conceptual design and advanced airplane analysis 17 p2735 N91-25144
MALANEY, R. A.
Primordial nucleosynthesis: Beyond the standard model
[DE91-007264] 11 p1818 N91-19984
Two possible problems for standard big bang nucleosynthesis
[DE91-007342] 11 p1818 N91-19985
MALANICHEV, V. A.
Local solution for the flow of an ideal fluid near a separation line
[RAE-TRANS-2181] 09 p1336 N91-17339
MALARIK, DIANE C.
Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-1] 05 p0643 N91-13566
Viscoelastic properties of addition-cured polyimides used in high temperature polymer matrix composites
[NASA-TM-103768] 14 p2238 N91-22377
MALBA, V.
Laser surface modification for selective electroplating of metal: A 2.5 m/s laser direct-write process
[DE91-014988] 21 p3483 N91-29322
MALBEQUI, P.
Use of an ARMA model in turbulent medium acoustic propagation
[ONERA-RF-14/3641-PY] 23 p3924 N91-31925
MALCOLM, GERALD N.
Forebody vortex control 14 p2192 N91-22110
MALCOM, GRANT
On induced congruences
[CS-9001] 02 p0261 N91-11460
MALEK, MIROSLAW
Quantifying fault recovery in multiprocessor systems
[NASA-CR-187681] 07 p1048 N91-15750
Redundancy management for efficient fault recovery in NASA's distributed computing system
[NASA-CR-187879] 09 p1384 N91-17611
MALEKI, L.
Computer simulations of ions in radio-frequency traps
03 p0354 N91-11975
Design of a fiber-optic transmitter for microwave analog transmission with high phase stability
03 p0354 N91-11976
MALEKI, LUTE
Ultra-stable Hg(+) trapped ion frequency standard
17 p2852 N91-25768
Local oscillator induced degradation of medium-term stability in passive atomic frequency standards
17 p2857 N91-25798
MALEKPOUR, M.
Algorithm To Architecture Mapping Model (ATAMM) multicomputer operating system functional specification
[NASA-CR-4339] 09 p1325 N91-17277
MALEKPOUR, MAHYAR R.
ATAMM enhancement and multiprocessor performance evaluation
[NASA-CR-188495] 16 p2672 N91-24788
MALEY, M. P.
Overview of the status of and prospects for high-T(sub c) wire and tape development
[DE91-014609] 20 p3433 N91-29045
MALHERBE, C.
VHF discharges in storm cells producing microbursts
24 p4049 N91-32620
MALHOTRA, SHAN
Ada software productivity prototypes: A case study
01 p0106 N91-10613
MALIK, M. R.
On the receptivity and non-parallel stability of travelling disturbances in rotating disk flow
[NASA-CR-187486] 08 p1092 N91-15996
MALIK, S. K.
Magnetic relaxation of the organic superconductor kappa-(BEDT-TTF)2Cu(N(CN)2)Br
[DE91-016528] 24 p4110 N91-32969
MALIN, JANE T.
Discrete event simulation tool for analysis of qualitative models of continuous processing systems
[NASA-CASE-MSC-21465-1] 06 p0859 N91-14741
Representing functions/procedures and processes/structures for analysis of effects of failures on functions and operations 14 p2314 N91-22780
Making intelligent systems team players: Case studies and design issues. Volume 1: Human-computer interaction design
[NASA-TM-104738-VOL-1] 22 p3722 N91-30713
MALINA, ROGER F.
The extreme ultraviolet explorer
09 p1432 N91-17885
MALINEN, H.
Use of pinch-technology in the design and calculation of heat exchanger networks
[DE91-771948] 17 p2805 N91-25506
MALININ, B. G.
Laser
[AD-A225393] 03 p0371 N91-12079
MALKE, SUSANNE
Results of the HHC wind tunnel tests, 1986 - 1988
[DLR-FB-90-42] 13 p2028 N91-21152
MALKIMAN, I. I.
Effects of work and raised CO2 combination on respiration and thermoregulation
19 p3211 N91-27749
MALKIN, V. B.
Physiological sequelae of voluntary breath holding
19 p3210 N91-27747
MALKUS, D. S.
Numerical simulation of hole pressure for a Johnson-Segalman fluid
[AD-A233164] 16 p2625 N91-24537
Analytical solution of plane Poiseuille flow of a Johnson-Segalman fluid
[AD-A234313] 18 p2983 N91-26472
MALLA, R. P.
The first geocenter estimation results using GPS measurements 03 p0353 N91-11974
MALLAK, L. A.
Why engineers must know and manage organizational culture
[DE91-012425] 20 p3437 N91-29071
MALLAT, S.
Image wavelet decomposition and applications
[NASA-CR-188217] 15 p2490 N91-23787
MALLERY, ELLEN
Advanced ECCM techniques for GPS processing
16 p2615 N91-24478
MALLET, R. H.
Experience with conventional inelastic analysis procedures in very high temperature applications
[DE91-009937] 15 p2445 N91-23545
MALLINSON, N. M.
An 8 bit high performance ADC in silicon on sapphire
24 p3992 N91-32302
MALLOUK, T. E.
Electron transfer reactions in microporous solids
[DE91-012299] 20 p3398 N91-28833
MALLOUX, ROBERT J.
Statistically thinned arrays with quantized element weights
[AD-A227965] 08 p1127 N91-16196
MALLWITZ, ROLAND
Utilization of a testing unit for the examination of SSR mode S, following a TCAS presentation
[ETN-90-97891] 03 p0310 N91-11740
Airborne Collision Avoidance System (ACAS) in controlled air traffic. Aspects of reciprocal influence in Secondary Surveillance Radar (SSR) radio loads
[ETN-91-99253] 15 p2368 N91-23105
MALMBERG, J. H.
Pure electron plasmas near thermal equilibrium
[AD-A230627] 12 p1983 N91-20910
MALON, D. M.
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719
MALONE, GLENN A.
New method of making advanced tube-bundle rocket thrust chambers
[NASA-TM-103617] 07 p0965 N91-15301
MALONE, JOHN B.
NASP aeroservothermoelasticity studies
[NASA-TM-104058] 19 p3100 N91-27127
MALONE, K. T.
Very low bit rate voice for packetized mobile applications
[DE91-015333] 21 p3498 N91-29409
MALONE, KEVIN T.
A trellis-searched APC (Adaptive Predictive Coding) speech coder
[DE91-000866] 08 p1197 N91-16581
MALONE, R. M.
Design of a twenty-element long focal length zoom lens
[DE91-010770] 15 p2508 N91-23894
MALONE, T. W.
An evaluation of GTAW-P versus GTA welding of alloy 718
[NASA-TM-103529] 13 p2051 N91-21287
MALONE, THOMAS F.
Global Change and Our Common Future. Papers from a Forum
[LC-89-62950] 09 p1357 N91-17453
MALONEY, JOHN D.
Indium compounds which contain two different organic substituents. Crystal structure of (In(CH2CMe3)(CH2SiMe3)Cl)2, an interesting case of partial Ligand disorder in the solid state
[AD-A236730] 20 p3424 N91-28989
MALONEY, PHILIP RICHARD
The extragalactic radiation field and sharp edges to HI disks in galaxies 05 p0734 N91-14101
MALOZEMOFF, A. P.
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
MALTBY, J. D.
MONT3E: A Monte Carlo electron heat transfer code
[DE90-012091] 02 p0270 N91-11514
MALY, KURT
A software development and evolution model based on decision-making
[NASA-CR-187889] 16 p2667 N91-24758
MAMANTOV, GLEB
In-line sensors for electrolytic magnesium cells
[DE91-002561] 06 p0804 N91-14438
MAMON, GARY A.
Dynamical theory of dense groups of galaxies
08 p1260 N91-16943
Explaining compact groups as change alignments
08 p1261 N91-16944
MAMRADZE, P. G.
Annihilation radiation of strongly-magnetised electron-positron plasma with power-law distributions of particles 06 p0920 N91-15078
MAN, KAM KWONG
A free boundary problem arising in plasma physics
[DE90-010065] 08 p1226 N91-16754
MANAGADZE, G. G.
Possibilities of charged particle injection from spacecraft for active diagnostics of the surrounding plasma and active spacecraft potential control 01 p0072 N91-10437
MANAHAN, MEERA
Spacecraft crew procedures from paper to computers
12 p1948 N91-20719
MANALO, NATIVIDAD D.
Limb-darkening functions as derived from along-track operation of the ERBE scanning radiometers for August 1985
[NASA-RP-1243] 06 p0848 N91-14683
MANATA, JACK
Statistical decisions utilizing neural nets
[AD-A224752] 03 p0413 N91-12309
MANATT, D. R.
The intelligent database: Using INGRES to manage the external analysis of your data
[DE91-010465] 15 p2524 N91-23986
MANCA, M.
The architecture of the SAX-OCC: A control centre for a scientific satellite 14 p2210 N91-22204
MANCA, VINCENZO
On the expressiveness of equational type logic
[MEMO-INF-90-39] 10 p1580 N91-18698
On the expressiveness of equational type logic
[MEMO-INF-90-39-REV] 23 p3919 N91-31887

MANCE, S. C.
Microstructural change and its influence on stress-strain behavior of two superplastic materials
[DE91-017431] 24 p4111 N91-32980
MANCHEK, R.
Solving computational grand challenges using a network of heterogeneous supercomputers
[DE91-013725] 20 p3385 N91-28755
A users' guide to PVM (parallel virtual machine)
[DE91-016934] 23 p3914 N91-31855
MANCHESTER, JILL K.
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702
MANCIA, G.
Simulated absence of gravity impairs arterial baroreceptor control of heart rate in man
11 p1746 N91-19599
MANCINI, D.
The TIR project: A balloon telescope for the measurement of CBR anisotropies
13 p2180 N91-22041
MANCINI, R.
Fiber Optic Tactical Local Network (FOTLAN)
15 p2540 N91-24072
Effects of electric microfields on argon dielectronic satellite spectra in laser-produced plasmas
[DE91-011445] 17 p2869 N91-25868
MANCINI, T. R.
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649
The DOE solar thermal electric program concentrator technology project
[DE91-009253] 14 p2281 N91-22617
The feasibility of testing NASA's SCAD concentrator on Earth
[DE91-016055] 23 p3889 N91-31702
MANCINI, THOMAS R.
Analysis and design of two stretched-membrane parabolic dish concentrators
[DE90-015831] 09 p1356 N91-17446
MANCUSO, YVES
The T/R modules for phased-array antennas
07 p0942 N91-15165
MANDAL, B. K.
Molecular design of stable second order nonlinear optical polymers
[AD-A235748] 19 p3138 N91-27341
Optimized processing condition for a photocrosslinkable stable nonlinear optical polymer
[AD-A235754] 19 p3138 N91-27342
Design and synthesis of a new class of photocrosslinkable nonlinear optical polymers
[AD-A235852] 19 p3139 N91-27345
Second harmonic properties of aromatic Schiff's bases functionalized in the side chains of polymethylmethacrylate
[AD-A235857] 19 p3139 N91-27346
Optical and electro-optical properties of a photocross-linkable polymer
[AD-A235903] 19 p3140 N91-27350
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A235962] 19 p3140 N91-27352
Photocross-linked second order nonlinear optical polymers
[AD-A235855] 20 p3321 N91-28385
New photocrosslinkable polymers for second order nonlinear optical processes
[AD-A235856] 20 p3321 N91-28386
MANDAL, BRAJA K.
Studies on relaxation behavior of corona poled aromatic dipolar molecules in a polymer matrix
[AD-A226512] 04 p0509 N91-12827
Comb-like polymers containing NLO active pendant groups
[AD-A226514] 04 p0509 N91-12829
A strategy for the development of macromolecular nonlinear optical materials
[AD-A226325] 04 p0583 N91-13251
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A226674] 05 p0640 N91-13553
MANDALA, B.
Algorithm To Architecture Mapping Model (ATAMM) multicomputer operating system functional specification
[NASA-CR-4339] 09 p1325 N91-17277
MANDALA, BRIJ MOHAN V.
ATAMM enhancement and multiprocessor performance evaluation
[NASA-CR-188495] 16 p2672 N91-24788
MANDEL, L.
The 6th Rochester Conference on Coherence and Quantum Optics
[AD-A233350] 17 p2863 N91-25834
MANDELL, D. A.
MESA: A 3-D Eulerian hydrocode for penetration mechanics studies
[DE91-013308] 20 p3360 N91-28613
MANDELL, J. F.
Structural characterization of high temperature composites
[NASA-CR-187220] 24 p3970 N91-32180
MANDELL, M. J.
Polar code validation
[AD-A230138] 12 p1854 N91-20186
MANDELL, MYRON J.
NASCAP/LEO calculations of current collection
09 p1405 N91-17733
MANDERS, P. J. H. M.
MRVS: A system for measuring, recording and processing flight data
[NLR-MP-88034-U] 22 p3619 N91-30135
MANDERS, P. W.
Advanced pitch fibre prepregs for space applications
03 p0330 N91-11840
MANDEVILLE, JEAN CLAUDE
Study of meteoroid impact craters on various materials (AO 138-1). Attempt at dust debris collection with stacked detectors (AO 138-2) 16 p2710 N91-24999
MANDL, DANIEL
Transportable payload operations control center
14 p2223 N91-22294
MANDY, NORMAN H.
A two-dimensional balanced model of internal frontogenesis in geostrophic and isentropic coordinates
[AD-A227644] 08 p1185 N91-16518
MANE, AMIR
Information extraction from visual displays and the event-related brain potential
[AD-A227063] 06 p0855 N91-14722
MANE, LAURE
Parallelization on a multi-processor system of a solving method for the unsteady Navier-Stokes equations at high Reynolds numbers
[ESA-TT-1116] 02 p0214 N91-11197
MANES, K. R.
Toward high brightness, multi-kilowatt solid state lasers
[DE91-008990] 13 p2090 N91-21504
MANFREDI, LAWRENCE
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] 06 p0814 N91-14495
MANFREDI, P. F.
Monolithic radiation hard charge sensitive preamplifier using junction field effect transistors
[DE91-008437] 11 p1699 N91-19360
MANG, M. N.
Synthesis and structure of small-molecule cyclic phosphazenes bearing ortho-substituted aryloxy and phenoxy substituents
[AD-A234377] 18 p2961 N91-26344
MANG, VOLKER
Free flow electrophoresis experiment TEPE 3 on Texus 24
[MBB-UO-0130-90-PUB] 11 p1692 N91-19321
Free flow electrophoresis experiment TEPE 3 on TEXUS 24
11 p1755 N91-19654
MANGALAM, SIVARAMAKRISHNAN M.
Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-2-SB]
23 p3871 N91-31596
MANGAN, PATRICIA K.
Satellite control center for 2000 and beyond
14 p2210 N91-22207
MANGANELLI, SILVANO
Future mission control center: An operative scenario
14 p2210 N91-22208
MANGASARIAN, OLVI L.
Parallel solution of very large sparse linear programs
[AD-A232764] 16 p2668 N91-24762
MANGELSDORFF, A. D.
Proceedings of the 7th User's Stress Workshop
[AD-A234583] 18 p3032 N91-26736
MANGIACASALE, L.
Aircraft control system design, synthesis, analysis, and simulation tools at Aermacchi 07 p1044 N91-15729
MANGIN, J. F.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
MANGOLD, PETER
Integration of handling quality aspects into the aerodynamic design of modern unstable fighters
15 p2372 N91-23125
MANGUM, B. W.
Guidelines for realizing the International Temperature Scale of 1990 (ITS-90)
[PB91-112854] 16 p2680 N91-24838
MANHART, PAUL K.
Method and apparatus for phasing segmented mirror arrays
[NASA-CASE-NPO-18095-1-CU]
24 p4102 N91-32923
MANHEIMER, W. M.
Time-dependent multimode simulation of gyrotron oscillators
[AD-A229861] 11 p1709 N91-19413
MANHEIMER, WALLACE M.
Plasma reflectors for electronic beam steering in radar systems
[AD-A234560] 18 p2975 N91-26425
MANIE, S.
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619
MANIEZZO, VITTORIO
On the use of genetic algorithms to solve the time-table problem
[REPT-90-060] 15 p2484 N91-23752
Translating evolution strategies in GA terms
[REPT-91-007] 22 p3731 N91-30771
MANKA, C. K.
Laboratory simulation of high-altitude disruptive effects
10 p1553 N91-18542
Reduction of three-halves harmonic emission from laser-produced plasmas with broadwidth induced spatial incoherence at 0.53 micrometers
[AD-A235798] 19 p3250 N91-27974
MANKBADI, REDA R.
Numerical simulation of nonlinear development of instability waves
[E-4658] 02 p0145 N91-10849
Critical-layer nonlinearity in the resonance growth of three-dimensional waves in boundary layers
[NASA-TM-103639] 11 p1702 N91-19373
Resonant triad in boundary-layer stability. Part 1: Fully nonlinear interaction
[NASA-TM-105208] 24 p4017 N91-32458
Resonant triad in boundary-layer stability. Part 2: Composite solution and comparison with observations
[NASA-TM-105209] 24 p4017 N91-32459
MANKIN, C. J.
Natural resources information system for the state of Oklahoma
[DE91-008931] 17 p2887 N91-25963
MANKINS, JOHN C.
Preliminary survey of 21st century civil mission applications of space nuclear power
[NASA-TM-101249] 06 p0871 N91-14817
MANKO, DAVID J.
High energy efficiency and high power density proton exchange membrane fuel cells: Electrode kinetics and mass transport 24 p4037 N91-32558
MANKO, OLGA V.
Propagators for quantum oscillator chains
[AD-A234467] 18 p3058 N91-26893
MANLEY, GARY W.
The classification and evaluation of computer-aided software engineering tools
[AD-A226613] 04 p0565 N91-13137
MANN, D.
Methodology for development and verification of flight critical systems
[AD-A229800] 12 p1843 N91-20132
MANN, D. L.
Application of a water droplet trajectory prediction code to the design of inlet particle separator anti-icing systems 23 p3793 N91-31159
MANN, G. A.
Electrophoretic dielectric coatings for magnetic switches
[DE91-015337] 23 p3859 N91-31518
MANN, J. A., JR.
Transport and nucleation processes in the vapor growth of diamond
[AD-A232135] 15 p2517 N91-23953
MANN, J. Y.
Variations in the static properties, unnotched and notched fatigue life behaviour of 13 batches of 2L.65 aluminium alloy extruded bar
[ARL-STRUC-R-427] 23 p3884 N91-31676
MANN, JAMES R.
Floating gate circuits in MOSIS
[AD-A230154] 12 p1891 N91-20399
MANN, L.
Computing for magnetic fusion energy research: The next five years
[DE91-010686] 15 p2512 N91-23921
MANN, LISA J.
Status report on the land processes aircraft science management operations working group
17 p2798 N91-25476

MANN, R. C.
Searching for consensus patterns on a hypercube
[DE91-013233] 20 p3385 N91-28753
Proposal for continued basic research in intelligent machines at the Center for Engineering Systems Advanced Research: Fiscal years 1992-1996
[DE91-012997] 20 p3390 N91-28784
Research and development at ORNL/CESAR towards cooperating robotic systems for hazardous environments
[DE91-015638] 21 p3564 N91-29810

MANNA, ZOHAR
Deductive programming synthesis
[AD-A233770] 18 p3039 N91-26774
Deductive programming synthesis
[AD-A236001] 19 p3226 N91-27832

MANNAN, S. L.
Creep rupture properties of solution annealed and cold worked type 316 stainless steel cladding tubes
[DE91-618658] 16 p2633 N91-24575

MANNARA, G.
Thermal Marangoni convection in a floating zone (TEXUS 9) ESA 23 p3826 N91-31341

MANNER, DAVID B.
TROUBLE 3: A fault diagnostic expert system for Space Station Freedom's power system
[NASA-CR-187113] 16 p2566 N91-24226

MANNEY, C. H.
Trapped-ion frequency standards 17 p2851 N91-25760

MANNING, CAROL A.
Selection of air traffic controllers for automated systems: Applications from current research
[AD-A230058] 12 p1930 N91-20621

MANNING, JAMES M.
Carboxyalkylated hemoglobin as a potential blood substitute
[AD-A233822] 18 p3027 N91-26712

MANNING, ROBERT M.
Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] 06 p0863 N91-14772
The theory of an auto-resonant field emission cathode relativistic electron accelerator for high efficiency microwave to direct current power conversion 14 p2204 N91-22176
A statistical rain attenuation prediction model with application to the advanced communication technology satellite project. 3: A stochastic rain fade control algorithm for satellite link power via non linear Markow filtering theory
[NASA-TM-100243] 14 p2258 N91-22494

MANNSTEIN, HERMANN
The skin temperature of mountain slopes and the determination of the sensible heat flux
[ESA-TT-1220] 22 p3698 N91-30591

MANOHAR, G. K.
A study of point discharge current observations in the thunderstorm environment at a tropical station during the year 1987 and 1988 24 p4067 N91-32721

MANOHAR, MURALI
Laser surface modification to impede hydrogen ingress into steel 20 p3319 N91-28375

MANOHAR, S. K.
Polyaniline: Synthesis and properties of pernigraniline
[AD-A233706] 18 p2945 N91-26245
Polyaniline: Pernigraniline, an isolable intermediate in the conventional chemical synthesis of emeraldine
[AD-A233840] 18 p2959 N91-26330
Polyaniline: Oriented films and fibers
[AD-A234414] 18 p2962 N91-26347
Polyaniline: Inter-relationship between ultra-structure and properties
[AD-A236993] 19 p3143 N91-27370

MANOS, D. M.
Carborane films: Applications to first-wall problems in tokamaks
[DE91-004034] 07 p1068 N91-15878

MANOWITZ, BERNARD
Conclusions and recommendations of the June, 1990 BNL workshop
[DE91-001112] 04 p0545 N91-13025
Global climate feedbacks: Proceedings of the Brookhaven National Laboratory Workshop
[DE91-004803] 07 p1027 N91-15640

MANSFELD, FLORIAN
Environmentally-induced passivity of aluminum alloys and aluminum metal matrix composites
[AD-A231350] 13 p2054 N91-21301

MANSFELD, G.
Flight testing of a redundant FBW/FBL helicopter control system 04 p0486 N91-12703

MANSFIELD, PHILIP ANDREW
Cosmological singularities in electrovacuum spacetimes with two-parameter spacelike isometry groups 01 p0137 N91-10811

MANSFIELD, R. A.
Genetic algorithms
[ETN-91-99985] 23 p3913 N91-31852

MANSKI, DETLEF
Comparison of kinetic, equilibrium, and frozen rocket expansion obtained at different propulsive parameters for launcher and spacecraft engines
[DLR-MITT-91-02] 24 p3966 N91-32159

MANSOON, G. A.
Phase equilibrium of mixtures consisting of molecules with large size and shape differences (thermodynamic modeling of supercritical fluid extraction and retrograde condensation, SFE/RC)
[PB91-144626] 17 p2755 N91-25251

MANSOUR, A. N.
Synthesis and characterization of high temperature superconductor materials 05 p0725 N91-14048
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796

MANSOUR, K. A.
Molecular modeling of metal hydrides. 2: Calculation of lattice defect structures and energies utilizing the embedded atom method
[DE91-006436] 09 p1316 N91-17226

MANSOUR, KHALID A.
Initial report on molecular modeling of metal hydrides
[DE91-005747] 10 p1500 N91-18256

MANSOUR, NAGI N.
Direct numerical simulations of a plane compressible wake: Stability, vorticity dynamics, and topology
[NASA-CR-187737] 07 p0936 N91-15129

MANSOUR, NASHAT
Software engineering for fault tolerant systems
[AD-A235459] 19 p3218 N91-27787

MANSOURI, F.
Research in particle theory
[DE91-010749] 15 p2504 N91-23872

MANSUR, L. K.
Irradiation creep by climb-enabled glide driven by transient point defect processes
[DE91-012950] 20 p3315 N91-28348

MANSY, HUSSEIN A.
Experimental and numerical analysis of the novel trapped-vortex pair and Coanda type fluidic oscillators for flow rate measurement 10 p1523 N91-18386

MANTELLI, MARCIA BARBOSA HENRIQUES
SCD1 thermal design and test result analysis 11 p1657 N91-19130
Experimental determination of satellite bolted joints thermal resistance 11 p1662 N91-19157

MANTENIEKS, MARIS A.
MPD thruster technology
[NASA-TM-105242] 24 p3967 N91-32162

MANTEUFFEL, T. A.
Layer tracking asymptotics and domain decomposition
[DE91-008593] 13 p2081 N91-21462

MANTHIRAM, A.
Excess oxygen defects in layered cuprates
[DE90-017669] 02 p0278 N91-11565

MANTICA, P. F., JR.
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones
[DE91-008144] 12 p1975 N91-20867

MANTL, S.
Formation of CoSi2 in SIMOX wafers by high dose Co implantation
[DE91-015639] 21 p3601 N91-30036

MANUEL, LAWRENCE R.
Superaromatics: The key to a unified cosmic dust theory 06 p0905 N91-14999

MANUKIAN, NARBIK
A statistical model of fractures 15 p2442 N91-23529

MANUKJAN, K. A.
Pregalactic inhomogeneity in hot dark matter model of the universe 06 p0922 N91-15100

MANZ, PAUL C.
The impact of clean air in the 1990's
[AD-A236526] 19 p3187 N91-27623
Protecting the ozone shield: A new public policy
[AD-A237640] 21 p3538 N91-29659

MANZELLA, DAVID H.
Performance characterization of a segmented anode arcjet thruster
[NASA-TM-103227] 01 p0020 N91-10118

MANZEY, D.
Psychological selection of astronauts: Recent developments at the DLR testing centre in Hamburg (Fed. Republic of Germany) 15 p2449 N91-23565

MANZEY, DIETRICH
Determinants of dual-task interference and resource theories in cognitive psychology
[ESA-TT-1127] 02 p0248 N91-11381

MAO, KUNMING
A global-local structural analysis method 16 p2643 N91-24629

MAO, MARLON
Numerical simulation of transverse fuel injection 13 p2017 N91-21097

MAPLE, M. B.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373
High-temperature ceramic superconductors
[AD-A234620] 18 p3068 N91-26953

MAPOLES, E. R.
Optical and thermal energy discharge from tritiated solid hydrogen
[DE91-011188] 17 p2757 N91-25263
Enhancing atom densities in solid hydrogen by isotopic substitution
[DE91-011189] 20 p3396 N91-28824

MAR, MARK H.
The fast Hartley transform
[AD-A230370] 13 p2070 N91-21400

MARABLE, W.
Key physics issues affecting the performance of free electron lasers
[AD-A229992] 12 p1903 N91-20467

MARACAS, GEORGE N.
Growth studies of CVD-MBE by in-situ diagnostics
[AD-A224661] 03 p0422 N91-12358
In situ GSMBE growth monitoring for optoelectronic devices
[AD-A226143] 04 p0589 N91-13290
Spatial light modulators with arbitrary quantum well profiles
[AD-A238149] 22 p3759 N91-30955

MARAGE, P.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845

MARANTZ, D. R.
HVOF: Particle, flame diagnostics, and coating characteristics
[DE91-014654] 23 p3809 N91-31248

MARAWA, A.
Airport stand assignment model
[TT-9009] 05 p0618 N91-13426

MARBLE, FRANK E.
Investigations into shock-induced enhancement of mixing and combustion in supersonic burners
[AD-A231750] 14 p2243 N91-22407

MARBOE, R. C.
Boundary layer transition noise art
[AD-A235093] 18 p3057 N91-26884
Translation of airfoil trailing edge noise article from Revue d'Acoustique
[AD-A237811] 21 p3451 N91-29143

MARCELINO, L. J.
RAND's Cartographic Analysis and Geographic Information System (RAND-CAGIS): A guide to system use
[RAND/N-3172-RC] 19 p3260 N91-28031

MARCELJA, F.
High threshold HR (Highly Reflective) coatings at 1064 nm
[DE91-006236] 10 p1528 N91-18415

MARCELLI, MARILYN J.
Object-oriented software requirements specification for the UH-1 helicopter flight simulator
[AD-A225041] 03 p0317 N91-11774

MARCH-LEUBA, C.
GOOSE: A Generalized Object-Oriented Simulation Environment
[DE91-016771] 24 p4088 N91-32842

MARCH-LEUBA, J.
Pressure dynamics modeling for the design of the advanced neutron source reactor
[DE91-007860] 15 p2506 N91-23883

MARCHAND, M.
Development of MIL-8785C into a handling qualities specification for a new European fighter aircraft 15 p2370 N91-23114

MARCHELLO, JOSEPH M.
Polymer infiltration studies
[NASA-CR-188708] 22 p3653 N91-30333

MARCHENKO, A. M.
Effects of rolling motion on the circadian rhythm of sinoatrial node 01 p0096 N91-10558

MARCHEPOIL, DENIS
Searching algorithms for the real roots of a Bezier function
[RR-834-I-AND-M] 15 p2484 N91-23755
MARCHESINI, ROBERTO
Applied technology center business plan and market survey
[NASA-CR-187259] 01 p0134 N91-10794
Space market model space industry input-output model
[NASA-CR-187252] 01 p0134 N91-10795
MARCHETTE, D. J.
Adaptive mixture approach to pattern recognition
[AD-A231831] 14 p2306 N91-22742
MARCIALIS, R. L.
CCD photometry of 2060 Chiron, 1991 January
17 p2892 N91-25987
MARCIALIS, ROBERT LOUIS
The Pluto-Charon system as revealed during the mutual events 07 p1085 N91-15967
MARCIHIAK, T. J.
Cylinder pressure analysis of a diesel engine using oxygen-enriched air and emulsified fuels
[DE90-017660] 03 p0373 N91-12090
MARCINIAK, T. J.
Technical and economic evaluation of diesel engine with oxygen enrichment and water injection
[DE90-009723] 08 p1157 N91-16373
Simulation studies of diesel engine performance with oxygen enriched air and water emulsified fuels
[DE91-006053] 09 p1348 N91-17404
Oxygen-enriched diesel engine performance: A comparison of analytical and experimental results
[DE91-006491] 11 p1714 N91-19440
Effects of oxygen enrichment and fuel emulsification on diesel engine performance and emissions
[DE91-016520] 24 p4027 N91-32506
MARCINKOWSKI, SLAWOMIR J.
Northeast Artificial Intelligence Consortium (NAIC). Volume 12: Computer architecture for very large knowledge bases
[AD-A234891] 18 p3047 N91-26826
MARCO, R.
Microgravity, hypergravity, and aging: A unifying hypothesis 11 p1752 N91-19633
MARCOLINI, M. A.
Frequency response calibration of recess-mounted pressure transducers
[NASA-TM-104031] 13 p2148 N91-21834
MARCOLINI, MICHAEL A.
Wake geometry effects on rotor blade-vortex interaction noise directivity
[NASA-TP-3015] 03 p0414 N91-12315
MARCOSDASILVA, CLAUDEMIR
Access definition of multipoles characterized from indefinite admittance matrix
[INPE-4536-PRE/1283] 03 p0358 N91-12006
MARCOTTE, K.
Computer controlled MHD power consolidation and pulse generation system
[DE91-006793] 11 p1697 N91-19347
MARCOVALDI, R.
Study of the response of a crystal ball made of NaI(Tl) for heavy ions experiments
[NOTA-INTERNA-957] 15 p2505 N91-23874
MARCUM, P.
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A
09 p1442 N91-17949
MARCUS, ANDRES
Intrepid: A mission to Pluto 08 p1101 N91-16047
MARCUS, D. L.
Numerical simulation of a viscous vortex ring interaction with a density interface
[DE91-002790] 15 p2424 N91-23429
Hairpin vortices, singularities, and transition to turbulence in three-dimensional shear flows
[DE91-002792] 15 p2425 N91-23430
Vorticity intensification and transition to turbulence in a three-dimensional shear flow
[DE91-011538] 17 p2778 N91-25373
Numerical simulation of a viscous vortex ring interaction with a density interface
[DE91-011532] 21 p3510 N91-29489
MARCUS, HARRIS L.
Controlling fundamentals in high-energy high-rate pulsed power materials processing of powdered tungsten, titanium aluminides, and copper-graphite composites
[AD-A230900] 13 p2053 N91-21298
MARCUS, J. T.
Vestibulo-ocular responses in man to +G sub z hypergravity
[IZF-1989-59] 05 p0695 N91-13873
Otolith responses in man during parabolic flight
[IZF-1990-A-32] 15 p2474 N91-23703
Spatiotemporal edge perception
[IZF-1990-B-15] 22 p3719 N91-30698
MARCUS, MARVIN
Stability analysis of finite difference approximations to hyperbolic systems and problems in applied and computational matrix and operator theory
[AD-A230543] 12 p1971 N91-20842
MARCUS, STEVEN I.
Adaptive control of nonlinear and stochastic systems
[AD-A232996] 16 p2675 N91-24806
MARCUS, STEVEN LEONARD
Intraseasonal oscillations in the earth-atmosphere system 14 p2285 N91-22635
MARCZYNSKI, THADDEUS J.
Attention span, anxiety, and benzodiazepine receptors
[AD-A234549] 18 p3028 N91-26716
MARDER, SETH R.
Symposium on New Materials for Nonlinear Optics
[AD-A233068] 16 p2689 N91-24886
MARDOIAN, GEORGE H.
Flight service evaluation of composite helicopter components
[NASA-CR-182063] 03 p0325 N91-11808
MARDON, AUSTIN ALBERT
Commercial aspects of the Long March launch system
[PB91-135970] 16 p2564 N91-24215
International standardization in space systems
[PB91-135988] 16 p2680 N91-24839
MAREE, MICHEL
Procedure for steering a low-speed missile, weapon system, and missile for implementation of the procedure
[PATENT-1-265-947] 23 p3797 N91-31182
MAREELS, IVEN
An identification perspective on robustness issues in adaptive pole assignment
[MEMO-904] 14 p2318 N91-22800
MAREK, C. J.
An imaging system for PLIF/Mie measurements for a combusting flow
[NASA-TM-103714] 12 p1835 N91-20084
Modern CFD applications for the design of a reacting shear layer facility
[NASA-TM-104523] 19 p3107 N91-27164
MAREK, HANK
Controller evaluation of initial data link en route air traffic control services: Mini study 3
[DOT/FAA/CT-91/11] 19 p3149 N91-27404
MARELLA, ANTHONY
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532
MARENNY, A. M.
Radiation experiments on Cosmos 2044: K-7-41, parts A, B, C, D, E
[NASA-CR-188540] 17 p2860 N91-25819
MARES, MICHAEL J.
H2 and H infinity optimization with a restricted region of stability
[AD-A230596] 12 p1967 N91-20824
MARGALIT, ODED
Efficient elementary methods for the dense subset-sum problem
[ITN-90-85027] 07 p1056 N91-15800
MARGEL, SHMUEL
Biomaterial interactions with organized surfaces
14 p2295 N91-22689
MARGERUM, J. DAVID
Applications research studies on microtubules
[AD-A228756] 08 p1128 N91-16205
Applications research studies of microtubules
[AD-A228832] 09 p1327 N91-17290
MARGON, BRUCE
High energy from space 24 p4119 N91-33023
MARGRAVE, JOHN L.
Matrix isolation as a tool for studying interstellar chemical reactions 06 p0897 N91-14956
Thermophysical property measurements in electromagnetic levitators 13 p2061 N91-21344
MARGUET, ROGER
A study of supersonic and hypersonic ramjet engines in France from 1950 to 1974 (application on combined cycle aircraft engines) 15 p2376 N91-23149
MARHEFKA, R. J.
SATCOM antenna siting study on a P-3C using the NEC-BSC V3.1
[NASA-CR-187949] 10 p1510 N91-18307
MARHEFKA, RONALD J.
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 2: Edge wave edge and vertex diffraction
[AD-A230339] 12 p1882 N91-20348
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 3: Technical overview
[AD-A230340] 12 p1882 N91-20349
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 6: Overview of accomplishments
[AD-A230341] 12 p1883 N91-20350
MARIAM, Y. H.
Semi-empirical calculations on model systems for organosilyldiamine preceramic polymers
[DE91-013721] 20 p3329 N91-28433
Precursors to Si-N-C-O ceramics: A reinvestigation of the poly methylvinyl silylethyl enediamine systems
[DE91-013722] 21 p3485 N91-29333
MARICLE, D. L.
Impact of fundamental technical improvements to natural gas fuel cells
[PB91-206615] 24 p4039 N91-32570
MARIELLA, R., JR.
InGaAs/GaAs graded superlattices in photodetectors for wavelengths beyond 1 micron
[DE90-012073] 21 p3590 N91-29969
MARIELLA, RAYMOND P.
Graded Al(x)Ga(1-x)As photoconductive devices for high efficiency picosecond optoelectronic switching
[DE91-007143] 10 p1609 N91-18879
MARILLI, E.
The chromospheric Lyman-alpha core emission of Altair 09 p1436 N91-17913
MARIN, JEAN-YVES
Infrared thermography development for material evaluation of Hermes space plane components
03 p0330 N91-11839
MARINA, M.
The advanced receiver 2: Telemetry test results in CTA 21 10 p1512 N91-18320
MARINARO, ERNESTO L.
Growth, characterization and properties of ultrathin magnetic films and multilayers, volume 151
[AD-A229586] 22 p3758 N91-30950
MARINELLI, RICK
Effects of runway anti-icing chemicals on traction
[DOT/FAA/CT-TN90/53] 07 p0946 N91-15189
MARINELLI, W. J.
Significant reduction in arc frequency biased solar cells: Observations, diagnostics, and mitigation technique(s)
22 p3636 N91-30235
MARINO, R.
Transformations of nonlinear systems into input-output prime form
[MATHS-MEMO-896] 10 p1581 N91-18705
MARION, JOHN E.
Thermomechanical properties of Cr:Tm:Ho:Y3Al5O12
[DE91-000501] 07 p1073 N91-15903
MARIOTTI, M.
Data-based verification control of the tethered satellite
07 p0950 N91-15215
MARIS, HUMPHREY J.
Surfaces and thin films studied by picosecond ultrasonics
[DE91-004167] 05 p0712 N91-13973
MARIS, M. A.
Photometric-photogrammetric analysis of video images of a venting of water from Space Shuttle Discovery
[AD-A233452] 16 p2565 N91-24219
MARK, J. E.
The mechanical behavior of microcellular foams
[DE91-006775] 11 p1686 N91-19291
First International conference on Frontiers of Polmer Research
[AD-A238112] 21 p3489 N91-29361
MARK, JAMES E.
Materials Research Society Symposium Proceedings: Polymer Based Molecular Composites, volume 171
[AD-A229199] 09 p1305 N91-17159
MARK, LEO
A distributed user information system
[AD-A225362] 03 p0428 N91-12396
MARKEL, V. A.
Theory and numerical simulation of optical properties of fractal clusters
[AD-A230206] 12 p1980 N91-20896
MARKEL, VADIM A.
Scale-invariant theory of optical properties of fractal clusters
[AD-A227031] 06 p0874 N91-14832
MARKEN, K. R.
Ferromagnetic material in the superconductor and its effect on the magnetization sextupole and decapole in the SSC dipoles at injection
[DE91-011886] 20 p3424 N91-28993
MARKER, TIMOTHY
Effectiveness of water spray within the cabin overhead area
[DOT/FAA/CT-TN91/29] 22 p3615 N91-30113
MARKHAM, FRANK
A generalized extraction system for VLSI
[AD-A230396] 12 p1892 N91-20404

MARKHAM, SANFORD M.
Deployment and testing of a second prototype expandable surgical chamber in microgravity
24 p4080 N91-32794
MARKIN, A. A.
Status of lipid peroxidation system in rat tissues after 7-day flight on Kosmos-1667
22 p3714 N91-30673
MARKING, WAYNE L.
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
MARKLEY, F. LANDIS
Comparison of two on-orbit attitude sensor alignment methods
09 p1287 N91-17074
On-board attitude determination and control algorithms for SAMPEX
09 p1291 N91-17095
MARKLEY, K.
Parallel implementation of the hp-version of the finite element method on a shared-memory architecture
[AD-A231506] 14 p2305 N91-22735
MARKOU, CHRISTOS P.
Effect of different binders and additives on sandwich burning
10 p1492 N91-18212
MARKOV, ALEXANDER B.
Rocket boosted target
[PATENT-1-254-289] 23 p3802 N91-31207
MARKOWITZ, STEVEN C.
Central-server-based orphan detection for Argus
[AD-A226133] 04 p0563 N91-13126
MARKOWITZ, V. M.
An architecture for identifying objects in multidatabases
[DE91-011865] 17 p2888 N91-25970
Safe referential integrity structures in relational databases
[DE91-014586] 20 p3440 N91-29091
MARKS, C. H.
Transient characteristics of unconfined fire plume-driven ceiling jets
[PB90-227976] 01 p0033 N91-10193
MARKS, T. J.
Supported organometallic complexes: Surface chemistry, spectroscopy, and catalysis
[DE91-010396] 17 p2759 N91-25275
MARKS, T. S.
Materials compatibility issues for fabric composite radiators
[DE91-017556] 24 p3972 N91-32186
MARKS, TOBIN J.
PBT, PBO-based hybrid polymers with nonlinear optical properties or high electrical conductivity
[AD-A226646] 05 p0640 N91-13552
MARKUNAS, R. J.
Semiconductor diamond technology
[AD-A228607] 09 p1410 N91-17758
Semiconductor diamond technology
[AD-A228608] 09 p1410 N91-17759
Semiconductor diamond technology
[AD-A233085] 16 p2694 N91-24915
Semiconductor diamond technology
[AD-A233293] 16 p2694 N91-24919
MARLAND, G. H.
Seminar on anthropogenic emissions of greenhouse gases
[DE91-009110] 13 p2113 N91-21634
MARLEY, MARK SCOTT
Nonradial oscillations of Saturn: Implications for ring system structure
03 p0438 N91-12450
MARMAR, E. S.
He-like spectra through charge exchange processes in tokamak plasmas
[NIFS-69] 11 p1802 N91-19894
MARMIGNON, C.
Navier-Stokes flow calculations by an implicit non-centered method
24 p4013 N91-32436
MARMOLEJO, JOSE
EMU helmet mounted display
[NASA-CASE-MSC-21460-1] 05 p0697 N91-13879
MARN, JURE
The use of holographic interferometry for measurements of temperature in a rectangular heat pipe
[NASA-CR-187424] 09 p1338 N91-17349
MAROCHNIK, LEONID S.
The Oort cloud
14 p2346 N91-22978
MARON, Y.
Visible spectroscopy diagnostics of light-ion beams
[DE91-017450] 24 p4100 N91-32908
MARONE, MATT
Development and evaluation of superconducting circuit elements
[NASA-CR-187344] 04 p0517 N91-12875
MAROSI, MIKLOS
Coordination of eye, head and arm movements in weightlessness
11 p1744 N91-19588
Neurological findings after 72 hours water immersion
11 p1745 N91-19597
MAROTTE, H.
Problems posed by the adaptation of physiological protective equipment for female combat pilots
02 p0246 N91-11372
Morphological and functional adaptation of personal equipment designed for female personnel
02 p0247 N91-11374
MAROVALDI, R.
Eta/gamma TOF discrimination in NaI/Tl and for heavy ion experiments
[NOTA-INTERNA-956] 12 p1978 N91-20883
MARQUARDT, B. J.
Research and development for improved toughness aluminides
[AD-A226627] 05 p0636 N91-13524
MARQUARDT, C.
A room-temperature, flashpumped, 1.96 micron solid state laser
[AD-D014581] 07 p1006 N91-15524
MARQUARDT, CHARLES L.
Room-temperature, flashpumped, 2 micron solid state laser with high slope efficiency
[AD-D014770] 12 p1905 N91-20479
MARQUET, D.
Characteristics and performance of an operational windscatterometer
15 p2455 N91-23607
MARQUETTE, G.
Time/frequency analysis of vibro-acoustic behaviour of a launcher in flight
[ETN-90-97584] 01 p0016 N91-10097
MARQUIS, GARY
Fatigue life of spectrum loaded welds
07 p1016 N91-15581
MARR, JAMES S.
Automatic determination of recommended test combinations for Ada compilers
[AD-A230461] 12 p1953 N91-20744
MARR, W. W.
User's guide to DIANE version 2.1: A microcomputer software package for modeling battery performance in electric vehicle applications
[DE91-006071] 10 p1518 N91-18356
Oxygen-enriched diesel engine performance: A comparison of analytical and experimental results
[DE91-006491] 11 p1714 N91-19440
Effects of oxygen enrichment and fuel emulsification on diesel engine performance and emissions
[DE91-016520] 24 p4027 N91-32506
MARRIAN, CHRISTIE R.
Method and electronic Neural net for maximum entropy solutions of ill-posed problems
[AD-D014575] 07 p0997 N91-15474
MARROT, PASCAL
SATEXPERT: An expert systems network for automatic spacecraft control
14 p2217 N91-22252
MARRS, R.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903
MARRS, R. E.
Atomic physics of highly charged ions in an electron beam ion trap
[DE90-017528] 02 p0268 N91-11499
Inner-shell ionization of lithium-like chromium ions
[DE91-001749] 05 p0713 N91-13981
MARS, N. J. I.
Design as science instead of art
[MEMO-INF-91-10] 22 p3735 N91-30800
MARSAC, SYLVIE
Stress corrosion cracking of 2091 ad 8090 aluminum-lithium alloys in chloride containing aqueous solutions. Influence of sulphate and nitrate additions
[REPT-431/91] 23 p3816 N91-31285
MARSCHALL, J.
Electrical and photomechanical effects of plastic deformation of mercuric iodide
[DE91-013108] 20 p3429 N91-29022
MARSDEN, JERROLD
Control of complex multibody spacecraft
[AD-A224707] 03 p0320 N91-11791
MARSDEN, RICHARD G.
An old legend - new science - Ulysses: Some questions on Ulysses and its payload answered
[ESA-BR-71] 03 p0439 N91-12455
MARSDEN, S.
Test on opto couplers in the linear application considering temperature, radiation and Vce effects
24 p3993 N91-32314
MARSH, A. R. S.
Review of uncertainties in the use of NPL primary standards of x ray exposure for the calibration of secondary standards in terms of exposure and air kerma
[NPL-RS(EXT)-109] 05 p0694 N91-13868
MARSH, CHRISTOPHER A.
A failure management prototype: DR/Rx
12 p1942 N91-20684
A failure diagnosis and impact assessment prototype for Space Station Freedom
14 p2313 N91-22777
MARSH, S. P.
Hypervelocity plate acceleration
[DE91-014738] 20 p3287 N91-28179
Future explosive pulse-power technology for high-energy plasma physics experiments
[DE91-014601] 21 p3587 N91-29951
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
MARSHALL, A. C.
Quantum well laser
[AD-A227303] 06 p0831 N91-14594
Mass and performance estimates for 5 to 1000 kW(e) nuclear reactor power systems for space applications
[DE91-010319] 16 p2687 N91-24875
MARSHALL, A. F.
Evidence for cation disorder in in-situ grown YBaCuO superconducting films
[DE91-016760] 24 p4110 N91-32971
MARSHALL, BILL, JR.
Advanced thermally stable jet fuels development program annual report. Volume 1: Model and experiment system development
[AD-A229692] 12 p1878 N91-20322
MARSHALL, C.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
MARSHALL, D. B.
Transformation toughening of ceramics
[AD-A234926] 18 p2964 N91-26359
Temperature-jump relaxation kinetics at liquid/solid interfaces: Fluorescence thermometry of porous silica heated by a Joule discharge
[AD-A236850] 19 p3257 N91-28018
MARSHALL, GARLAND R.
Molecular mechanism of voltage-dependent ion channels
[AD-A229777] 12 p1976 N91-20871
MARSHALL, J. R.
Exobiology on Mars
[NASA-CP-10055] 07 p1038 N91-15691
MARSHALL, R.
Signal processing development
[AD-A226593] 05 p0725 N91-14052
MARSHALL, S. A.
Magnetic resonance imaging studies of process rheology
[AD-A225814] 04 p0510 N91-12836
MARSHALL, SUSAN ELAINE
A physical parameterization of snow albedo for use in climate models
05 p0680 N91-13781
MARSHALL, T.
Eastern Europe: Please stand by
[PB91-14336] 15 p2411 N91-23348
MARSHALL, WILLIAM C.
A new active virtual pivot six-degree-of-freedom hand controller for aerospace applications
16 p2642 N91-24625
MARSHALL, WILLIAM F.
ETBE in general aviation aircraft engines
04 p0459 N91-12565
MARSON, J.-Y.
Hypermedia tool for operational procedure: Creation and utilization
14 p2221 N91-22278
MARSOSUDIRO, P.
Evaluation of significant anthropogenic sources of radiatively important trace gases
[PB91-127753] 11 p1736 N91-19545
MARSTON, P. G.
Develop and test an Internally Cooled, Cabled Superconductor (ICCS) for large scale MHD magnets
[DE91-005536] 10 p1609 N91-18882
MIT ASTROMAG 1.7 meter disk magnet design report
[NASA-CR-187931] 14 p2322 N91-22824
MARSTON, PHILIP L.
Optical scattering methods applicable to drops and bubbles
13 p2063 N91-21358
MART, PETER L.
High temperature mass spectrometric study of the thermodynamics of liquid nickel-aluminium alloys at 2000 K
[MRL-TR-91-15] 21 p3478 N91-29290
MARTEL, HUGO
Large scale structures in nonzero Lambda Friedmann universes
01 p0137 N91-10812
MARTELL, PHILLIP JOHN
Optical emission variability in the intermediate polars FO Aquarii, V1223 Sagittarii and AO Piscium
16 p2702 N91-24964
MARTELLI, F.
Implicit solution of three-dimensional internal turbulent flows
13 p2015 N91-21082

MARTEN, H. DANIEL
Photochemical spacecraft self-contamination: Laboratory results and systems impacts
[AD-A226488] 04 p0493 N91-12739
MARTENS, J. S.
A Josephson junction to FET high speed line driver made of TlCaBaCuO
[DE90-017542] 04 p0590 N91-13295
Novel applications of Tl-Ca-Ba-Cu-O thin films to active and passive high frequency devices
[DE91-004507] 08 p1134 N91-16240
S-parameter measurements and applications of superconducting flux flow transistors
[DE91-009763] 15 p2417 N91-23388
The superconducting flux flow transistor: Models and applications
[DE91-014702] 20 p3340 N91-28501
MARTENS, JAMES D.
Building blocks in space
[AD-A224614] 03 p0320 N91-11789
MARTHY, HANS-JUERG
Microgravity and development of aquatic animals 11 p1750 N91-19625
MARTIN-NEUVILLE, H.
Characterization and optimization of a pneumatic injector for a 60 bar combustion chamber
[ETN-90-97580] 02 p0192 N91-11076
MARTIN-SIEGFRIED, YVES
Calculation of interactions between air and ground of landing 20 p3284 N91-28161
MARTIN, A. D.
Phenomenological consequences of HMRS partons
[RAL-90-036] 09 p1395 N91-17675
Parton distributions at small x
[RAL-90-053] 09 p1395 N91-17676
Parton distributions, the Gottfried sum rule and the W charge asymmetry
[RAL-90-068] 10 p1593 N91-18790
MARTIN, ANDREA
Evaluation of the Trajectory Operations Applications Software Task (TOAST). Volume 2: Interview transcripts
[NASA-CR-187406] 04 p0560 N91-13103
Evaluation of the Trajectory Operations Applications Software Task (TOAST)
[NASA-CR-187408] 04 p0560 N91-13104
MARTIN, ANN
VOICE: A spectrogram computer display package
[AD-A225214] 03 p0406 N91-12262
MARTIN, ANTHONY J.
Communications needs of the future air-ground interface 24 p3959 N91-32125
MARTIN, BENJAMIN J.
Implementation of an algorithm for cylindrical object identification using range data 19 p3268 N91-28075
MARTIN, C. A.
F-111C flight data reduction and analysis procedures
[AD-A236025] 19 p3105 N91-27153
F/A-18 1/9th scale model tail buffet measurements
[ARL-FLIGHT-MECH-R-188] 22 p3622 N91-30149
MARTIN, C. R.
Template synthesis of conducting polymers: Enhanced conductivity, enhanced supermolecular order, interesting microstructures
[AD-A229931] 12 p1872 N91-20287
MARTIN, CHARLES R.
Mass and charge transport in electronically conductive polymers
[AD-A225305] 03 p0345 N91-11931
Electrochemical investigations or electronically conductive polymers. Part 6: Mechanism of the redox reactions for the electronically conductive form of polypyrrole
[AD-A225306] 03 p0345 N91-11932
Ion-transporting composite membranes. Part 3: Selectivity and rate of ion transport in Nafion (TM) impregnated gore-tex membranes prepared by a high temperature solution-casting method
[AD-A225837] 04 p0497 N91-12760
New electrorelease systems based on microporous membranes
[AD-A225315] 04 p0500 N91-12777
Template-synthesized polyacetylene fibrils show enhanced supermolecular order
[AD-A228596] 09 p1318 N91-17234
New secondary batteries using electronically conductive polymer cathodes
[NASA-CR-188604] 17 p2769 N91-25322
Ionically and electronically conductive composite polymer membranes
[AD-A234587] 18 p2962 N91-26349
Template synthesis of polymeric and metal microtubules
[AD-A235307] 18 p2965 N91-26367
MARTIN, CHRESTON F.
Applying kinematic GPS to airborne laser remote sensing 17 p2798 N91-25475
MARTIN, CHRISTOPHER
New measurements of the far ultraviolet scattering properties of interstellar dust 06 p0888 N91-14909
Technology needs for high-speed rotorcraft
[NASA-CR-177578] 15 p2374 N91-23136
Search for correlated UV and x ray absorption of NGC 3516
[NASA-CR-188711] 22 p3771 N91-31026
MARTIN, DAVID J.
Progress in certifying F402-RR-408: The improved Pegasus engine for AV-8B and Harrier 2 plus
[PNR-90719] 01 p0010 N91-10056
MARTIN, DAVID W.
Collection and analysis of radar rainfall and satellite data for the Darwin TRMM experiment
[NASA-CR-188237] 16 p2659 N91-24710
MARTIN, E. L.
New efforts in the search for extrasolar planets 10 p1620 N91-18932
MARTIN, F. W., JR.
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
MARTIN, G. R.
Superplastic formed aluminum-lithium aircraft structures
[AD-A226516] 04 p0479 N91-12673
MARTIN, H. L.
Application of error correcting codes in fault-tolerant logic design for VLSI circuits
[AD-A228840] 09 p1327 N91-17291
MARTIN, J.
Helicopter structural integrity program (HSIP). Volume 1: Structural test requirements specification
[AD-A226520] 05 p0621 N91-13444
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
Enhancing the tolerance to Gz(+) acceleration by optimizing the use of isometric contractions in combination with straining maneuvers
[AD-A230454] 12 p1933 N91-20639
MARTIN, J. A.
The reaction of vapor-deposited Al with Cu oxides
[DE91-000367] 02 p0199 N91-11114
Superconducting properties of Tl-Ba-Ca-Cu-O films on silver substrates
[DE91-002304] 06 p0879 N91-14856
MARTIN, J. C.
Conversion of methanol-fueled 16-valve, 4-cylinder engine to operation on gaseous 2H2/CO fuel
[PB91-195941] 21 p3528 N91-29602
MARTIN, J. W.
Strength and creep-rupture properties of adhesive-bonded EPDM joints stressed in peel
[PB90-257676] 04 p0534 N91-12963
MARTIN, JAMES A.
Integrated launch and emergency vehicle system
[NASA-CASE-LAR-13780-1] 05 p0628 N91-13481
Evaluation of proposed rocket engines for Earth-to-orbit vehicles 16 p2569 N91-24240
MARTIN, JOEL J.
Growth and characterization of tunable solid state lasers in the near infrared spectral region
[NASA-CR-187380] 03 p0370 N91-12071
MARTIN, JORGE M.
On the interpolation properties of feedforward layered neural networks
[AD-A238035] 21 p3566 N91-29824
Equations of learning and capacity of layered neural networks
[AD-A229633] 24 p4091 N91-32857
MARTIN, KAREN MARIE
The use of science in the management of hazardous air pollutants 20 p3369 N91-28667
MARTIN, KEITH E.
Total-dose radiation effects data for semiconductor devices (1989 supplement)
[NASA-CR-187431] 05 p0725 N91-14049
MARTIN, KEVIN P.
SWANEA (Southwest Asia-Northeast Africa): A climatological study. Volume 2: The Middle East Peninsula
[AD-A232776] 15 p2470 N91-23684
MARTIN, LEONARD
Hubble Space Telescope observations of Mars 11 p1821 N91-20003
MARTIN, M. E.
Laboratory testing of the Sonnenschein charger, Part number DTL 12040
[DE91-006543] 11 p1697 N91-19346
MARTIN, NANCY L.
Continuation of research into software for space operations support, volume 1
[NASA-CR-187661] 09 p1376 N91-17557
Continuation of research into software for space operations support: Conversion of the display manager to X Windows/Motif, volume 2
[NASA-CR-187662] 09 p1376 N91-17558
MARTIN, P.
Pseudomorphic InGaAs materials
[AD-A226895] 06 p0880 N91-14864
MARTIN, P. M.
Properties of reactively-deposited SiC and GeC alloys
[DE90-016363] 01 p0129 N91-10766
MARTIN, PATRICK L.
Constant stress of XD (trademark) TiAl containing nitrogen
[DE90-011947] 01 p0026 N91-10158
MARTIN, PHILIPPE
The certification of the aircraft integrated propulsive system
[REPT-911-111-102] 15 p2383 N91-23188
MARTIN, R. C.
Atmospheric methane data for the period 1986-1988 from the NOAA/CMDL global cooperative flask sampling network
[PB91-129122] 13 p2112 N91-21626
MARTIN, R. G.
A report on SHARP (Spacecraft Health Automated Reasoning Prototype) and the Voyager Neptune encounter
[NASA-CR-187810] 07 p1056 N91-15799
MARTIN, R. GAIUS
Spacecraft Health Automated Reasoning Prototype (SHARP): The fiscal year 1989 SHARP portability evaluations task for NASA Solar System Exploration Division's Voyager project
[NASA-CR-187338] 01 p0034 N91-10204
SHARP: Automated monitoring of spacecraft health and status 12 p1940 N91-20671
MARTIN, R. L.
Ab initio cluster studies of La2CuO4
[DE91-013520] 20 p3430 N91-29025
MARTIN, R. M.
Wake geometry effects on rotor blade-vortex interaction noise directivity
[NASA-TP-3015] 03 p0414 N91-12315
MARTIN, R. N.
CS J = 2 yields 1 emission toward the central region of M82 05 p0740 N91-14128
MARTIN, RANDOLPH J., III
Physical property measurements on analog granites related to the joint verification experiment
[AD-A230571] 13 p2116 N91-21650
MARTIN, RAYMOND T.
The 1990 tropical cyclones: Central North Pacific
[PB91-184564] 22 p3710 N91-30647
MARTIN, RICHARD JOHN
Nitrous oxide combustion chemistry 04 p0500 N91-12775
MARTIN, RICHARD W.
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
MARTIN, ROBERT M.
The Submillimeter Telescope (SMT) 13 p2178 N91-22033
MARTIN, RODERICK H.
Effect of initial delamination on Mode 1 and Mode 2 interlaminar fracture toughness and fatigue fracture threshold
[NASA-TM-104079] 18 p3000 N91-26569
Interlaminar fracture characterization: A current review
[NASA-CR-187573] 20 p3362 N91-28626
Damage prediction in cross-plied curved composite laminates
[NASA-TM-104089] 22 p3694 N91-30567
MARTIN, S. J.
Multiple-frequency SAW devices for chemical sensing and materials characterization
[DE91-010856] 18 p3057 N91-26888
Using quartz crystal microbalances to simultaneously sense mass accumulation and solution properties
[DE91-011501] 21 p3518 N91-29537
On-line monitoring of volatile organic species
[DE91-014655] 21 p3537 N91-29655
MARTIN, SARA F.
Studies of solar magnetic fields during the rise of solar cycle 22
[AD-A232970] 16 p2704 N91-24967
MARTIN, STEPHEN J.
Multiple-frequency surface acoustic wave devices as sensors
[DE90-009972] 08 p1213 N91-16675
Utilization of polymer viscoelastic properties in acoustic wave sensor applications
[DE90-010534] 08 p1213 N91-16676

MARTIN, STEPHEN W.
A head coupled sensor platform for teleoperated ground vehicles
[AD-A230649] 12 p1907 N91-20496
MARTIN, T. H.
Gaseous prebreakdown processes that are important for pulsed power switching
[DE91-015902] 21 p3510 N91-29487
MARTIN, W. H.
Linked gas chromatograph-thermal energy analyzer/ion trap mass spectrometer
[DE91-013585] 20 p3311 N91-28326
MARTIN, W. R.
Finnigan ion trap mass spectrometer detection limits and thermal energy analyzer interface status report and present capabilities
[DE91-006220] 11 p1679 N91-19254
Response matrix Monte Carlo based on a general geometry local calculation for electron transport
[DE91-007638] 11 p1785 N91-19794
Single-scatter Monte Carlo compared to condensed history results for low energy electrons
[DE91-015176] 21 p3573 N91-29869
MARTIN, WILLIAM J.
Evaluation of aerosolized medications during parabolic flight maneuvers 24 p4078 N91-32783
MARTIN, WILLIAM R.
Probabilistic structural mechanics research for parallel processing computers
[NASA-CR-187162] 20 p3365 N91-28644
MARTIN, Y.
Applicability of centrifuge to test space payloads 07 p0957 N91-15262
MARTINEAU, ROBERT R.
Mechanical strength and thermophysical properties of PM212: A high temperature self-lubricating powder metallurgy composite
[NASA-TM-103694] 13 p2054 N91-21302
MARTINELLI, G.
Cryostat for the gravitational antenna ALTAIR
[IFSI-90-3] 05 p0651 N91-13616
MARTINELLI, L.
Multigrid solution of compressible turbulent flow on unstructured meshes using a two-equation model
[NASA-CR-187513] 11 p1640 N91-19043
MARTINEZ-SANCHEZ, M.
Air Force Research in Aero Propulsion Technology (AFRAPT)
[AD-A229612] 22 p3620 N91-30140
MARTINEZ, D. R.
Parameter estimation of structural dynamic models using Eigenvalue and Eigenvector information
[DE91-004379] 11 p1785 N91-19793
MARTINEZ, EDWIN
Effect of channel size on sweet potato storage root enlargement in the Tuskegee University hydroponic nutrient film system 19 p3266 N91-28066
MARTINEZ, ERNEST C.
Bidirectional slapper detonators in spherical explosion systems
[DE91-002399] 05 p0659 N91-13662
MARTINEZ, I.
Long liquid bridges aboard sounding rockets (TEXUS 12) ESA 23 p3823 N91-31325
Freezing of a long liquid column (TEXUS 18) ESA 23 p3823 N91-31326
MARTINEZ, J. R.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
MARTINEZ, M. E.
Rocket observations of the ultraviolet spectrum of comet Austin (1989c1) 12 p2003 N91-21023
MARTINEZ, M. J.
The distribution of moisture beneath a two-dimensional surface source
[DE91-010720] 17 p2777 N91-25369
A boundary integral equation method for steady two-dimensional flow in partially saturated media
[DE91-016056] 23 p3868 N91-31573
MARTINIS, L.
The OASI observatory in Antarctica 13 p2179 N91-22036
MARTINO, JOSEPH P.
Study of bird ingestions into small inlet area aircraft turbine engines
[DOT/FAA/CT-90/13] 13 p2022 N91-21122
MARTINUSSEN, M.
Psychological and sociological aspects of the entrance of female aircrew to the Norwegian airforce 02 p0245 N91-11365
MARTO, PAUL J.
A predictive method to describe the boiling behavior of refrigerant-oil mixtures
[AD-A235872] 19 p3125 N91-27262
MARTYNENKO, O. G.
Acoustic stabilization of laser beam wavefront in nonhomogeneous gaseous medium 11 p1786 N91-19802
MARTZ, H. E.
Computed tomography software and standards
[DE91-002573] 05 p0702 N91-13914
Nuclear-spectroscopy computerized tomography scanners
[DE91-008447] 11 p1719 N91-19466
MARTZ, HARRY
Multiple-energy techniques in industrial computerized tomography
[DE90-017518] 02 p0193 N91-11081
MARUYAMA, SHIGEO
Laser annealing of silicon clusters
[AD-A224946] 03 p0344 N91-11926
MARUYAMA, T.
Strain enhanced electron spin polarization observed in photoemision from InGaAs
[DE91-012319] 20 p3425 N91-28996
MARUYAME, SHIGEO
Direct injection supersonic cluster beam source for FT-ICR studies of clusters
[AD-A224948] 03 p0338 N91-11892
MARVIN, A. C.
Propagation and coupling mechanisms 19 p3147 N91-27392
Measurement environments and testing 19 p3148 N91-27398
MARVIN, D. C.
The advanced solar cell orbital test 22 p3638 N91-30247
MARVIN, DEAN
Strategy in space flight experiments 11 p1673 N91-19220
MARVIN, DEAN C.
Photochemical spacecraft self-contamination: Laboratory results and systems impacts
[AD-A226488] 04 p0493 N91-12739
MARVIN, H.
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
The Berkeley/Anglo-Australian Observatory high-redshift supernova search
[DE91-012348] 18 p3084 N91-27051
The Berkeley search for distant supernovae to measure omega
[DE91-016418] 23 p3938 N91-32010
MARVIN, J. G.
CFD validation for forebody inlet interactions 17 p2773 N91-25349
MARVIN, MARK
Abrasive-waterjet machining of isogrid structures
[AD-A234628] 18 p2972 N91-26405
MARWICK, A. D.
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
MARX, BERNARD
Review of materials data banks in France 12 p1996 N91-20985
MARX, K. A.
The monomolecular organization of a photodynamic protein system through specific surface recognition of streptavidin to biotinylated LB films
[AD-A235859] 19 p3139 N91-27348
MARY, F.
Technical evaluation report on the flight mechanics panel symposium on progress in military airlift
[AGARD-AR-300] 17 p2730 N91-25119
MARYNICK, DENNIS S.
Electronic and ionic transport in processable conducting polymers
[AD-A227857] 08 p1120 N91-16154
Electronic and ionic transport in processable conducting polymers
[AD-A231293] 13 p2057 N91-21321
Electronic and ionic transport in processable conducting polymers
[AD-A234597] 18 p2963 N91-26352
Electronic and ionic transport in processable conducting polymers
[AD-A238175] 21 p3489 N91-29362
MARZIANI, PAOLO
The complex nature of the Seyfert galaxy NGC 7592 08 p1250 N91-16882
The double nucleus galaxies Mkn 423 and Mkn 739 08 p1252 N91-16891
MARZO, C.
An introduction to old and new SAR interferometric techniques 07 p0992 N91-15445
MARZOCCA, A. J.
Resonant method for the measurement of the glass transition temperature at high frequencies
[DE91-618684] 20 p3326 N91-28416
MARZULLO, KEITH
The ISIS project: Fault-tolerance in large distributed systems
[NASA-CR-186625] 05 p0704 N91-13928
ISIS and META projects
[NASA-CR-186413] 06 p0857 N91-14731
Tools for monitoring and controlling distributed applications
[NASA-CR-187977] 10 p1574 N91-18664
Consistent detection of global predicates
[NASA-CR-188078] 12 p1960 N91-20783
Masking failures of multidimensional sensors (extended abstract)
[NASA-CR-188120] 14 p2308 N91-22752
Using consistent subcuts for detecting stable properties
[NASA-CR-187844] 16 p2667 N91-24759
Derivation of sequential, real-time, process-control programs
[NASA-CR-185433] 19 p3218 N91-27785
Masking failures of multidimensional sensors
[AD-A235580] 19 p3219 N91-27790
MARZWELL, NEVILLE I.
A space servicing telerobotics technology demonstration 12 p1938 N91-20660
MASAD, ASNAT
The influence of a polar solvent on the dynamics of intra-molecular electron transfer
[ITN-91-85082] 07 p1065 N91-15859
MASAD, JAMAL AHMAD
Secondary instabilities of boundary layers 22 p3672 N91-30449
MASAI, K.
He-like spectra through charge exchange processes in tokamak plasmas
[NIFS-69] 11 p1802 N91-19894
MASCARENHAS, NELSON D. A.
Restoration of solar radio images: Evaluation of poor conditions and resolution by regularization techniques
[INPE-4557-PRE/1298] 05 p0646 N91-13587
MASCHHOFF, K. J.
Choosing processor array configuration by performance modeling for a highly parallel linear algebra algorithm
[DE91-012486] 20 p3384 N91-28749
MASCHKE, PETER
Study of the predictive validity of a psychological selection procedure for air-traffic controllers based on training criteria
[DLR-FB-91-11] 24 p3954 N91-32090
MASCIO, W. A.
Nozzle vector angle determination using a laser measurement system 16 p2575 N91-24274
MASCORRO, EDWARD
Failure prediction of thin beryllium sheets used in spacecraft structures
[NASA-CR-188167] 14 p2276 N91-22588
MASE, G. T.
Probabilistic micromechanics and macromechanics of polymer matrix composites
[NASA-TM-103669] 11 p1676 N91-19236
MASEEH, FARIBORZ
Mechanical properties of microelectronics thin films: Silicon nitride (Si3N4)
[AD-A225394] 03 p0425 N91-12379
Mechanical properties of microelectronics thin films: Silicon dioxide (SiO2)
[AD-A225395] 03 p0425 N91-12380
Viscoelasticity and creep recovery of polyimide thin films
[AD-A225475] 04 p0506 N91-12811
Plastic deformation of highly doped silicon
[AD-A225476] 04 p0506 N91-12812
MASERJIAN, JOSEPH
New heterojunction LWIR detector options 06 p0796 N91-14398
Novel Si(1-x)Ge(x)/Si heterojunction internal photoemission long wavelength infrared detectors 06 p0797 N91-14401
InAs/GaAs and InAs doping superlattices 06 p0799 N91-14409
Millimeter-wave monolithic diode-grid frequency multiplier
[NASA-CASE-NPO-17258-1-CU] 06 p0823 N91-14551
MASHEDER, M. R. W.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970
MASHESSE, J. M.
Evolutionary population synthesis in starburst regions
[MPE-PREPRINT-198] 23 p3939 N91-32017

MASI, JAMES
Method for providing EMI/EMP hardening and breakdown protection in composite materials
[AD-D014846] 16 p2590 N91-24356
Composite material for EMI/EMP hardening protection in marine environments
[AD-D014847] 16 p2590 N91-24357
MASI, SILVIA
Sub-millimetric cosmology: From ground based to space observations 13 p2173 N91-21991
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation 13 p2179 N91-22040
A high throughput, multiband photometer for the TIR project 13 p2180 N91-22042
MASKIL, NISSAN
A high resolution study of the Cu K alpha(sub 1,2) x-ray emission lines 15 p2499 N91-23841
MASLANIK, J.
Sea ice-atmosphere interaction: Application of multispectral satellite data in polar surface energy flux estimates
[NASA-CR-187376] 05 p0680 N91-13782
MASLANIK, J. A.
Lead detection and mapping with reference to relationships between scale, sensor characteristics, surface conditions and atmospheric properties
[AD-A235121] 18 p3018 N91-26666
MASNOVI, JOHN
Polymeric routes to silicon carbide and silicon oxycarbide CMC
[NASA-TM-104372] 18 p2943 N91-26234
MASON, DEBORAH DAWN
Time dependence of the displacement fields around fiber breaks in a composite with a power-law creeping matrix 03 p0377 N91-12106
MASON, G.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292
MASON, GREGORY S.
Multirate sampled-data yaw-damper and modal suppression system design
[NASA-CR-188017] 12 p1843 N91-20130
Progress in multirate digital control system design
[NASA-CR-187561] 19 p3233 N91-27877
MASON, H. B.
NOx emission constraints on high-temperature processes
[PB91-136424] 16 p2654 N91-24682
MASON, J. R.
Large liquid rocket engine transient performance simulation system
[NASA-CR-184099] 13 p2042 N91-21232
Large liquid rocket engine transient performance simulation system
[NASA-CR-183780] 16 p2587 N91-24340
MASON, JAMES B.
Systems special investigation group overview 16 p2723 N91-25084
MASON, JAMES MEREDITH
A reciprocity technique for the characterisation of sound transmission into aircraft fuselages 20 p3395 N91-28817
MASON, K. O.
IUE and Einstein observations of the LINER galaxy NGC 4579 09 p1444 N91-17965
MASON, LEE S.
Space reactor/Stirling cycle systems for high power lunar application
[NASA-TM-103698] 11 p1653 N91-19112
MASON, MARY L.
Aeropropulsive characteristics of canted twin pitch-vectoring nozzles at Mach 0.20 to 1.20
[NASA-TP-3060] 14 p2185 N91-22069
Multiaxis thrust vectoring using axisymmetric nozzles and postexit vanes on an F/A-18 configuration vehicle
[NASA-TM-101741] 14 p2188 N91-22083
MASON, STEPHANIE
The SPAN cookbook: A practical guide to accessing SPAN
[NASA-TM-105054] 22 p3726 N91-30740
MASON, STEPHEN F.
HII regions in IC 1613: The ISM in a nearby dwarf irregular galaxy 05 p0746 N91-14157
MASON, T. O.
High Tc oxide solid state reaction kinetics via complex impedance spectroscopy
[DE90-011178] 08 p1232 N91-16792
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
Defect clustering and related properties of oxides
[DE91-011072] 18 p2952 N91-26290
MASOTTO, THOMAS
A highly reliable, autonomous data communication subsystem for an advanced information processing system 04 p0485 N91-12696
MASOTTO, TOM
Knowledge representation into Ada parallel processing
[NASA-CR-187451] 05 p0705 N91-13934
MASOUDI, M.
Steady flow of a fluid-solid mixture between parallel plates
[DE91-013114] 21 p3510 N91-29491
MASSA, DERCK
The dependence of UV extinction properties on dust environment 06 p0887 N91-14902
Carbon and nitrogen abundances in the supergiants HD 93840 and zeta Per 09 p1437 N91-17919
MASSA, F.
Performances of a resistive plate counter at high ionization rates
[NOTA-INTERNA-960] 12 p1902 N91-20460
MASSA, R.
Hindlimb suspension of rabbit for one week: Myofibrillar damage in the soleus may depend on long-lasting shortening and periodic contraction against no load 11 p1754 N91-19647
MASSAGLIA, S.
Thermal instabilities in cooling flows: The evolution of nearly spherical perturbations
[MPE-PREPRINT-176] 11 p1700 N91-19365
MASSAROTTI, ALESSANDRO
Light domain walls, massive neutrinos and the large scale structure of the Universe
[NASA-CR-188446] 16 p2685 N91-24867
MASSEE, P.
Predesign of an experimental (5-10 MWt) disk MHD facility and prospects of commercial (1000 MWt) MHD/steam systems
[EUT-90-E-243] 22 p3757 N91-30945
MASSELL, PAUL
Basic operation and preliminary trials of a detector for stationary gas bubbles
[AD-A239710] 23 p3900 N91-31769
MASSENAT, MICHEL
Surface mount on ceramic: How to achieve a space quality level 24 p3993 N91-32309
MASSIE, N. A.
Low-cost, high-resolution telescopes for imaging low-earth orbit satellites
[DE90-012081] 08 p1243 N91-16850
MASSIE, S. T.
Temperature dependent infrared cross sections for CFC-11, CFC-12, CFC-13, CFC-14, CFC-22, CFC-113, CFC-114 and CFC-115
[PB91-164780] 19 p3201 N91-27693
MASSIMINO, D.
A ground based module for experimentations of cultivations and recycling in a closed environment 11 p1756 N91-19657
MASSIMINO, J.
A ground based module for experimentations of cultivations and recycling in a closed environment 11 p1756 N91-19657
MASSOGLIA, PETER L.
Automatic Dependent Surveillance (ADS) Program summary 24 p3954 N91-32094
International program summary 24 p3955 N91-32098
MASSON, COLIN
The Smithsonian Astrophysical Observatory submillimeter wave telescope array 13 p2175 N91-22009
MASSOUD, HISHAM Z.
An investigation of Si-SiO2 interface charges in thermally oxidated (100), (110), (111), (511) silicon
[AD-A231244] 13 p2162 N91-21923
MASSOUDI, M.
On the viscosity of a mixture of particulate solids and a fluid continuum
[DE91-000940] 04 p0523 N91-12912
A review of interaction mechanisms in fluid-solid flows
[DE91-000941] 05 p0659 N91-13660
A review of theories for flowing granular materials with applications to fluidized beds and solids transport
[DE91-013111] 20 p3343 N91-28514
Modification of the 'TEACH' computer code for use in a study of swirling turbulent flows
[DE91-010492] 21 p3511 N91-29496
MASTERS, A. I.
Advanced expander test bed program
[NASA-CR-187082] 13 p2043 N91-21234
Advanced expander test bed program. Preliminary design review report, 27 April 1990 - 31 January 1991
[NASA-CR-187081] 19 p3114 N91-27205
MASTERS, J. G.
Polyaniline: Synthesis and properties of pernigraniline
[AD-A233706] 18 p2945 N91-26245
Polyaniline: Allowed oxidation states
[AD-A233842] 18 p2946 N91-26251
Light induced electron spin resonance in polyaniline
[AD-A233847] 18 p2959 N91-26331
X ray structure of polyanilines
[AD-A233848] 18 p2959 N91-26332
Polyaniline: Oriented films and fibers
[AD-A234414] 18 p2962 N91-26347
MASTERS, JOHN E.
Damage development under compression-compression fatigue loading in a stitched uniwoven graphite/epoxy composite material
[NASA-CR-188693] 20 p3305 N91-28292
MASTERSON, M. J.
Performance evaluation of new large-area avalanche photodiodes for scintillation spectroscopy
[DE91-017400] 24 p4007 N91-32405
MASTROIANNI, GEORGE R.
Results of a pilot study: Target identification using computer visual simulation of laser-induced contrast sensitivity deficits
[AD-A232899] 16 p2632 N91-24568
MASTROVITO, A.
Patterning and overgrowth of nanostructure quantum well wire arrays by LP-MOVPE (low pressure-metalorganic vapor phase epitaxy)
[DE91-000717] 04 p0591 N91-13302
MASUBUCHI, KOUZO
DCP subsystem 01 p0059 N91-10352
MASUDA, KOICHI
Numerical simulation of aerodynamic effects of the rear-spoiler on an automobile 04 p0465 N91-12602
MASUDA, S. R.
Heterocycles based on group 3, 4, and 5 elements: Precursors for novel glasses and ceramics
[AD-A226988] 06 p0812 N91-14487
MASUGATA, K.
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
MASUGATA, KATSUMI
Theoretical study of plasma focus diode 11 p1801 N91-19887
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
MASUI, H.
The control of orbital mixing in ruthenium complexes containing quinone related ligands
[AD-A234602] 18 p2947 N91-26260
MASULLO, S.
The requirements on data systems of Columbus logistics and engineering support 14 p2219 N91-22264
MASUR, H.
Study of the absorption lines widened by the effect of pressure, emitted by the combustion gases of propulsive powders
[ISL-R-124/89] 13 p2043 N91-21237
MASUYA, GORO
An experiment on supersonic turbulent mixing layers: Supersonic-subsonic two-stream layers
[NAL-TR-1066] 08 p1090 N91-15983
Autoignition and flameholding in a cylindrical scramjet combustor
[NAL-TR-1067] 08 p1111 N91-16102
Experiment on a rectangular cross section Scramjet combustor
[NAL-TR-1068] 12 p1842 N91-20127
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
MATARIC, MAJA J.
A distributed model for mobile robot environment-learning and navigation
[AD-A225711] 04 p0475 N91-12654
MATESE, J. J.
Planetological implications of mass loss from the early Sun 17 p2898 N91-26017
MATESE, JOHN J.
Sublimating icy planetesimals as the source of nucleation seeds for grain condensation in classical novae 06 p0908 N91-15016
Sublimating comets as the source of nucleation seeds for grain condensation in the gas outflow from AGB stars 06 p0909 N91-15018
MATESHVILI, G.
Dust of Orionid meteor shower in the Earth atmosphere before and after Halley's Comet 06 p0908 N91-15012
MATESHVILI, YU.
Dust of Orionid meteor shower in the Earth atmosphere before and after Halley's Comet 06 p0908 N91-15012
MATHAI, C.
Proceedings of the 28th Annual Technical Symposium on Achieving Technical and Management Excellence
[PB91-189134] 22 p3764 N91-30984

MATHE, J. M.
Application of an acquisition image processing system to the quantitative analysis of flows
[AAAF-NT-89-27] 23 p3913 N91-31851
MATHER, J. C.
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
MATHER, J. L.
Implications of adaptive cancellation array processing for design of a space-based surveillance radar
[RSRE-MEMO-4410] 15 p2413 N91-23364
MATHER, JOHN C.
On the origin of extinction in the Coma cluster of galaxies 06 p0902 N91-14987
MATHERNE, J. L.
Direct conversion of methane to C2's and liquid fuels
[DE91-005872] 09 p1320 N91-17249
Direct conversion of methane to C2's and liquid fuels
[DE91-005868] 10 p1506 N91-18290
Direct conversion of methane to C2's
[DE91-005730] 11 p1678 N91-19251
Direct conversion of methane to C2's and liquid fuels
[DE91-005729] 11 p1690 N91-19313
MATHERS, C. D.
A study of sound balances for the hard of hearing
[BBC-RD-1991/3] 17 p2766 N91-25310
MATHES, H. B.
Stability testing of full scale tactical motors
16 p2577 N91-24281
Nonlinear stability testing and pulsing of full scale tactical motors 16 p2577 N91-24282
MATHEW, M. D.
Creep rupture properties of solution annealed and cold worked type 316 stainless steel cladding tubes
[DE91-618658] 16 p2633 N91-24575
MATHEWS, A. R.
Full-field Fabry-Perot interferometer
[DE91-014610] 21 p3518 N91-29540
VISAR: Line-imaging interferometer
[DE91-014749] 21 p3519 N91-29542
MATHEWS, BRUCE D.
Saberliner flight test for airborne wind shear forward looking detection and avoidance radar systems
16 p2553 N91-24149
MATHEWS, G. J.
Chaotic inflation and the omega problem
[DE91-006253] 10 p1617 N91-18917
Nuclear and astronomical constraints on the site for r-process nucleosynthesis
[DE91-016561] 24 p4122 N91-33038
MATHEWS, KIRK A.
Monte Carlo simulation of atmospheric neutron transport at high altitudes using MCNP
[AD-A226773] 08 p1176 N91-16474
MATHEWS, KIRT A.
Modifications to MCNP, version 3B: Incorporating a variable density atmosphere, addendum
[AD-A231425] 14 p2285 N91-22637
MATHIEU-COSTELLO, ODILE
COSMOS 2044: Lung morphology study, experiment K-7-28
[NASA-CR-187711] 22 p3713 N91-30668
MATHIEU, A.
CMC materials for a high performance 20 N thruster
03 p0332 N91-11855
MATHIEU, G.
Turbulent boundary layer influence on the flow field behind a shock wave in a shock tube
[ISL-CO-225/89] 03 p0366 N91-12049
The laser-Doppler-velocimeter for flow diagnostics: Density and velocity measurements in post-piston boundary layer flow
[ISL-CO-208/90] 12 p1899 N91-20442
MATHIS, JOHN S.
The relationship between IR, optical, and UV extinction 06 p0887 N91-14899
MATHIS, JULIE
Women in the aerospace engineering faculty of higher education
[NIAR-91-22] 22 p3762 N91-30971
MATHIS, JULIE A.
LDV measurements of a jet in a crossflow
10 p1456 N91-18027
MATHIS, JULIE ANN
Fine scale velocity measurements in a turbulent jet in a confined crossflow 02 p0157 N91-10909
MATHIS, M. D.
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407
MATHIS, R. J.
Gas engine durability improvement, volume 1
[PB91-136341] 17 p2782 N91-25394
MATHUR, G. P.
Fuselage shell and cavity response measurements on a DC-9 test section
[NASA-CR-187557] 23 p3924 N91-31926
MATHUR, M. P.
Steady flow of a fluid-solid mixture between parallel plates
[DE91-013114] 21 p3510 N91-29491
MATHUR, VEERENDRA K.
Method of laser discrimination using stimulated luminescence
[AD-D014897] 19 p3170 N91-27528
MATIC, PETER
A complex systems approach to metallic fracture surface characterization
[AD-A232546] 15 p2447 N91-23556
MATIJASEVIC, V. C.
Evidence for cation disorder in in-situ grown YBaCuO superconducting films
[DE91-016760] 24 p4110 N91-32971
MATKOWSKY, BERNARD J.
Studies in nonlinear problems of energy
[DE91-005081] 10 p1495 N91-18230
MATLOCK, D. K.
Novel concepts in weld metal science: Role of gradients and composite structure
[DE91-009817] 14 p2248 N91-22435
MATLOFF, N.
Optical shared memory system demonstration model
[AD-A226431] 05 p0651 N91-13612
MATOVICH, CHERYL
Amorphous silicon solar cells prepared at high deposition rates
[DE90-000371] 04 p0543 N91-13012
MATRAY, PHILIPPE
Contribution to the study of magnesium cements and their evaluation as the matrix for glass fiber reinforced composite materials
[ISAL-90-0051] 22 p3646 N91-30290
MATRO, DEAN R.
A lexicon of contracting terms: Contract types
[AD-A229534] 22 p3763 N91-30977
MATSAKIS, YOANI
Mental rotation of three-dimensional shapes in microgravity 11 p1762 N91-19694
MATSCHINSKE, EMMA GIADA
Statistical forecasting of precipitation associated with the passage of frontal systems in the south region of Brazil
[INPE-5208-TDL/429] 13 p2121 N91-21672
MATSEPURO, A. D.
The rheological behaviour and thixotropy of electrorheological suspensions in differing temperature/velocity conditions
[RAE-LIB-TRANS-2182] 16 p2619 N91-24500
MATSINOS, E.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845
MATSIRIDIS, P.
A modulus for flight simulation in a computer aided project of commercial airplanes
[ILR-MITT-235(1990)] 03 p0312 N91-11747
MATSON, D. L.
IRAS asteroid families 17 p2897 N91-26011
MATSON, DAVID
Human short-latency somatosensory evoked potentials in impact acceleration research: Equipment, procedures, and techniques
[AD-A232732] 15 p2475 N91-23709
MATSON, DENNIS
Cassini: A mission to Saturn and Titan
10 p1618 N91-18924
MATSON, PAMELA
Global change and carrying capacity: Implications for life on Earth 09 p1357 N91-17454
MATSOS, HELEN C.
The rotating spectrometer: New biotechnology for cell separations
[NASA-TM-103522] 07 p1034 N91-15673
A biosensor for cadmium based on bioconvective patterns
[NASA-TM-103523] 07 p1034 N91-15674
MATSUBARA, K.
Application of lightning arrester on transmission lines
[DE91-764239] 16 p2619 N91-24498
MATSUBARA, S.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298
MATSUDA, H.
Thin film single crystal growth of a nonlinear optical polymer
[AD-A227692] 08 p1235 N91-16807
MATSUDA, MINORU
Numerical simulation on inverse jet of solid rocket motor 04 p0453 N91-12526
MATSUDA, T.
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
MATSUDA, TAKUYA
Interaction between a spherical jet and a flow
04 p0468 N91-12620
MATSUDA, Y.
Physics study of the application of an IFEL (Induction-Accelerator Free-Electron Laser) to CIT
[DE91-004993] 10 p1527 N91-18411
Quasilinear simulation of auroral kilometric radiation by a relativistic Fokker-Planck code
[DE91-009736] 13 p2117 N91-21656
MATSUHARA, H.
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope
13 p2174 N91-22004
MATSUI, A.
Effective cleaning of oil-protected bearing steel examined by XPS analysis. Part 1: Cleaning by solvents and alkaline cleaners
[NAL-TR-1074] 13 p2096 N91-21538
MATSUMOTO, H.
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888
MATSUMOTO, K.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298
MATSUMOTO, KIYOSHI
Computer code conversion using HISTORIAN
[DE91-744830] 12 p1954 N91-20749
MATSUMOTO, R.
Self-similar evolution of nonlinear magnetic buoyancy instability 20 p3411 N91-28913
MATSUMOTO, T.
A rocket-borne measurement of interstellar dust emission at high galactic latitude
06 p0900 N91-14976
MATSUMURA, MASAFUMI
Polarization and extinction by aligned grains
06 p0888 N91-14907
MATSUNAGA, KOJI
Application of 3-D Navier-Stokes computation to turbine vane design 24 p3948 N91-32069
MATSUNASHI, S.
The application of simulation model for the flow induced by air bubble plume in thermally stratified reservoirs
[DE91-003064] 11 p1703 N91-19380
MATSUNO, KENICHI
An implicit scheme for unsteady compressible Navier-Stokes equations 04 p0465 N91-12605
MATSUO, H.
A rocket-borne measurement of interstellar dust emission at high galactic latitude
06 p0900 N91-14976
MATSUO, HIROSHI
Calibration source for electron cyclotron emission measurements
[NIFS-19] 24 p4101 N91-32913
MATSUO, YUICHI
An assessment of turbulence models in compressible viscous flow analysis 04 p0452 N91-12520
Three-dimensional Navier-Stokes simulation of flow around ATP 04 p0468 N91-12626
Numerical analysis of three-dimensional cascade flow
24 p3948 N91-32067
MATSUOKA, AKINORI
Unsteady flow analysis in two-dimensional compressor cascade 24 p3947 N91-32064
MATSUOKA, CHIHIRO
Point vortex description of a modon solution
20 p3414 N91-28931
MATSUOKA, M.
The x ray emission of SS433
[MPE-PREPRINT-189] 08 p1244 N91-16856
MATSUSHIMA, KISA
Numerical simulation of transonic flows over Boeing-747 and its validation by comparison with experimental data
04 p0456 N91-12551
Aerodynamic simulation of flows about a space-plane 3 04 p0457 N91-12556
Upwind differencing for viscous flow computations
04 p0467 N91-12614
Numerical simulations of aerodynamical contribution of flows about a space-plane 04 p0467 N91-12616
MATSUSHIMA, MASAMICHI
Fundamental verification of tailoring technology for control of a coefficient of thermal expansion by composite testing facilities
[NAL-TR-1058] 08 p1105 N91-16069
MATSUSHITA, TOSHIO
Planning of visual feedback with robot-sensor co-operation 15 p2491 N91-23793

Robot-sensor co-operation planning for visual guidance 15 p2491 N91-23794
A line based object localizing method for robot vision 15 p2491 N91-23795

MATSUURA, KENJI
The electric field changes and UHF radiations caused by the triggered lightning in Japan 24 p4055 N91-32652

MATSUZAWA, S.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography [DE91-727527] 06 p0806 N91-14451

MATTAUCH, R. J.
Fabrication and optimization of a whiskerless Schottky barrier diode for submillimeter wave applications [NASA-CR-186381] 02 p0204 N91-11144

MATTERN, DUANE
Towards practical control design using neural computation [NASA-TM-103785] 11 p1780 N91-19766
Integrated flight/propulsion control system design based on a decentralized, hierarchical approach [NASA-TM-103678] 13 p2025 N91-21137
A linear control design structure to maintain loop properties during limit operation in a multi-nozzle turbofan engine [NASA-TM-105163] 21 p3460 N91-29188

MATTERN, DUANE L.
IMPAC: An Integrated Methodology for Propulsion and Airframe Control [NASA-TM-103805] 12 p1841 N91-20122
Application of an integrated flight/propulsion control design methodology to a STOVL aircraft [NASA-TM-105254] 24 p3962 N91-32143

MATTERN, FRIEDMANN
The derivation of distributed termination detection algorithms from garbage detection schemes [RUU-CS-90-24] 23 p3910 N91-31827

MATTHAEI, E.
Possibilities of stress measurement on ceramic materials using acoustic microscopy 05 p0640 N91-13547

MATTHEWS, D.
X ray holography at Lawrence Livermore National Laboratory [DE91-002673] 05 p0664 N91-13690
Short pulse driven recombination x ray lasers [DE90-009945] 08 p1151 N91-16340
X ray laser holography of biological microstructures [DE91-008732] 13 p2088 N91-21488
Collisional excitation x ray lasers [DE91-010467] 14 p2269 N91-22557

MATTHEWS, D. L.
Recombination x ray laser experiments using exploding ribbon Al targets [DE91-006710] 09 p1343 N91-17380
Nonlinear optics with focused x ray lasers [DE91-006512] 10 p1529 N91-18417
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility [DE91-007343] 10 p1530 N91-18426
Short wavelength nickel-like x ray laser development [DE91-007344] 10 p1530 N91-18427
Recombination x ray laser experiments using exploding ribbon Al targets [DE91-007146] 11 p1712 N91-19429
Nickel-like x ray lasers [DE91-008502] 11 p1712 N91-19433
UV Thomson scattering from x ray laser plasmas [DE91-007347] 11 p1802 N91-19895

MATTHEWS, JOHN D.
Liquid water production from atmospheric sources [AD-A235090] 18 p2972 N91-26406

MATTHEWS, PAUL
HEAVENS system for software artifacts 13 p2167 N91-21958

MATTHEWS, PAUL R.
System for connecting fluid couplings [NASA-CASE-MFS-26042-1-SB] 06 p0834 N91-14613

MATTHEWS, R. B.
Carbide fuels for nuclear thermal propulsion [DE91-016032] 23 p3927 N91-31945

MATTHEWS, S. D.
Guidelines for acquisition, installation, and testing of performance assessment software [DE91-013910] 20 p3387 N91-28764

MATTHEWS, WILLIAM T.
Model sensitivity in stress-strength reliability computations [AD-A232023] 15 p2447 N91-23554

MATTILA, KALEVI
The spectral energy distribution of the scattered light from dark clouds 06 p0889 N91-14911
H I and dust in the high latitude dark cloud L1642 06 p0895 N91-14946

MATTISON, EDWARD M.
Effect of thermal cycling on stress in metallic films on ceramic substrates 17 p2854 N91-25779
Physics of systematic frequency variations in hydrogen masers 17 p2857 N91-25796
Performance of Soviet and US hydrogen masers 17 p2857 N91-25799

MATTISSEK, A.
A unified approach to simulation software and operational software 07 p1043 N91-15725

MATTOR, N.
Anomalous ion heating from the dynamo in a reversed field pinch [DE91-015586] 21 p3589 N91-29966

MATTOUT, R.
Preliminary study of a membrane bioreactor for cell culture in space 11 p1750 N91-19627

MATTSON, KIM G.
Response of forest trees to sulfur, nitrogen, and associated pollutants [PB90-270539] 09 p1360 N91-17473

MATTSSON, S.
Radiation assessment of complex technologies 24 p3997 N91-32342

MATTY, JERE J.
Infrared sensor test methodology and facilities 11 p1659 N91-19139

MATUS, LAWRENCE G.
Silicon carbide, a semiconductor for space power electronics [NASA-TM-103655] 06 p0878 N91-14850
Development of silicon carbide semiconductor devices for high temperature applications [NASA-TM-104398] 14 p2337 N91-22921
Advances in silicon carbide Chemical Vapor Deposition (CVD) for semiconductor device fabrication [NASA-TM-104410] 15 p2516 N91-23946
Silicon carbide, an emerging high temperature semiconductor 15 p2538 N91-24061

MATYJASZEWSKI, KRZYSZTOF
Catalysts and initiators as instruments controlling structure of polymers with inorganic backbone [AD-A235350] 18 p2965 N91-26368
Polysilanes; synthesis, modification, and properties [AD-A235351] 18 p2965 N91-26369
Synthesis and characterization of polysilanes [AD-A235357] 18 p2965 N91-26370
Preparation of inorganic and organometallic polymers with controlled structures [AD-A235359] 18 p2966 N91-26371
Anionic ring-opening polymerization of cyclotetrasilanes [AD-A235360] 18 p2966 N91-26372

MATYUGOV, S. S.
Sulfuric acid in Venusian atmosphere determined from radio opacity data 12 p1849 N91-20160

MATZ, STEVEN
OSSE data flow and analysis [AD-A236224] 19 p3168 N91-27515

MATZEN, KEITH
Sodium-neon resonant photoexcitation soft x ray laser experiments on Saturn [DE90-014946] 01 p0046 N91-10275

MATZEN, M. K.
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy [DE91-010584] 15 p2512 N91-23919

MAUDLIN, P. J.
Texture-induced anisotropy and high-strain rate deformation in metals [DE90-016611] 01 p0027 N91-10163
Implementation and assessment of the mechanical-threshold-stress model using the EPIC2 and PINON computer codes [DE90-017855] 03 p0380 N91-12123
Effects of anisotropy on dynamic tensile behavior [DE91-014748] 21 p3533 N91-29632

MAUEL, M. E.
Transport simulation of the effect of impurity radiation on the high beta, ohmic start-up of the HBT-EP tokamak [DE90-010333] 08 p1227 N91-16760

MAUERSBERGER, R.
CS in nearby galaxies: Distribution, kinematics, and multilevel studies 05 p0762 N91-14235

MAUGHMER, MARK D.
An airfoil for general aviation applications 04 p0460 N91-12572
Analysis and design of planar and non-planar wings for induced drag minimization [NASA-CR-188656] 19 p3101 N91-27131

MAUK, MICHAEL G.
Electronic GaAs-on-silicon material for advanced high-speed optoelectronic devices [AD-A232088] 15 p2419 N91-23399

MAUL, A.
VLF, ELF, and ULF wave research using the Tromso heating facility 10 p1547 N91-18512

MAUL, WILLIAM A.
The application of neural networks to the SSME startup transient [NASA-CR-187138] 15 p2386 N91-23205
Space engine safety system [NASA-CR-187219] 23 p3803 N91-31209

MAULL, D. J.
The effect of wing planform on low speed buffet 06 p0782 N91-14336

MAUNEY, JON
Strategies for reliable and real time execution on a heterogeneous multiprocessor [AD-A234114] 18 p3043 N91-26801

MAUNG, KHIN M.
Kaon-nucleus scattering 19 p3270 N91-28086

MAUPIN, G. D.
Ultra-fine powders using glycine-nitrate combustion synthesis [DE91-012926] 20 p3325 N91-28412
Air-sintering mechanisms of chromites [DE91-015527] 21 p3599 N91-30027

MAURER, R. H.
Gallium Arsenide solar cell radiation damage experiment 22 p3638 N91-30241
A I-V analysis of irradiated Gallium Arsenide solar cells 22 p3638 N91-30242

MAURER, SCOTT M.
Structural and acidic properties of niobia-silica and niobia-alumina aerogels [AD-A235864] 19 p3124 N91-27261

MAURETTE, M.
C-rich micrometeorites on the early Earth and icy planetary bodies 10 p1622 N91-18947

MAURIELLO, ANTHONY
Mechanical response tissue analyzer for estimating bone strength 14 p2356 N91-23031

MAURITZEN, DAVID
Rocket noise filtering system using digital filters 11 p1825 N91-20031

MAURO, B. R.
Angular dependence of thin-film dielectric coating damage thresholds [DE91-000237] 08 p1153 N91-16351

MAUS, DARYL
Resettable binary latch mechanism for use with paraffin linear motors 16 p2641 N91-24619

MAUSER, W.
Multiparametric radar data for land applications 07 p0992 N91-15441

MAUSHART, J.
D.C. magnetron sputtering of oxidation-resistant Cr and CrN films/monitored by optical emission spectrometry [MBB-Z-0318-90-PUB] 07 p0978 N91-15366

MAUTZ, JOSEPH R.
A procedure for numerical evaluation of the performance of a TM01 circular to TE10 rectangular waveguide mode converter [AD-A230445] 12 p1893 N91-20407

MAVRIPLIS, D. J.
Multigrid solution of compressible turbulent flow on unstructured meshes using a two-equation model [NASA-CR-187513] 11 p1640 N91-19043
Three dimensional unstructured multigrid for the Euler equations [NASA-CR-187565] 17 p2728 N91-25105

MAVRIPLIS, DIMITRI J.
Turbulent flow calculations using unstructured and adaptive meshes [NASA-CR-182102] 01 p0002 N91-10010
Unstructured and adaptive mesh generation for high Reynolds number viscous flows [NASA-CR-187534] 12 p1831 N91-20063
Implicit solvers for unstructured meshes [NASA-CR-187564] 16 p2549 N91-24125

MAX, C.
Cellular automata and parallel processing for practical fluid-dynamics problems [AD-A229234] 09 p1388 N91-17635

MAX, C. E.
Relativistic shock waves and the excitation of plerions [DE91-007623] 15 p2532 N91-24027

MAX, CLAIRE E.
Prospects for a special-purpose lattice gas computer [AD-A227916] 07 p1039 N91-15700

MAX, N.
Linear radiosity approximation using vertex radiosities [DE91-009754] 19 p3218 N91-27784

MAX, NELSON
Area and volume coherence for efficient visualization of 3D scalar functions [DE90-012994] 07 p1049 N91-15760

MAXAM, GARTH L.
Aircraft compatibility tasks required for the release of an Aircraft Compatibility Control Drawing (ACCD)
[DE91-004698] 07 p0945 N91-15179
MAXEY, L. C.
Optimizing the temperature compensation of an electronic pressure measurement system
[DE91-000522] 07 p1005 N91-15516
MAXIMON, L. C.
Evaluation of the integral
[PB90-235011] 02 p0258 N91-11437
MAXON, M. S.
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
MAXON, S.
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557
MAXSON, J. A.
Performance of multiple stream pulsed jet combustion systems
[DE91-012338] 21 p3473 N91-29259
A methodology for inhibiting the formation of pollutants in diesel engines
[DE90-011615] 21 p3526 N91-29584
Thermodynamics of combustion in an enclosure
[DE91-016430] 24 p4113 N91-32992
MAXTON, P. M.
Molecular crystals and localized vibrational states
[DE90-010602] 08 p1231 N91-16786
MAXWELL, E.
SERI Solar Radiation Resource Assessment Project
[DE91-002164] 24 p4040 N91-32575
MAXWELL, JAMES W.
The 1989 AMS-SIAM Summer Seminar on the Mathematics of Random Media
[AD-A226141] 04 p0573 N91-13181
MAXWELL, TED A.
Directory of research projects, 1991. Planetary geology and geophysics program
[NASA-TM-4288] 17 p2917 N91-26103
MAXWORTHY, T.
Laboratory modelling of the dynamics of coastal upwelling
[AD-A234987] 18 p3018 N91-26664
MAY, BRIAN D.
Pulsed response of a traveling-wave tube
[NASA-TM-103672] 11 p1697 N91-19348
MAY, DOUGLAS A.
Diurnal ocean surface layer model validation
[AD-A229010] 09 p1370 N91-17528
MAY, E.
High Energy Physics Division semiannual report of research activities, July 1, 1990--December 31, 1990
[DE91-012339] 20 p3404 N91-28868
MAY, JOHN H.
Next-generation fire extinguishing agent. Phase 2: Laboratory tests and scoping trials
[AD-A227347] 06 p0816 N91-14510
MAY, NICHOLAS EDWARD
Prediction of the flow and heat transfer between a rotating and a stationary cone 20 p3347 N91-28536
MAY, P. T.
Ocean surface current measurements with a single-station, Doppler/spaced-antenna radar
[PB91-142307] 16 p2661 N91-24722
MAY, R. G.
Ultra-low loss optical fiber characterization system development
[AD-A224843] 03 p0418 N91-12337
MAY, WILLIAM EDGAR
WordPerfect's toolbox: Formatting documents using styles and macros
[DE91-001884] 05 p0702 N91-13912
MAYA, L.
Nitrogen and boron-containing polymers as precursors of ceramic materials
[DE91-008890] 20 p3322 N91-28390
MAYA, TAKASI
Application of 3-D Navier-Stokes computation to turbine vane design 24 p3948 N91-32069
MAYBEE, J. C.
Hot gas test results of a miniature free-piston pressurization pump driven by hydrazine decomposition products
[DE91-017072] 24 p4027 N91-32504
MAYDEW, M. C.
Sandia technology: Engineering and science applications
[DE91-006760] 11 p1692 N91-19322
MAYDEW, R. C.
Manufacturing Technology: A Sandia Technology Bulletin, Volume 1, No. 1
[DE91-002518] 06 p0815 N91-14504
MAYER, A.
Electrodeposited coatings for diamond turning applications
[DE91-009950] 15 p2405 N91-23315
MAYER, B.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842
MAYER, PAULA S. D.
Framework programmable platform for the advanced software development workstation. Integration mechanism design document
[NASA-CR-188592] 17 p2830 N91-25636
MAYER, RICHARD
IDSE Version 1 User's Manual
[NASA-CR-187255] 04 p0557 N91-13085
MAYER, RICHARD J.
Design Knowledge Management System (DKMS)
[AD-A230266] 12 p1997 N91-20983
Framework programmable platform for the advanced software development workstation. Integration mechanism design document
[NASA-CR-188592] 17 p2830 N91-25636
MAYERCHECK, W. D.
Flywheel-powered shuttle car
[PB91-200543] 24 p4026 N91-32499
MAYERGOYZ, I. D.
Microwave generation for magnetic fusion energy applications, task B
[DE90-011079] 08 p1227 N91-16763
Microwave generation for magnetic fusion energy applications, task C
[DE90-011080] 08 p1227 N91-16764
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
Microwave generation for magnetic fusion energy applications
[DE91-008280] 12 p1983 N91-20912
MAYES, B. W.
Selected problems in experimental intermediate energy physics
[DE91-008910] 14 p2326 N91-22848
MAYES, PAUL
Proceedings of the 1989 Antenna Applications Symposium. Volume 1
[AD-A226021] 04 p0515 N91-12862
Proceedings of the 1989 Antenna Applications Symposium. Volume 2
[AD-A226022] 04 p0515 N91-12863
Proceedings of the 1990 Antenna Applications Symposium, volume 1
[AD-A237056] 20 p3333 N91-28460
Proceedings of the 1990 Antenna Applications Symposium, volume 2
[AD-A237057] 20 p3333 N91-28461
MAYFIELD, M. J.
Fuel cells
[DE90-009686] 05 p0684 N91-13805
MAYHALL, D. J.
Computation of broadband, high-power electromagnetic pulse generation from an air gas avalanche switch
[DE91-015793] 21 p3502 N91-29435
Initial testing of a two-dimensional computer code for microwave-induced surface breakdown in air
[DE91-015763] 24 p3989 N91-32286
MAYHALL, DAVID J.
Computational and experimental progress on laser-activated gas avalanche switches for broadband, high-power electromagnetic pulse generation
[DE91-001763] 05 p0652 N91-13623
Computation of two-dimensional microwave-generated electron layer evolution in low pressure air
[DE90-011465] 09 p1321 N91-17254
MAYLE, RONALD W.
The 3 Dimensional radiation transport in dispersive media
[DE91-005239] 10 p1602 N91-18833
MAYNARD, DAVID P.
Decentralized real-time scheduling
[AD-A227856] 08 p1201 N91-16604
MAYNARD, JULIAN D.
Acoustic studies of new materials: Quasicrystals, low-loss glasses, and high Tc superconductors
[AD-A225190] 03 p0415 N91-12320
MAYNARD, SHAWN
Thermal degradation chemistry of poly(diphenoxy phosphazene)
[AD-A235284] 18 p2951 N91-26282
MAYORAL, ANDRE LUIZ ROSA
Combination of Hatley and Ward/Mellor methods for real time systems
[INPE-5078-TDL/412] 02 p0255 N91-11419
MAYR, HANS G.
Energy transport below sunspots and faculae 03 p0441 N91-12464
MAYR, P.
X ray measurements of residual stresses in thin, hard layers 05 p0639 N91-13542
MAYS, M. Z.
Sustaining health and performance in the desert: Environmental medicine guidance for operations in Southwest Asia
[AD-A229643] 12 p1929 N91-20616
MAYS, PETER
The IBM RISC System/6000 and linear algebra operations
[DE91-009221] 13 p2144 N91-21805
MAYTAL, BEN-ZION
ASTROMAG coil cooling study
[NASA-CR-187768] 08 p1236 N91-16813
MAYVILLE, GERRY
Fault-tolerant, flight-critical control systems 04 p0484 N91-12691
MAZA, B. G.
Index of the Nevada applied ecology group and associated publications available in the Coordination and Information center
[DE91-007178] 10 p1614 N91-18906
MAZAL, P.
NAIADE: A prototype application in Ada of the CCSDS recommendations concerning 'SFDU' 14 p2215 N91-22240
MAZANEK, DANIEL D.
Utilization of common pressurized modules on the Space Station Freedom
[NASA-TM-102779] 12 p1854 N91-20189
Restructured Freedom configuration characteristics
[NASA-TM-104057] 23 p3801 N91-31201
MAZARAKIS, M. G.
Pulsed power performance of the new RLA (Recirculating Linear Accelerator)
[DE91-004723] 15 p2506 N91-23885
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333
MAZARIEGOS, R.
Mechanical properties and modeling of seal-forming lithologies
[DE91-010741] 17 p2784 N91-25404
MAZDIYASNI, K. S.
High-temperature ceramic superconductors
[AD-A230074] 12 p1987 N91-20933
High-temperature ceramic superconductors
[AD-A234620] 18 p3068 N91-26953
MAZEPA, N. E.
Searching spectrum points of difference initial-boundary value problems with using CAS
[DE90-634382] 02 p0263 N91-11472
MAZIASZ, P. J.
Comparison of the effects of long-term thermal aging and HFIR irradiation on the microstructural evolution of 9Cr-1MoVNb steel
[DE91-004516] 07 p0980 N91-15379
Alloy development of Fe3Al for improved creep rupture properties
[DE91-014541] 20 p3320 N91-28381
MAZON, ISABELLE
Reasoning of the geometric and uncertainty constraints in planning robot manipulation tasks
[LAAS-90143] 06 p0864 N91-14775
MAZOR, EDI
Investigation of laminar, fully developed flow in annulus by finite difference model
[ITN-91-85116] 18 p2985 N91-26483
MAZUMDAR, MAINAK
On the design of component test plans based on system reliability objectives
[DE90-017034] 05 p0673 N91-13745
MAZUMDAR, PRANAB K.
Fatigue crack tip plastic strain range measurement studies in two titanium alloys
[AD-A234973] 18 p2999 N91-26565
MAZUMDAR, S.
Ionic two photon states and optical nonlinearity in (pi)-conjugated polymers
[DE91-006709] 10 p1505 N91-18284
MAZUNDAR, RAVI
Direct modeling of white noise in stochastic systems
[MEMO-865] 05 p0711 N91-13964

MAZUR, CHRISTOPHER J.
Determination of the short crack effect in 2090-T8E41 aluminum lithium 02 p0222 N91-11242
MAZUR, VLADISLAV
Lightning threat to aircraft: Do we know all we need to know? 24 p4046 N91-32600
Intracloud development of lightning strikes to aircraft 24 p4046 N91-32602
MAZURE, MARIE-LAURENCE
Infimal convolution equations solved using Moreau-Fenchel's conjugation method [RR-829-M] 16 p2678 N91-24820
MAZUREK, M. A.
Methods of analysis for complex organic aerosol mixtures from urban emission sources of particulate carbon [DE91-001722] 05 p0686 N91-13814
MAZURIN, YU. V.
Predicting the effect of linear and angular impact acceleration on humans 22 p3715 N91-30678
Predicting the effect of linear and angular impact acceleration on humans 22 p3717 N91-30688
MAZZA, C. J.
Agility: A rational development of fundamental metrics and their relationship to flying qualities 15 p2373 N91-23129
MAZZALI, PAOLO A.
Improved Monte Carlo models for the early time spectrum of SN 1987A 09 p1443 N91-17954
MAZZARELLA, JOSEPH MICHAEL
Investigation of Markarian galaxies with multiple nuclei 01 p0138 N91-10813
MAZZEI, P.
Extragalactic source counts, confusion limits and contributions to the background radiation in the sub-mm 13 p2173 N91-21995
MAZZEO, A.
A parallel distributed system for SAR image processing 07 p0992 N91-15444
MAZZOCA, N.
A parallel distributed system for SAR image processing 07 p0992 N91-15444
MAZZOCATO, MARIA EUGENIA
Characterization of antropic action in the Mearim (MA) middle-low valley through LANDSAT/TM imagery [INPE-5075-PRE/1594] 13 p2111 N91-21620
MAZZOLDI, P.
Defect diffusion in ion implanted glasses [DE91-016119] 23 p3819 N91-31302
MAZZUCATO, E.
Review of measured density fluctuation properties in tokamaks at PPPL and future plans 10 p1598 N91-18814
MBUTHIA, PETER
Manipulating cyanobacteria: Spirulina for potential CELSS diet 19 p3267 N91-28070
MCADAM, GRANT
High temperature corrosion of alloys in mixed gases 08 p1114 N91-16121
MCADIE, C. J.
Diagnostic report of the National Hurricane Center, June and July 1990, volume 3, number 1 [PB91-173161] 19 p3203 N91-27705
MCADIE, COLIN J.
Diagnostic report of the National Hurricane Center, August and September, 1989, volume 2, number 2 [PB91-113225] 09 p1368 N91-17518
MCADOO, DAVID C.
Report of the panel on earth structure and dynamics, section 6 13 p2106 N91-21595
MCAFEE, J. M.
The deflagration-to-detonation transition in granular HMX [DE91-014591] 20 p3331 N91-28448
MCAFEE, JOHN M.
A graphical user-interface-driven waveform data acquisition and analysis system [DE90-011948] 08 p1197 N91-16578
MCAFFEE, DOUGLAS A.
Diverse applications of advanced man-telerobot interfaces 14 p2361 N91-23065
MCALISTER, KENNETH W.
Apparatus for precision focusing and positioning of a beam waist on a target [NASA-CASE-ARC-11916-1-SB] 05 p0717 N91-14002
MCALLISTER, DAVID F.
Software reliability through fault-avoidance and fault-tolerance [NASA-CR-187646] 05 p0701 N91-13904
Software reliability through fault-avoidance and fault-tolerance [NASA-CR-187998] 11 p1776 N91-19741
MCALLISTER, R. A.
Urban air toxics monitoring program, 1989 [PB91-148262] 17 p2806 N91-25513
Urban air toxic monitoring program Aldehyde results, 1989 [PB91-148288] 17 p2806 N91-25514
MCALLISTER, WILLIAM H.
The supercomputer toolkit and its applications [AD-A225807] 04 p0555 N91-13077
MCALPINE, N. S.
Solvent-dependent redox thermodynamics of metal amine complexes. The delineation of specific solvation effects [AD-A237503] 21 p3475 N91-29272
MCANDREW, MARK P.
Development of an animal model of human non-freezing cold injury: Changes in thermal sensitivity following cold exposure [AD-A227174] 06 p0852 N91-14705
MCANULTY, D. MICHAEL
An experimental evaluation of the cueing procedures used with the pilot's line-of-sight reticle [AD-A224935] 03 p0397 N91-12206
MCARDLE, FRANK J.
Visualisation of fluid shifts within the body during a parabolic flight by measurements of electrical bio-impedance 11 p1761 N91-19688
MCARDLE, JAMES
Application of high-temperature superconductors to high-precision accelerometers 05 p0724 N91-14042
MCARTHUR, R. C.
Development of a variable-speed generator driven by an internal combustion engine [PB91-195875] 22 p3668 N91-30424
MCBRANCH, D.
Subgap absorption in conjugated polymers [DE91-012655] 20 p3324 N91-28402
Measurements of photo-induced changes in conjugated polymers [DE91-013262] 20 p3328 N91-28427
MCBRATNEY, WILLIAM F.
Combustion tests of black-powder substitutes for the hand-held signal flare [AD-A231501] 13 p2058 N91-21330
MCBRAYER, J. D.
Processing experiments for development of high-efficiency silicon solar cells [DE91-002698] 06 p0841 N91-14645
MCBRIDE, DENNIS K.
Framework for an efficient two filter GLOC monitor 08 p1193 N91-16557
MCBRIDE, JOHN G.
Data Management System (DMS) testbed user's manual development, volumes 1 and 2 [NASA-CR-187391] 04 p0558 N91-13093
AdaNET research plan [NASA-CR-187262] 04 p0567 N91-13147
Software reuse issues affecting AdaNET [NASA-CR-188597] 17 p2830 N91-25632
MCBRIDE, KATHLEEN
Martian crater counts on Elysium Mons 14 p2350 N91-22996
MCBRIDE, WALTON E.
Scattering of sound by atmospheric turbulence predictions in a refractive shadow zone 08 p1218 N91-16703
MCBRYAN, OLIVER A.
Normalized convergence rates for the PSMG method [AD-A231311] 13 p2136 N91-21764
MCCABE, D. E.
Application of elastic and elastic-plastic fracture mechanics methods to surface flaws [NASA-TM-104964] 15 p2444 N91-23539
MCCABE, R. KEVIN
FAST: A multi-processed environment for visualization of computational fluid 14 p2355 N91-23024
MCCAIN, P.
Molecular and mass spectroscopic analysis of isotopically labeled organic residues 06 p0898 N91-14961
MCCALL, MARSHALL L.
Ar/S 05 p0745 N91-14153
Polarization in the Lagoon nebula 05 p0753 N91-14193
Small-scale star formation at low metallicity 05 p0757 N91-14214
MCCALL, R. P.
Photoexcitation spectroscopy of pernigraniline [AD-A233841] 18 p2945 N91-26250
Spectroscopy and photoexcitation spectroscopies of polyaniline: A model system for new phenomena [AD-A234215] 18 p2961 N91-26340
Photoinduced absorption and erasable optical information storage in polyanilines [AD-A234108] 18 p3076 N91-27002
MCCALL, RAYMOND
JANUS: Integrating hypertext with a knowledge-based design environment [AD-A231773] 14 p2340 N91-22941
MCCALLUM, DUNCAN C.
Dynamic modelling and analysis of a magnetically suspended flexible rotor 13 p2038 N91-21208
MCCALLUM, J. C.
Formation and annealing behavior of an amorphous layer induced by tin implantation into sapphire [DE91-015929] 24 p4108 N91-32960
MCCAMMOND, D.
Investigation of the fatigue crack growth characteristics of Ti-17 [DREP-89-32] 22 p3651 N91-30316
MCCAMPBELL, C. B.
Semiconductor Bridge (SCB) research and development [DE91-011493] 20 p3309 N91-28319
MCCANDLESS, B. E.
Materials analysis and device optimization of CuInSe2 solar cells [DE90-000365] 01 p0064 N91-10384
MCCANDLESS, BRIAN E.
Fundamentals of polycrystalline thin film materials and devices [DE91-002130] 10 p1608 N91-18874
MCCANDLESS, P. C.
Shock compaction of high-T(sub c) superconductors [DE91-000786] 03 p0424 N91-12373
Properties of planetary fluids at high shock pressures and temperatures [DE91-011195] 17 p2916 N91-26102
MCCANDLESS, W.
Operations management system 09 p1280 N91-17036
MCCANDLESS, WAYNE
Pathfinder autonomous rendezvous and docking project [NASA-TM-102163] 04 p0483 N91-12590
MCCANDLISS, S. R.
Rocket observations of the ultraviolet spectrum of comet Austin (1989c1) 12 p2003 N91-21023
MCCANN, C. A.
An exploratory study of the interpretation of logical operators in database querying [AD-A236478] 19 p3261 N91-28036
Human cognitive processes in command and control planning. 1: Identification of research issues [IZF-1990-B-18] 22 p3719 N91-30699
MCCANN, M. P.
Laser applications for high-T(sub c) superconductors [DE90-017743] 02 p0216 N91-11209
MCCARTHY, J. F.
Biomarker-based biomonitoring for evaluating health and ecological effects on environmental contamination [DE91-013729] 20 p3379 N91-28719
MCCARTHY, JOHN
QLISP for parallel processors [AD-A228843] 09 p1387 N91-17630
Open architecture for formal reasoning [AD-A239395] 23 p3914 N91-31857
Mathematical theory of computation [AD-A239419] 23 p3922 N91-31912
MCCARTHY, JOHN L.
Data interchange standards for biotechnology: Issues and alternatives [DE91-004114] 07 p1034 N91-15671
MCCARTHY, K.
Design of cryogenic tanks for space vehicles shell structures analytical modeling 19 p3131 N91-27296
Further proton damage effects in EEV CCDs 24 p3997 N91-32340
MCCARTY, C. E.
Characterization and development report for the SA2859: A silicon controlled rectifier [DE90-010196] 08 p1130 N91-16217
MCCARTY, K. F.
Characterization of iridium coated rhenium used in high-temperature, radiation-cooled rocket thrusters 16 p2574 N91-24267
MCCATTY, S. A.
Improved anode catalysts for coal gas-fueled phosphoric acid fuel cells [DE90-009683] 08 p1170 N91-16442
Oxygen electrodes for rechargeable alkaline fuel cells, 3 24 p4038 N91-32561
MCCAUL, E. W., JR.
Atmospheric aerosol and Doppler lidar studies 24 p4057 N91-32666
MCCAUL, EDWARD
Measurement and calculation of forces in a magnetic journal bearing actuator 13 p2037 N91-21207
MCCAULEY, STEPHENS F.
Aircrew fatigue countermeasures 10 p1465 N91-18077
MCCEHEE, JOHN R.
F-106B airplane active control landing gear drop test performance 20 p3285 N91-28164

MCCLAIN, CHARLES R.
SEAPAK user's guide, version 2.0. Volume 1: System description
[NASA-TM-100728-VOL-1] 17 p2837 N91-25683
SEAPAK user's guide, version 2.0. Volume 2: Descriptions of programs
[NASA-TM-100728-VOL-2] 17 p2838 N91-25684
MCCLAIN, J. GREER
Landing gear improvements for transport aircraft 20 p3284 N91-28159
MCCLARNON-MINNIX, MARY A.
Near-term satellite-based oceanic air traffic control: Ground system description 24 p3958 N91-32116
MCCLELLAN, K. J.
ZrO2 reinforced-MoSi2 matrix composites
[DE91-013074] 20 p3304 N91-28288
MCCLELLAND, JAMES L.
Learning the structure of event sequences
[AD-A225722] 04 p0570 N91-13163
On the control of automatic processes: A parallel distributed processing account of the Stroop effect
[AD-A225617] 07 p1054 N91-15790
MCCLELLAND, JOHN F.
Transient infrared emission spectroscopy
[DE90-017253] 02 p0194 N91-11083
MCCLELLAND, M.
Novel methods for physical mapping of the human genome applied to the long arm of chromosome 5
[DE91-012894] 20 p3378 N91-28717
MCCLELLAND, MATTHEW A.
Time-dependent liquid metal flows with free convection and free surfaces
[DE91-004682] 10 p1605 N91-18855
MCCLELLAND, R. W.
Progress in GaAs/CuInSe2 tandem junction solar cells 11 p1667 N91-19190
GaAs (AlGaAs)/CuInSe2 tandem solar cells. Technology status and future directions 22 p3633 N91-30217
MCCLINTON, CHARLES R.
Numerical simulation of transverse fuel injection 13 p2017 N91-21097
A highly efficient engineering tool for three-dimensional scramjet flowfield and heat transfer computations 13 p2017 N91-21098
MCCLOSKEY, KATHY
Subjective responses to positive pressure breathing under sustained high-G using the combat edge system
[AD-A230019] 12 p1928 N91-20610
MCCLUNEY, DONALD SCOTT
O-ring gasket test fixture
[NASA-CASE-MFS-28376-1] 13 p2032 N91-21175
MCCLUNG, R. C.
An approximate methods approach to probabilistic structural analysis 16 p2585 N91-24328
MCCLUNG, R. W.
Ultrasonic detection of fatigue damage in glass-epoxy composites
[DE91-002652] 06 p0836 N91-14619
The challenge of standards for emerging NDT methods
[DE91-007834] 11 p1719 N91-19465
NDE (Nondestructive Examination) development for ceramics for advanced heat engines
[DE91-005516] 15 p2405 N91-23316
MCCLURE, CHARLES R.
Federal information inventory/locator systems: From burden to benefit 05 p0729 N91-14074
MCCLURE, J. P.
Ground Communication Facility (GCF) upgrade task for the NASA deep space network 14 p2212 N91-22217
MCCLURE, M. D.
Computation of inlet reference plane flow-field for a subscale free-jet forebody/inlet model and comparison to experimental data
[AD-A232101] 15 p2427 N91-23445
MCCLUSKEY, CAROLINA P. S.
Abundance anomalies of carbon and nitrogen in the IUE spectra of Algol-type interacting binaries
[NASA-CR-187909] 17 p2889 N91-25972
MCCLUSKEY, G.
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
MCCLYMONDS, J.
The 60 GHz solid state power amplifier
[NASA-CR-188669] 19 p3161 N91-27476
MCCOLGAN, C. J.
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 3: Application of theory for blade loading, wakes, noise, and wing shielding
[NASA-CR-185193] 15 p2500 N91-23850
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 4: Computer user's manual for UAAP turboprop aeroacoustic code
[NASA-CR-185194] 15 p2501 N91-23851
MCCOLLIGAN, ELIZABETH
Cognitive consequences of clumsy automation on high workload, high consequence human performance 12 p1947 N91-20711
MCCOLLISTER, H. L.
Development of hermetic microminiature connectors
[DE90-015562] 02 p0206 N91-11153
MCCOLSKEY, JOSEPH D.
Aluminum alloys for ALS cryogenic tanks: Oxygen compatibility, volume 2
[AD-A231830] 14 p2245 N91-22422
MCCOLSKEY, JOSEPH DAVID
Aluminum alloys for cryogenic tanks: Oxygen compatibility, volume 1
[AD-A229229] 09 p1314 N91-17211
MCCOMAS, THOMAS J.
Design of multihundredwatt DIPS for robotic space missions
[NASA-TM-104401] 16 p2568 N91-24232
Thermal analysis of conceptual designs for GPHS/FPSE power systems of 250 We and 500 We
[NASA-CR-187145] 16 p2651 N91-24673
MCCONICA, CAROL
Preparation and characterization of carbon filaments
[AD-A235633] 19 p3118 N91-27228
MCCONNAUGHEY, H. V.
Turbine stage aerodynamics and heat transfer prediction 02 p0152 N91-10882
MCCONNAUGHEY, P. K.
Analysis of the SSME HPOTP bearing inlet cavity 02 p0150 N91-10877
A combined Eulerian-Lagrangian two-phase analysis of the SSME HPOTP nozzle plug trajectories 02 p0151 N91-10878
MCCONNELL, J. W.
Study of spin-temperature effects using energy-ordered continuum gamma ray spectroscopy technique
[DE91-002854] 06 p0872 N91-14818
MCCONNELL, PATRICK
The role of analysis in the design and qualification of composite aircraft structures 16 p2646 N91-24648
MCCONNELL, ROBERT L.
Driven shielding capacitive proximity sensor
[NASA-CASE-GSC-13377-1] 20 p3390 N91-28785
MCCONNELL, S. O.
Vertical incidence backscatter and surface forward scattering from near-surface bubbles
[AD-A234432] 18 p3056 N91-26880
MCCONVILLE, JOHN T.
The 1988 anthropometric survey of US Army personnel: Methods and summary statistics
[AD-A225094] 03 p0395 N91-12196
MCCOOK, G. P.
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
MCCOOK, MORGAN W.
The Combined Release and Radiation Effects Satellite (CRRES) program: A unique series of scientific experiments
[NASA-TM-103380] 14 p2284 N91-22629
MCCOOL, TIMOTHY D.
Analysis and testing of a bistatic radar cross section measurement capability for the AFIT anechoic chamber
[AD-A230609] 13 p2070 N91-21401
MCCORD, R. A.
Environmental Sciences Division computing and geographic information system facility user handbook
[DE91-007820] 11 p1814 N91-19961
MCCORKLE, J.
Space station common module network topology and hardware development
[NASA-CR-184034] 06 p0791 N91-14373
MCCORKLE, R.
Imaging performance and tests of soft x ray telescopes
[DE91-007557] 12 p2000 N91-21010
MCCORMACK, RUSSELL S.
Explosive cyclogenesis: A case study of the Veterans' Day storm of 11-12 November 1987
[AD-A227077] 06 p0850 N91-14691
MCCORMICK, F. B.
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407
MCCORMICK, M. P.
A synopsis of Langley Research Center's lidar effort for the 1986 FIRE IFO 01 p0076 N91-10457
The new FIRE cloud lidar at Langley Research Center 01 p0081 N91-10482
Background stratospheric aerosol reference model 19 p3190 N91-27640
Validation of lidar and satellite remote sensing 24 p4033 N91-32535
MCCORMICK, RODNEY I.
Research on advanced sources and applications
[AD-A225997] 04 p0529 N91-12931
MCCOWAN, CHRISTOPHER N.
Aluminum alloys for ALS cryogenic tanks: Oxygen compatibility, volume 2
[AD-A231830] 14 p2245 N91-22422
MCCOWAN, CHRISTOPHER NELSON
Aluminum alloys for cryogenic tanks: Oxygen compatibility, volume 1
[AD-A229229] 09 p1314 N91-17211
MCCOWAN, R. B.
Ohmic effects in quasioptical resonators
[AD-A227547] 07 p0998 N91-15478
MCCOWAN, ROBERT B.
Observation of harmonic gyro-backward-wave oscillation in a 100 GHz CARM oscillator experiment
[AD-A232063] 15 p2419 N91-23398
MCCOWEN, D.
Epipolar geometry for trinocular active range-sensors
[OUEL-1850/90] 04 p0527 N91-12923
MCCOWN, ANDREW W.
Recent advances in excimer laser technology at Los Alamos
[DE90-016441] 01 p0046 N91-10276
MCCOY, C. ELAINE
Graphical interfaces for cooperative planning systems 02 p0165 N91-10956
MCCOY, GILBERT A.
High efficiency motor selection handbook
[DE91-006231] 10 p1519 N91-18363
MCCOY, H. E., JR.
Updated evaluation of polymer films for electrical insulation
[DE91-000544] 08 p1119 N91-16148
MCCRACKEN, JAMES RICHARD
Questions: Assessing the structure of knowledge and the use of information in design problem-solving 20 p3286 N91-28169
MCCRAY, RICHARD
Policy opportunities 24 p4120 N91-33029
MCCREADY, M. J.
Study of interfacial behavior in cocurrent gas-liquid flows
[DE91-013008] 20 p3343 N91-28511
MCCREIGHT, CRAIG
Performance of multiplexed Ge:Ga detector arrays in the far infrared
[NASA-TM-102275] 05 p0732 N91-14087
MCCROSKEY, W. J.
Flowfield of a lifting hovering rotor: A Navier-Stokes simulation
[NASA-TM-102862] 07 p0936 N91-15128
MCCROSKEY, WILLIAM J.
Numerical simulation of rotorcraft 02 p0148 N91-10863
MCCUE, JANICE HELEN
Online searching in public libraries: A comparative study of performance 02 p0284 N91-11598
MCCUE, JOHN
The rotation of Venus and its atmosphere 06 p0929 N91-15112
MCCUE, L. F.
Testing of a composite thermal structure to insulate the drivers of a large scale blast/thermal simulator
[AD-A234014] 18 p2939 N91-26213
MCCULLOUGH, CLAIRE L.
Neural networks as a control methodology 10 p1631 N91-18997
MCCULLOUGH, DARYL
Romulus: A computer security properties modeling environment overview, volume 1
[AD-A236128] 22 p3723 N91-30717
Romulus: A computer security properties modeling environment. Volume 2A: The theory of security
[AD-A236129] 22 p3723 N91-30718
Romulus: A computer security properties modeling environment. Volume 2B: MATHESIS
[AD-A236130] 22 p3723 N91-30719
MCCULLOUGH, JAMES D.
Trends in a sample of defense aircraft contractors' costs
[AD-A225663] 04 p0463 N91-12587
MCCULLUM, D. E.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
MCCUNE, J. E.
Calculated aerodynamics of wings in severe maneuver
[AD-A235241] 18 p2922 N91-26120

MCCUNE, W.
Automated reasoning contributes to mathematics and logic
[DE91-014005] 20 p3387 N91-28765
MCCUNE, WILLIAM
Skolem functions and equality in automated deduction
[DE90-009703] 08 p1208 N91-16641
MCCUNE, WILLIAM W.
FormEd: An X Window System application for managing first-order formulas
[DE91-005214] 09 p1383 N91-17608
MCCURDY, THOMAS R.
Ozone dosimetry predictions for humans and rats
[PB91-113852] 09 p1361 N91-17479
MCDADE, I. C.
Proposed reference models for atomic oxygen in the terrestrial atmosphere 19 p3190 N91-27643
MCDADE, IAN C.
The analysis of a rocket tomography measurement of the N2+3914A emission and N2 ionization rates in an auroral arc
[NASA-CR-188622] 18 p3005 N91-26596
MCDANIEL, A. H.
Temperature dependent infrared cross sections for CFC-11, CFC-12, CFC-13, CFC-14, CFC-22, CFC-113, CFC-114 and CFC-115
[PB91-164780] 19 p3201 N91-27693
MCDANIEL, B.
Concentrator flight test experiment
[AD-A237390] 21 p3536 N91-29647
MCDANIEL, D. D.
Sampling and analysis for polychlorinated dibenzo-p-dioxins and dibenzofurans in ambient air
[PB91-131698] 12 p1920 N91-20565
MCDANIEL, G. L.
Personal papers in the United States Air Force Historical Research Center, 5th edition
[PB91-156380] 18 p3076 N91-26999
MCDANIEL, S. T.
Fourth moments of acoustic waves forward scattered by a rough ocean surface
[AD-A227469] 08 p1188 N91-16529
Expansion of integral equations arising in scattering theory
[AD-A229830] 12 p1970 N91-20836
Backscattering from rough interfaces and the parabolic approximation
[AD-A235184] 18 p3057 N91-26886
MCDANIELS, D.
Airflow model testing to determine the distribution of hot gas flow and O/F ratio across the space shuttle main engine main injector assembly 16 p2570 N91-24244
MCDARMAID, D. S.
Mechanical properties and fracture toughness of 8090-T651 plate and 2091 and 8090 sheet
[NRL-MP-88049-4] 01 p0025 N91-10151
MCDAVID, D.
Short-term FUV flux variability and phase-dependent winds in Be stars 09 p1434 N91-17898
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep 09 p1439 N91-17934
MCDERMOTT, D.
Simulation of a standing-wave free-electron laser
[DE91-007330] 11 p1710 N91-19418
MCDERMOTT, GENE
Tutorial guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228402] 10 p1568 N91-18624
User's guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228456] 10 p1569 N91-18625
MCDONALD, BRIAN M.
Space Station Freedom altitude strategy 09 p1289 N91-17085
MCDONALD, CATHERINE W.
Ada software portability and level 2 system simulator integration issues
[AD-A233757] 18 p3039 N91-26773
MCDONALD, D. B.
Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801
Dissipation in high-temperature superconductors in a magnetic field
[DE91-006596] 09 p1418 N91-17808
MCDONALD, DANN C.
Do civil flying qualities requirements address military missions for off-the-shelf procurement 15 p2370 N91-23115
MCDONALD, GARY H.
Thermal analysis simulation for a spin-motor used in the advanced main combustion chamber vacuum plasma spray project using the SINDA computer program 10 p1632 N91-18998
MCDONALD, J. M.
Ion beam testing of the Aerolor X-point dump plate for the Joint European Torus
[DE91-010719] 15 p2393 N91-23245
MCDONALD, M.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
MCDONALD, M. M.
Superplastic deformation properties of Ti-6Al-4V
[DE91-000503] 05 p0676 N91-13757
MCDONALD, STEVEN W.
The effect of a Bump in the turbulence spectrum on laser propagation
[AD-A228723] 09 p1341 N91-17364
MCDONALD, T. E.
Pulsed power considerations for electron beam pumped krypton fluoride lasers for inertial confinement fusion applications
[DE91-007471] 10 p1530 N91-18430
MCDONALD, THOMAS E.
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282
MCDONALD, THOMAS G.
Ground-based testing of space nuclear power plants
[DE91-006179] 10 p1595 N91-18798
MCDONNELL, J. A. M.
Foil perforation particulate impact records on LDEF MAP AO023: Incident mass distributions 16 p2711 N91-25002
Particulate impacts on the UHCRE cosmic ray experiment teflon covers: The ESA programme 16 p2711 N91-25004
Dynamic (computer) modelling of the particulate environment: Transformations from the LDEF reference frame to decode geocentric and interplanetary populations 16 p2712 N91-25010
MCDONNELL, JOHN R.
A head coupled sensor platform for teleoperated ground vehicles
[AD-A230649] 12 p1907 N91-20496
MCDONNELL, MICHAEL
Scan-line methods in spatial data systems
[AD-A231165] 13 p2169 N91-21973
MCDONNELL, ROBERT J.
Investigation of the high angle of attack dynamics of the F-15B using bifurcation analysis
[AD-A230462] 12 p1829 N91-20053
MCDONNELL, TONY
Space debris: Orbital microparticulates impacting LDEF experiments favour a natural extraterrestrial origin 11 p1821 N91-20008
MCDONOUGH, PAUL T.
Lightweight, fire-retardant, crashworthy aircraft seat cushioning 14 p2359 N91-23052
MCDOUGAL, DAVID B., JR.
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702
MCDOUGAL, DAVID S.
FIRE Science Results 1988
[NASA-CP-3083] 01 p0074 N91-10448
MCDOUGALL, S.
NUFA: A semi-empirical method for the prediction of isolated weapon aerodynamics 06 p0773 N91-14287
MCDOWALL, R. L.
Implementation of the FAA research and development electromagnetic database
[DE91-010063] 15 p2468 N91-23674
Implementation of the FAA research and development electromagnetic database 24 p4066 N91-32715
MCDOWELL, H. K.
Molecular crystals and localized vibrational states
[DE90-010602] 08 p1231 N91-16786
MCDOWELL, RAY
Software Technology for Adaptable, Reliable Systems (STARS). Reusability library (RLF) AdaTAU software user's manual
[AD-A229221] 10 p1569 N91-18628
Reusability Library Framework (RLF)
[AD-A229308] 22 p3724 N91-30725
MCEACHEN, ANGUS D., III
The FAA/ARINC initial implementation of AMSS 24 p3957 N91-32112
MCELFRESH, M. W.
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
MCELIECE, R. J.
Recent advances in coding theory for near error-free communications 15 p2540 N91-24068
MCELIECE, ROBERT J.
Coding for spread-spectrum channels in the presence of jamming
[AD-A238233] 21 p3500 N91-29425
MCELIGOT, DONALD M.
Effects of streamwise pressure gradients on turbulence structure in the viscous layer
[AD-A225048] 03 p0365 N91-12041
Transient natural convection in heated inclined tubes
[DE90-008217] 08 p1136 N91-16255
MCELROY, D. L.
Thermal properties of polyisocyanurate foam board insulation blown with CFC-11 substitutes
[DE90-016047] 11 p1676 N91-19240
Models for heat transport through assemblies of uniform-diameter hollow spheres
[DE91-012998] 20 p3343 N91-28512
MCELROY, J. F.
SPE (tm) water electrolyzers in support of mission from planet Earth 24 p4036 N91-32552
MCELROY, PAUL M.
A phenomenological model of coating/substrate adhesion and interfacial bimetallic peeling stress in composite mirrors 03 p0327 N91-11816
MCELVANY, M. C.
Reliability modeling of dependable distributed systems
[AD-A239734] 23 p3882 N91-31663
The potential impact of VHDL on dependable distributed system design
[AD-A239769] 23 p3882 N91-31664
MCENTIRE, R. W.
The magnetospheric response to 8-minute period strong-amplitude upstream pressure variations
[AD-A228038] 08 p1179 N91-16489
MCEWAN, K. J.
Liquid-crystal characterization using the Z-scan technique
[RSRE-MEMO-4451] 15 p2517 N91-23949
MCEWAN, T.
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385
MCFADDEN, G. B.
Effect of gravity modulation on solutal convection during directional solidification
[PB90-265281] 09 p1312 N91-17202
Laplace's equation and the Dirichlet-Neumann map in multiply connected domains
[DE91-011069] 17 p2846 N91-25733
MCFADDEN, JOHN J.
Rotary engine technology 12 p1840 N91-20114
MCFADDEN, LUCY A.
Near-infrared reflectance spectra-applications to problems in asteroid-meteorite relationships 17 p2895 N91-26002
MCFADDEN, LUCY-ANN
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182
MCFADDEN, P. D.
The detection of seeded faults in an epicyclic gearbox by signal averaging of the vibration
[ARL-PROP-R-183] 07 p1013 N91-15560
The selection of window functions for the calculation of time domain averages on the vibration of the individual gears in an epicyclic gearbox
[OUEL-1818/90] 11 p1717 N91-19457
Time-frequency domain analysis of vibration signals for machinery diagnostics. 1: Introduction to the Wigner-Ville distribution
[OUEL-1859/90] 11 p1724 N91-19495
MCFARLAND, DONALD MICHAEL
Analysis of passive and active discrete-distributed linear dynamical systems using Green's function methods 20 p3281 N91-28141
MCFARLAND, ERIC
Aerodynamics and heat transfer investigations on a high Reynolds number turbine cascade
[NASA-TM-103260] 07 p0937 N91-15134
MCFARLAND, R. D.
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
MCFARLAND, ROBERT D.
Advanced system analysis for indirect methanol fuel cell power plants for transportation applications
[DE91-000171] 03 p0386 N91-12154
Thermal analysis of multifacet-mirror ring resonator for XUV free-electron lasers
[DE91-005855] 09 p1343 N91-17379
MCFARLAND, ROBERT Z.
Advanced automation in space shuttle mission control 12 p1940 N91-20670
MCFARLANE, J. S.
A system for the testing of hybrid rocket motors 16 p2572 N91-24253
MCFARLANE, R.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614

MCGARITY, JOHN O.
Prototype instrumentation and design studies
[AD-A211566] 01 p0044 N91-10264
Prototype instrumentation and design studies
[AD-A230707] 12 p1835 N91-20083
MCGARRITY, JOHN P.
A conceptual model of the performance of the United States Air Force flight training program
[AD-A230881] 13 p2128 N91-21711
MCGARRY, F.
Evolving impact of Ada on a production software environment 01 p0105 N91-10607
MCGARY, J.
Aerodynamic stability and heating analyses for the aeroassist flight experiment vehicle
02 p0155 N91-10899
MCGAUGHEY, P. L.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
MCGAW, MICHAEL A.
Effect of tensile mean stress on fatigue behavior of single-crystal and directionally solidified superalloys
[NASA-TM-103644] 10 p1535 N91-18452
Elastic response of zone axis (001)-oriented PWA 1480 single crystal: The influence of secondary orientation
[NASA-TM-103782] 13 p2100 N91-21558
Overview of the fatigue/fracture/life working group program at the Lewis Research Center
16 p2581 N91-24308
Cumulative creep fatigue damage in 316 stainless steel 16 p2582 N91-24312
Fatigue behavior of a single-crystal superalloy
16 p2582 N91-24313
MCGAW, MICHAEL AARON
Modeling and identification of cumulative creep fatigue damage in an austenitic stainless steel
08 p1116 N91-16131
MCGEHEE, DAVID D.
Alaska wave data index
[AD-A236635] 20 p3377 N91-28707
MCGEHEE, JOHN R.
F-106B airplane active control landing gear drop test performance
[NASA-TM-102741] 05 p0621 N91-13445
MCGHEE, R. B.
Rule-based motion coordination for the adaptive suspension vehicle on ternary-type terrain
[AD-A232224] 15 p2440 N91-23517
MCGHEE, RICHARD T.
Air Force Information Management (IM): A 1990 snapshot and 1995 future look at Air Force IM needs and preferred education/training approaches
[AD-A229695] 12 p1998 N91-20997
MCGILL, G. E.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
MCGILL, J. W.
Continuous monitoring of the lunar or Martian subsurface using on-board pattern recognition and neural processing of Rover geophysical data 17 p2754 N91-25243
MCGILL, R. N.
Results from the second year of operation of the Federal Methanol Fleet at Oak Ridge National Laboratory
[DE91-000543] 05 p0669 N91-13718
The Federal methanol fleet: Summary of technical data
[DE91-006608] 10 p1507 N91-18292
Results from the third year of operation of the Federal methanol fleet at Argonne National Laboratory
[DE91-007822] 11 p1716 N91-19451
The Federal Methanol Fleet: A demonstration of methanol vehicle technology
[DE91-010395] 16 p2611 N91-24459
MCGILL, T. C.
Physics and chemistry of small scale structures for modern devices
[AD-A236680] 19 p3255 N91-28009
MCGILL, T. C., JR.
In based III-V microstructures with novel electronic properties
[AD-A232695] 15 p2518 N91-23960
MCGILL, TOM C.
Intersubband absorption in Si(1-x)Ge(x/Si superlattices for long wavelength infrared detectors
06 p0796 N91-14399
InAs/Ga(1-x)In(x)Sb superlattices for infrared detector applications 06 p0798 N91-14407
MCGILLIVRAY, H. J.
Neutron diffraction determination of the residual stress redistribution in cracked autofrettaged tubing
[DE91-013688] 20 p3363 N91-28632
MCGINN, P. J.
Critical currents, magnetic relaxation, and microstructure in zone-melted YBa2Cu3O(x)
[DE91-006594] 09 p1418 N91-17807
MCGINNIS, L. D.
Work plan for the preliminary site investigation for McMurdo Station, Ross Island, Antarctica
[DE91-015100] 20 p3371 N91-28675
MCGINNIS, MICHAEL R.
Microbiology on Space Station Freedom
[NASA-CP-3108] 10 p1559 N91-18573
MCGLEW, DAVID E.
Two Axis Pointing System (TAPS) attitude acquisition, determination, and control 09 p1291 N91-17093
MCGLINCHEY, MARK M.
Interface standards for integrated forward-looking/predictive/reactive windshear systems
03 p0302 N91-11685
MCGONIGAL, LES
Space station pressurized laboratory safety guidelines
07 p1079 N91-15937
MCGOWAN, F. K.
Study of spin-temperature effects using energy-ordered continuum gamma ray spectroscopy technique
[DE91-002854] 06 p0872 N91-14818
MCGOWAN, PAUL E.
Status of DSMT research program
[NASA-TM-102764] 12 p1911 N91-20505
Experiments for locating damaged truss members in a truss structure
[NASA-TM-104093] 19 p3179 N91-27578
MCGRATH, W. R.
Development of components for submillimeter wave heterodyne radiometers at JPL
13 p2176 N91-22017
MCGRATTAN, K.
A comparison of the potential and the Euler formulations of the equations of motion for transonic flow
[DE91-014731] 20 p3281 N91-28142
MCGRAW, MARVIN E., JR.
Concept development of a Mach 4 high-speed civil transport
[NASA-TM-4223] 05 p0619 N91-13432
MCGRAW, SANDRA M.
Development, simulation validation, and wind tunnel testing of a digital controller system for flutter suppression 14 p2230 N91-22336
MCGREEVY, MICHAEL W.
The virtual environment display system
14 p2354 N91-23022
MCGREEVY, MICHAEL WALLACE
Format and basic geometry of a perspective display of air traffic for the cockpit
[NASA-TM-86680] 18 p2926 N91-26142
MCGREGOR, P. J.
An infrared jet in Centaurus A (NGC 5128): Evidence for interaction between the active nucleus and the interstellar medium 05 p0749 N91-14175
PAH emission from Nova Cen 1986
06 p0890 N91-14921
MCGREGOR, W. K.
Nonintrusive nitric oxide density measurements in the NASA Langley arc-heated scramjet engine test facility
[AD-A231260] 13 p2026 N91-21142
Diagnostic measurements on an aluminized propellant plume during spin and nonspin testing
[AD-A232031] 15 p2391 N91-23235
Ultraviolet/visible spectral radiance for the bow shock of a projectile launched at high velocities in the AEDC track G facility
[AD-A236503] 19 p3102 N91-27137
MCGRORY, WILLIAM DANDRIDGE
Generalized spatial discretization techniques for space-marching algorithms 23 p3864 N91-31546
MCGUFFIN, BRUCE F.
Loading the LES-9 wideband UHF transponder
[AD-A226179] 05 p0627 N91-13475
MCGUFFIN, D. T.
A comparison of techniques for the metallographic preparation of thermal sprayed samples
[DE91-014704] 23 p3813 N91-31272
MCGUIRE, GENE
Sodium-neon resonant photoexcitation soft x ray laser experiments on Saturn
[DE90-014946] 01 p0046 N91-10275
MCGUIRE, J. A.
Quantitative infrared determination of composition and properties of Borophosphosilicate Glass (BPSG) thin films using multivariate calibration
[DE90-017030] 09 p1319 N91-17243
MCGUIRE, J. M.
Multispectral identification of potentially hazardous byproducts of ozonation and chlorination. Part 1: Studies of chromatographic and spectroscopic properties of MX
[PB91-161703] 18 p3006 N91-26601
MCGUIRE, M. J.
Thermomechanical processing of YBa2Cu3O(x)/Ag sheathed wires
[DE91-006548] 09 p1417 N91-17799
MCGUIRE, RAY
The search for high energy low vulnerability explosives
[DE90-009436] 08 p1121 N91-16158
MCGUIRE, RAYMOND R.
Development of a high-tensile-strain plastic-bonded TATB explosive
[DE90-011463] 08 p1121 N91-16162
Understanding composite explosive energetics. Part 1: The role of metallic additives
[DE90-010692] 10 p1505 N91-18286
MCGUIRK, JAMES P.
Tropical Pacific moisture variability: Its detection, synoptic structure and consequences in the general circulation
[NASA-CR-184045] 05 p0689 N91-13832
Tropical Pacific moisture variability
08 p1183 N91-16509
WetNet: Using SSM/I data interactively for global distribution of rainfall and precipitable water
24 p4061 N91-32685
Tropical Pacific moisture variability
24 p4062 N91-32690
MCHALE, J.
The impact of the new management strategy on senior operational commanders at group level within Royal Air Force Strike Command
[REPT-89SDM/MCHALE/03-MDA]
11 p1812 N91-19954
MCHARGUE, C. J.
The hardness and elastic modulus of TiN films as determined by ultra-low load indentation
[DE91-006336] 09 p1315 N91-17219
Mechanical properties of diamond and diamond-like films
[DE91-011373] 20 p3324 N91-28406
Ion beam enhanced adhesion of iron films to sapphire substrates
[DE91-015931] 23 p3820 N91-31308
MCHARGUE, CARL J.
Meetings on the structure and properties of implanted ceramics
[DE90-017313] 01 p0030 N91-10181
Indentation testing of thin films and hard materials
[DE90-017758] 02 p0219 N91-11224
MCHENRY, STEVEN T.
COLD-SAT feasibility study safety analysis
[NASA-CR-187042] 11 p1663 N91-19167
MCHUGH, JOHN
Infrared thermal imaging of atmospheric turbulence
03 p0304 N91-11693
MCHUGH, M.
Analytic methods of image registration: Displacement estimation and resampling
[AD-A233385] 16 p2670 N91-24776
MCILFATRICK, G. R.
Military air crew helmet design study
[BU-502] 14 p2300 N91-22713
MCILRATH, T. J.
Laser-atom interaction at high intensities
[AD-A238231] 21 p3576 N91-29867
MCILROY, JIM J.
The BBC network radio time and frequency standard and its role in the provision of the Greenwich time signal
17 p2856 N91-25792
MCILWAIN, MELVIN
National test bed concept 20 p3298 N91-28241
MCINTOSH, G. E.
Magnetic suspension and balance system advanced study, phase 2
[NASA-CR-4327] 05 p0625 N91-13463
MCINTOSH, GLEN E.
Cost-effective use of liquid nitrogen in cryogenic wind tunnels, phase 2
[NASA-CR-182088] 07 p0946 N91-15188
Magnetic suspension and balance system advanced study, 1989 design 13 p2036 N91-21197
MCINTOSH, GREG
Design and evaluation of thrust vectored nozzles using a multicomponent thrust stand
[NASA-CR-180474] 02 p0187 N91-11050
MCINTOSH, ROY
Long Duration Exposure Facility (LDEF) low-temperature Heat Pipe Experiment Package (HEPP)
16 p2720 N91-25065
MCINTYRE, ANDREW
Sensitivity of the oceanic turbulent boundary layer to cyclic insolation change with response periods of 23 to 2.5 Ky: An equatorial Atlantic record for the last 200 Ka
03 p0442 N91-12469
MCINTYRE, D. C.
Considerations relating to pulsed-beam modification of materials
[DE91-006771] 11 p1807 N91-19922
MCINTYRE, ROBERT G.
Knowledge extraction methods for the development of expert systems 17 p2732 N91-25130

MCINTYRE, ROBERT M.
A future perspective on technological obsolescenceat NASA, Langley Research Center
04 p0597 N91-13329
MCINTYRE, STANLEY D.
The NASA cryogenic fluid management technology program plan
[NASA-TM-105256] 24 p3967 N91-32161
MCIVOR, J. D. C.
Finite element analysis of geometrically non-linear problems using a corotational large rotation formulation
[SU-ATN-9001] 11 p1720 N91-19470
MCKAMEY, C. G.
Fabrication and mechanical properties of Fe3Al-based iron aluminides
[DE91-001001] 04 p0505 N91-12802
Influence of oxide reinforcement materials on high-temperatue oxidation resistance of Ni3Al matrix composites
[DE91-001625] 05 p0632 N91-13498
Microstructure and mechanical properties of Ni3Al-based alloys reinforced with particulates
[DE91-005515] 09 p1316 N91-17222
Environmental embrittlement of iron aluminides in moisture-containing atmospheres
[DE91-010149] 16 p2601 N91-24416
Properties of large heats of Fe3Al-based alloys
[DE91-013268] 20 p3317 N91-28359
Alloy development of Fe3Al for improved creep rupture properties
[DE91-014541] 20 p3320 N91-28381
MCKAY, C. P.
Getting water from the water of hydration on Mars
17 p2911 N91-26072
MCKAY, CHARLES
A study of System Interface Sets (SIS) for the host, target and integration environments of the Space Station Program (SSP)
[NASA-CR-187399] 04 p0558 N91-13096
MCKAY, CHARLES W.
RICIS research 10 p1567 N91-18618
MCKAY, CHRISTOPHER P.
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182
MCKAY, D. M.
Dissipation in high-temperature superconductors in a magnetic field
[DE91-006596] 09 p1418 N91-17808
MCKAY, DAVID S.
Experimental reduction of simulated lunar glass by carbon and hydrogen and implications for lunar base oxygen production 11 p1822 N91-20009
MCKAY, G. A.
Information of meteorological extremes for the design and operation of energy systems
[WCAP-13] 24 p4056 N91-32659
MCKAY, K.
A review of high angle of attack requirements for combat aircraft 15 p2373 N91-23130
MCKEAGUE, IAN W.
Weighted least squares estimation for Aalen's additive risk model
[AD-A235250] 18 p3052 N91-26852
On the analysis of grouped survival data using cumulative occurrence/exposure rates
[AD-A238219] 21 p3568 N91-29838
MCKEAN, M. E.
Electromagnetic ion/ion cyclotron instability
[DE91-004841] 11 p1797 N91-19860
MCKECHNIE, T. S.
Focusing infrared laser beams on targets in space without using adaptive optics
[DE91-007518] 11 p1710 N91-19421
MCKEE, CHRISTOPHER F.
MHD shocks in the ISM 05 p0751 N91-14183
Lyman alpha radiation in external galaxies
05 p0752 N91-14186
Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017
Theory and laboratory astrophysics
24 p4120 N91-33025
MCKEE, J.
Integrated Numerical Experiments (INEX) and the Free-Electron Laser Physical Process Code (FELPPC)
[DE90-011957] 08 p1152 N91-16348
MCKEE, JAMES W.
Network, system, and status software enhancements for the autonomously managed electrical power system breadboard. Volume 1: Project summary
[NASA-CR-185880] 01 p0107 N91-10618
Network, system, and status software enhancements for the autonomously managed electrical power system breadboard. Volume 2: Protocol specification
[NASA-CR-185881] 01 p0107 N91-10619
Network, system, and status software enhancements for the autonomously managed electrical power system breadboard. Volume 3: Commands specification
[NASA-CR-185882] 01 p0107 N91-10620
Network, system, and status software enhancements for the autonomously managed electrical power system breadboard. Volume 4: Graphical status display
[NASA-CR-185879] 01 p0107 N91-10621
ECLSS advanced automation preliminary requirements
[NASA-CR-186115] 19 p3214 N91-27765
A diagnostic prototype of the potable water subsystem of the Space Station Freedom ECLSS
[NASA-CR-186111] 19 p3214 N91-27766
MCKEE, R. A.
Surface structures and the orthorhombic transformation of thin film BaSi2 on silicon
[DE91-011372] 17 p2871 N91-25883
MCKEE, THOMAS B.
Analysis of tethered balloon, ceilometer and class sounding data taken on San Nicolas Island during the FIRE project 01 p0083 N91-10492
MCKEEMAN, JOHN C.
Olympus propagation studies in the US: Receiver development and the data acquisition system
03 p0351 N91-11959
MCKENNA, EDWARD
Sounding rocket flight data summary
[AD-A233656] 18 p3011 N91-26626
MCKENNA, FRANK P.
Predicting performance breakdown in pilots through objective measures of stress sensitivity
[AD-A237540] 21 p3550 N91-29725
MCKENNA, KENNETH F.
A linear accelerator in the space: The beam experiment aboard rocket
[DE91-002347] 05 p0715 N91-13988
MCKENNA, PAUL M.
Evaluating lightning hazards to building environments using explicit numerical solutions of Maxwell's equations
24 p4069 N91-32733
MCKENZIE, I. R. I.
Design of advanced blading for a high-speed HP compressor using an S1-S2 flow calculation system
[RAE-TM-P-1196] 22 p3621 N91-30144
MCKENZIE, R. L.
NIST (National Institute of Standards and Technology) standard reference materials catalog, 1990-1991
[PB90-183310] 01 p0020 N91-10120
MCKEOWN, DAVID M.
Improved disparity map analysis through the fusion of monocular image segmentations
07 p1024 N91-15623
Fusion of monocular cues to detect man-made structures in aerial imagery 07 p1025 N91-15624
MCKEOWN, M. H.
Digital roughness gauge
[PB91-119750] 12 p1900 N91-20448
Geological Gyrocompass
[PB91-119743] 12 p1900 N91-20449
MCKERNAN, M. A.
Deposition controlled uniformity of multilayer mirrors
[DE90-015906] 01 p0121 N91-10718
Magnetron sputter deposition of boron and boron carbide
[DE91-011194] 18 p2944 N91-26241
MCKERNAN, SCOTT J.
Anisotropic tensile probabilistic failure criterion for composites
[AD-A237601] 21 p3470 N91-29244
MCKIERNAN, JOHN
Luminescence and absorption spectra of C60 films
[AD-A232153] 15 p2508 N91-23900
MCKILLIP, ROBERT M., JR.
An analytically linearized helicopter model with improved modeling accuracy
[NASA-CR-188715] 22 p3618 N91-30126
MCKINLEY, B. A.
Precision metering of microliter volumes of biological fluids in micro-gravity 24 p4080 N91-32792
MCKINLEY, KELTON R.
Hydrogen from renewable resources research
[DE91-005038] 09 p1355 N91-17441
MCKINLEY, RICHARD L.
Intelligibility of digital speech masked by noise: Normal hearing and hearing impaired listeners
[AD-A234852] 18 p2975 N91-26427
MCKINLEY, ROGER J. B., SR.
Controlled decomposition and oxidation: A treatment method for gaseous process effluents
07 p1080 N91-15944
MCKINLEY, SARAH L.
Chronology: MSFC Space Station program, 1982 - present. Major events
[NASA-CR-184014] 06 p0933 N91-15119
Chronology: MSFC Space Shuttle program development, assembly, and testing major events (1969 - April, 1981)
[NASA-CR-184013] 06 p0933 N91-15120
Historical annotated bibliography: Space Station documents
[NASA-CR-184012] 07 p1086 N91-15974
MCKINNEY, L. W.
National Transonic Facility status
16 p2550 N91-24133
MCKINNON, JOHN A.
Solar astronomy data base: Packaged information on diskette 03 p0442 N91-12474
MCKINNON, WILLIAM B.
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182
MCKINZIE, DANIEL J., JR.
Turbulent boundary layer separation over a rearward facing ramp and its control through mechanical excitation
[NASA-TM-103702] 11 p1701 N91-19370
MCKISSICK, BURNELL
Status of NASA's IR wind shear detection research
16 p2552 N91-24145
MCKISSOCK, BARBARA I.
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
Comparison of dynamic isotope power systems for distributed planet surface applications
[NASA-TM-4303] 20 p3303 N91-28278
MCKISSON, J. E.
Gamma radiation survey of the LDEF spacecraft
16 p2707 N91-24981
MCKOY, V.
Photoelectron spectroscopy of excited molecular states
[DE90-012088] 09 p1395 N91-17673
MCKOY, VINCENT
Studies of resonantly enhanced multiphoton ionization processes in molecules
[AD-A235217] 18 p3059 N91-26898
MCKUNE, JOHN
Lightning to the upper atmosphere: A vertical light pulse from the top of a thunderstorm as seen by a payload bay TV camera of the space shuttle
24 p4067 N91-32720
MCLALLIN, K. L.
Full-size solar dynamic heat receiver thermal-vacuum tests
[NASA-TM-104486] 17 p2744 N91-25184
Ground test program for a full-size solar dynamic heat receiver
[NASA-TM-104485] 19 p3115 N91-27209
MCLANDRICH, M. N.
Thickness measurements of silicon films using partial coherence interferometry
[AD-A235211] 18 p3064 N91-26930
MCLANE, PETER J.
The study of space communications spread spectrum systems. Part 1: Saw-based joint group demodulation of frequency shift keyed and differential phase shift keyed signals
[OU-90-1-PT-1] 21 p3495 N91-29395
MCLAREN, A. S.
Lead detection and mapping with reference to relationships between scale, sensor characteristics, surface conditions and atmospheric properties
[AD-A235121] 18 p3018 N91-26666
MCLAREN, ANNE
Developmental biology and microgravity
11 p1750 N91-19622
MCLAREN, M. D.
Multivariable methods for the design, identification, and control of large space structures. Volume 1: Estimator Eigenvalue placement in positive real design
[AD-A226525] 05 p0628 N91-13477
Multivariable methods for the design, identification, and control of large space structures. Volume 3: A study of the integrated control/structure design optimization problem for large flexible structures
[AD-A226526] 05 p0628 N91-13478
MCLAREN, MARK D.
Active versus passive damping in large flexible structures 14 p2230 N91-22338
MCLAREN, MARK DUNCAN
Controller methodologies for integrated control/structure design optimization of large flexible structures 02 p0186 N91-11043
MCLAREN, P. E.
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917

MCLAUGHLIN, D. L.
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
Rise time and recovery of GaAs photoconductive semiconductor switches
[DE91-001267] 06 p0879 N91-14854
High power light activated semiconductor switches with sub-nanosecond rise time
[DE91-009250] 15 p2515 N91-23939
Physics and applications of the lock-on effect
[DE91-014670] 21 p3504 N91-29446
High gain photoconductive semiconductor switching
[DE91-014668] 21 p3508 N91-29478

MCLAUGHLIN, S. F.
A method of determining attitude from magnetometer data only 09 p1291 N91-17094

MCLEAN, BRIAN
The environments of Markarian galaxies 08 p1250 N91-16881

MCLEAN, D.
Aircraft flight in wind-shear 02 p0168 N91-10973

MCLEAN, DAVID R.
The Explorer platform planning system: An application of a resource reasoning planning shell 14 p2212 N91-22222
Using C to build a satellite scheduling expert system: Examples from the Explorer platform planning system 14 p2313 N91-22774

MCLEAN, E. A.
Laboratory simulation of high-altitude disruptive effects 10 p1553 N91-18542

MCLEAN, EPHRAIM
Assessment and development of software engineering tools
[AD-A233471] 17 p2829 N91-25627

MCLEAN, I. S.
Infrared images of merging galaxies 08 p1254 N91-16904

MCLEAN, JAMES STUART
The application of deterministic spectral domain method to the analysis of planar circuit discontinuities on open substrates
[AD-A226901] 06 p0822 N91-14542

MCLEAN, KATHLEEN A.
Transformation of a finite-element model of a piezoelectric spherical shell transducer from a nodal to a spherical harmonic function representation
[AD-A236838] 19 p3168 N91-27518

MCLEAN, WILLIAM
EMU helmet mounted display
[NASA-CASE-MSC-21460-1] 05 p0697 N91-13879

MCLEES, ROBERT E.
An example of requirements for Advanced Subsonic Civil Transport (ASCT) flight control system using structured techniques
[NASA-CR-187526] 24 p3960 N91-32132

MCLELLAN, T.
Heat strain and work tolerance times with varying levels of Canadian Forces NBC protective clothing, ambient temperature, physical work intensity, and work/rest schedules
[AD-A232653] 15 p2478 N91-23720

MCLEOD, J. B.
Nonlinear wave and diffusion equations
[AD-A229795] 12 p1866 N91-20251

MCLEOD, M. G.
A predictive geomagnetic field model for epoch 1990.5
[AD-A226491] 04 p0548 N91-13038

MCLEOD, R.
Simulation of planar integrated photonics devices with the LLNL time-domain finite-difference code suite
[DE91-011929] 20 p3405 N91-28876

MCLEOD, ROBERT
Modeling pulse driven antenna systems with finite differences
[DE90-010682] 08 p1125 N91-16182

MCLEOD, ROBERT R.
Temporal scattering and response software: Users' manual
[DE91-001760] 05 p0647 N91-13593
Image 3.3: Tutorial manual
[DE91-001762] 05 p0701 N91-13908

MCLOUGHLIN, FRANK ANTHONY
Integrated structural damping and control system design for high-order flexible systems 21 p3531 N91-29617

MCLUCKEY, S. A.
Analysis of metals in solution using electrospray ionization mass spectrometry
[DE91-012522] 20 p3308 N91-28310
Fixed-wavelength R2PI/tandem mass spectrometry for mixture analysis in the quadrupole ion trap
[DE91-012506] 20 p3398 N91-28835
Spontaneous cluster decomposition in a quadrupole ion trap
[DE91-012519] 20 p3399 N91-28836

MCLYMAN, W. T.
Improved high power/high frequency inductor
[NASA-CASE-NPO-17830-1-CU] 06 p0821 N91-14539

MCMAHON, G. W.
Examples manual for program MAVART
[AD-A229104] 12 p1954 N91-20747

MCMAHON, GARFIELD W.
User's manual for program MAVART
[AD-A233426] 16 p2670 N91-24777

MCMAHON, P. M.
NGC 3312: A victim of ram pressure sweeping 05 p0750 N91-14177
VLA neutral hydrogen imaging of compact groups 08 p1248 N91-16872

MCMAHON, R. J.
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719

MCMANAMY, T. J.
The insulation irradiation test program for the compact ignition tokamak
[DE90-011318] 09 p1400 N91-17706

MCMANIS, G. W.
Solvent dynamical effects in electron transfer: The solvent inertial limit and the predicted influence of quantum effects
[AD-A237462] 21 p3575 N91-29880

MCMANUS, HUGH LESLIE NICHOLAS
High-temperature thermomechanical behavior of carbon-phenolic and carbon-carbon composites 24 p3969 N91-32171

MCMANUS, KEITH ROBERT
The effects of controlling vortex formation on the performance of a dump combustor 15 p2397 N91-23270

MCMASTER, L. R.
SAM 2 measurements of the polar stratospheric aerosol. Volume 9: October 1982 - April 1983
[NASA-RP-1244] 10 p1546 N91-18505

MCMICHAEL, IAN
Studies of phase-conjugate optical device concepts
[AD-A236075] 19 p3246 N91-27950

MCMICHAEL, R. D.
Monte Carlo and mean field calculations of the magnetocaloric effect of ferromagnetically interacting clusters
[DE91-014792] 21 p3572 N91-29859

MCMILLAN, CHARLES
Shot report, Holo-17-Holo-22 Rex-9
[DE91-002575] 06 p0829 N91-14583

MCMILLAN, IAN
The use of optical methods for microwave signal distribution and control 07 p0943 N91-15168

MCMILLAN, V. C.
Electrodeposited zinc-nickel as an alternative to cadmium plating for aerospace application
[NASA-TM-103551] 24 p3977 N91-32217

MCMILLAN, VANCE M.
Rule-based frequency domain speech coding
[AD-A230774] 12 p1888 N91-20382

MCMILLEN, LOWELL D.
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 1: Real-time flight experiment support
[NASA-CR-179449] 16 p2559 N91-24193

MCMILLIN, S. NAOMI
The use of a Navier-Stokes code in the wing design process 02 p0153 N91-10889
Navier-Stokes and Euler solutions for lee-side flows over supersonic delta wings. A correlation with experiment
[NASA-TP-3035] 05 p0613 N91-13401

MCMILLS, L. E. H.
Chemistry and superconductivity in thallium-based cuprates
[AD-A225051] 03 p0423 N91-12366

MCMINN, JOHN D.
Hypersonic vehicle simulation model: Winged-cone configuration
[NASA-TM-102610] 04 p0487 N91-12705

MCMURRAY, ROBERT E., JR.
Pyroelectric detectors 06 p0794 N91-14390

MCMURRY, P. H.
Modal aerosol dynamics modeling
[PB91-161729] 18 p3006 N91-26598

MCNAY, DAN
Efficient evaluation of the inner products in the spectral domain analysis of microstrip discontinuities
[AD-A229607] 22 p3667 N91-30415

MCNEELY, J. B.
AlGaAs top solar cell for mechanical attachment in a multi-junction tandem concentrator solar cell stack 11 p1667 N91-19187

MCNEELY, JAMES B.
Thin crystalline InP on insulating substrates
[AD-A226386] 04 p0590 N91-13294
Electronic GaAs-on-silicon material for advanced high-speed optoelectronic devices
[AD-A232088] 15 p2419 N91-23399

MCNEESE, MICHAEL D.
An advanced knowledge and design acquisition methodology: Application for the pilot's associate
[AD-A233700] 18 p3034 N91-26748

MCNEIL, M. B.
Mineralogical fingerprints for corrosion processes induced
[AD-A229840] 14 p2245 N91-22417

MCNEIL, MICHAEL B.
Microbiologically influenced corrosion in copper and nickel seawater piping systems
[AD-A229874] 11 p1685 N91-19287

MCNEIL, ROGER
Research in elementary particle physics
[DE90-017278] 01 p0120 N91-10708

MCNEIL, WILLIAM J.
Plasma density modifications by means of pulsed beam CIV in the ionosphere 10 p1551 N91-18530

MCNERNEY, K.
Analysis of the surface heterogeneity of different samples of aluminum oxide ceramic powders
[DE91-013527] 20 p3327 N91-28421

MCNESBY, KEVIN L.
An approximation to true peak absorbance from observed peak absorbance for gas phase Fourier transform spectroscopy
[AD-A228357] 08 p1111 N91-16104
Rotational temperature estimation of CO at high temperatures by graphical methods using FTIR spectrometry
[AD-A228370] 08 p1111 N91-16105

MCNICHOLL, PATRICK J.
A program to operate and upgrade the GL low altitude lidar systems
[AD-A238081] 21 p3500 N91-29423

MCNIFF, B. P.
Variations in gear fatigue life for different wind turbine braking strategies
[DE91-002161] 22 p3684 N91-30513

MCNISH, THOMAS M.
Use of Contact Lenses (CL) by aircrew in the USAF 17 p2826 N91-25610

MCNIVEN, ULLA
Material degradation of steam turbine rotors in long term operations
[VTT-RR-692] 05 p0637 N91-13530

MCNULTY, DAVE
Uncooled two-stroke gas engine for heat pump drive
[DE91-005482] 10 p1539 N91-18471

MCNUTT, MARCIA K.
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591
Report of the panel on lithospheric structure and evolution, section 3 13 p2106 N91-21592

MCPARTLAND, J. T.
Design of physical cloud seeding experiments for the Arizona atmospheric modification research program
[PB91-174136] 19 p3201 N91-27692

MCPETERS, RICHARD D.
A technique for directly comparing radiances from two satellites 11 p1731 N91-19520
Initial estimate of NOAA-9 SBUV/2 total ozone drift: Based on comparison with re-calibrated TOMS measurements and pair justification of SBUV/2 11 p1732 N91-19523
Ozone measurements from the NOAA-9 and the Nimbus-7 satellites: Implications of short and long term variabilities 11 p1732 N91-19527

MCPHAIL, A. T.
Synthesis and characterization of indium-arsenic compounds containing a four-membered In-Ad-In-As or In-As-In-Cl ring: Crystal structures of ((Me3SiCH2)2 InAs(SiMe3)2)2 and (Me3SiCH2)2 InAs(SiMe3)2 In(CH2SiMe3)2Cl
[AD-A232368] 15 p2518 N91-23956
Preparation of a novel gallium arsenide single-source precursor having the empirical formula AsCl3Ga2
[AD-A233704] 18 p3068 N91-26949

MCPHETRES, JEANNE M.
Proceedings of the 9th Annual DARPA/AFGL Seismic Research Symposium
[AD-A229025] 09 p1365 N91-17500
Proceedings of the 11th Annual DARPA/AFGL Seismic Research symposium
[AD-A229228] 09 p1365 N91-17503
Proceedings of the 8th Annual DARPA/AFGL Seismic Research Symposium
[AD-A230519] 12 p1923 N91-20582

MCRAE, D. S.
Graduate fellowship in hypersonics
[AD-A231263] 13 p2083 N91-21478
MCRAE, KEN I.
High resolution ultrasonic imaging of disbonds in adhesively bonded composite structures
[DREP-89-06] 22 p3645 N91-30283
MCREE, GRIFFITH J., JR.
New devices for flow measurements: Hot film and burial wire sensors, infrared imagery, liquid crystal, and piezo-electric model
[NASA-CR-187911] 12 p1900 N91-20450
MCRUER, DUANE
Estimation of pilot ratings via pilot modeling
15 p2371 N91-23121
MCRUER, DUANE T.
Aeroservoelastic stabilization techniques for hypersonic flight vehicles
[NASA-CR-187614] 22 p3623 N91-30156
MCSWEEN, HARRY Y., JR.
Primary igneous rocks on Mars: Composition and distribution 17 p2913 N91-26083
MCTIGUE, D. F.
The distribution of moisture beneath a two-dimensional surface source
[DE91-010720] 17 p2777 N91-25369
A boundary integral equation method for steady two-dimensional flow in partially saturated media
[DE91-016056] 23 p3868 N91-31573
Channel flow of a concentrated suspension
[DE91-016649] 24 p4016 N91-32453
MCVAY, G. L.
Processing science of advanced ceramics, volume 155
[AD-A229587] 22 p3653 N91-30331
MCVEIGH, JOSEPH J., JR.
Numerical simulation of fluid flow in a simple rotor/stator pair
[AD-A236720] 19 p3164 N91-27497
MCVEY, B. D.
INEX modeling of the Boeing ring optical resonator free-electron laser
[DE90-016488] 01 p0047 N91-10280
Integrated Numerical Experiments (INEX) and the Free-Electron Laser Physical Process Code (FELPPC)
[DE90-011957] 08 p1152 N91-16348
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
Simulation of APLE photoinjector
[DE91-018048] 24 p4025 N91-32493
MCVEY, BRIAN D.
Three-dimensional simulations of harmonic radiation and harmonic lasing
[DE91-000235] 03 p0370 N91-12074
Small signal gain based on analytic models of thin intense electron beams
[DE91-001874] 05 p0654 N91-13631
Field error lottery
[DE91-001875] 05 p0666 N91-13702
Thermal analysis of multifacet-mirror ring resonator for XUV free-electron lasers
[DE91-005855] 09 p1343 N91-17379
MCVEY, SALLY
Research in geosciences policy
[NASA-CR-188038] 14 p2282 N91-22619
A remote sensing applications update: Results of interviews with Earth Observations Commercialization Program (EOCAP) participants 14 p2282 N91-22623
MCWHA, JAMES
Life-critical digital flight control systems
09 p1376 N91-17561
MCWHIRTER, J. G.
The QR-decomposition based least-squares lattice algorithm for adaptive filtering
[RSRE-MEMO-4409] 09 p1379 N91-17580
MCWHORTER, ALAN L.
Solid state research
[NASA-CR-187654] 04 p0587 N91-13279
Solid state research
[NASA-CR-187871] 08 p1236 N91-16816
Solid state research
[AD-A230358] 12 p1989 N91-20944
Solid state research
[AD-A234836] 18 p3069 N91-26958
Solid state research
[NASA-CR-188021] 21 p3598 N91-30016
MCWHORTER, P. J.
Thermal emission model for the anneal of radiation-induced trapped holes
[DE90-007285] 08 p1220 N91-16718
MCWRIGHT, G. M.
Integrated optical devices for photonics instrumentation systems
[DE91-004192] 06 p0873 N91-14826
MEAD, JAMES B.
Fine scale measurements of microwave backscatter from the ocean surface
[AD-A229954] 12 p1926 N91-20601
MEAD, JOEY L.
Structure property relationship of aliphatic polyurethane elastomers prepared from CHDI
[AD-A239397] 23 p3820 N91-31311
MEAD, W. C.
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
Information theoretic derivation of network architecture and learning algorithms
[DE91-007552] 19 p3217 N91-27782
Using CNLS-NET (connectionist normalized local spline-network) to predict the Mackey-Glass chaotic time series
[DE91-007478] 19 p3257 N91-28016
MEADE, ANDREW J.
The semidiscrete Galerkin finite element modeling of compressible viscous flow past an airfoil
04 p0597 N91-13330
MEADE, ROBERT DAVID
Structure and stress of semiconductor surfaces
09 p1412 N91-17772
MEADOR, MARY ANN
Ladder polymers for use as high temperature stable resins or coatings
[NASA-CASE-LEW-14203-1] 07 p0984 N91-15402
MEAKER, T. A.
Safety analysis applied to test/verification of ESA space systems 07 p0951 N91-15222
MEAKIN, IAN S.
An experimental investigation into fin/bulb keels for the Port Pendennis America's Cup Challenge
[BU-511] 14 p2264 N91-22527
MEAKIN, R. L.
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
MEANS, J. L.
Method to select chemicals for in situ biodegradation of fuel hydrocarbons
[AD-A227541] 07 p0987 N91-15417
MEARS, C. A.
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011894] 18 p3071 N91-26973
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011826] 18 p3075 N91-26991
The effect of the quantum susceptance on the gain of superconducting quasiparticle mixers
[DE91-012352] 20 p3429 N91-29021
MEASE, K.
Robust and real-time control of magnetic bearings for space engines 20 p3296 N91-28230
MEAZZA, R.
Blood pressure maturation curve in normotensive rats during growth in simulated microgravitational environment 11 p1753 N91-19644
MEBIUS, J. E.
On the rotation interpolation and animation problems in computer graphics
[REPT-90-08] 01 p0109 N91-10637
Krames rotations: Characterization of the rotations represented by straight lines in stereographic space
[REPT-90-76] 10 p1574 N91-18659
MECARTNEY, MARTHA L.
High temperature superconducting compounds
[AD-A229082] 09 p1413 N91-17776
MECHDADI, F.
Preparation and characterisation of LaBaCaCu3O(x) and La(1.3)Ba(1.7)Cu3O(x)
[DE91-615673] 12 p1985 N91-20924
MECHERIKUNNEL, A. T.
Solar constant data from Earth radiation budget measurements 03 p0447 N91-12498
MECKLENBURG, B.
A chopper driven 11.4-GHz traveling-wave RF generator
[DE91-013568] 20 p3339 N91-28489
MEDDA, B.
ATR 72: The first civil aircraft with a carbon fibre reinforced plastic wing 03 p0307 N91-11714
MEDELIUS, P. J.
Characterization of vertical electric fields and associated voltages induced on an overhead power line from close artificially initiated lightning
[DE91-010781] 18 p3016 N91-26656
MEDELIUS, PEDRO J.
E and DE/DT waveshapes for narrow bipolar pulses in intracloud lightning 24 p4048 N91-32610
Characterization of vertical electric fields and associated voltages induced on a overhead power line from close artificially initiated lightning 24 p4051 N91-32629
A system for mapping sources of VHF and electric field pulses from in-cloud lightning at KSC
24 p4063 N91-32697
Voltages induced on a power distribution line by overhead cloud lightning 24 p4069 N91-32734
MEDINA, F.
Space physics research in Mexico
07 p0948 N91-15205
MEDINA, J. G.
Design of physical cloud seeding experiments for the Arizona atmospheric modification research program
[PB91-174136] 19 p3201 N91-27692
MEDLEY, S.
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
MEEHAN, EDWARD J.
Nucleation and growth control in protein crystallization
[NASA-CR-187345] 07 p1070 N91-15886
MEEHAN, RICHARD
Portable dynamic fundus instrument
[NASA-CASE-MSC-21675-1] 05 p0694 N91-13865
MEEHL, G. A.
Enhanced research program on the long-range climatic effects of increased atmospheric carbon dioxide: A continuation
[DE91-010617] 17 p2807 N91-25519
MEEK, T. T.
An investigation of the thermal shock resistance of lunar regolith and the recovery of hydrogen from lunar soil heated using microwave radiation 16 p2594 N91-24373
An investigation of some mechanical and thermal properties of lunar simulant materials heated at 2.45 GHz 17 p2749 N91-25209
Investigation of mechanical and thermal properties of microwave-sintered lunar simulant materials using 2.45 GHz radiation 17 p2753 N91-25237
MEEKER, LARRY J.
Human centrifuges in research and training
[AD-A236267] 19 p3108 N91-27171
MEEKS, E. L.
Frequency response of a supported thermocouple wire: Effects of axial conduction
[NASA-CR-188069] 12 p1901 N91-20457
Frequency response of a supported thermocouple wire: Effects of axial conduction
[NASA-CR-188101] 13 p2088 N91-21489
MEELKER, J. H.
Method management for the benefit of large software packages for analysis in CAE
[NLR-TP-89027-U] 22 p3733 N91-30786
MEERSON, B.
A mesoscopic linear accelerator driven by superintense subpicosecond laser pulses
[DE91-015941] 21 p3580 N91-29913
MEERTENS, LAMBERT G. L. T.
Paramorphisms
[CWI-CS-R9005] 07 p1057 N91-15806
MEESE, DEBRA A.
Sea ice observations from the winter Weddell Gyre study, 1989
[AD-A236036] 19 p3205 N91-27717
MEESTER, R. W. J.
Stability properties of a flow process in graphs
[REPT-90-58] 08 p1210 N91-16656
MEESTER, RONALD W. J.
Connected components in supercritical Mandelbrot percolation
[REPT-90-15] 02 p0260 N91-11452
MEETHAM, G. W.
Recent advances and developments in coatings
[PNR-90698] 02 p0181 N91-11021
High temperature materials: The overall view
[PNR-90699] 02 p0192 N91-11073
MEGER, R. A.
Density channel tracking studies on Pulserad
[AD-A232649] 15 p2506 N91-23888
MEGESSIER, C.
Rotational and rapid flux variations of 21Com in the ultraviolet 09 p1434 N91-17900
Is the magnetic Ap star 21 Per an eclipsing binary
09 p1434 N91-17902
MEGGIT, B. T.
Fibre optic anemometry using an optical delay cavity technique
[ETN-90-97966] 03 p0418 N91-12341
MEGIE, GERARD
Backscatter lidar: The potential of a space-borne lidar for operational meteorology, climatology and environmental research. Report to the ATLID consultancy group
[ESA-SP-1121] 03 p0392 N91-12182
MEGIORINROMA, ALEXANDRE
Analysis of the dynamics and control of an artificial satellite with extendable solar arrays
[INPE-5220-TDL/436] 22 p3630 N91-30197

MEGLEN, R. R.
Exploratory data analysis on data generated in the DOE subsurface microbiology program
[DE91-007575] 16 p2662 N91-24726
MEHALEK, STEPHEN
CRRES project orbital data processing task
[AD-A234286] 22 p3628 N91-30190
MEHDIKHANI, M.
Low-cost fiber optic weigh-in-motion sensor
[PB91-152702] 16 p2630 N91-24559
MEHLBERG, JERRY L.
Development of an image registration technique for polar-orbiting satellites
[AD-A230586] 12 p1855 N91-20196
MEHLHORN, T. A.
Ion contamination of x ray pinhole camera images on PBFA 2
[DE90-012180] 08 p1149 N91-16325
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919
MEHMED, ORAL
Optical measurement of unducted fan flutter
[NASA-TM-103285] 07 p0944 N91-15174
Optical measurement of propeller blade deflections in a spin facility
[NASA-TM-103115] 09 p1274 N91-17002
MEHNERT, AXEL
The microcrystal laser: A first step on the way to a laser microsystem
[MBB-Z-0336-90-PUB] 23 p3878 N91-31635
MEHRA, RAMAN K.
An overview of the essential differences and similarities of system identification techniques
14 p2232 N91-22348
MEHRINGER, DAVID
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020
MEHRLE, WERNER
Regeneration and characterization of protoplast-derived cell lines from Digitalis lanata EHRH. and Digitalis purpurea L. suspension cultures after electrofusion under microgravity conditions 11 p1755 N91-19652
MEHROTRA, GOPAL M.
Chemical compatibility and oxidation resistance of potential matrix and reinforcement materials in ceramic composites for ultra-high temperature applications
[AD-A235958] 19 p3119 N91-27231
MEHROTRA, MALA
Rule groupings: A software engineering approach towards verification of expert systems
[NASA-CR-4372] 17 p2829 N91-25625
MEHROTRA, PIYUSH
Compiling global name-space programs for distributed execution
[NASA-CR-187454] 03 p0399 N91-12216
Programming distributed memory architectures using Kali
[NASA-CR-187453] 03 p0399 N91-12217
MEHROTRA, S. C.
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 1: Steady
[AD-A233482] 16 p2547 N91-24113
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 2: User manual for VORSTAB-2
[AD-A233483] 16 p2547 N91-24114
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 3: Unsteady
[AD-A233569] 16 p2547 N91-24115
MEHTA, G. K.
Development of low cost propulsion requirements
16 p2570 N91-24242
MEHTA, GOPAL
Propulsion technologies for near term
20 p3301 N91-28262
MEHTA, H. S.
A failure probability estimate of type 304 stainless steel piping
[DE91-004299] 07 p0979 N91-15372
MEHTA, KISHOR C.
Wind drag coefficients for octagonal cylinders
[PB91-164475] 19 p3102 N91-27141
MEHTA, NARINDER
Low level vapor verification of monomethyl hydrazine
11 p1825 N91-20032
MEHTA, UNMEEL B.
The aerospace plane design challenge: Credible computational fluid dynamics results
[NASA-TM-102887] 09 p1294 N91-17112
The aerospace plane design challenge: Credible computational fluid dynamics results
17 p2772 N91-25341
MEHTA, VIKRAM M.
On the decadal modes of oscillation of an idealized ocean-atmosphere system 03 p0445 N91-12487
MEHTA, VIKRAM MADHUVADAN
On the decadal modes of oscillation of an idealized ocean-atmosphere system 03 p0389 N91-12164
MEI, KENNETH K.
Time domain finite difference analysis of antennas
[AD-A226534] 05 p0651 N91-13613
Time domain scattering of focused electromagnetic beam by lossy targets
[AD-A227741] 09 p1322 N91-17257
MEI, RENWEI
Particle dispersion in isotropic turbulence and unsteady particle dynamics at finite Reynolds number
22 p3672 N91-30448
MEI, V. C.
Performances of four magnetic heat-pump cycles
[DE90-015606] 02 p0212 N91-11185
Performance comparison of magnetic refrigeration cycles
[DE91-001520] 05 p0645 N91-13578
Loss analysis of the thermodynamic cycle of magnetic heat pumps
[DE91-007669] 11 p1812 N91-19950
MEI, XU
Estimations of ABL fluxes and other turbulence parameters from Doppler lidar data
[NASA-CR-188062] 13 p2116 N91-21648
MEI, Z.
Superplastic creep of eutectic tin-lead solder joints
[DE91-009074] 13 p2105 N91-21586
MEI, ZEQUN
Fatigue crack propagation in austenitic stainless steels at cryogenic temperatures 22 p3650 N91-30312
MEIER, G. H.
Environmental effects in niobium base alloys and other selected intermetallic compounds
[AD-A237535] 21 p3538 N91-29658
MEIER, J. K.
Comparisons between fast shock tube calculations and tests
[DE91-013496] 20 p3287 N91-28177
MEIER, K. L.
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640
MEIER, M.
Time response of fast-gated microchannel plates used as x ray detectors
[DE91-006243] 09 p1330 N91-17308
Self- and interdiffusion in alkali-silicate melts (TEXUS 11 and 12) 23 p3831 N91-31366
Self- and interdiffusion in alkali-silicate melts (TEXUS 13) 23 p3831 N91-31367
Reaction kinetics in molten glasses: Self-diffusion in alkali-silicate melts (TEXUS 20)
23 p3831 N91-31368
MEIER, M. F.
Reduce uncertainty in projection of future sea-level change due to ice wastage
[DE91-010933] 17 p2807 N91-25521
MEIER, M. L.
Strain enhanced microstructural evolution
[DE91-011921] 18 p2957 N91-26318
MEIER, THOMAS
Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121
MEIER, W. R.
The Cascade inertial confinement fusion reactor concept
[DE91-013852] 20 p3420 N91-28966
MEIER, WAYNE R.
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010332] 08 p1226 N91-16759
MEIJER, H. G.
Laguerre polynomials generalized to a certain discrete Sobolev inner product space
[REPT-90-71] 10 p1585 N91-18731
MEIJER, J. J.
Investigation of a semi-empirical method to predict limit cycle oscillations of modern fighter aircraft
06 p0782 N91-14333
MEIJER, R. W. M.
Spectra and gradients of stormy winds at Cabauw, Netherlands, up to 200 meters high
[KNMI-TR-119] 01 p0094 N91-10546
MEIJERS, P.
A survey on the mechanisms and mechanics of toughning in structural ceramics
[MEMT-15] 17 p2762 N91-25288
MEIJN, R.
Vulnerability of a small powerplant to wet snow conditions 23 p3792 N91-31148
MEILER, P. P.
BSB radar pulse classification
[FEL-90-B023] 05 p0649 N91-13603
MEILUNAS, R. J.
Oxidation studies of fluorine containing diamond films
[AD-A232696] 15 p2407 N91-23328
Infrared and Raman spectra of C60 and C70 solid films at room temperature
[AD-A237880] 21 p3506 N91-29462
MEINING, UWE
Investigation of actions to reduce noise emissions in ultralight aircrafts
[UBA-FB-105-05-303] 04 p0579 N91-13224
MEIROVITCH, LEONARD
A recursive approach to the equations of motion for the maneuvering and control of flexible multi-body systems 14 p2227 N91-22319
MEISCHNER, PETER
Investigation of micro- and macrophysical structures and processes in hail clouds with respect to their modification
[DLR-FB-90-38] 15 p2469 N91-23677
MEISEL, D.
Common threads in imaging and photocatalysis: Silver, silver halides, and semiconductors
[DE91-010626] 19 p3250 N91-27980
MEISEL, L.
Unusually high fracture toughness of ASTM A723 steel from a mixed martensite/bainite microstructure
[AD-A230315] 12 p1870 N91-20274
MEISEL, L. V.
Diffraction models, dynamical structure tensors, and electron-phonon interaction
[AD-A225953] 04 p0580 N91-13234
MEISENHEIMER, T. L.
Effect of radiation-induced charge on 1/f noise in MOS devices
[DE90-015991] 07 p0998 N91-15479
The 1/f noise in irradiated MOS devices
[DE90-007288] 08 p1131 N91-16219
Hardness assurance for low-dose space applications
[DE91-009179] 19 p3111 N91-27189
The 1/F noise in n- and p-channel MOS devices through irradiation and annealing
[DE91-008176] 19 p3250 N91-27977
MEISSE, C.
Optical constants of kerogen from 0.15 to 40 microns: Comparison with meteoritic organics
[NASA-CR-187825] 07 p1083 N91-15957
MEISSNER, C. W., JR.
NASA-LaRc Flight-Critical Digital Systems Technology Workshop
[NASA-CP-10028] 16 p2560 N91-24200
MEISSNER, CHARLES W.
The Integrated Airframe/Propulsion Control System Architecture program (IAPSA) 04 p0483 N91-12689
MEISSNER, DANA L.
Pressure measurements in a low-density nozzle plume for code verification
[NASA-TM-105170] 21 p3467 N91-29228
MEISSNER, GERT-ANDREAS
Constructing of fast visualization methods for graphically design processes
[ETN-90-98179] 04 p0566 N91-13143
MEISTER, M. A.
A study of dry microburst detection with airport surveillance radars
[AD-A230060] 12 p1925 N91-20591
MEISTRING, R.
The application of three-dimensional fibre preforms for aerospace composite structures
03 p0327 N91-11822
Oxidation inhibited carbon/carbon: A candidate material for hot structures 03 p0328 N91-11825
MEIXNER, M.
High resolution CO images of Seyfert Galaxies
05 p0738 N91-14121
MELAD, CHEMESSE
An experimental and numerical study of wavemaker dissipation in the process of direct generation of the resonant sloshing waves in a rectangular tank
[ITN-91-85103] 18 p2985 N91-26481
MELCHER, JOERG
Adaptive digital real time filtering in structural dynamics: A contribution to the realization on Actively Reacting Elastic Structures (ARES) 02 p0160 N91-10929
MELCHIORRI, B.
Sub-millimetric cosmology: From ground based to space observations 13 p2173 N91-21991
MELCHIORRI, FRANCESCO
Sub-millimetric cosmology: From ground based to space observations 13 p2173 N91-21991
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation
13 p2179 N91-22040

The TIR project: A balloon telescope for the measurement of CBR anisotropies
13 p2180 N91-22041

MELENDEZ-ALVIRA, DANIEL J.
Theory and measurements of nighttime horizontal gradients in the mid-latitude F region
06 p0846 N91-14671

MELENDRES, CARLOS A.
Laser Raman spectroscopy for in-situ analysis of corrosion films on metals
[DE90-017822] 02 p0198 N91-11109

MELESHKO, G. I.
Habitability and biological life support systems
19 p3215 N91-27769

MELFI, S. HARVEY
Airborne lidar research 17 p2792 N91-25446
The role of water vapor in climate. A strategic research plan for the proposed GEWEX water vapor project (GVaP)
[NASA-CP-3120] 17 p2814 N91-25556

MELHEM, RAMI G.
Coincident pulse techniques for hybrid electronic optical computer systems
[AD-A233195] 16 p2689 N91-24887

MELICHAR, BORIVOJ
The hierarchy of LR-attributed grammars
[MEMO-INF-91-26] 23 p3912 N91-31840
Attribute evaluation and parsing
[MEMO-INF-91-31] 23 p3912 N91-31841

MELICHAR, T.
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588

MELIKIDZE, G. I.
On the existence of circular polarisation in the pulsar radiation 06 p0921 N91-15088
On the possibility of discovering pulsed radiation from SN 1987A 06 p0923 N91-15102

MELIN, STEFAN A.
Lightning location system supervising Swedish power transmission network 24 p4049 N91-32617

MELIS, MATTHEW E.
Elastic/plastic analyses of advanced composites investigating the use of the compliant layer concept in reducing residual stresses resulting from processing
[NASA-TM-103204] 02 p0192 N91-11074
A unique high heat flux facility for testing hypersonic engine components
[NASA-TM-103238] 03 p0316 N91-11770
High temperature NASP engine seal development
[NASA-TM-103716] 11 p1715 N91-19441
Experimental and analytical analysis of stress-strain behavior in a (90/0 deg)2s, SiC/Ti-15-3 laminate
[NASA-TM-104470] 23 p3807 N91-31235

MELISSINOS, A. C.
Laser switched power linac
[AD-A234581] 18 p2990 N91-26507

MELLO, F.
Bobbin stresses generated by wire winding
[DE91-009545] 15 p2442 N91-23526

MELLO, FRANK JAMES
Weak formulations in analytical dynamics, with applications to multi-rigid-body systems, using time finite elements 07 p1014 N91-15567
Time finite element methods for large rotational dynamics of multibody systems
[DE91-002336] 07 p1061 N91-15838

MELLOMARSHALL, PAULO
S-band diplexer for a telecommunication board transponder
[INPE-4540-PRE/1286] 05 p0646 N91-13586

MELLOR, G.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292

MELLSTROM, J. A.
Pattern-recognition techniques applied to performance monitoring of the DSS 13 34-meter antenna control assembly 24 p3984 N91-32253
Modeling and simulations of the DSS 13 antenna control system 24 p3986 N91-32268

MELNGAILIS, JOHN
Focused ion beam fabrication of microelectronic structures
[AD-A231848] 14 p2331 N91-22880

MELNICK, G.
Metabolism of nonessential N15-labeled amino acids and the measurement of human whole-body protein synthesis rates 17 p2820 N91-25583

MELNICK, GARY J.
Submillimeter water masers at 321 and 325 GHz
13 p2177 N91-22023
Excitation of submillimeter water masers
13 p2177 N91-22024
The submillimeter wave astronomy satellite
13 p2177 N91-22025
Small Explorer project: Submillimeter Wave Astronomy Satellite (SWAS). Mission operations and data analysis plan
[NASA-CR-186954] 15 p2387 N91-23212

MELNICK, J.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978

MELNIK, S. G.
Effect of job load on functional state of naval flight personnel 19 p3210 N91-27741

MELNIKOV, V. O.
The Kramers problem: Fifty years of development
[DE91-617583] 21 p3571 N91-29855

MELNIKOVA, G. K.
Methods of obtaining an electrical contact
[AD-A234800] 18 p2979 N91-26453

MELNITZKY, S.
Thermophysical properties of POCO AXF-5Q graphite up to melting
[DE91-014751] 21 p3485 N91-29334

MELOSH, H. J.
Impact processes in the Solar System: New understandings through numerical modeling
11 p1820 N91-19996

MELSON, ED
Heavy rain field measurements
16 p2557 N91-24181

MELSON, N. DUANE
A multiblock multigrid three-dimensional Euler equation solver
[NASA-TM-103424] 13 p2142 N91-21795

MELSON, W. E., JR.
Heavy rain effects on airplane performance
03 p0302 N91-11686

MELTON, ADRIAN WILFRED
Method for manufacturing composite material
[EP-PATENT-0-314-353-A2] 06 p0801 N91-14421

MELTON, J. E.
Euler and potential experiment/CFD correlations for a transport and two delta-wing configurations
[NASA-TM-102208] 01 p0003 N91-10014

MELTON, PATRICK B.
Cantilever clamp fitting
[NASA-CASE-MFS-28328-1] 05 p0671 N91-13731

MELTON, RONALD B.
Classification of acoustic emission waveforms for nondestructive evaluation using neural networks
[DE90-017239] 02 p0221 N91-11236

MELTON, ROY W.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 2, Task 2: Seeker emulator development
[AD-A225124] 05 p0618 N91-13429

MELTZ, G.
Development of optical fibers with embedded gratings for sensor and signal processing applications
[AD-A229971] 12 p1980 N91-20894

MELTZ, MARTIN L.
Interaction of ionizing radiation, genetically active chemicals, and radiofrequency radiation in human and rodent cells
[AD-A234747] 18 p3021 N91-26677

MELVIN, W. W.
Wind shear procedures and the instrumentation
03 p0306 N91-11703

MENARD, FRANCOIS
On the polarization mechanism in the R Mon/NGC 2261 complex 06 p0899 N91-14969

MENARD, Y.
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
Validation requirements for the Topex/Poseidon altimeter mission 15 p2454 N91-23602

MENCARAGLIA, FRANCESCO
Production and transfer of UV photons in non-homogeneous spherical clouds
06 p0899 N91-14966

MENDELL, WENDELL
A personal history of the human exploration initiative with commentary on the pivotal role for life support research 05 p0693 N91-13855

MENDELSOHN, M. L.
An introduction to biological dosimetry
[DE91-007125] 11 p1762 N91-19698
Biological dosimetry and mechanisms of carcinogenesis
[DE91-015689] 23 p3899 N91-31763

MENDENHALL, MICHAEL R.
Aerodynamic design of Pegasus (trademark): Concept to flight with CFD 06 p0773 N91-14285

MENDESDACOSTA, ARACY
Study of the behavior of electron density of the lower ionosphere during absorption of the polar cap at latitudes in the Southern Hemisphere and the region of the South Atlantic Geomagnetic Anomaly
[INPE-5232-TDL/439] 22 p3707 N91-30630

MENDEZ, ANTONIO J.
Optical Multiple Access Network (OMAN) for advanced processing satellite applications
[NASA-TM-105167] 21 p3501 N91-29431

MENDILLO, MICHAEL
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A225045] 03 p0390 N91-12172
Modelling and observations of the equatorial ionosphere
[AD-A230631] 12 p1923 N91-20583
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A231373] 13 p2118 N91-21658
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A235170] 18 p3012 N91-26632

MENDIS, D. A.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010

MENDOZA-GOMEZ, CELIA X.
Molecular and mass spectroscopic analysis of isotopically labeled organic residues
06 p0898 N91-14961

MENDOZA, B.
Space physics research in Mexico
07 p0948 N91-15205

MENEES, GENE P.
Analytical and experimental investigations of the oblique detonation wave engine concept
15 p2379 N91-23169

MENENDEZ-VALDES, PEDRO
Studies of noise in semiconductor laser arrays
[AD-A232411] 15 p2434 N91-23485

MENENDEZ, ARTHUR R.
Medical management of combat laser eye injuries
17 p2827 N91-25619

MENENTI, M.
Digital analysis of satellite data and numerical simulation applied to irrigation water management by means of a database system
[REPT-4] 10 p1538 N91-18465

MENESES, PAULO ROBERTO
Utilization of IHS transformation for integration of images of differing resolutions: Urban land use study
[INPE-4606-PRE/1329] 05 p0731 N91-14086
Spot 1: Imagery in geologic mapping: A comparative study with several remote sensing products in the Curaca River Valley, Bahia
[INPE-5136-PRE/1624] 13 p2108 N91-21608

MENEZLA, RABEA
A three-dimensional code to solve the Poisson equation: Numerical simulation of the breakdown in P-N junction devices
[ECL-90-27] 23 p3860 N91-31525

MENG, TERESA H.
Asynchronous design for parallel processing architectures
[AD-A230374] 12 p1963 N91-20802
Asynchronous design for parallel processing architectures
[AD-A237696] 21 p3560 N91-29783

MENG, XIANGJIN
Investigation of methods to prepare carbon foils and to determine their thicknesses
[DE90-638126] 09 p1317 N91-17231

MENGES, JOHN
Providing common access mechanisms for dissimilar network interconnection nodes
[AD-A236630] 20 p3388 N91-28770

MENGXI, TANG
Instrumenting a room temperature gravitational radiation antenna for sub-Kelvin temperatures
[IFSI-90-20] 02 p0204 N91-11143

MENICUCCI, D.
SOLTECH 91: Proceedings, volume 2
[DE91-013767] 20 p3368 N91-28656
SOLTECH 91: Proceedings, volume 1
[DE91-002163] 20 p3368 N91-28658

MENIKOFF, R.
Generating strong shock waves with a supersonic peristaltic pump
[DE91-013228] 20 p3287 N91-28174

MENKE, BODO
High power optical transmitter package
[ETN-90-98197] 04 p0531 N91-12945
Selection strategy and reliability assessment for SILEX-communication laser diodes
24 p3992 N91-32306

MENKER, LAVERN J.
Results of the aeronautical systems division critical process team on integrated product development
[AD-A235419] 18 p3075 N91-26995
MENON, P. K. A.
Application and flight test of linearizing transformations using measurement feedback to the nonlinear control problem
[NASA-TP-3154] 22 p3623 N91-30154
MENON, S. V. G.
Issues in developing parallel iterative algorithms for solving partial differential equations on a (transputer-based) distributed parallel computing system
[DE91-622927] 17 p2837 N91-25681
MENON, SATHEESH R.
Coordination control of flexible manufacturing systems
14 p2254 N91-22468
MENON, SURESH
Development of a mathematical code to predict thermal degradation of fuel and deposit formation in a fuel system
[AD-A225415] 03 p0347 N91-11942
MENRATH, MARTIN
Experimental parameter determination and systems analysis for helicopter gas turbine
[ETN-91-98798] 10 p1472 N91-18113
MENSAH, PATRICE EDOETE
Degeneration of linear multivariable systems under high gain and dynamic compensation
15 p2497 N91-23830
MENTEN, KARL M.
Submillimeter water masers at 321 and 325 GHz
13 p2177 N91-22023
MENTHE, R. W.
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 4: Computer user's manual for UAAP turboprop aeroacoustic code
[NASA-CR-185194] 15 p2501 N91-23851
MENTOR, D.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
MENTZ, R. P.
Iterative procedures for exact maximum likelihood estimation in the first-order Gaussian moving average model
[AD-A230812] 13 p2144 N91-21809
MENYUK, C. R.
Pulse propagation in inhomogeneous optical fibers
[DE91-014356] 20 p3406 N91-28879
MENYUK, CURTIS R.
Pulse propagation in inhomogeneous optical fibers
[DE91-000821] 04 p0583 N91-13252
MENYUK, NORMAN
Analysis of nonlinear optical frequency conversion
[AD-A233726] 18 p3063 N91-26920
MENZIES, J.
The discovery of a highly polarized bipolar nebula
06 p0911 N91-15031
MERBOLD, U.
The microgravity environment of the D1 mission
03 p0430 N91-12407
MERCADANTE, RICHARD
Piloted simulation verification of a control reconfiguration strategy for a fighter aircraft under impairments
04 p0486 N91-12700
MERCADO, J. A.
Habitability: CAMELOT 4 10 p1479 N91-18150
MERCALDI, DAVID W.
Failure analysis techniques for the evaluation of electrical and electronic components in aircraft accident investigations
[AD-A226381] 04 p0474 N91-12647
MERCER, CAROLYN R.
Laser interferometric measurement of ion electrode shape and charge exchange erosion
[NASA-TM-105165] 23 p3873 N91-31605
MERCER, JAMES A.
Hamiltonian 3-D ray tracing in the oceanic waveguide on the ellipsoidal earth
[AD-A237458] 21 p3546 N91-29700
MERCER, L. B.
An adaptive coherent optical receiver array
[AD-A239672] 23 p3879 N91-31644
MERCER, LINDEN B.
The 1/f frequency noise effects on self-heterodyne linewidth measurements for coherent communications
[AD-A227942] 08 p1127 N91-16195
MERCER, P. R.
Airborne ESM receivers: Techniques and technologies
[ETN-91-99988] 23 p3856 N91-31498
MERCER, R. R.
Structure of the gas exchange region of the lungs determined by three-dimensional reconstructions
[PB91-133017] 12 p1928 N91-20609
MERCIER, V.
Low level turbulence detection by a laser velocimetry technique: Application to transonic flows
[AAAF-NT-89-07] 23 p3784 N91-31101
MEREDITH, DAWN C.
Chaos in classical nonlinear fields
[AD-A229434] 22 p3761 N91-30967
MERHAV, S. J.
Suppression of biodynamic interference in head-tracked teleoperation
[NASA-TM-103833] 13 p2024 N91-21134
MERK, N.
An historical mullite fiber-reinforced ceramic composite: Characterization of the 'wootz' crucible refractory
[DE91-005401] 10 p1494 N91-18225
MERKEL, EDWIN
Sport aviation and safety 10 p1456 N91-18029
MERKEL, HAROLD S.
Optical test of the space shuttle overhead windows
[AD-A229919] 12 p1852 N91-20178
MERKENS, W.
Ventilation and filling of an optical diffusion cell (TEXUS 8)
23 p3832 N91-31371
MERKLE, CHARLES L.
Solar rocket plume/mirror interactions
[NASA-CR-185300] 11 p1642 N91-19059
Time-derivative preconditioning for viscous flows
[NASA-CR-187139] 16 p2624 N91-24528
A review of liquid rocket propulsion programs in Japan
20 p3294 N91-28219
An overview of the Penn State Propulsion Engineering Research Center 20 p3295 N91-28222
CFD applications in chemical propulsion engines
20 p3297 N91-28234
MERKLE, F.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
MERKLE, J. G.
Near crack tip transverse strain effects estimated with a large strain hollow cylinder analogy
[DE91-012072] 20 p3361 N91-28619
Crack initiation under generalized plane strain conditions
[DE91-013410] 20 p3362 N91-28623
MERKLE, K. L.
Tilt grain boundaries in YBa2Cu3O(7-x) thin films
[DE91-006088] 09 p1414 N91-17786
Electron microscopy study of MOCVD-grown TiO2 thin films and TiO2/Al2O3 interfaces
[DE91-006544] 09 p1416 N91-17797
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
Atmosphere control during preparation of YBa2Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
Quantification of atomic-scale grain boundary parameters by high resolution electron microscopy
[DE91-011181] 17 p2760 N91-25280
Preparation and characterization of YBa2Cu4O8 superconductor
[DE91-010596] 17 p2872 N91-25885
Defects in decomposed YBa2Cu4O8 (124) superconductor after rapid annealing
[DE91-010597] 18 p3072 N91-26979
HREM study of heteroepitaxial interfaces in the TiO2/Al2O3 system
[DE91-012473] 18 p3074 N91-26986
High resolution electron microscopy of grain boundaries
[DE91-010593] 21 p3590 N91-29970
Correlations between grain boundary structure and energy
[DE91-015204] 21 p3593 N91-29990
Connection between grain boundary structure and energy
[DE91-015558] 21 p3600 N91-30030
Atomic structures and compositions of internal interfaces
[DE91-016095] 23 p3925 N91-31934
MERKLE, KARL L.
High resolution electron microscopy of interfaces in fcc materials
[DE91-004420] 08 p1111 N91-16101
MERKLEY, D. R.
Some considerations for various positioning systems and their science capabilities 13 p2065 N91-21372
MERKYS, A. J.
Plant growth under microgravity conditions: Experiments and problems 11 p1758 N91-19671
MERLET, J.
Theoretical and experimental study of horn-acoustic chamber coupling 07 p0954 N91-15246
A new need for mechanical test data analysis: An interactive software for manipulation and computation specification and example of implementation
07 p0959 N91-15281
MERLUZZI, P.
The OASI observatory in Antarctica
13 p2179 N91-22036
MEROLA, JOHN A.
Image-based terrain modeling with thematic mapper
08 p1166 N91-16418
MEROLLA, ANTHONY
Autonomous power system intelligent diagnosis and control 14 p2314 N91-22781
MERRELL, RANDY
A very high speed lossless compression/decompression chip set
[NASA-CR-188655] 19 p3216 N91-27775
MERRICK, VERNON K.
Simulation evaluation of a speed-guidance law for Harrier approach transitions
[NASA-TM-102853] 16 p2562 N91-24209
MERRIFIELD, MICHAEL RALPH
Multiple nuclei, cluster core dynamics, and the velocity distributions of gravitating systems
20 p3445 N91-29119
MERRIGAN, M. A.
Demonstration of liquid metal/fabric heat pipes
[DE91-008584] 19 p3162 N91-27485
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
MERRIGAN, MICHAEL A.
Review of liquid metal heat pipe work at Los Alamos
[DE91-004822] 07 p1002 N91-15503
MERRILL, ALFRED H., JR.
Subcellular signal transduction systems in the cellular trauma of ischemia
[AD-A229876] 11 p1765 N91-19709
MERRILL, B. J.
Three-dimensional fluid flow in JFTOT (Jet Fuel Thermal Oxidation Tester)
[DE90-010929] 02 p0201 N91-11128
MERRILL, R. D.
Application of telerobotic control to remote processing of nuclear material
[DE91-016562] 24 p4026 N91-32501
MERRILL, RAY
Advanced thermally stable jet fuels development program annual report. Volume 1: Model and experiment system development
[AD-A229692] 12 p1878 N91-20322
MERRILL, W.
A distributed fault-detection and diagnosis system using on-line parameter estimation
[NASA-TM-104433] 17 p2840 N91-25696
MERRILL, WALTER
Towards practical control design using neural computation
[NASA-TM-103785] 11 p1780 N91-19766
A simplified dynamic model of the Space Shuttle main engine
[NASA-TM-104421] 15 p2409 N91-23340
MERRILL, WALTER C.
Life extending control: A concept paper
[NASA-TM-104391] 14 p2197 N91-22135
Alpha-canonical form representation of the open loop dynamics of the Space Shuttle main engine
[NASA-TM-104422] 16 p2613 N91-24469
Neural network application to aircraft control system design
[NASA-TM-105151] 19 p3107 N91-27167
MERRING, R.
Heat-rate improvements obtained with the use of enhanced tubes in surface condensers
[DE91-006565] 13 p2078 N91-21449
MERRITT, B. T.
Development and operation of a solid-state switch for thyratron replacement
[DE91-016553] 24 p4006 N91-32401
MERRITT, D. A.
Ocean surface current measurements with a single-station, Doppler/spaced-antenna radar
[PB91-142307] 16 p2661 N91-24722
MERRITT, FERGUS J.
FAST: A multi-processed environment for visualization of computational fluid 14 p2355 N91-23024
MERRITT, JOHN H.
Cloud atlas for the FIRE Cirrus Intensive Field Observation (IFO) 01 p0082 N91-10487

MERRITT, MARK W.
Summer 1988 TDWR microburst analysis
03 p0305 N91-11701
MERROW, CLIFTON N.
Ultraviolet excimer laser-based ignition of H2/air and H2/O2 premixed flows
[AD-A226389] 04 p0529 N91-12934
MERROW, JAMES
Ion beam textured and coated surfaces experiment (IBEX) 16 p2717 N91-25040
MERSKI, N. RONALD
A relative-intensity two-color phosphor thermography system
[NASA-TM-104123] 23 p3871 N91-31595
MERSON, WAYNE R.
CETA truck and EVA restraint system
16 p2639 N91-24604
MERTE, HERMAN, JR.
A fundamental study of nucleate pool boiling under microgravity
[NASA-CR-188732] 22 p3655 N91-30345
A study of forced convection boiling under reduced gravity
[NASA-CR-186266] 22 p3656 N91-30351
MERTEN, K.
Progress in submicron technologies
24 p4005 N91-32394
MERTZ, G. E.
An on-line real-time system for fatigue crack growth monitoring
[DE91-007931] 11 p1722 N91-19483
MERZ, JAMES L.
Investigation of InP processing techniques for device applications
[AD-A225090] 03 p0423 N91-12370
MESAGNA, ROCCO
Cathode life test facility users manual operating and measurement procedures
[AD-A232506] 16 p2619 N91-24502
MESANDER, GEERT A.
Advanced ice protection systems test in the NASA Lewis icing research tunnel
[NASA-TM-103757] 15 p2382 N91-23183
MESHII, M.
Correlation between the elastic-shear-instability-mechanism and empirical criteria for irradiation-induced amorphization
[DE91-004481] 08 p1235 N91-16810
MESHISHNEK, M. J.
Long Duration Exposure Facility experiment M0003 deintegration/findings and impacts
16 p2718 N91-25046
Long Duration Exposure Facility experiment M0003 deintegration observations 16 p2718 N91-25047
MESICK, H. C.
Geometric rectification of high resolution airborne multispectral data
[AD-A230696] 12 p1917 N91-20548
MESINA, G. L.
A parallel algorithm for solving linear equations arising from one-dimensional network problems
[DE91-012815] 20 p3392 N91-28795
MESLAND, DICK A. M.
Gravity effects on cells 11 p1749 N91-19618
MESSENGER, A.
Effects of anthropometric and postural variables on the transmission of whole-body vertical vibration from seat-to-head
[ISVR-TR-172] 05 p0697 N91-13884
MESSER, RICHARD SCOTT
Control effort associated with model reference adaptive control for vibration damping 14 p2229 N91-22329
MESSEROTTI, M.
An unusual case of meter wave type-3 bursts leading millimeter-wave bursts
[INPE-5140-PRE/1628] 13 p2183 N91-22064
MESSERSCHMIDT, D.
Verification of short term (test period) quantitative precipitation forecasts for five regions
[KNMI-TR-126] 14 p2290 N91-22664
MESSERSMITH, JEAN M.
Cartographic issues in the development of a digital GRASS database
[AD-A227582] 08 p1166 N91-16416
MESSICK, L. J.
Submicron gate InP power MISFET's with improved output power density at 18 and 20 GHz
18 p2977 N91-26436
MESSIDORO, P.
Protoflight approach to LAGEOS 2 environmental test campaign 07 p0950 N91-15213
Data-based verification control of the tethered satellite
07 p0950 N91-15215
Correlation of the Olympus thermal model using IR test data 07 p0953 N91-15240
IRIS spin and deployment test
07 p0956 N91-15261
MESSIDORO, PIERO
Magnetic cleanliness verification approach on tethered satellite 11 p1662 N91-19158
MESSINA, N. A.
Adiabatic compression initiation characteristics of liquid propellant nitromethane under dynamic fill conditions
[AD-A225626] 04 p0510 N91-12835
MESSITER, A. F.
Hypersonic aerodynamics and control
[AD-A225058] 03 p0301 N91-11678
MESTHA, L. K.
A controlled master frequency oscillator for the SSC low energy booster
[DE91-011004] 15 p2418 N91-23391
Sliding mode controller of RF cavity tuning loop
[DE91-015461] 21 p3498 N91-29410
MESZAROS, STEPHEN PAUL
Supplement to photographic catalog of selected planetary size comparisons
[NASA-CR-4379] 17 p2916 N91-26100
MESZTENYI, CHARLES K.
NFEARS: A nonlinear adaptive finite element solver. Part 2: User's manual
[AD-A234416] 18 p3050 N91-26842
METAIS, O.
Spectral large-eddy simulation of isotropic and stably-stratified turbulences 23 p3867 N91-31567
Large-eddy simulation of the turbulent flow in the downstream region of a backward facing step
23 p3867 N91-31568
METAUER, G.
Mechanical and metallurgical aspects of warm temperature forcing
[CETIM-105430] 12 p1868 N91-20263
METCALF, JAMES I.
Mesoscale features of a winter storm: Dual Doppler velocity fields and differential reflectivity
[AD-A227342] 06 p0850 N91-14692
METCALF, KENNETH J.
Issues concerning centralized versus decentralized power deployment
[NASA-CR-187121] 20 p3366 N91-28648
METCALF, THOMAS ROBERT
Flare heating and ionization of the low solar chromosphere 06 p0930 N91-15116
METCALF, WILLIAM
Research in elementary particle physics
[DE90-017278] 01 p0120 N91-10708
METCALFE, L.
The Infrared Space Observatory (ISO)
10 p1618 N91-18923
METHFESSEL, S.
Segregation behaviour of rare earths under microgravity and normal gravity conditions (TEXUS 13)
23 p3839 N91-31407
METIK, L.
Observational effects of interaction in the Seyfert galaxy NGC 7469 08 p1254 N91-16906
METIVAUD, GUY
Aerocoat thermal protections
[REPT-911-430-102] 15 p2388 N91-23217
METIVET, BRIGITTE
Spectral multi-domain approximation of the Navier-Stokes equations in curved complex geometries
[ESA-TT-1130] 22 p3678 N91-30479
METT, R. R.
Steady-state dynamo and current drive in a nonuniform bounded plasma
[DE91-014865] 20 p3421 N91-28974
Kinetic theory of RF current drive and helicity injection
[DE91-017388] 24 p4106 N91-32946
METTE, HERBERT L.
European cooperative programs and the US
[AD-A231799] 14 p2260 N91-22501
METTU, SAMBI R.
Behavior of surface and corner cracks subjected to tensile and bending loads in Ti-6Al-4V alloy
[NASA-TM-102165] 11 p1683 N91-19273
METZE, WOLFGANG
Simulation of distance-dependent functions in visual systems for training simulators using the z-buffer technique
[MBB-UA-1190-90-PUB] 23 p3798 N91-31186
METZGER, E. J.
Notes on the NOARL nowcast for the 1989 to 1990 El Nino forced by FNOC winds
[AD-A223520] 02 p0242 N91-11347
A 1/8 degree model of the north Pacific Ocean
[AD-A228957] 09 p1369 N91-17526
METZGER, ROBERT M.
Ultra thin film characterization of the organic rectifier project
[AD-A236360] 19 p3254 N91-28005
METZIG, GUNTHARD
In situ measurements of light extinction of stratospheric aerosols 24 p4034 N91-32541
METZINGER, K.
Bobbin stresses generated by wire winding
[DE91-009545] 15 p2442 N91-23526
METZLER, S.
Measurement techniques for cryogenic Ka-band microstrip antennas
[NASA-TM-105183] 22 p3668 N91-30426
MEULENBERG, A.
Gallium Arsenide solar cell radiation damage experiment 22 p3638 N91-30241
Workshop summary: Space environmental effects
22 p3639 N91-30251
MEULSTEE, C.
The usefulness of MSS pictures for mapping and biomass estimation of macro-algae and seaweed in the Eastern Scheldt
[BCRS-90-09] 08 p1168 N91-16428
MEUNIER, C.
Fiber optic magnetic field sensor using spectral modulation encoding
[ETN-91-98619] 10 p1527 N91-18407
MEURON, BRUCE R.
Air-Surface-Missile data link system
[AD-D014920] 22 p3662 N91-30385
MEUSER, R. B.
Shell hoop prestress generated by welding
[DE91-011892] 18 p3001 N91-26571
MEYER, A.
New technologies for integrating thermal control, and radiation protection in hybrid technology
24 p3996 N91-32330
MEYER, BRADLEY S.
A new site for the astrophysical gamma-process
[DE90-017519] 02 p0292 N91-11635
MEYER, BRIAN E.
Ventral segmented nozzles
[CA-PATENT-APPL-SN-2-009-636]
23 p3796 N91-31176
MEYER, CLAUDIA M.
The application of neural networks to the SSME startup transient
[NASA-CR-187138] 15 p2386 N91-23205
Space engine safety system
[NASA-CR-187219] 23 p3803 N91-31209
MEYER, DAVID LEE
OPTIC: Orbiting Plutonian Topographic Image Craft proposal for an unmanned mission to Pluto
08 p1102 N91-16049
MEYER, F. W.
Electron emission during multicharged ion-surface interactions
[DE91-000615] 04 p0581 N91-13240
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
Electron capture in very low energy collisions of multicharged ions with H and D in merged beams
[DE91-015617] 21 p3579 N91-29909
MEYER, FRIEDRICH
Numerical simulation of transition in three dimensional boundary layers
[ESA-TT-1203] 15 p2427 N91-23442
MEYER, G.
Contact angle determination procedure and detection of an invisible surface film 12 p1859 N91-20212
Macular bioaccelerometers on Earth and in space
17 p2819 N91-25580
MEYER, HOWARD R., JR.
Studies of thin film chemical sensors using the quartz crystal microbalance
[AD-A224681] 03 p0369 N91-12066
MEYER, J.-T.
The DLR plume simulation facility
07 p0957 N91-15265
MEYER, L. G.
Sustained flight operations in Navy P-3 aircraft
[AD-A226412] 04 p0479 N91-12672
MEYER, LOTHAR W.
Formation of controlled adiabatic shear bands in AISI 4340 high strength steel
[AD-A230999] 13 p2053 N91-21300
MEYER, M.
D.C. magnetron sputtering of oxidation-resistant Cr and CrN films/monitored by optical emission spectrometry
[MBB-Z-0318-90-PUB] 07 p0978 N91-15366
Magnetron sputtering on 3-dimensional shaped components: Coating less accessible parts through substrate motion
[MBB-Z-0308-90-PUB] 22 p3651 N91-30320

MEYER, MARION
Temporal variation of areas occupied by aquatic macrophytes in the Tucurui reservoir through Landsat/TM data
[INPE-5174-PRE/1643] 13 p2108 N91-21607
MEYER, MEINHARD
Application of functional gradient materials in the aerospace industry
[MBB-Z-0320-90-PUB] 11 p1690 N91-19311
MEYER, MICHAEL L.
Technical prospects for utilizing extraterrestrial propellants for space exploration
[NASA-TM-105263] 23 p3821 N91-31318
MEYER, P. K.
Small Engine Component Technology (SECT) studies
[NASA-CR-175080] 16 p2561 N91-24206
MEYER, PETER
Cosmic Ray Nuclei (CRN) detector investigation
[NASA-CR-184137] 13 p2183 N91-22063
MEYER, R.
In orbit performance of the TV-SAT/TDF-1 heat pipe system
[MBB-UO-0098-90-PUB] 03 p0364 N91-12039
MEYER, R. X.
The stability of a precessing vehicle with outflow
[AD-A235957] 19 p3163 N91-27492
MEYER, RICHARD J.
Intelligent tutoring systems for systems engineering methodologies
[NASA-CR-188586] 16 p2672 N91-24791
MEYER, ROBERT A.
Northeast Artificial Intelligence Consortium (NAIC). Volume 4: Distributed artificial intelligence for communications network management
[AD-A234883] 18 p3046 N91-26818
Northeast Artificial Intelligence Consortium (NAIC). Volume 5: Distributed planning for dynamic environments in the presence of time constraints
[AD-A234884] 18 p3046 N91-26819
MEYER, ROBERT R., JR.
Effects of wing sweep on in-flight boundary-layer transition for a laminar flow wing at Mach numbers from 0.60 to 0.79
[NASA-TM-101701] 16 p2628 N91-24555
Effects of wing sweep on boundary-layer transition for a smooth F-14A wing at Mach numbers from 0.700 to 0.825
[NASA-TM-101712] 16 p2629 N91-24556
MEYER, ROGER
National test bed concept 20 p3298 N91-28241
MEYER, S.
Manufacture and evaluation of Li/BCX DD cells
[NASA-CR-185610] 04 p0517 N91-12874
MEYER, SAM
Civil tiltrotor missions and applications
[NASA-CR-177452] 05 p0617 N91-13424
MEYER, T. G.
Notched fatigue of single crystal PWA 1480 at turbine attachment temperatures 16 p2582 N91-24310
MEYER, THOMAS J.
Homogeneous solution electrocatalysts for CO2 reduction
[AD-A231921] 14 p2243 N91-22409
MEYER, TOM
Atmospheric water on Mars, energy estimates for extraction 17 p2912 N91-26075
MEYER, W. J.
Phased-array antenna control by a monolithic photonic integrated circuit
[DE91-010479] 14 p2258 N91-22490
Direct optical phase shifter for phased-array systems
[DE91-010480] 14 p2327 N91-22857
MEYER, WERNER
Doppler spectra from incoherent backscatter: Principles and examples of application for POLDIRAD
[ESA-TT-1197] 03 p0357 N91-11994
MEYER, WILLIAM V.
Development of a versatile laser light scattering instrument
[NASA-CR-182474] 08 p1153 N91-16350
MEYERDIERKS, HORST
Molecules in an infrared cirrus cloud
06 p0900 N91-14977
MEYERER, WENDELL
XD(TM) reinforced beryllium-based composites
[AD-A233587] 16 p2590 N91-24355
MEYERS, CAROL A.
Thermal buckling and postbuckling of symmetrically laminated composite plates
[NASA-CR-188030] 13 p2100 N91-21560
MEYERS, JAMES F.
Frequency domain laser velocimeter signal processor
15 p2541 N91-24077
Generation of particles and seeding
23 p3875 N91-31618
Biasing errors and corrections
23 p3876 N91-31621
Review of typical applications: Wind tunnels
23 p3877 N91-31632
MEYERS, MARC A.
Formation of controlled adiabatic shear bands in AISI 4340 high strength steel
[AD-A230999] 13 p2053 N91-21300
MEYERS, STEVEN DAVID
Laboratory studies of coherent structures in quasi-geostrophic flows 22 p3706 N91-30627
MEYERS, T. P.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
MEYERSON, HARVEY
ISY Mission to Planet Earth Conference: A planning meeting for the International Space Year
[NASA-CR-188225] 19 p3183 N91-27601
MEYN, ERWIN H.
Post clamp
[NASA-CASE-LEW-14862-1] 06 p0835 N91-14617
Optical measurement of propeller blade deflections in a spin facility
[NASA-TM-103115] 09 p1274 N91-17002
MEYN, L. A.
F/A-18 1/9th scale model tail buffet measurements
[ARL-FLIGHT-MECH-R-188] 22 p3622 N91-30149
MEYYAPPAN, A.
Gabor zone plate apertures for imaging with the mercuric iodide gamma ray camera
[DE90-011193] 08 p1148 N91-16321
MEYYAPPAN, M.
Numerical simulation of the comparative electrical performance of the permeable base transistor, opposed gate-source transistor and heterostructure launched ballistic field effect transistor
[AD-A228545] 08 p1128 N91-16202
MEZGER, P. G.
High resolution observations of compact H II regions at 230 GHz 06 p0896 N91-14954
MEZZA, THOMAS M.
Improved boron for enhanced combustion
[AD-A236564] 19 p3144 N91-27379
MIAN, ARSHAD
Telescience testbedding: Technical and operational requirements for an international capability
14 p2223 N91-22292
MICCI, MICHAEL M.
Optical diagnostic investigation of low Reynolds number nozzle flows 20 p3297 N91-28233
MICHAEL, GERRY
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
MICHAEL, J. R.
Application of parallel computing to the Monte Carlo simulation of electron scattering in solids: A rapid method for profile deconvolution
[DE91-001227] 05 p0713 N91-13980
Grain boundary chemistry in Al-Cu metallizations as determined by analytical electron microscopy
[DE91-012007] 18 p2957 N91-26319
X ray spatial resolution at intermediate voltages: An assessment by massively parallel Monte Carlo electron trajectory simulation
[DE91-012018] 20 p3399 N91-28841
The spatial resolution of x ray microanalysis in thin foils
[DE91-011949] 20 p3426 N91-29003
Quantitative analysis of oxygen segregation on inversion domain boundaries in aluminum nitride
[DE91-010869] 21 p3590 N91-29971
MICHAELS, A. I.
DOE-OTM tribology program
[DE91-010995] 17 p2784 N91-25405
MICHAL, GARY M.
Graphite/copper alloy interfacial energies determined using the sessile drop method
[NASA-CR-187087] 12 p1871 N91-20284
MICHALAK, M.
Monolithic CFC-main landing gear door for Tornado
[MBB/FE212/CFK/PUB/014/1] 19 p3104 N91-27150
MICHALAKES, J. G.
Analysis of workload and load balancing issues in the NCAR community climate model
[DE91-008052] 11 p1734 N91-19534
MICHALITSIANOS, A. G.
C IV: Line profile correlations in NGC 4151
09 p1444 N91-17963
MICHALSKE, T. A.
Adhesion at ceramic interfaces
[DE91-001660] 06 p0811 N91-14480
MICHALSKI, K. A.
Radiation, scattering, and guidance of electromagnetic fields by arbitrarily shaped structures embedded in layered dielectric media
[AD-A234434] 18 p2975 N91-26423
MICHALSON, BILL
Translating expert system rules into Ada code with validation and verification
[NASA-CR-187505] 18 p3043 N91-26800
MICHARD, PIERRE-JAQUES
Theoretical study of the flow in a rotating duct. Experimental study through flow visualization in a curved duct
[RAE-TRANS-2189] 21 p3511 N91-29493
MICHAUD, L. J.
Postural changes following sensory reinterpretation as an analog to spaceflight 11 p1748 N91-19610
MICHEL, ROLF
Proceedings of a Workshop on Cosmogenic Nuclide Production Rates
[NASA-CR-185349] 05 p0734 N91-14098
MICHELASSI, V.
Implicit solution of three-dimensional internal turbulent flows 13 p2015 N91-21082
Low Reynolds number two-equation modeling of turbulent flows
[NASA-TM-104368] 15 p2422 N91-23416
MICHELOTTI, L.
A note on the automated differentiation of implicit functions
[DE91-015104] 21 p3565 N91-29816
MICHELS, H. H.
Theoretical investigation leading to energy storage in atomic and molecular systems
[AD-A231275] 13 p2151 N91-21858
MICHELS, JAMES H.
Synthesis of multichannel autoregressive random processes and ergodicity considerations
[AD-A226493] 04 p0574 N91-13187
Multichannel linear prediction and its association with triangular matrix decomposition
[AD-A230052] 12 p1969 N91-20831
MICHL, JOSEF
Structure and properties of novel compounds of silicon, germanium, and tin
[AD-A232892] 16 p2597 N91-24393
MICKEAL, JAMES F.
High speed digital direct access filter for tracking or excision of parametric signal data
[PATENT-1-271-231] 23 p3858 N91-31511
MICKELER, SIEGFRIED
Problems of static divergence concerning the rpm regulation of wind turbines using centrifugal force controlling means and rotating slat
[ETN-90-97858] 02 p0229 N91-11281
Development of single blade rotor wind energy converters: From M400 prototype to MON 50 preseries
[MBB-UE-0015-90-PUB] 23 p3889 N91-31705
MICKELSEN, R. A.
Progress in GaAs/CuInSe2 tandem junction solar cells
11 p1667 N91-19190
MICKELSON, ALAN R.
An investigation of optically controlled, integrated millimeter wave receiving phased arrays
[AD-A239504] 23 p3863 N91-31538
MICKENS, RONALD E.
Construction of stable explicit finite-difference schemes for Schroedinger type differential equations
19 p3268 N91-28073
MICKIEWICZ, ALEXANDER P.
Computer-assisted determination of minimum energy conformations. Part 4: Alpha1 and alpha2 adrenergiic compounds
[AD-A226811] 08 p1110 N91-16097
MICKLICH, B. J.
The measurement of gamma heating in a fusion blanket test assembly
[DE90-011154] 08 p1227 N91-16766
MICKLOS, RICHARD P.
Effect of wind over deck conditions on aircraft approach speeds for carrier landings
[AD-A239511] 23 p3791 N91-31141
MIDDELDORP, AART
Confluence of the disjoint union of conditional term rewriting systems
[CWI-CS-R8944] 03 p0403 N91-12243
Termination of disjoint unions of conditional term rewriting systems
[CWI-CS-R8959] 03 p0404 N91-12252
Unique normal forms for disjoint unions of conditional term rewriting systems
[CWI-CS-R9003] 03 p0405 N91-12253
Completeness of combinations of constructor systems
[CWI-CS-R9058] 17 p2849 N91-25748

MIDDLETON, DAVID
Spectra and covariances for classical nonlinear signal processing problems involving class A non-Gaussian noise
[AD-A237388] 21 p3498 N91-29413
MIDDLETON, DAVID B.
Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13854-1-CU] 23 p3787 N91-31120
MIDOLLINI, B.
Evaluation of the optimal homing point for missile guidance 17 p2733 N91-25135
MIDORIKAWA, S.
Atmospheric neutrino fluxes
[DE90-508023] 02 p0295 N91-11656
MIEGE, B.
Study of the effects of post heat treatment on the residual stresses in electron beam welds of tanks shell in titanium 03 p0328 N91-11830
MIELE, A.
Optimal trajectories of aircraft and spacecraft 02 p0167 N91-10968
Gamma guidance of trajectories for coplanar, aeroassisted orbital transfer
[NASA-CR-187732] 06 p0789 N91-14365
Properties of the optimal trajectories for coplanar, aeroassisted orbital transfer
[NASA-CR-187733] 06 p0789 N91-14366
Decomposition technique and optimal trajectories for the aeroassisted flight experiment
[NASA-CR-187734] 06 p0790 N91-14367
Guidance trajectories for aeroassisted orbital transfer
[NASA-CR-187735] 06 p0790 N91-14368
MIELE, ANGELO
Optimization and guidance of flight trajectories for the national aerospace plane
[NASA-CR-187837] 08 p1095 N91-16010
Optimal trajectories for an aerospace plane. Part 2: Data, tables, and graphs
[NASA-CR-187848] 08 p1095 N91-16011
Optimal trajectories for an aerospace plane. Part 1: Formulation, results, and analysis
[NASA-CR-187868] 08 p1095 N91-16013
MIELKE, MICHAEL
Project of a cost analysis model for the acquisition of a permanent lunar base
[ILR-MITT-245(1990)] 11 p1653 N91-19114
MIELKE, R.
Algorithm To Architecture Mapping Model (ATAMM) multicomputer operating system functional specification
[NASA-CR-4339] 09 p1325 N91-17277
MIELKE, ROLAND R.
Strategies for concurrent processing of complex algorithms in data driven architectures
[NASA-CR-187450] 12 p1890 N91-20395
ATAMM enhancement and multiprocessor performance evaluation
[NASA-CR-188495] 16 p2672 N91-24788
MIESCKE, KLAUS J.
On combining selection and estimation in the search for the largest binomial parameter
[AD-A226595] 05 p0709 N91-13953
MIESEN, ROBERTUS HENRICUS MARGARETHA
Internal solitary waves in compressible fluids
[ETN-91-98475] 08 p1146 N91-16307
MIETRACH, DIETMAR
AGARD handbook on advanced casting
[AGARD-AG-299] 17 p2764 N91-25302
MIFFLIN, ROBERT
Rapidly convergent algorithms for nonsmooth optimization
[AD-A231110] 13 p2135 N91-21756
MIFTACH, F. E. H.
The space station as a transport node
[BU-510] 14 p2234 N91-22361
MIGLIORANZA, ELIANA
Production of image proportions through a linear mixing model
[INPE-5170-PRE/1639] 13 p2110 N91-21615
MIGLIORI, A.
Molecular crystals and localized vibrational states
[DE90-010602] 08 p1231 N91-16786
MIGLIORI, ALBERT
Analysis of bond quality by resonant ultrasound
[DE91-000439] 05 p0673 N91-13743
MIGNOSA, LARRY
Brake lock mechanism for the two axis pointing system 16 p2640 N91-24608
MIILLER, A. P.
A dynamic technique for measuring surface tension at high temperatures in microgravity environment 13 p2061 N91-21347
MIJUIN, D.
Measurements of proton upset induced in CMOS devices: Synthesis of CEA studies 24 p4000 N91-32356
MIKALOPAS, J.
First principles calculation of phase stability of high temperature intermetallic alloys
[DE91-008570] 12 p1871 N91-20282
MIKHAIL, AMEER G.
Spike-nosed projectiles: Computations and dual flow modes in supersonic flight
[AD-A226433] 04 p0471 N91-12641
MIKHAYLOV, N.
Semenov discusses benefits from Mir Program, shuttle versus ELVs, conversion 12 p1850 N91-20168
MIKHAYLOV, V. M.
Relationship between orthostatic stability and post-space flight vestibular function in man 10 p1561 N91-18586
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
Functional testing during yearlong antiorthostatic hypokinesia 19 p3208 N91-27732
MIKHAYLOV, V. P.
Passive mode locking in optically pumped Al2O3:Ti(3+) laser 11 p1787 N91-19803
MIKHAYLOV, V. YU.
Intracavity second-harmonic generation by laser with optical delay line and mode locking 11 p1788 N91-19808
MIKHAYLOV, YU. N.
Laser
[AD-A225393] 03 p0371 N91-12079
MIKHODUY, L. I.
Properties of high-cleanness high-strength steel 12GN2MFAYu 19 p3132 N91-27309
MIKI, CHIHIRO
Precise measurement method for ionospheric total electron content using signals from GPS satellites 17 p2853 N91-25774
MIKIRTYCHYANTS, S. M.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
MIKKELSEN, T.
Aerial smoke plume observations and surface-layer turbulence measurements. Part 2: Wind and temperature spectral analysis. Phase 4: Dispersion study: AMADEUS
[AD-A229291] 09 p1368 N91-17520
MIKKOLA, SEPPO
The 1990 MB: The first Mars Trojan 17 p2894 N91-25996
MIKLICH, A. H.
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981
High-T(sub c) thin-film microelectronics
[DE91-012340] 20 p3425 N91-28997
MIKLOSOVIC, DAVE
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
MIKOLAISKI, HANS-WERNER
Synthetic models for nutation of a deformable Earth model
[SER-C-354] 09 p1364 N91-17498
MIKULAS, MARTIN M., JR.
Mechanical end joint system for connecting structural column elements
[NASA-CASE-LAR-14465-1] 06 p0835 N91-14614
Buckling and vibration analysis of a simply supported column with a piecewise constant cross section
[NASA-TP-3090] 12 p1910 N91-20503
Conceptual design of a multiple cable crane for planetary surface operations
[NASA-TM-104041] 14 p2225 N91-22306
MIKULSKI, BARBARA
Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriation Bill, 1991
[S-REPT-101-474] 11 p1815 N91-19966
MILAM, D.
Optical characterization of damage resistant kilolayer rugate filters
[DE91-006245] 09 p1408 N91-17747
MILAM, LAURA J.
The test facility requirements for the thermal vacuum thermal balance test of the Cosmic Background Explorer Observatory 11 p1657 N91-19128
MILAM, M. BRUCE
Coupling device with improved thermal interface
[NASA-CASE-GSC-13251-1] 20 p3355 N91-28582
MILAM, MALCOLM BRUCE
Connection space reduction mechanism
[NASA-CASE-GSC-13220-1] 13 p2093 N91-21525
MILANOVICH, F.
Damage resistant optics for a mega-joule solid-state laser
[DE91-006246] 09 p1343 N91-17376
MILANOVICH, F. P.
Preliminary field demonstration of a fiber-optic TCE sensor
[DE91-008453] 13 p2089 N91-21498
MILBURN, R. H.
High energy physics at Tufts University
[DE91-015055] 21 p3579 N91-29908
MILEANT, A.
Overview of arraying techniques in the deep space network 10 p1512 N91-18319
MILES, JEFFREY HILTON
Improved visualization of flow field measurements
[NASA-TM-103679] 11 p1640 N91-19044
MILES, M. J.
Design of experiments to quantify communication satellite system performance
[PB91-129635] 13 p2069 N91-21395
MILES, R.
Proof-of-concept zinc/bromine electric vehicle battery
[DE91-011767] 18 p2981 N91-26463
MILES, R. B.
Investigation of supersonic boundary layer transition and turbulent structure
[AD-A225996] 04 p0471 N91-12637
MILES, RICHARD H.
Possibilities for LWIR detectors using MBE-grown Si(/Si(1-x)Ge(x) structures 06 p0796 N91-14400
InAs/Ga(1-x)In(x)Sb superlattices for infrared detector applications 06 p0798 N91-14407
MILESHKINA, N. V.
Single-crystal growth of gold on the tungsten autocathode
[AD-A225260] 03 p0424 N91-12377
MILEY, G. H.
An approach to space power 14 p2200 N91-22147
MILEY, GEORGE H.
CTR plasma engineering studies
[DE90-017774] 02 p0273 N91-11534
Space fusion energy conversion using a field reversed configuration reactor: A new technical approach for space propulsion and power 20 p3294 N91-28217
MILEY, GEORGE K.
The nature of the emission-line nebulae in powerful far-infrared galaxies 08 p1256 N91-16916
MILEY, T. B.
Multimedia Environmental Pollutant Assessment System (MEPAS) sensitivity analysis of computer codes
[DE90-010005] 08 p1171 N91-16445
MILGROME, O.
Test results of a 90 MHz integrated circuit sixteen channel analog pipeline for SSC detector calorimetry
[DE91-009773] 13 p2076 N91-21436
MILHAUD, CLAUDE
Preliminary studies before defining a payload adapted to the primate model
[ETN-90-97581] 01 p0018 N91-10107
Preliminary studies before defining a payload adapted to the primate model 11 p1754 N91-19648
Review of EEG studies in non human primates exposed to microgravity 11 p1754 N91-19649
MILICH, L.
Regional oxidant model user's guide. Part 3: The core model
[PB91-171942-PT-3] 19 p3188 N91-27627
Regional oxidant model user's guide. Part 1: The ROM preprocessors
[PB91-171926] 20 p3369 N91-28665
Regional oxidant model user's guide. Part 2: The ROM processor network
[PB91-171934] 20 p3369 N91-28666
MILILLO, G.
An introduction to old and new SAR interferometric techniques 07 p0992 N91-15445
MILLAR, TOM J.
Interstellar chemistry and submillimetre astronomy 13 p2177 N91-22021
MILLER, A. C.
Mechanisms and controlling characteristics of the catalytic oxidation of methane
[DE91-008033] 11 p1681 N91-19263
MILLER, A. J.
SBUV/2 comparisons with ground-based and SBUV spacecraft data 11 p1731 N91-19521
MILLER, ALLEN
RF lockout circuit for electronic locking system
[AD-D014887] 19 p3155 N91-27442
MILLER, ALLEN R.
Exact result for the grazing angle of specular reflection from a sphere
[AD-A239578] 23 p3928 N91-31952

MILLER, ANDRE E.
Thermally isolated deployable shield for spacecraft
[NASA-CASE-MFS-28524-1] 17 p2741 N91-25167
MILLER, B. G.
Small Ex-core Heat Pipe Thermionic Reactor concept (SEHPTR)
[DE91-014073] 20 p3303 N91-28279
MILLER, C. M.
High efficiency resonance ionization mass spectrometric analysis by external laser cavity enhancement techniques
[DE91-007494] 12 p1867 N91-20259
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264
MILLER, C. O.
The near ultraviolet spectra of comets P/Brorsen-Metcalf and Austin 12 p2003 N91-21022
MILLER, CHRISTOPHER J.
Ultra-high bypass research 12 p1841 N91-20117
MILLER, CLYDE A.
Flight operations and air traffic management integration 24 p3958 N91-32122
MILLER, D. J.
Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801
Phase equilibria in the Bi-Sr-Ca-Cu-O system near the Bi2Sr2Ca1Cu2(y) superconductor at 865 C in oxygen
[DE91-008831] 12 p1993 N91-20969
MILLER, D. L.
An exact algorithm for funding undirected Hamiltonian cycles based on a two-matching problem relaxation
[AD-A237241] 21 p3555 N91-29753
An exact two-matching based branch and bound algorithm for the symmetric traveling salesman problem
[AD-A237878] 21 p3566 N91-29823
MILLER, D. P.
The design/analysis of flows through turbomachinery: A viscous/inviscid approach
[NASA-TM-104447] 17 p2736 N91-25148
MILLER, DAVID B.
The response of MOV and SiC arresters to steep-front longer duration current pulses
[DE90-008572] 09 p1325 N91-17275
MILLER, DAVID P.
Implementation of control point form of algebraic grid-generation technique
[NASA-TM-103748] 11 p1642 N91-19054
The real-time control of planetary rovers through behavior modification 12 p1942 N91-20686
Mini-rovers for Mars explorations 14 p2203 N91-22167
MILLER, DAVID T.
Mesoscale convective complexes in the Western Pacific region
[AD-A231159] 14 p2287 N91-22648
MILLER, DONALD G.
Equal eigenvalues in multicomponent diffusion: The extraction of diffusion coefficients from experimental data in ternary systems
[DE90-012074] 01 p0024 N91-10142
MILLER, DOUGLAS P.
Introduction of a current waveform, waveshaping technique to limit conduction loss in high-frequency dc-dc converters suitable for space power
[AD-A237903] 21 p3507 N91-29465
MILLER, E. K.
Low-frequency computational electromagnetics for antenna analysis
[DE91-007384] 10 p1516 N91-18345
Assessing the impact of large-scale computing on the size and complexity of first-principles electromagnetic models
[DE91-007491] 11 p1694 N91-19333
The statistical properties of electromagnetic fields with application to radiation and scattering
[DE91-007467] 15 p2411 N91-23351
MILLER, E. L.
Interferometric results from Boeing grazing incidence ring resonator FEL
[DE91-016305] 24 p4023 N91-32484
MILLER, EMMETT
Survey of results from the Boeing modules on the M0003 experiment on LDEF 16 p2718 N91-25048
LDEF electronic systems: Successes, failures, and lessons 16 p2724 N91-25085
MILLER, ETHAN L.
Input/output behavior of supercomputing applications
[NASA-CR-187956] 10 p1570 N91-18633
MILLER, FRANK W.
Network interface unit design options performance analysis
[NASA-TM-104735] 16 p2672 N91-24792
MILLER, G.
Fast electron studies in the ZT-40M edge plasma
[DE91-002323] 06 p0875 N91-14838
MILLER, G. A.
Strength and toughness of tailored ceramic microstructures
[AD-A232911] 16 p2605 N91-24433
Color transparency: Enchantment and effort
[DE91-016951] 24 p4097 N91-32890
MILLER, GERALD D.
An overview of the active flexible wing program 14 p2229 N91-22332
Roll plus maneuver load alleviation control system designs for the active flexible wing wind-tunnel model 14 p2230 N91-22335
MILLER, GLENN
Long range science scheduling for the Hubble Space Telescope 14 p2313 N91-22775
MILLER, GUTHRIE
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739
Measurement of magnetic fluctuations on ZT-40(M)
[DE91-001899] 05 p0719 N91-14010
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
MILLER, HAROLD V.
Comparison of thematic mapper and NOARL scanner multispectral bathymetry estimates
[AD-A226273] 04 p0542 N91-13007
MILLER, HARVEY I.
Metabolic changes and hemodynamic dysfunction following hypothermic shock
[AD-A233942] 18 p3027 N91-26713
MILLER, HERMAN C.
Comparison of Atlantic coast wave information study hindcasts with field research facility gage measurements
[AD-A229515] 22 p3711 N91-30656
MILLER, IRVIN M.
Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB] 13 p2048 N91-21270
MILLER, J. B.
Nuclear magnetic resonance imaging with short gradient pulses
[AD-D014910] 19 p3178 N91-27573
MILLER, J. D.
Pulse shaping a high-current relativistic electron beam in vacuum
[AD-A230674] 12 p1977 N91-20876
MILLER, J. H.
Manipulation hardware for microgravity research
[NASA-TM-103423] 06 p0814 N91-14498
MILLER, J. R.
A model for the prediction of Nb3Sn critical current as a function of field, temperature, strain, and radiation damage
[DE91-000656] 08 p1229 N91-16775
MILLER, JAMES
Proceedings of the Optoelectronic Workshop 25: Liquid Crystal Materials and Devices for Opto-Electronic Applications
[AD-A233780] 18 p3063 N91-26921
MILLER, JAMES ANTHONY
Ion and relativistic-electron acceleration and transport, and gamma-ray production, in solar flares 07 p1086 N91-15970
MILLER, JAMES B.
Linear mass actuator
[NASA-CASE-LAR-14352-1] 24 p4028 N91-32511
MILLER, JAMES D.
Auditory-acoustic basis of consonant perception. Attachments A thru I
[AD-A233041] 16 p2663 N91-24734
MILLER, JAMES G.
Physical interpretation and application of principles of ultrasonic nondestructive evaluation of high-performance materials
[NASA-CR-180489] 01 p0049 N91-10293
MILLER, JEFF
Integration of sneak analysis with design, volume 1
[AD-A226902] 06 p0822 N91-14543
MILLER, JEFFREY H.
The dynamic effects of internal robots on Space Station Freedom
[NASA-TM-104345] 14 p2279 N91-22604
MILLER, JOEL B.
Planar imaging by nuclear magnetic resonance
[AD-D014711] 10 p1591 N91-18771
MILLER, JOHN C.
Resonance ionization spectroscopy of molecular clusters using picosecond lasers
[DE90-017334] 02 p0193 N91-11080
Picosecond multiphoton ionization of atomic and molecular clusters
[DE91-000641] 08 p1110 N91-16096
MILLER, JOHN R.
Puzzles of electron transfer
[DE90-010541] 08 p1220 N91-16720
Capattery double layer capacitor life performance
[DE91-006639] 11 p1697 N91-19344
MILLER, JONATHAN
Statistical mechanics of two-dimensional Euler equations and Jupiter's Great Red Spot 21 p3512 N91-29498
MILLER, K.
Moving finite elements: A continuously adaptive method for computational fluid dynamics
[DE91-013391] 20 p3343 N91-28513
MILLER, K. L.
Neutral winds derived from IRI parameters and from the HWM87 wind model for the sundial campaign of September, 1986
[NASA-TM-103445] 01 p0093 N91-10543
MILLER, K. M.
A central refrigeration system to support multiple environmental test chambers: Design, development, and evaluation
[DE91-004997] 10 p1507 N91-18295
MILLER, KATHERINE S.
Object-oriented software requirements specification for the UH-1 helicopter flight simulator
[AD-A225041] 03 p0317 N91-11774
MILLER, KENNETH S.
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
MILLER, KEVIN J.
Workstation technology for engineering mission operations at the Jet Propulsion Laboratory 14 p2219 N91-22265
MILLER, L. A.
Molecular dynamics simulations of bulk displacement threshold energies in Si
[DE91-011957] 20 p3400 N91-28846
MILLER, L. L.
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506
MILLER, L. SCOTT
Aerodynamics support of research instrument development 04 p0597 N91-13331
MILLER, LARRY L.
Mixed valence in conjugated anion radicals. Solution and solid state studies
[AD-A236428] 19 p3255 N91-28006
MILLER, LEROY J.
Applications research studies on microtubules
[AD-A228756] 08 p1128 N91-16205
MILLER, M. D.
The effect of ionization on the infrared absorption spectra of PAHs: A preliminary report 06 p0894 N91-14937
MILLER, M. K.
Precipitation in Alloy 718: A combined AEM and APFIM investigation
[DE91-009918] 18 p2956 N91-26314
APFIM characterization of the spinodal decomposition in duplex stainless steels
[DE91-014256] 20 p3319 N91-28371
MILLER, MARK J.
Lightweight payload for high altitude balloons
[AD-A236242] 19 p3101 N91-27134
MILLER, MARTIN S.
Condensed-phase processes during solid propellant combustion. 1: Preliminary chemical and microscopic examination of extinguished propellant samples
[AD-A225581] 03 p0347 N91-11943
Heats of explosion at low pressures, 2
[AD-A231020] 13 p2058 N91-21328
Combustion tests of black-powder substitutes for the hand-held signal flare
[AD-A231501] 13 p2058 N91-21330
MILLER, MICHAEL COLEMAN
Radiative transfer in very strong magnetic fields 20 p3443 N91-29106
MILLER, MICHELLE A.
Interpretation of conditional probabilities in probabilistic interference word problems
[AD-A226907] 06 p0867 N91-14797
MILLER, P.
Langmuir-Blodgett films of aromatic Schiff's bases functionalized in the side chains of polymethacrylate
[AD-A235858] 19 p3139 N91-27347
The monomolecular organization of a photodynamic protein system through specific surface recognition of streptavidin to biotinylated LB films
[AD-A235859] 19 p3139 N91-27348

Optical characterization and patterning of nonlinear optical polymers with photocrosslinking groups
[AD-A235861] 19 p3140 N91-27349
Steady state and transient photoconductivity of thin film polydiacetylene single crystals
[AD-A235854] 19 p3252 N91-27990
Photocross-linked second order nonlinear optical polymers
[AD-A235855] 20 p3321 N91-28385

MILLER, PETER
Internal gravity waves at abrupt topography. ARI: Flow over abrupt topography
[AD-A231756] 14 p2292 N91-22675

MILLER, R.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
Homogenization techniques and estimation of material parameters in distributed structures
[NASA-CR-187585] 19 p3235 N91-27887

MILLER, R. A.
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] 17 p2763 N91-25298
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-2] 24 p3979 N91-32229

MILLER, R. B.
Codeless GPS Applications to Multi-Path: CGAMP
03 p0352 N91-11967

MILLER, R. H.
An experimental study of counter-rotating cores in elliptical galaxies 08 p1259 N91-16934
SLC polarized beam source electron optics design
[DE91-012911] 20 p3404 N91-28869

MILLER, R. J.
Tropical cyclone track objective aids for the microcomputer: PCLM, XTRP, PCHP
[AD-A230851] 13 p2121 N91-21675

MILLER, R. J. D.
Femtosecond studies of surface electron transfer process at semiconductor interfaces
[DE91-010914] 17 p2872 N91-25886

MILLER, R. L.
ZTI: An ignition class reversed-field pinch
[DE91-000447] 04 p0584 N91-13260
ZTI: Preliminary characterization of an ignition class reversed-field pinch
[DE91-007353] 10 p1603 N91-18845
Ice ingestion experience on a small turboprop engine
23 p3794 N91-31162

MILLER, RICHARD D.
Helium resources of the United States, 1989
[PB91-110817] 09 p1364 N91-17497

MILLER, RICHARD K.
Concepts and analysis for precision segmented reflector and feed support structures
[NASA-CR-182064] 07 p0963 N91-15300
Influence of utility lines and thermal blankets on the dynamics and control of satellites with precision pointing requirements
[NASA-CR-4366] 14 p2234 N91-22359

MILLER, RICHARD L.
Specification and equivalence verification of sequential circuits via VHDL
[AD-A230554] 12 p1893 N91-20408

MILLER, ROBERT A.
Thermal barrier coating evaluation needs
[NASA-TM-103708] 07 p0982 N91-15390
Metallic seal for thermal barrier coating systems
[NASA-CASE-LEW-15020-1] 07 p0986 N91-15412
Method of applying a thermal barrier coating system to a substrate
[NASA-CASE-LEW-15020-2] 17 p2747 N91-25202

MILLER, RONALD J.
An investigation of the ERICA IOP-2 cyclone using the NORAPS model
[AD-A237683] 21 p3543 N91-29684

MILLER, RONALD W.
An evaluation of the NEKTON program
[AD-A237888] 21 p3514 N91-29513

MILLER, RUSSELL B.
Multi-input multi-output flight control system design for the YF-16 using nonlinear QFT and pilot compensation
[AD-A230465] 12 p1844 N91-20134

MILLER, S. D.
Optimized readout system for cooled optically stimulated luminescence
[DE91-000150] 03 p0424 N91-12372
Neutron dosimetry using optically stimulated luminescence
[DE91-015781] 21 p3578 N91-29902

MILLER, S. H.
On the use of an advanced image processing system for the automatic derivation of quantitative information from Meteosat images
[BCRS-90-16] 14 p2290 N91-22666

MILLER, S. L.
Total-dose degradation of thin film ferroelectric capacitors
[DE90-007152] 08 p1130 N91-16218
Properties and characterization of thin film ferroelectric capacitors for nonvolatile memories
[DE91-004037] 08 p1134 N91-16242
Thermal emission model for the anneal of radiation-induced trapped holes
[DE90-007285] 08 p1220 N91-16718
Aspects of fatigue and rapid depolarization in the film PZT capacitors
[DE91-014904] 21 p3509 N91-29484

MILLER, S. P.
Quantitative assessment of the slope resolution of seafloor mapping systems
[AD-A231776] 14 p2292 N91-22676

MILLER, STEVEN
Improved boron for enhanced combustion
[AD-A236564] 19 p3144 N91-27379

MILLER, STEVEN D.
A distributed user information system
[AD-A225362] 03 p0428 N91-12396

MILLER, T. A.
Microfilamentary Bi2Sr2Ca1Cu2O8 fibers
[DE90-018013] 02 p0279 N91-11571

MILLER, T. E.
A reliable multi-user distributive HF communications system using narrowband CDMA
22 p3661 N91-30381

MILLER, T. M.
Orbit transfer vehicle propulsion design: Trades and comparisons 16 p2573 N91-24260

MILLER, TERESA Y.
Protein crystal growth tray assembly
[NASA-CASE-MFS-28507-1] 15 p2514 N91-23933

MILLER, THOMAS J.
Nuclear rocket propulsion. NASA plans and progress, FY 1991
[NASA-TM-104455] 17 p2743 N91-25179

MILLER, TIM
Theoretical and experimental studies of baroclinic processes 08 p1184 N91-16512

MILLER, TIM L.
Global water cycle 24 p4056 N91-32661
Basic studies of baroclinic flows
24 p4056 N91-32662

MILLER, TIMOTHY L.
GEOSIM: A numerical model for geophysical fluid flow simulation
[NASA-TM-103528] 13 p2079 N91-21450

MILLER, V. R.
Electrochemical impedance spectroscopy study of corrosion of painted cold-rolled and electrogalvanized sheet steel for automotive use
[PB91-110718] 09 p1313 N91-17206

MILLER, W.
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195

MILLER, W. H.
Some new approaches to semiclassical and quantum transition state theory
[DE91-012345] 20 p3308 N91-28308

MILLER, W. M.
Thermal emission model for the anneal of radiation-induced trapped holes
[DE90-007285] 08 p1220 N91-16718

MILLER, W. O.
Superconducting Super Collider silicon tracking subsystem research and development
[DE91-009227] 13 p2152 N91-21862

MILLER, W. S.
Metallurgical design of novel metal matrix composites for aerospace applications
[ETN-91-98573] 08 p1107 N91-16077

MILLER, W. T., JR.
Frequency response calibration of recess-mounted pressure transducers
[NASA-TM-104031] 13 p2148 N91-21834

MILLER, WALTER E., JR.
Device and method for monitoring the presence of an object in space
[AD-D014621] 06 p0872 N91-14823

MILLER, WARNER
On the optimality of code options for a universal noiseless coder
[NASA-CR-187973] 11 p1775 N91-19734

MILLER, WILLIAM V.
Advanced material handling equipment controls
[AD-A235091] 18 p2995 N91-26540

MILLERET, G.
Measurements of proton upset induced in CMOS devices: Synthesis of CEA studies
24 p4000 N91-32356

MILLET, P.
ADENG, adhesive bonding technology for engineering applications: Computer aided design
[CETIM-105070] 05 p0703 N91-13917

MILLIER, VICKI A.
Cross-equatorial influences of a South American cold surge on the development of two Eastern North Pacific tropical cyclones
[AD-A227643] 07 p1030 N91-15653

MILLINGTON, MICHAEL JOHN
Integrated optics: Ion exchange optical waveguides
09 p1399 N91-17697

MILLIS, MALISE
Metamorphoses of ONAV console operations: From prototype to real time application
14 p2316 N91-22794

MILLIS, MARC G.
Exploring the notion of space coupling propulsion
14 p2202 N91-22161
Fiber-optic applications for space-based engines
[NASA-TM-105235] 24 p3967 N91-32163

MILLIS, RICHARD P.
Processing of YBA2Cu3O7 tapes from a molten salt precursor
[DE90-017656] 02 p0278 N91-11564

MILLIS, ROBERT L.
Photometric narrowband CCD imaging of comets P/Brorsen-Metcalf and Austin (1989c1)
12 p2001 N91-21014
The 15 years of comet photometry: A comparative analysis of 80 comets 17 p2896 N91-26004

MILLS, D. M.
Modeling the performance of water and liquid gallium cooled x ray optical components: A comparison with experiment
[DE90-010460] 08 p1231 N91-16784
A simple sagittal focusing crystal which utilizes a bimetallic strip
[DE91-017324] 24 p4111 N91-32975

MILLS, DAVID L.
Highball: A high speed, reserved-access, wide area network
[NASA-CR-188070] 12 p1964 N91-20804

MILLS, EVERALD E.
Software metrics
[AD-A236140] 20 p3383 N91-28744

MILLS, G. A.
Design of a high activity and selectivity alcohol catalyst
[DE91-010344] 16 p2598 N91-24401

MILLS, GEORGE T.
Video delta modulation encoder
[AD-D014833] 16 p2617 N91-24490

MILLS, K. C.
A literature review of inclusion removal by filtration and flotation
[NPL-DMM(A)-13] 24 p3974 N91-32201

MILLS, M. J
HRM investigation of the structure of the sigma 5(310)/zone axes (001) symmetric tilt grain boundary in Nb
[DE91-008571] 12 p1992 N91-20964

MILLS, PETER H.
Prototyping parallel and distributed programs in proteus
[AD-A236597] 20 p3384 N91-28746

MILLWATER, H. R.
Probabilistic structural analysis methods for select space propulsion system components
16 p2585 N91-24327
An approximate methods approach to probabilistic structural analysis 16 p2585 N91-24328

MILNE, A. M.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662

MILNE, E. A.
Sea test development of laser altimeter
[AD-A233824] 18 p2988 N91-26498

MILNER, A. M.
Proceedings of the Second Glacier Bay Science Symposium
[PB91-110163] 15 p2460 N91-23634

MILNER, B.
MTSL-005: Reliability evaluation of high pincount hermetic ceramic packages for space applications
24 p3995 N91-32328

MILNER, K. R.
KeepSake: A database kernel
[RSRE-88014] 07 p1049 N91-15756

MILNES, A. G.
Improvement of bulk and epitaxial III-V semiconductors for solar cells by creation of denuded recombination zones
[DE90-000387] 10 p1540 N91-18478

MILO, TOVA
Models for concurrency in nested transactions systems
[ITN-91-85091] 12 p1962 N91-20798
MILONNI, P. W.
Optical analogs of model atoms in fields
[DE91-013392] 20 p3402 N91-28855
MILORA, S. L.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
Fueling of magnetically confined plasmas by single- and two-stage repeating pneumatic pellet injectors
[DE91-002635] 06 p0875 N91-14839
QUICKGUN: An algorithm for estimating the performance of two-stage light gas guns
[DE91-004973] 09 p1293 N91-17107
MILROY, R. D.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
MILSOM, P. K.
The Boltzmann equation in gas discharges with some application to SF6
[RSRE-MEMO-4416] 07 p1066 N91-15862
Monte-Carlo simulations of gas discharge systems with some application to SF6
[RSRE-MEMO-4417] 07 p1066 N91-15863
MILSTEIN, F.
Electrical and photomechanical effects of plastic deformation of mercuric iodide
[DE91-013108] 20 p3429 N91-29022
MILSTEIN, L. B.
IEEE International Symposium on Information Theory
[AD-A228239] 08 p1241 N91-16842
MILTENBURG, J. W.
Evaluation of crop transpiration with remote sensing and computer simulation models
[REPT-1] 08 p1168 N91-16431
MIMA, K.
Hydrodynamic instabilities in laser driven implosion
20 p3409 N91-28897
MIMURA, K.
Development of a two-phase cold plate
08 p1140 N91-16277
MIMURA, YUICHI
Developmental assessment of RELAP5/MOD3 code against ROSA-IV/TPTF horizontal two-phase flow experiments
[DE90-513748] 04 p0521 N91-12899
MIN, J. B.
Parametric study in weld mismatch of longitudinally welded SSME HPFTP inlet
[NASA-TM-103534] 15 p2437 N91-23502
Effect of flange bolt preload on Space Shuttle main engine high pressure oxidizer turbopump housing analysis
[NASA-TM-103536] 16 p2635 N91-24584
MINA, STEVE
Magnetic domain strain sensor program
[AD-A227225] 08 p1149 N91-16327
MINAMI, K.
Nonlinear computer analysis of backward wave oscillator 20 p3413 N91-28923
MINDERHOUD, P.
The static strength of mechanically fastened carbon-epoxy joints without bending
[NLR-TP-89019-U] 22 p3695 N91-30573
MINDERMAN, PETER A.
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] 06 p0814 N91-14495
MINEART, GARY M.
Marine stratocumulus cloud characteristics from multichannel satellite measurements
01 p0085 N91-10502
MINECK, RAYMOND E.
Calibration of the 13- by 13-inch adaptive wall test section for the Langley 0.3-meter transonic cryogenic tunnel
[NASA-TP-3049] 05 p0625 N91-13461
Flow visualization studies of blowing from the tip of a swept wing
[NASA-TM-4217] 06 p0771 N91-14274
MINEGISHI, MASAKATSU
Vibration testing of a 1/5 scale model of H-2 launch vehicle
[NAL-TR-1061] 01 p0016 N91-10099
MINER, PAUL S.
A HOL theory for voting 09 p1378 N91-17575
Test and evaluation of the generalized gate logic system simulator
[NASA-TM-4251] 12 p1973 N91-20857
MINERVINI, J. V.
Modelling of dual stability in a cable-in-conduit conductor
[DE91-000220] 04 p0590 N91-13298
MINES, G.
A laser based technique for particle sizing to study two phase expansion in turbines
[DE91-014172] 20 p3357 N91-28595
MINES, G. L.
Supercritical binary geothermal cycle experiments with mixed-hydrocarbon working fluids and a near-horizontal in-tube condenser
[DE91-001815] 05 p0683 N91-13798
Second law analysis of advanced power generation systems using variable temperature heat sources
[DE91-001818] 05 p0683 N91-13799
Advanced binary geothermal power plants: Limits of performance
[DE91-010065] 16 p2652 N91-24675
MING, D. W.
Solid-support substrates for plant growth at a lunar base 23 p3905 N91-31800
MING, XIAO
The third generation of Soviet civilian-use turbofan engines
[AD-A225392] 05 p0623 N91-13454
MINGUEZ, RICARDO
Guided weapon simulation: The SBGL development experience 07 p1043 N91-15722
MINGUILLON, D.
NAIADE: A prototype application in Ada of the CCSDS recommendations concerning 'SFDU'
14 p2215 N91-22240
MINH, YOUNG CHOL
Radio observations of several interstellar molecules
05 p0733 N91-14093
MINIS, IOANNIS
The effect of bandwidth on telerobot system performance
[NASA-TP-3152] 22 p3689 N91-30540
MINK, DOUGLAS J.
A search for stellar occultations by Uranus, Neptune, Pluto, and their satellites: 1990-1999
[NASA-CR-188146] 13 p2181 N91-22053
MINK, RICHARD B.
The Trendelenburg position after cerebral air embolism in dogs: Effects on the somatosensory evoked potential, intracranial pressure, and blood-brain barrier
[AD-A233809] 18 p3020 N91-26673
MINKER, JACK
Generalized disjunctive well-founded semantics for logic programs
[AD-A232064] 15 p2486 N91-23765
Null values in definite programs
[AD-A232065] 15 p2524 N91-23992
Combining knowledge bases consisting of first order theories
[AD-A232090] 15 p2525 N91-23993
MINKOFF, M.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719
The advanced software development and commercialization project
[DE91-015756] 21 p3562 N91-29797
MINNETYAN, LEVON
Progressive fracture in composites subjected to hygrothermal environment
[NASA-TM-105230] 24 p3971 N91-32182
MINNICK, MICHAEL W.
In-Process Inspection Study (IPIS) for abrasive machining (honing)
[AD-A236244] 22 p3656 N91-30352
MINNIS, PATRICK
Interpretation of satellite-measured bidirectional reflectance from Cirrus cloudy atmospheres
01 p0079 N91-10470
ERBE and AVHRR Cirrus cloud fire study
01 p0079 N91-10472
Cloud parameters from GOES visible and infrared radiances during the FIRE Cirrus IFO, October 1986
01 p0079 N91-10473
Cirrus cloud properties derived from coincident GOES and lidar data during the 1986 FIRE Cirrus Intensive Field Observations (IFO) 01 p0080 N91-10476
Extended time observations of California marine stratocumulus clouds from GOES for July 1983-1987
01 p0082 N91-10488
Cloud parameters derived from GOES during the 1987 marine stratocumulus FIRE Intensive Field Observation (IFO) period 01 p0085 N91-10505
MINODA, M.
Research on aerodynamic control of blade tip clearance flow in air-cooled turbine
[DE91-764223] 15 p2381 N91-23182
MINODA, MITSUHIRO
Effects of coolant injection on turbine aerodynamic characteristics. Part 1: Test turbine and apparatus
[NAL-TM-585-PT-1] 01 p0010 N91-10059
Experimental investigation on the effect of coolant injection on turbine aerodynamic characteristics. Part 2: Effects of injection from rotor casing with 30 deg slanted holes
[NAL-TM-587-PT-2] 01 p0010 N91-10060
MINOR, THOMAS C.
A new high-progressivity/high-density propulsion concept: Partially cut multiperforated stick propellant
[AD-A234255] 18 p2969 N91-26391
MINSKY, MARVIN
Proposal for a remotely manned space station
14 p2199 N91-22142
MINSTER, B.
Plate motion and deformation
[DE91-010466] 18 p3009 N91-26612
MINSTER, DEAN W.
Use of property restoral algorithms for blind adaptation of receive-path and transmit-path antenna arrays in a ground-based communication system, phase 1
[AD-A234242] 22 p3658 N91-30360
MINSTER, J. BERNARD
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591
MINSTER, OLIVIER
Summary review of sounding rocket experiments in fluid science and material sciences: TEXUS 1 to 20; MASER 1 and 2
[ESA-SP-1132] 23 p3822 N91-31321
MINTER, RICHARD
AN/AIC-22(V) Intercommunications Set (ICS) fiber optic link engineering analysis report
[AD-A225830] 04 p0583 N91-13249
MINTS, WILLIAM
A technique for measuring the solubilities of gases in liquids
[AD-A238071] 21 p3476 N91-29278
MIODUSZEWSKI, P. K.
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
MIOTELLO, A.
Defect diffusion in ion implanted glasses
[DE91-016119] 23 p3819 N91-31302
MIQUEL, JAIME
Microgravity, hypergravity, and aging: A unifying hypothesis 11 p1752 N91-19633
MIRAM, G.
High gradient electron guns
[DE91-000056] 06 p0790 N91-14369
MIRANDA, F. A.
Determination of surface resistance and magnetic penetration depth of superconducting YBa2Cu3O(7-delta) thin films by microwave power transmission measurements
[NASA-TM-103616] 01 p0132 N91-10780
MIRANDA, R.
Mechanism of hydrodenitrogenation. Part 5: X ray diffraction of molybdenum catalysts
[DE91-013853] 20 p3311 N91-28327
MIRANDA, RAUL
Mechanism of hydrodenitrogenation. Part 4: Infrared spectroscopy of acidic molybdena catalysts
[DE91-002496] 06 p0804 N91-14440
MIRANDAGUEDES, JOSE
Nonlinear computational models for composite materials using homogenization 03 p0325 N91-11807
MIRDAMADI, M.
Analysis of thermomechanical fatigue of unidirectional titanium metal matrix composites
[NASA-TM-104105] 23 p3884 N91-31677
MIRELS, HAL
Transverse flow gas lens
[AD-A231366] 13 p2155 N91-21878
MIRELS, HAROLD
Degenerate four-wave mixing of CW HF laser beams in HF absorption cell
[AD-A230183] 12 p1903 N91-20468
MIRFAKHRAIE, KOOROSH
Optimal cooperative time-fixed impulsive rendezvous
24 p3965 N91-32153
MIRICK, PAUL H.
Wind-tunnel survey of an oscillating flow field for application to model helicopter rotor testing
[NASA-TM-4224] 05 p0625 N91-13462
Vibratory loads data from a wind-tunnel test of structurally tailored model helicopter rotors
[NASA-TM-4265] 19 p3099 N91-27120
MIRIN, A. A.
Workshop on Massively Parallel Computing in Magnetic Fusion Energy
[DE90-018009] 01 p0112 N91-10650

Energy sciences supercomputing 1990
[DE91-007188] 11 p1776 N91-19740

MIRIN, ARTHUR A.
Solving the Fokker-Planck equation on a massively parallel computer
[DE91-002795] 05 p0702 N91-13915
Massively parallel Fokker-Planck calculations
[DE90-010691] 08 p1206 N91-16633
Computational physics at the National Energy Research Supercomputer Center
[DE90-010283] 08 p1212 N91-16672

MIRSHAMS, A. R.
Effects of residual stresses on the fracture toughness of Zircaloy-2 tubes
[DE91-012736] 20 p3316 N91-28354

MIRTICH, M. J.
Dual ion beam processed diamondlike films for industrial applications 14 p2358 N91-23042

MIRTICH, MICHAEL J.
Flexible fluoropolymer filled protective coatings 15 p2539 N91-24062
Ion beam textured and coated surfaces experiment (IBEX) 16 p2717 N91-25040

MIRZADEH, F.
Inelastic response of metal matrix composites under biaxial loading 19 p3131 N91-27295

MIRZADEH, S.
The development of new radionuclide generator systems for nuclear medicine applications
[DE91-010381] 16 p2687 N91-24876

MISEROCCHI, GIUSEPPE
Gravity dependence of pleural liquid turnover 11 p1754 N91-19651

MISHRA, S. K.
Microbiology on Space Station Freedom
[NASA-CP-3108] 10 p1559 N91-18573

MISKIMEN, R. A.
Medium energy nuclear physics research
[DE91-015740] 21 p3578 N91-29901

MISLOVE, MICHAEL W.
The 6th Workshop on the Mathematical Foundations of Programming Semantics
[AD-A237754] 21 p3556 N91-29760

MISOVEC, KATHLEEN M.
Sliding mode control of magnetic suspensions for precision pointing and tracking applications 13 p2035 N91-21193

MISRA, A.
Prospects for ductility and toughness enhancement of NiAl by ductile phase reinforcement
[NASA-TM-103796] 19 p3135 N91-27324

MISRA, AJAY K.
Effect of hydrogen on the strength and microstructure of selected ceramics
[NASA-TM-103674] 06 p0812 N91-14482
Chemical compatibility issues related to use of copper as an interfacial layer for SiC fiber reinforced Ti3Al+Nb composite
[NASA-CR-187100] 17 p2746 N91-25194

MISRA, M. S.
Flexible copper-indium-diselenide films and devices for space applications 22 p3634 N91-30222

MISRA, MOHAN S.
Composite materials for space applications
[NASA-CR-187472] 11 p1676 N91-19238

MISRA, PRADEEP
Robust design of multivariable control: An interval arithmetic approach
[AD-A238006] 21 p3563 N91-29806

MISSOUS, O.
Laser heated calcium sulfate TLD plates: Application to radiation mapping 24 p4001 N91-32364

MISTRETTA, G. D.
Ionospheric refraction effects on orbit determination using the orbit determination error analysis system 09 p1288 N91-17082

MITA, SADAO
DPC telecommunication system 01 p0059 N91-10354

MITAL, SUBODH K.
Microfracture in high temperature metal matrix crossply laminates
[NASA-TM-104381] 17 p2747 N91-25198

MITCH, MARK E.
National stream survey database guide
[PB91-141804] 15 p2459 N91-23625

MITCHELL, A. B.
Fractography applied to polymeric materials, part 5
[DREA-CR-88-441-PT-5] 22 p3654 N91-30337

MITCHELL, A. C.
Properties of planetary fluids at high shock pressures and temperatures
[DE91-011195] 17 p2916 N91-26102

MITCHELL, A. W.
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Defects, oxygen ordering and properties of La-Cu-O and Ba-Bi-O superconductors
[DE91-008811] 12 p1992 N91-20967

MITCHELL, CARY A.
Environmental modification of yield and food composition of cowpea and leaf lettuce 23 p3902 N91-31777

MITCHELL, CHRISTINE M.
Operator function modeling: Cognitive task analysis, modeling and intelligent aiding in supervisory control systems
[NASA-CR-187331] 02 p0248 N91-11380
Model-based displays for satellite ground control 12 p1946 N91-20704
ALLY: An operator's associate for satellite ground control systems 12 p1946 N91-20706
OFMspert: An architecture for an operator's associate that evolves to an intelligent tutor 12 p1947 N91-20708

MITCHELL, CLARK
Technology needs for high-speed rotorcraft
[NASA-CR-177578] 15 p2374 N91-23136

MITCHELL, DAVID L.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010

MITCHELL, F. R.
Design of a twenty-element long focal length zoom lens
[DE91-010770] 15 p2508 N91-23894

MITCHELL, G. D.
Catalyst dispersion and activity under conditions of temperature-staged liquefaction
[DE91-016602] 23 p3811 N91-31261

MITCHELL, J. C.
Advanced expander test bed program
[NASA-CR-187082] 13 p2043 N91-21234
Advanced expander test bed program. Preliminary design review report, 27 April 1990 - 31 January 1991
[NASA-CR-187081] 19 p3114 N91-27205

MITCHELL, JENNIFER A.
Automatic information processing and high-performance skills: Applications to training, transfer, and retention
[AD-A235537] 19 p3218 N91-27789

MITCHELL, JIM L.
Objective use of satellite altimetry and IR in simulations of western boundary current dynamics
[AD-A231628] 13 p2125 N91-21695

MITCHELL, JOSEPH
Crashworthiness experiments 16 p2554 N91-24161

MITCHELL, K. W.
Research on stable, high-efficiency, large-area amorphous silicon based modules, task B
[DE91-002115] 10 p1539 N91-18474

MITCHELL, KATHRYN L.
Third Information Transfer Meeting
[PB91-123922] 13 p2167 N91-21961

MITCHELL, KENNETH L.
Panel summary of recommendations 07 p1078 N91-15931

MITCHELL, M.
The perforamance of genetic algorithms on Walsh polynomials: Some anomalous results and their explanation
[DE91-008603] 19 p3218 N91-27783

MITCHELL, PAUL SIMON
A multicolour search for quasars 17 p2889 N91-25974

MITCHELL, R. L.
Research on polycrystalline thin-film materials, cells, and modules
[DE91-002124] 09 p1415 N91-17789
Polycrystalline thin film photovoltaic technology
[DE91-002136] 20 p3367 N91-28650

MITCHELL, RALPH
The role of microorganisms in marine corrosion
[AD-A237062] 21 p3481 N91-29308

MITCHELL, ROBERT A.
A test of the American Safety Flight Systems, Inc. prebreather/portable oxygen system
[AD-A232723] 15 p2367 N91-23100

MITCHELL, ROBERT R.
Device and method for monitoring the presence of an object in space
[AD-D014621] 06 p0872 N91-14823

MITCHELL, RONALD R.
Generic linear microcircuit test requirements
[AD-A236421] 19 p3159 N91-27463

MITCHELL, RUSSELL R.
Injector and valve train friction studies: Cummins L-10 engine
[DE90-017288] 02 p0219 N91-11225

MITCHELL, SCOTT JAMES
A study of geographically correlated orbit errors for Topex-incorporating GPS data 24 p3965 N91-32154

MITCHELL, T. D., JR.
Alumina-silicon carbide composites from coated powders
[DE91-012357] 20 p3303 N91-28281

MITCHELL, T. E.
Microstructure of epitaxial YBa2Cu3O7 thin films
[DE91-009951] 15 p2516 N91-23942
Strain release in GaAs/Ga(1-x)/In(x)As strained layer superlattices grown on (112) substrates
[DE91-009972] 15 p2516 N91-23944
ZrO2 reinforced-MoSi2 matrix composites
[DE91-013074] 20 p3304 N91-28288

MITCHELL, T. J.
Bayesian approximation of solutions to linear ordinary differential equations
[DE91-007872] 11 p1784 N91-19785
Bayesian design and analysis of computer experiments: Use of derivatives in surface prediction
[DE91-013147] 20 p3385 N91-28751

MITCHELL, TAMI
An intelligent advisory system for pre-launch processing 12 p1942 N91-20682

MITCHELL, TODD PORTER
The annual march of convection, sea surface temperature, and surface winds in the tropics 15 p2466 N91-23667

MITCHELL, W.
Structure of the marine boundary layer over the Pacific Ocean during the RITS 88 and RITS 89 cruises
[PB91-176412] 19 p3206 N91-27721

MITCHEM, RICHARD
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) evaluation report
[DOT/FAA/CT-TN90/51] 12 p1924 N91-20587

MITO, T.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937

MITONNEAU, G.
Application of new technologies in the design of the cockpit in future military transport aircraft 10 p1464 N91-18074

MITRA, G.
Computer assisted analysis and modelling of structured problems
[AD-A233592] 16 p2671 N91-24784

MITRIKAS, V. G.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679

MITSUBORI, SUSUMU
Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003

MITTELMAN, M. W.
Non-destructive on-line monitoring of MIC (microbially influenced corrosion)
[DE90-017770] 10 p1499 N91-18251

MITTELSTAEDT, HORST
Determinants of spatial orientation in weightlessness 11 p1747 N91-19605

MITTELSTEIN, MICHAEL
Vertical emitting, ring geometry, ultra-low threshold, and ultra-high speed quantum well lasers for optical interconnect
[AD-A228421] 09 p1340 N91-17361
Vertical emitting, ring geometry, ultra-low threshold and ultra-high speed quantum well lasers for optical interconnect
[AD-A232122] 15 p2433 N91-23481

MITTRA, RAJ
Asymptotic and absorbing boundary conditions for finite element analysis of digital circuit and scattering problems
[AD-A229564] 22 p3666 N91-30414
Efficient evaluation of the inner products in the spectral domain analysis of microstrip discontinuities
[AD-A229607] 22 p3667 N91-30415

MITUHASHI, MASALUKO
Soliton on thin vortex filament
[NIFS-63] 10 p1593 N91-18785

MIURA, SHIGETO
Operation console 01 p0059 N91-10350

MIURA, Y.
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956

MIWA, H.
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
MIX, G.
Physiological criteria and requirement of biomass production under controlled ecological life support systems 11 p1756 N91-19659
Intermittent polarization (TEXUS 2) 23 p3828 N91-31349
MIYAHARA, A.
US-Japan workshops: Q-111, Development of Plasma Facing Components and Materials for Next Large Fusion Devices, and Q-112, Vacuum and First Wall Technology for Fusion Devices
[DE91-006879] 11 p1802 N91-19896
MIYAIRI, HIROO
Studies on the testing method of carbon fiber reinforced plastics: Compression, shear and impact tests 10 p1493 N91-18219
MIYAJIMA, HIROSHI
Specific impulse comparison of high density hydrocarbon fuel burned with oxygen
[NAL-TR-1053] 01 p0025 N91-10148
Performance of the N2H4/MMH mixed fuel regeneratively cooled engine
[NAL-TR-1082] 17 p2743 N91-25180
MIYAKATE, T.
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
MIYAKAWA, JUNICHI
Comparative study on wing pressure distribution of high speed jet airplane between numerical simulation and flight test 04 p0456 N91-12550
Comparison with computation using panel method and wind tunnel test around transonic complete aircraft 04 p0466 N91-12612
Numerical simulations of flow around ATP engine 04 p0469 N91-12627
Numerical simulation analysis of sidewall effects in two-dimensional wind tunnels 24 p3945 N91-32050
MIYAKE, K.
Progressive feature of stepped leader on Japan sea coast in winter (basic data to establish shielding theory for lightning)
[DE91-742133] 11 p1739 N91-19561
MIYAKE, YOSHIAKI
Navier-Stokes computations of three-dimensional turbine cascade flows 24 p3948 N91-32068
MIYAMOTO, S.
Two-stage ion diode experiments on induction adder 11 p1801 N91-19884
MIYAMOTO, T.
X ray radiation from a gas-puff z-pinch plasma 19 p3249 N91-27971
MIYANAGA, Y.
The application of simulation model for the flow induced by air bubble plume in thermally stratified reservoirs
[DE91-003064] 11 p1703 N91-19380
MIYASHIRO, STANLEY K.
Pulsed interference canceler of high power out-of-band pulse interference signals
[AD-D014603] 07 p0990 N91-15431
MIYATA, KIYOMI
Effects of neutron irradiation on low temperature strength of aluminum alloys and their electron beam welded joints
[DE91-744817] 12 p1869 N91-20267
MIYATAKE, SHINICHI
Pre-processing of image data 01 p0061 N91-10364
MIYATAKE, TAKAYUKI
Specific heat of YBa2Cu4O8 near Tc
[DE91-005898] 10 p1605 N91-18853
MIYAWAKI, FUJIO
Effects of a nonuniform open magnetic field on the plasma presheath
[NIFS-67] 10 p1603 N91-18843
MIYAZAKI, Y.
Development of a two-phase cold plate 08 p1140 N91-16277
MIYOSHI, HAJIME
Computer requirements for further CFD development 13 p2066 N91-21380
MIYOSHI, KAZUHISA
Uses of Auger and x ray photoelectron spectroscopy in the study of adhesion and friction
[NASA-TM-103266] 03 p0343 N91-11922
MIYOSHI, S.
Mode conversion of Alfven waves induced by quadrupole magnetic field modulation 20 p3413 N91-28924
MIYOSHI, SHIGERU
Dragging force on galaxies due to streaming dark matter 08 p1261 N91-16947
On the large-scale structures formed by wakes of open cosmic strings 08 p1262 N91-16951
MIYOSHI, SYOICHI
Axial pressure profile effects on flute interchange stability in the tandem mirror GAMMA 10
[NIFS-98] 24 p4104 N91-32934
MIZERKA, LAWRENCE J.
Evaluation of solid lubricants: The chemistry of sputtered MoSx films using combined thin film analysis techniques
[AD-A226134] 04 p0507 N91-12818
MIZIOLEK, ANDRZEJ W.
Laser-based multiphoton excitation processes in combustion diagnostics
[AD-A226031] 04 p0501 N91-12783
Ultraviolet excimer laser-based ignition of H2/air and H2/O2 premixed flows
[AD-A226389] 04 p0529 N91-12934
Laser microplasma-gas chromatography detector. 2: Detection of species-specific fragment emission
[AD-A228373] 08 p1112 N91-16106
MIZOBUCHI, YASUHIRO
Analysis of the aerodynamic performance of counter-rotating propeller by means of vortex lattice method 24 p3947 N91-32065
MIZUGUCHI, K.
Vapour growth of an InP crystal (TEXUS 20) 23 p3836 N91-31394
MIZUKAMI, S.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937
MIZUNO, K.
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771
Measurements of the ion acoustic decay instability and the resultant enhanced laser absorption and enhanced bremsstrahlung in laser-plasma interaction experiments
[DE91-014250] 20 p3418 N91-28956
Measurements of the ion acoustic decay instability and the resultant thermal and suprathermal electron heating in laser-plasma interaction experiments
[DE90-012477] 21 p3585 N91-29941
MIZUTANI, K.
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope 13 p2174 N91-22004
MIZUTANI, T.
Theoretical studies in few-body intermediate energy physics
[DE90-017279] 01 p0120 N91-10709
MJOLHUS, E.
On the validity of the weak turbulence approximation 10 p1548 N91-18515
MLADENOVIC, I.
Mathematical models for determining the protected spaces of the vertical lightning rod 24 p4052 N91-32634
A new approach to the determination of the striking distance from the lightning channel photos 24 p4063 N91-32698
MLYNAR, JAN
Hard x ray studies on the Castor tokamak
[IPPCZ-299] 17 p2866 N91-25855
MO, Y. W.
Diffraction determination of the structure of metastable three-dimensional crystals of Ge grown on Si(001)
[AD-A236871] 19 p3255 N91-28010
MOATS, A. R.
Ion contamination of x ray pinhole camera images on PBFA 2
[DE90-012180] 08 p1149 N91-16325
MOATTI, J. P.
Growth rate of bacteria without and with antibiotic at different levels of gravity 11 p1751 N91-19632
MOATTI, N.
Growth rate of bacteria without and with antibiotic at different levels of gravity 11 p1751 N91-19632
MOBARG, MILTON
Experiences gained in the SF340 airworthiness process 03 p0307 N91-11712
MOBELY, ROBERT L.
Cloud forcing: A modeling perspective
[DE91-007215] 11 p1737 N91-19551
MOCHIZUKI, MUNEKAZU
Numerical treatment of laminar flow in curved rectangular channels 04 p0453 N91-12530
Flow and heat transfer in curved pipe 04 p0453 N91-12531
Numerical analysis of heat transfer in a pipe rotating around a perpendicular axis 04 p0454 N91-12532
Numerical simulation of flow between concentric rotating cylinders 04 p0454 N91-12533
Numerical analysis of the flow in rotating straight pipe 04 p0464 N91-12597
Numerical treatment of laminar flow in curved rectangular channels with entrance region 24 p3946 N91-32053
Flow and heat transfer in a curved annular pipe 24 p3946 N91-32055
Fully developed mixed convection in a horizontal pipe 24 p3946 N91-32057
MOCHRIE, S. G. J.
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307
MOCKLER, R. C.
Studies of melting, crystallization, and commensurate-incommensurate transitions in two dimensions
[DE91-007567] 10 p1497 N91-18241
MODARRESS, DARIUSH
Development of fiber-based laser anemometer for SSME application 16 p2584 N91-24322
MODDEMAN, W. E.
Hot isostatic pressing of high performance glass-ceramic to nickel- and iron-based metal components
[DE91-008130] 11 p1684 N91-19281
MODELL, HAROLD I.
Influence of anticholinesterase on distribution of ventilation and gas exchange
[AD-A229341] 22 p3715 N91-30679
MODENA, M.
IRIS spin and deployment test 07 p0956 N91-15261
MODER, JEFFREY P.
Analysis and design of an ultra-high-temperature, hydrogen-fueled MHD generator as an open cycle power supply 17 p2865 N91-25844
MODESTINO, JAMES
Northeast Artificial Intelligence Consortium (NAIC). Volume 7: Automatic photointerpretation
[AD-A234886] 18 p3047 N91-26821
MODI, VIBHAKAR
Development and evaluation of superconducting circuit elements
[NASA-CR-187344] 04 p0517 N91-12875
MODLIN, JAMES M.
Hypersonic aerospace vehicle leading edge cooling using heat pipe, transpiration, and film cooling techniques
[AD-A236406] 19 p3112 N91-27194
MOE, KAREN
COBE's search for structure in the Big Bang
[NASA-TM-102976] 05 p0769 N91-14271
MOECKLI, KIM
Development of miniature temperature sensors
[AD-A232964] 16 p2630 N91-24560
MOEHLE, J. P.
Experimental study of flat-plate structures under vertical and lateral loads
[PB91-164350] 19 p3182 N91-27594
MOEHLMANN, D.
Structuring processes in preplanetary disks 10 p1619 N91-18931
MOEHRING, ROLF H.
The pathwidth and treewidth of cographs
[RUU-CS-90-7] 04 p0575 N91-13199
MOELLER, MARTIN
Synthesis and characterization of polysilanes
[AD-A235357] 18 p2965 N91-26370
MOELLER, PETER
Nuclear structure calculations for astrophysical applications
[DE90-016433] 01 p0139 N91-10818
MOELLER, U.
Investigation of the shape of the solid-liquid phase front in the Bridgman-Stockbarger process 14 p2333 N91-22896
MOELLER, UWE
Data acquisition for control and regulation of Bridgman crystal growth plant
[DLR-MITT-90-11] 03 p0425 N91-12381
MOELLER, WERNER
Adhesion of thick layer systems on ceramic based precious metals in hybrid microelectronic circuits
[MBB-UA-1191-90-PUB] 23 p3819 N91-31304
MOEN, LORI K.
Temperature dependence of the first sharp diffraction peak in vitreous silica
[DE90-011181] 09 p1317 N91-17230
MOENG, CHIN-HOH
Studying marine stratus with large eddy simulation 01 p0084 N91-10499
MOENY, W. M.
Laser triggered spark gap modeling
[DE91-014831] 21 p3521 N91-29557
MOERNER, W. E.
Observation of the photorefractive effect in a polymer
[AD-A231339] 13 p2057 N91-21322
Finding a single molecule in a haystack: Laser spectroscopy of solids from square root of (N to N) =1
[AD-A230910] 13 p2093 N91-21521

Observation of spectral diffusion in crystals using single impurity molecules
[AD-A231338] 13 p2162 N91-21926

MOES, C.
The Islamic mean: A peculiar L-statistic
[W-9013] 10 p1587 N91-18751

MOES, COR H.
The Islamic mean
[W-9006] 22 p3747 N91-30883

MOES, TIMOTHY R.
A preliminary look at techniques used to obtain airdata from flight at high angles of attack
[NASA-TM-101729] 05 p0623 N91-13453
The effects of pressure sensor acoustics on airdata derived from a High-angle-of-attack Flush Airdata Sensing (HI-FADS) system
[NASA-TM-101736] 09 p1284 N91-17060
Preliminary results from an airdata enhancement algorithm with application to high-angle-of-attack flight
[NASA-TM-101737] 11 p1650 N91-19095

MOFFATT, J.
Enhancing the tolerance to Gz(+) acceleration by optimizing the use of isometric contractions in combination with straining maneuvers
[AD-A230454] 12 p1933 N91-20639

MOG, ROBERT A.
Optimization techniques applied to passive measures for in-orbit spacecraft survivability
[NASA-CR-184198] 23 p3802 N91-31204

MOG, ROBERT ALAN
Discrete posynomial programming with applications to spacecraft protective structures design optimization
20 p3290 N91-28190

MOGHISSI, A. A.
Application of best available science to the regulatory process
[DE91-010363] 17 p2807 N91-25517

MOHAMADIAN, H. P.
Effects of residual stresses on the fracture toughness of Zircaloy-2 tubes
[DE91-012736] 20 p3316 N91-28354

MOHAMED, F. A.
Mechanical properties of spray atomized SiC particle reinforced aluminum-titanium alloys
[AD-A235231] 18 p2955 N91-26306

MOHAMED, J. H.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405

MOHAMED, M. H.
Vibrational spectroscopy of ordered oxygen adlayers on Ni/Cu(001) and Co/Cu(001) thin film systems
[AD-A235921] 19 p3125 N91-27265

MOHANTY, A. P.
Influence of convection on microstructure
[NASA-CR-186996] 04 p0503 N91-12795

MOHIN, W. B.
Coordination and synchronization of loran-C and GPS to universal coordinated time
[AD-A233221] 17 p2734 N91-25141

MOHLER, R. R.
Nonlinear computerized methodology. A: Angle of arrival estimation. B: Data modeling and identification
[AD-A237564] 21 p3499 N91-29415
Nonlinear stability and control study of highly maneuverable high performance aircraft
[NASA-CR-188721] 22 p3622 N91-30150

MOHNEN, V. A.
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States
[PB91-100164] 09 p1358 N91-17464
Data users guide to the mountain cloud chemistry project
[PB91-168484] 20 p3375 N91-28697

MOHR, D. L.
Development of continuous fiber reinforced silicon nitride
[DE91-001156] 04 p0498 N91-12764

MOHR, DAVID L.
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532

MOHR, ERIC
Lazy task creation: A technique for increasing the granularity of parallel programs
[AD-A237477] 21 p3559 N91-29781

MOHR, P.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463

MOHR, R.
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296

MOIN, PARVIZ
Numerical study of a three-dimensional turbulent boundary layer
[AD-A227835] 08 p1143 N91-16291
Characteristic eddy decomposition of turbulence in a channel
[NASA-TM-100065] 13 p2082 N91-21470

MOINUDDIN, ALIA M.
Effects of windblown dust on photovoltaic surface s on Mars
[NASA-TM-104448] 17 p2744 N91-25183

MOIR, D.
Time-resolved emittance measurements of an excimer-laser-driven metal photocathode
[DE91-013086] 20 p3351 N91-28558

MOIR, I. R. M.
Experimental investigation of the separated flow past slender bodies in the RAE 5 metre low-speed pressurised wind tunnel
[RAE-TM-AERO-2209] 22 p3678 N91-30481

MOIR, R. W.
HYLIFE-II inertial confinement fusion reactor design
[DE91-008736] 12 p1984 N91-20916
HYLIFE-2 inertial confinement: Fusion power plant design
[DE91-012089] 18 p3067 N91-26947

MOIR, RALPH W.
HYLIFE-2 inertial confinement fusion reactor design
[DE91-000792] 05 p0717 N91-14004
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010200] 08 p1169 N91-16437
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010332] 08 p1226 N91-16759

MOKOLE, ERIC L.
Clutter-Doppler spectral analysis for a space-based radar
[AD-A236644] 19 p3152 N91-27425
Integration losses and clutter-Doppler spread for a space based radar caused by ionospheric scintillation during a solar maximum
[AD-A239534] 23 p3856 N91-31502

MOL, MARK H.
Application of a micro computer-based management information system to improve the USAF service reporting process
[AD-A230552] 12 p1998 N91-20999

MOLAVI, KAMYAR
Acoustic oscillations in dump combustor configurations 09 p1336 N91-17337

MOLCHANY, JEROME W.
Results of a pilot study: Target identification using computer visual simulation of laser-induced contrast sensitivity deficits
[AD-A232899] 16 p2632 N91-24568

MOLENAAR, J.
Non-linear multigrid in 2-D semiconductor device simulation: The zero current case
[CWI-NM-R8917] 02 p0276 N91-11553
A multigrid approach for the solution of the 2D semiconductor equations
[CWI-NM-R9003] 02 p0276 N91-11554

MOLENKAMP, C. R.
Impact of the ice phase on a mesoscale convective system: Cloud ensemble features and cloud radiative properties
[DE91-015769] 23 p3896 N91-31749

MOLENKAMP, CHARLES R.
Numerical simulation of aerosol scavenging by ice-bearing convective clouds
[DE90-010676] 08 p1173 N91-16457
Parameterization of aerosol scavenging in a convective cloud model
[DE90-010665] 08 p1173 N91-16458

MOLENKAMP, E.
From behavior to silicon using VHDL as an intermediate
[MEMO-INF-90-79] 22 p3734 N91-30794

MOLER, ROBERT B.
Nondestructive evaluation and inspection programs for Pershing 2 motors
[AD-A225009] 04 p0495 N91-12750

MOLIAN, ARUL
Laser deposition of cubic boron nitride on electronic materials
[AD-A238313] 23 p3809 N91-31249

MOLIAN, P.
Laser deposition of cubic boron nitride on electronic materials
[AD-A238313] 23 p3809 N91-31249

MOLINA, E. A.
Micro SAINT modeling of physiological and human performance in the heat
[AD-A238659] 21 p3549 N91-29719

MOLINELLI, EUGENE
Progress with neural network gulf streams
[AD-A233810] 18 p3017 N91-26658

MOLINES, J. M.
Validation requirements for the Topex/Poseidon altimeter mission 15 p2454 N91-23602

MOLINO, JOHN A.
Design methodology for a community response questionnaire on sonic boom exposure
[NASA-CR-187503] 14 p2323 N91-22830

MOLLAKARIMI, CINDY
Remote voice training: A case study on space shuttle applications, appendix C
[NASA-CR-187385] 03 p0396 N91-12199

MOLLARD, R.
Study of pilot vigilance during long range flight
08 p1194 N91-16561

MOLLER, DAVID
High altitude reconnaissance aircraft
10 p1481 N91-18162

MOLLEY, P. A.
Automatic target recognition using acousto-optic image correlator
[DE91-011499] 18 p3065 N91-26936

MOLLISON, TIMOTHY JAMES RAMSAY
Geographic data transfer 08 p1240 N91-16836

MOLLO-CHRISTENSEN, ERIK
The Surface Wave Dynamics Experiment (SWADE)
17 p2798 N91-25478

MOLLOY, N. D.
Communications needs of the future air-ground interface 24 p3959 N91-32125

MOLNAR, DAN
STB-White
[NASA-CR-187012] 04 p0477 N91-12662

MOLNAR, G.
Natural and anthropogenic climate change
[DE91-014734] 20 p3371 N91-28673

MOLNAR, J. A.
Analysis of FIN line feasibility for W-band attenuator applications
[AD-A237271] 21 p3504 N91-29450

MOLTON, JOHN D.
Acquisition and processing of information during states of Rapid Eye Movement (REM) sleep and slow-wave sleep
[AD-A231772] 14 p2298 N91-22705

MOLTON, P. M.
Radioluminescent polymer lights
[DE91-005521] 11 p1686 N91-19290

MOLTZ, D. M.
A proposed search for dark-matter axions in the 0.6-16 micro-eV range
[NASA-CR-188173] 15 p2529 N91-24015

MOLVIK, A. W.
Physics data base for the Beam Plasma Neutron Source (BPNS)
[DE91-002796] 06 p0876 N91-14842

MOLVIK, GREGORY ALAN
A computational model for the prediction of hypersonic, reacting flows 02 p0157 N91-10911

MOLYNEUX, HARRY F.
An aeronautical engineering user's manual to the HP-28S handheld calculator
[AD-A236618] 19 p3216 N91-27777

MOLZ, B.
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans
11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593

MOMBRU, I. L.
A knowledge engineering approach to risk analysis in the HOTOL project
[BU-512] 14 p2318 N91-22802

MONACO, LISA A.
Definition study for temperature control in advanced protein crystal growth
[NASA-CR-187346] 05 p0722 N91-14029
Nucleation and growth control in protein crystallization
[NASA-CR-187345] 07 p1070 N91-15886

MONAI, S.
A comparative study of B and Be stars in the UV: New evidence of a near-equatorial origin of the SiIV 1400 and C IV 1500 features in Be stars 09 p1434 N91-17896

MONALDI, D.
How to tag the high PT jets involving the anomalous structure function of the photon at HERA
[NOTA-INTERNA-952] 12 p1978 N91-20882

MONAN, WILLIAM P.
Human factors in aviation: Terminal control area boundary conflicts
[NASA-CR-177522] 13 p2128 N91-21714

MONCET, J. L.
Path characterization algorithms for FASCODE
[AD-A231914] 14 p2307 N91-22749

MONCUR, KENT
Experimental development, testing, and research work in support of the inertial confinement fusion program
[DE91-002770] 05 p0721 N91-14026
MONDAL, J.
A 30 GHz monolithic receive module
[NASA-CR-187085] 15 p2410 N91-23346
MONDY, L. A.
Aerosol Dynamics Laboratory
[DE90-010275] 08 p1098 N91-16027
The effect of stratification on gravitational coagulation and settling of aerosols
[DE90-010153] 08 p1107 N91-16079
MONELL, DONALD W.
Pre-integrated structures for Space Station Freedom
[NASA-TM-102780] 13 p2039 N91-21214
MONEY, K. E.
MIT/Canadian vestibular experiments on the Spacelab-1 mission. Part 1: Sensory adaptation to weightlessness and readaptation to one-g: An overview
17 p2821 N91-25587
Signs and symptoms of motion sickness and its basic nature 24 p4074 N91-32760
Space sickness 24 p4074 N91-32764
Simulator sickness 24 p4074 N91-32765
MONFORD, LEO G., JR.
Electromagnetic attachment mechanism
[NASA-CASE-MSC-21463-1] 15 p2435 N91-23490
Method and apparatus for releasably connecting first and second objects
[NASA-CASE-MSC-21517-1] 16 p2633 N91-24577
MONGEON, A. M.
Are Noachian-age ridged plains (Nplr) actually early Hesperian in age 14 p2349 N91-22991
MONGIA, H. C.
Pressure algorithm for elliptic flow calculations with the PDF method 13 p2014 N91-21081
MONGIS, J.
Micrographic etching of nitrided iron and steel layers
[CETIM-106470] 05 p0637 N91-13533
MONHEISER, JEFFERY M.
Advanced electric propulsion research - 1990
[NASA-CR-187103] 17 p2741 N91-25171
MONHEMIUS, WILLEM GERRIT
Profiles in management: Relations in the market and business place
[ETN-91-99436] 17 p2874 N91-25900
MONIER, R.
Rotational and rapid flux variations of 21Com in the ultraviolet 09 p1434 N91-17900
The ultraviolet variations of 78Vir
09 p1434 N91-17901
MONIS, RICHARD
SE and I system testability: The key to space system FDIR and verification testing 09 p1283 N91-17053
MONK, A. M.
Carrier-to-noise power estimation for the Block 5 Receiver 24 p3987 N91-32275
MONK, HELEN
Airport capacity and delay analyses
[DOT/FAA/CT-TN91/18] 17 p2737 N91-25152
MONK, JAN C.
Advanced launch system 20 p3293 N91-28208
Space transportation main engine reliability and safety
20 p3302 N91-28271
MONNA, WIM A. A.
Description of Crau data set: Meteosat data, radiosonde data, sea surface temperatures: Comparison of Meteosat and Heimann data
[KNMI-WR-90-03] 23 p3897 N91-31752
MONNERIE, LUCIEN
Composite matrix deformation process in relation to molecular structure
[ETN-91-99915] 23 p3806 N91-31232
MONROE, D. K.
System requirements for low-Earth-orbit launch using laser propulsion
[DE91-017455] 24 p4024 N91-32490
MONROE, S. L.
Development of hermetic microminiature connectors
[DE90-015562] 02 p0206 N91-11153
MONSERUD, DAVID
Abrasive-waterjet machining of isogrid structures
[AD-A234628] 18 p2972 N91-26405
MONSIGNORI-FOSSI, B.
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
MONSON, P. A.
Theoretical studies of solid-fluid phase equilibria
[DE91-014811] 21 p3477 N91-29287
MONTA, WILLIAM J.
A parametric experimental investigation of a scramjet nozzle at Mach 6 with Freon and argon or air used for exhaust simulation
[NASA-TP-3048] 09 p1271 N91-16990
MONTAGUE, D. G.
Temperature dependence of the first sharp diffraction peak in vitreous silica
[DE90-011181] 09 p1317 N91-17230
MONTAGUE, NANCY L.
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
MONTANA, D. M.
Range-only multistatic radar system
[AD-D011645] 21 p3496 N91-29399
MONTANARI, S.
K/T age for the popigai impact event
11 p1820 N91-19999
MONTANARI, UGO
Back and forth bisimulations
[CWI-CS-R9021] 10 p1572 N91-18650
MONTANO, J. W.
The interaction of hydrogen with metal alloys
[NASA-TP-3128] 21 p3482 N91-29318
MONTASER, AKBAR
New high temperature plasmas and sample introduction systems for analytical atomic emission and mass spectrometry
[DE91-005043] 10 p1601 N91-18829
MONTEIL, C.
Impact of new technology on operational interface: From design aims to flight evaluation and measurement
02 p0169 N91-10977
MONTEIRO, LUIS
Comparative semantics for a parallel contextual programming language
[CWI-CS-R9018] 10 p1572 N91-18648
MONTEIRO, S.
Vacuum design for a superconducting mini-collider
[DE91-011964] 18 p3072 N91-26975
MONTEMERLO, MELVIN
NASA information sciences and human factors program
[NASA-TM-4291] 18 p3097 N91-27119
MONTES, A.
Activities report on the experimental study of particle diffusion in superficially confined plasma for multidipolar magnetic fields
[INPE-5228-RPE/644] 22 p3756 N91-30938
MONTES, ANTONIO
Implementation of the MAGINT-MAGGRAF code in the microVAX-3600 system
[INPE-5042-PRE/1575] 05 p0700 N91-13898
Design and construction of a formed pulse circuit for a plasma centrifuge
[INPE-5161-RPE/639] 13 p2158 N91-21895
MONTESINOS, BENJAMIN
The ultraviolet spectrum of FG Sge
09 p1438 N91-17925
MONTFROOIJ, WOUTER THEODORUS
From visco-elasticity towards thermal relaxation: A neutron scattering study of density fluctuations in fluid helium
[ETN-91-98486] 08 p1112 N91-16111
MONTGOMERY, D. B.
Fusion development and technology
[DE91-011076] 16 p2692 N91-24906
MONTGOMERY, D. S.
Stability and accuracy of the sweep rate measurements for LLNL optical streak cameras
[DE90-012080] 08 p1148 N91-16324
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385
MONTGOMERY, ELLYN T.
The High Resolution Profiler (HRP): User's guide and software modifications documentation
[AD-A234640] 18 p3018 N91-26663
MONTGOMERY, F.
Ceramic fiber coating development and demonstration
[AD-A234773] 18 p2964 N91-26358
MONTGOMERY, F. C.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
MONTGOMERY, J. A., JR.
Theoretical investigation leading to energy storage in atomic and molecular systems
[AD-A231275] 13 p2151 N91-21858
MONTGOMERY, L. C.
COLDEX-86: Fluid and electrolyte changes during prolonged cold water immersion
[AD-A233768] 18 p3027 N91-26711
MONTGOMERY, L. K.
Magnetic relaxation of the organic superconductor kappa-(BEDT-TTF)2Cu(N(CN)2)Br
[DE91-016528] 24 p4110 N91-32969
MONTGOMERY, RAYMOND C.
Real-time dynamic holographic image storage device
[NASA-CASE-LAR-13989-1] 05 p0664 N91-13694
The spacecraft control laboratory experiment optical attitude measurement system
[NASA-TM-102624] 13 p2034 N91-21186
Simulator evaluation of system identification with on-line control law update for the controls and astrophysics experiment in space 14 p2231 N91-22341
MONTI, DAVID L.
Monte Carlo simulation of atmospheric neutron transport at high altitudes using MCNP
[AD-A226773] 08 p1176 N91-16474
Modifications to MCNP, version 3B: Incorporating a variable density atmosphere, addendum
[AD-A231425] 14 p2285 N91-22637
MONTI, M.
The shell concept to ease the development of knowledge-based systems for spacecraft control
14 p2216 N91-22246
MONTI, MEDIO
Viewer: A user interface for failure region analysis
[AD-A231955] 14 p2308 N91-22750
MONTI, R.
Lymphocytes on sounding rockets
11 p1749 N91-19620
Thermal Marangoni convection in a floating zone (TEXUS 9) ESA 23 p3826 N91-31341
Experimental results on microgravitational fluid dynamics (TEXUS 14b) ESA 23 p3826 N91-31342
MONTIEL, D. M.
Method for evaluating the high strain-rate compressive properties of thick composite laminates
[AD-A226871] 07 p0969 N91-15321
MONTIGUARNIERI, A.
Seismic migration for SAR focusing: Interferometrical applications
[REPT-90-036] 10 p1514 N91-18336
MONTIGURNIERI, A.
SAR interferometry can give 1 meter altitude resolution 07 p0992 N91-15446
MONTOYA, N. I.
Interferometry, streak photography, and stereo photography of laser-driven miniature flying plates
[DE91-007493] 11 p1708 N91-19405
MONTRY, GARY R.
Massively parallel computing system
[DE90-014683] 01 p0111 N91-10648
MONTUFAR-SOLIS, DINA
Altered cartilage differentiation in tibial epiphyseal plates of Cosmos rats 11 p1751 N91-19628
MOODENBAUGH, A. R.
Microstructures and dc critical currents in textured Y-Ba-Cu-oxides
[DE91-000895] 08 p1234 N91-16803
MOODY, GORDON
The search for high energy low vulnerability explosives
[DE90-009436] 08 p1121 N91-16158
MOODY, R. A.
Synthesis and characterization of electroactive polymers based on pyrrole
[AD-A226324] 04 p0507 N91-12819
MOOIMAN, J.
Numerical analysis of time-dependent Boussinesq models
[CWI-NM-R9020] 17 p2846 N91-25730
MOOK, D. JOSEPH
An experimental study of nonlinear dynamic system identification 09 p1290 N91-17089
Time domain modal identification/estimation of the mini-mast testbed 14 p2232 N91-22347
MOOK, D, JOSEPH
An experimental study of nonlinear dynamic system identification 14 p2232 N91-22346
MOOK, DEAN T.
Nonlinear oscillations of mechanical systems under multifrequency parametric excitation
[AD-A233800] 18 p2998 N91-26558
MOOK, H. A.
Neutron diffraction by the flux lattice in high-Tc superconductors
[DE91-017866] 24 p4009 N91-32418
Neutron scattering from the flux lattice in high temperature superconductors
[DE91-017947] 24 p4009 N91-32419
High energy spin waves in iron measured by neutron scattering
[DE91-017868] 24 p4099 N91-32902
MOOK, H. A., JR.
Neutron scattering studies of the high-temperature superconducting materials
[DE91-006016] 10 p1606 N91-18862
MOON, B. M.
Consolidation and plasticity of Bi-Sr-Ca-Cu-O superconductors
[DE91-015544] 21 p3599 N91-30028

MOON, F. C.
Phenomenology of forces acting between magnets and superconductors
[DE90-017864] 02 p0265 N91-11487
MOON, FRANCIS C.
Nonlinear dynamics and control of flexible structures
[AD-A235186] 18 p2935 N91-26191
MOON, YOUNG J.
Numerical study of supersonic combustors by multi-block grids with mismatched interfaces
[NASA-CR-185306] 03 p0313 N91-11753
MOONEY, G. DAVID
Novel thin-film CuInSe2 fabrication
[DE90-000345] 07 p1072 N91-15901
MOONEY, L. E.
DOPLIGHT 1987 project summary
[PB90-253584] 05 p0689 N91-13834
MOONEY, T. J.
The origin of the galactic emission in IRAS data
06 p0900 N91-14974
MOONEY, THOMAS A.
Transmittance measurements of ultra violet and visible wavelength interference filters flown aboard LDEF
16 p2722 N91-25078
MOONIER, P.
High Energy Physics Division semiannual report of research activities, July 1, 1990--December 31, 1990
[DE91-012339] 20 p3404 N91-28868
MOORE, ALLEN
The 1988 anthropometric survey of US Army personnel: Correlation coefficients and regression equations. Part 1: Statistical techniques, landmark, and measurement definitions
[AD-A224986] 03 p0395 N91-12194
MOORE, B. A.
An introduction to modern aero-engine control design
[ETN-91-98583] 08 p1097 N91-16024
MOORE, C. B.
Aircraft measurements of electrified clouds at Kennedy Space Center, part 3
[NASA-CR-186964] 04 p0548 N91-13039
Aircraft measurements of electrified clouds at Kennedy Space Center
[NASA-CR-186536] 06 p0848 N91-14680
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 1: 1988 flights
06 p0848 N91-14681
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 2: Case study: 4 November 1988 (88309) 06 p0848 N91-14682
Charge control experiments on a CH-53E helicopter in a dusty environment 24 p4050 N91-32625
MOORE, C. F.
Giant resonances in single and double charge exchange
[DE91-017822] 24 p4098 N91-32900
MOORE, C. FRED
Research in experimental nuclear physics
[DE91-001616] 07 p1065 N91-15854
MOORE, D. S.
Coherent Raman scattering in high-pressure/high-temperature fluids: An overview
[DE91-000438] 07 p1002 N91-15500
Molecular crystals and localized vibrational states
[DE90-010602] 08 p1231 N91-16786
Vibrational spectroscopy of shock-compressed liquid CO
[DE91-013204] 20 p3310 N91-28325
MOORE, DAVID S.
Time-resolved Coherent Anti-Stokes Raman Spectroscopy (CARS) and the measurement of vibrational spectra in shock-compressed molecular materials
[DE90-012053] 08 p1109 N91-16091
MOORE, DEBORAH L.
Cryogenic wind tunnels: A comprehensive, annotated bibliography
[NASA-TM-4273] 12 p1845 N91-20143
MOORE, DOUGLAS B.
Roll plus maneuver load alleviation control system designs for the active flexible wing wind-tunnel model
14 p2230 N91-22335
MOORE, F. K.
Theory of finite disturbances in a centrifugal compression system with a vaneless radial diffuser
[NASA-CR-187049] 05 p0623 N91-13458
MOORE, F. L.
Trapped-ion frequency standards
17 p2851 N91-25760
MOORE, GARY T.
Genesis lunar outpost: An evolutionary lunar habitat
10 p1481 N91-18158
MOORE, GREGORY JAMES
Improved approximations for static stress constraints in shape optimal design of shell structures
09 p1351 N91-17422
MOORE, H. J.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
A radar-echo model for Mars
14 p2352 N91-23006
Martian surface materials 18 p3088 N91-27073
MOORE, HARRY H.
Management information: A key to better acquisition at NIH
[AD-A226867] 08 p1239 N91-16830
MOORE, J.
Increased mitogenic response in lymphocytes from chronically centrifuged mice 11 p1752 N91-19634
MOORE, J. A.
A program in the chemistry of electronic materials. Task 1: New organometallic precursors for the low pressure chemical vapor deposition of refractory materials for electronics
[AD-A234315] 18 p2961 N91-26342
MOORE, J. D.
A synopsis of Langley Research Center's lidar effort for the 1986 FIRE IFO 01 p0076 N91-10457
MOORE, J. H.
Digital audio broadcasting: The first UK field trial
[BBC-RD-1991/2] 17 p2766 N91-25311
MOORE, J. L.
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
MOORE, J. RICHARD
Icing test capabilities for aircraft propulsion systems at the Arnold Engineering Development Center
23 p3795 N91-31170
MOORE, JEFFREY MORGAN
Investigations in Martian geology. Part 1: Nature of the mantling deposit in the heavily cratered terrain of northeastern Arabia, Mars. Part 2: Experimental studies of clean and dust-or-sand-covered ice sublimation under Mars-like conditions 21 p3606 N91-30067
MOORE, JOANNE P.
Next-generation fire extinguishing agent. Phase 2: Laboratory tests and scoping trials
[AD-A227347] 06 p0816 N91-14510
Next-generation fire extinguishing agent, phase 3
[AD-A230619] 12 p1880 N91-20333
MOORE, JOHN R.
An investigation into the shear strength of ice
[BU-501] 14 p2264 N91-22526
MOORE, M. R.
A pocket-size broadband electric field detection and storage device
[DE91-007710] 11 p1708 N91-19406
Radio frequency biological hazards and measurement techniques
[DE91-010776] 17 p2822 N91-25594
MOORE, MARVIN E.
Missile Datcom: User's manual
[AD-A237817] 21 p3452 N91-29148
MOORE, N.
Probabilistic structural analysis methods for space transportation propulsion systems
20 p3298 N91-28238
MOORE, N. R.
An improved approach for flight readiness assessment
[NASA-CR-187809] 07 p1014 N91-15566
MOORE, NICHOLAS R.
Probabilistic failure assessment with application to solid rocket motors 01 p0052 N91-10309
MOORE, R. E.
Pressureless densification of ceramic matrix composites
[AD-A235031] 18 p2964 N91-26362
MOORE, R. J.
Sustaining health and performance in the desert: Environmental medicine guidance for operations in Southwest Asia
[AD-A229643] 12 p1929 N91-20616
MOORE, RICHARD K.
Radar backscatter from the sea controlled experiments
[AD-A229847] 11 p1696 N91-19340
RAWS: The spaceborne radar wind sounder
[NASA-CR-188777] 22 p3663 N91-30392
MOORE, ROBERT R.
The reactive bed plasma system for contamination control 07 p1080 N91-15945
MOORE, ROBERT Y.
Organization of the human circadian system
[AD-A233026] 16 p2663 N91-24733
MOORE, S. W.
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
MOORE, T. L.
Success with an automated computer control system
[DE91-001759] 05 p0708 N91-13945
The new LLNL AMS spectrometer
[DE90-010868] 08 p1108 N91-16084
MOORE, T. R.
An optical technique for the direct measurement of the 2-D spectral density of a passive scalar in a turbulent flow
[DE91-005423] 10 p1524 N91-18389
MOORE, THOMAS
Urodynamic pressure sensor
14 p2361 N91-23066
MOORE, THOMAS C., SR.
Practical approaches for application of resistance type strain gages on high temperature composites
14 p2362 N91-23068
Flush mounting of thin film sensors
[NASA-CASE-LAR-14446-1] 20 p3332 N91-28454
MOORE, THOMAS P.
US space flight experience. Physical exertion and metabolic demand of extravehicular activity: Past, present, and future 01 p0099 N91-10575
The history of in-flight exercise in the US manned space program 01 p0099 N91-10577
MOORE, TRUMAN W., JR.
A simulated lightning effects test facility for testing live and inert missiles and components
24 p4068 N91-32725
MOORE, W. H.
Urban air toxics monitoring program, 1989
[PB91-148262] 17 p2806 N91-25513
MOORHEAD, A. J.
Strength of SiC- and Si-N-C-ceramic fibers exposed to high-temperature gaseous environments
[DE91-011099] 18 p2967 N91-26380
MOORHEAD, JANE
Experiment Document Information System (EDIS) evolution 13 p2165 N91-21941
MOORHEAD, JANE N.
Space lab system analysis: Advanced Solid Rocket Motor (ASRM) communications networks analysis
[NASA-CR-184103] 10 p1491 N91-18209
MOORHEAD, ROBERT J., II
Space lab system analysis: Advanced Solid Rocket Motor (ASRM) communications networks analysis
[NASA-CR-184103] 10 p1491 N91-18209
MOORHOUSE, ALAN
Infrared images of reflection nebulae and Orion's bar: Fluorescent molecular hydrogen and the 3.3 micron feature 06 p0890 N91-14918
Spatial variations of the 3 micron emission features within nebulae 06 p0891 N91-14922
MOORHOUSE, DAVID J.
The handling qualities of the STOL and maneuver technology demonstrator from specification to flight test
15 p2371 N91-23117
MOORKHERJI, TRIPTY K.
Growth and characterization of crystals for IR detectors and second harmonic generation devices
19 p3268 N91-28078
MOORMAN, DEBRA L.
Cataract surgery and intraocular lenses in USAF aviators 17 p2827 N91-25616
MOOS, H. W.
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
MOOSAVI, HASSAN
Optimization of spur gear systems by tooth profile and face width modifications
[NIAR-90-23] 07 p1012 N91-15558
MORABITO, J. A.
Digital analysis of satellite data and numerical simulation applied to irrigation water management by means of a database system
[REPT-4] 10 p1538 N91-18465
MORALES, C.
Laser-boosted lightcraft technology demonstrator
14 p2201 N91-22156
MORALES, G. J.
Conversion of electrostatic and electromagnetic waves in a plasma at the peak of a parabolic density profile
[AD-A230560] 12 p1983 N91-20909
MORALEZ, ERNESTO
Simulation evaluation of a speed-guidance law for Harrier approach transitions
[NASA-TM-102853] 16 p2562 N91-24209
MORAN, ANGELA L.
Intelligent processing for spray metal manufacturing
[AD-A226499] 05 p0636 N91-13523
MORAN, B.
Effect of a viscoelastic interface on the transverse behavior of fiber-reinforced composites
[AD-A233986] 18 p2939 N91-26212
Experiments and calculations of jet penetration in glass
[DE91-013567] 20 p3327 N91-28422

MORAN, C.
Additives for high temperature liquid lubricants
[DE91-011018] 18 p2968 N91-26386
MORAN, C. M.
Electrochemical corrosion studies in low conductivity media
[AD-A230591] 12 p1870 N91-20277
MORAN, CLIFFORD M.
Long-term propellant/material compatibility 16 p2573 N91-24261
Helium saturation of liquid propellants 16 p2574 N91-24266
MORAN, J. P.
Stress corrosion cracking of Al-Li-Cu-Zr alloy 2090 in aqueous Cl(-) and mixed CO3(2-)/Cl(-) environments
[DE91-007064] 11 p1682 N91-19269
The role of anodic dissolution in the stress corrosion cracking of Al-Li-Cu alloy 2090
[DE91-016403] 24 p3977 N91-32219
MORAN, K. P.
RASS demonstration on a NOAA network wind profiler
[PB90-268319] 09 p1366 N91-17508
MORAN, KENNETH J.
A comparison of molecular vibration modeling for thermal nonequilibrium airflow
[AD-A230356] 12 p1896 N91-20426
MORAN, M. J.
Basic features of coherent radiation generated by relativistic charge bunches
[DE91-017656] 24 p4098 N91-32898
MORAN, MATTHEW E.
Conceptual study of on orbit production of cryogenic propellants by water electrolysis
[NASA-TM-103730] 11 p1691 N91-19317
MORAN, P.
MERCATOR: A distributed ground control system for geostationary satellite positioning 14 p2210 N91-22202
MORAN, P. J.
The use of a scanning electrochemicl impedance spectroscopy technique to investigate localized corrosion
[DE91-006918] 13 p2053 N91-21296
MORAN, SCOTT J.
Prototype instrumentation and design studies
[AD-A211566] 01 p0044 N91-10264
MORAN, SUSANNA I.
Raster graphic helmet-mounted display study
[NASA-CR-4331] 06 p0784 N91-14347
MORAWETZ, CATHLEEN S.
Nonlinear, hyperbolic and inverse problems
[AD-A236250] 19 p3236 N91-27894
MORBIDINI, A.
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551
MORCH, ANDERS
JANUS: Integrating hypertext with a knowledge-based design environment
[AD-A231773] 14 p2340 N91-22941
MORCHAT, R. M.
The effect of post-cure and antimony trioxide addition on the glass transition of polyester and vinyl ester resin systems
[AD-A232523] 15 p2406 N91-23325
MORCHAT, RICHARD M.
The effect of antimony trioxide addition on the flammability characteristics of polyester and vinyl ester glass reinforced plastics
[DREA-89-213] 22 p3654 N91-30335
MORCRETTE, JEAN-JACQUES
Cloud forcing: A modeling perspective
[DE91-007215] 11 p1737 N91-19551
MORD, ALLAN J.
Fluid quantity gaging
[NASA-CR-185516] 16 p2631 N91-24566
MORDECHAI, S.
Giant resonances in single and double charge exchange
[DE91-017822] 24 p4098 N91-32900
MORE, H.
Head-down tilt test and space-related endocrine physiology 11 p1748 N91-19614
MORE, K. L.
Microstructure development during microwave annealing of dense silicon nitride
[DE91-012069] 18 p2944 N91-26242
MORE, KARREN L.
Grain structure and growth of dispersed phase BN-AlN coatings grown via chemical vapor deposition
[DE91-006283] 09 p1319 N91-17242
MOREA, S. F.
The case for teaming on the ALS-STME program 20 p3301 N91-28269
MOREAU, J. P.
Study of lightning strikes on an aircraft in flight. Electromagnetic measurements
[ONERA-RF-25/7234-PY] 23 p3786 N91-31111
Description and interpretation of aircraft lightning attachment electric and magnetic field measurements and video observation 24 p4046 N91-32601
MOREHOUSE, E. T.
Next-generation fire extinguishing agent, phase 3
[AD-A230619] 12 p1880 N91-20333
MOREL, ANDRE
Primary ocean production: Carbon and particle flux 15 p2454 N91-23596
MOREL, J. E.
Coupled proton/neutron transport calculations using the S(sub N) and Monte Carlo methods
[DE91-009949] 14 p2326 N91-22849
MOREL, M.
Concurrent micromechanical tailoring and fabrication process optimization for metal-matrix composites
[NASA-TM-103670] 11 p1676 N91-19237
Signal detection of MERIS in oceanographic applications 15 p2455 N91-23605
Interphase layer optimization for metal matrix composites with fabrication considerations
[NASA-TM-105166] 22 p3644 N91-30281
MOREL, R.
Boundary layer turbulence appearance mechanisms studied by plane laser visualizations
[AAAF-NT-89-10] 23 p3870 N91-31587
MOREL, T.
A theoretical analysis of the electromagnetic environment of the AS330 super Puma helicopter external and internal coupling 24 p4063 N91-32701
MORELAND, K. W.
Eigenvector weighting as an adaptive array interference cancellation technique 22 p3659 N91-30370
MORELL, LARRY J.
Unit testing and analysis
[AD-A236119] 19 p3227 N91-27841
MORELL, R.
Biaxial strength tests on bioceramic materials
[NPL-DMM(A)-18] 12 p1876 N91-20314
MORELLI, E.
An introduction to old and new SAR interferometric techniques 07 p0992 N91-15445
MORELLO, SAMUEL A.
Aviation Safety/Automation Program Conference
[NASA-CP-3090] 02 p0161 N91-10936
Aviation safety/automation program overview 02 p0162 N91-10941
Report of the workshop on Aviation Safety/Automation Program
[NASA-CP-10054] 07 p0938 N91-15141
MORENO, J.
Time-resolved extreme-ultraviolet spectroscopy of laser-produced plasmas originating at the parylene layer of microballon targets
[DE91-009378] 13 p2158 N91-21900
MORET, R.
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811
MORETTI, S.
Applications of MultiFrequency (MF) SAR images in hydrology 07 p0991 N91-15439
MOREY-HOLTON, EMILY
Gravity, calcium, and bone: Update, 1989 17 p2818 N91-25573
MOREY, W. A.
Micro SAINT modeling of physiological and human performance in the heat
[AD-A238659] 21 p3549 N91-29719
MOREY, W. W.
Development of optical fibers with embedded gratings for sensor and signal processing applications
[AD-A229971] 12 p1980 N91-20894
MOREY, WILLIAM A.
The P300 component of the auditory event-related potential: Interlaboratory consistency and test-retest reliability
[AD-A235114] 18 p3029 N91-26725
MORFEY, C. L.
The prediction and measurement of the one-parameter behaviour of horns
[ISVR-TR-185] 05 p0712 N91-13974
MORFILL, G. E.
Protoplanetary disks: Observations and physical processes 10 p1623 N91-18957
MORGAN-POND, C. G.
Doping and diffusion in HgCdTe
[AD-A232950] 16 p2694 N91-24914
MORGAN, A. J.
High threshold HR (Highly Reflective) coatings at 1064 nm
[DE91-006236] 10 p1528 N91-18415
MORGAN, ALI S.
The atomic strain tensor
[AD-A237287] 21 p3574 N91-29877
MORGAN, H. L.
Results of correlations for transition location on a clean-up glove installed on an F-14 aircraft and design studies for a laminar glove for the X-29 aircraft accounting for spanwise pressure gradient 16 p2551 N91-24138
MORGAN, H. S.
Thermal stresses in layered electrical assemblies bonded with solder
[DE90-015563] 02 p0226 N91-11263
MORGAN, HERBERT K.
Unattended network operations technology assessment study. Technical support for defining advanced satellite systems concepts
[NASA-CR-187080] 15 p2533 N91-24030
MORGAN, J.
Development of a gas engine-driven chiller
[PB91-130237] 13 p2068 N91-21389
Variable speed gas engine-driven air compressor system. Phase 1: System analysis
[PB91-159533] 18 p2993 N91-26530
MORGAN, J. F.
Benchmark field study of deep neutron penetration
[DE91-015677] 24 p4096 N91-32886
MORGAN, J. MURRAY
An initial study into the influence of control stick characteristics on the handling qualities of a fly-by-wire helicopter 15 p2371 N91-23122
MORGAN, JAMES ARTHUR
Molecular outflows in the L1641 region of Orion 05 p0764 N91-14246
MORGAN, JOHN
Development of a gas engine-driven chiller
[PB90-270414] 09 p1321 N91-17252
MORGAN, M. D.
Radioisotope thermal photovoltaic application of the GaSb solar cell 11 p1671 N91-19210
MORGAN, MICHAEL J.
Microstructure and yield strength effects on hydrogen-and-tritium-induced cracking in 21-6-9 stainless steel
[DE91-004327] 07 p0980 N91-15381
MORGAN, MORRIS B., III
An automated system for measuring the mass flowrate of powders in transport lines
[AD-A225560] 03 p0366 N91-12053
MORGAN, PAUL
Evaluation of geophysical properties of the lunar regolith for the design of precursor scientific missions for the space exploration initiative 18 p3095 N91-27104
MORGAN, R. G.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651
Preliminary calibration of a generic scramjet combustor
[NASA-CR-187539] 13 p2025 N91-21139
MORGAN, S. H.
Purification, growth, and characterization of Zn(x)Cd(1-x)Se crystals 19 p3270 N91-28089
Optical diagnostics of mercuric iodide crystal growth
[DE91-017396] 24 p4112 N91-32983
MORGAN, S. J.
An XPS study of the formation of ultrathin platinum and iridium silicide layers on Si(100) and Si(110) surfaces
[AD-A230391] 12 p1989 N91-20946
MORGAN, STEVEN H.
US and foreign alloy cross-reference database
[NASA-CR-184166] 18 p2956 N91-26313
MORGAN, W. L.
Simulation of the growth of Mo/Si multilayers
[DE91-015679] 21 p3510 N91-29486
Laser triggered spark gap modeling
[DE91-014831] 21 p3521 N91-29557
MORGAN, W. LOWELL
The feasibility of using neural networks and other optimization algorithms to obtain cross sections from electron swarm data
[AD-A226692] 07 p1048 N91-15753
MORGAN, W. R.
Long-term testing and evaluation of cathode components in a commercial aluminum cell, volume 1
[DE90-010896] 21 p3502 N91-29436
MORGUL, OMER
Problems in the control of flexible spacecrafts 03 p0320 N91-11786
MORHORST, GERALD D.
Cost-effective use of liquid nitrogen in cryogenic wind tunnels, phase 2
[NASA-CR-182088] 07 p0946 N91-15188

MORI, M.
Solid oxide fuel cells: Producing zirconia solid electrolyte thin films by doctor blade method
[DE91-736730] 09 p1355 N91-17442
Solid oxide fuel cells: A new cathode material (La, Sr)(Mn, Cr)O for SOFC
[DE91-736731] 10 p1539 N91-18469
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956
MORI, N.
Basic study of solid oxide fuel cells
[DE90-517069] 01 p0064 N91-10386
MORI, W. B.
Novel plasma-based frequency upshift methods for short pulse lasers
[DE91-000411] 03 p0370 N91-12076
MORI, YOSHIKAZU
Stretched VISSR subsystem 01 p0058 N91-10343
MORIAN, JOHN
NSTS operations utilization directorate
09 p1281 N91-17045
MORIARTY, ROBERT M.
Alkyl azides, diazides, haloazides and bridged polycyclic diazides
[AD-A236202] 19 p3141 N91-27357
MORIBE, K.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
MORICONI, MARK
The PegaSys environment for graphical documentation of large programs
[AD-A236557] 19 p3230 N91-27855
MORILLON, D.
SCI3: A knowledge based system for on-board assistance with the interpretation of infra-red images
17 p2731 N91-25123
SEAN: A navigation aid expert system for combat aircraft 17 p2734 N91-25137
MORIMOTO, A. K.
Techniques for controlling a two-link flexible arm
[DE91-004818] 07 p1012 N91-15555
MORIN, BRUCE L.
Experimental and analytical study of rippled trailing edge airfoils for compressor application
[AD-A237425] 21 p3513 N91-29508
MORIN, S.
Adsorption of pyridine at the Au(111)-solution intererface
[AD-A233347] 16 p2598 N91-24399
MORINO, YOSHIKI
Vibration testing of a 1/5 scale model of H-2 launch vehicle
[NAL-TR-1061] 01 p0016 N91-10099
MORIOKA, SHIGEKI
Numerical analysis of bubbly liquid in convergent-divergent nozzle 24 p3945 N91-32052
MORIOKA, SHOJI
On the large-scale structures formed by wakes of open cosmic strings 08 p1262 N91-16951
MORISAKI, MASASHI
Trilateration ranging subsystem
01 p0058 N91-10347
MORISON, J. D.
Formal semantic definition of ELLA timing
[RSRE-MEMO-4436] 12 p1959 N91-20780
SPRITE-ELLA language enhancements
[RSRE-MEMO-4441] 12 p1959 N91-20781
Bidirectionality, connectivity, and instantiations in ELLA
[RSRE-MEMO-4421] 22 p3729 N91-30757
MORISON, W. D.
Atomic oxygen erosion of polymer matrix composites
16 p2718 N91-25045
MORISSEAU, PHILIPPE
Nondestructive testing of composite structures by x ray tomography
[REPT-911-430-110] 16 p2589 N91-24347
MORISSETTE, S. L.
Preparation of YBa2Cu3O(x) superconductor via ternary precursors
[DE91-011121] 17 p2873 N91-25890
Formation of intermediate compounds during reduced pressure calcination of Y-Ba-Cu-O precursor
[DE91-011179] 18 p3071 N91-26971
MORITA, HIROSHI
Laser ionic multiphoton dissociation of some acrylate clusters
[AD-A233801] 18 p2945 N91-26247
MORITA, KOH-ICHIRO
CO mapping of the nuclear region of NGC 6946 and IC 342 with Nobeyama millimeter array
05 p0762 N91-14233
MORITA, TOSHIYUKI
Vibration testing of a 1/5 scale model of H-2 launch vehicle
[NAL-TR-1061] 01 p0016 N91-10099
Calculations for unsteady aerodynamic characteristics on a 3-D lifting body in subsonic flow using boundary element method
[NAL-TR-1065] 08 p1090 N91-15985
MORITA, YUKO
Trimmed sums of mixing triangular arrays with stationary rows
[AD-A226257] 04 p0573 N91-13182
MORITZ, MARY
In-house laboratory independent research program, FY88
[AD-A229665] 12 p1916 N91-20540
MORITZ, R. R.
Design/development issues for high bypass ratio fans
[PNR-90758] 01 p0012 N91-10076
MORIUCHI, SHIGERU
Intercomparison of measuring and evaluation methods for environmental radiations
[DE91-772227] 17 p2809 N91-25527
MORIYA, M.
A new ground data system for Akebono (EXOS-D) satellite 14 p2209 N91-22200
MORIYAMA, S.
Transport phenomena in ultra-long discharge
10 p1600 N91-18826
MORK, STEVEN W.
Evidence of vibrational mode-coupling in 2-fluorethanol via high resolution infrared spectroscopy in a molecular beam
[AD-A236132] 20 p3396 N91-28821
High resolution infrared spectroscopy of 2-fluorethanol in a molecular beam
[AD-A236149] 20 p3396 N91-28822
MORKOC, H.
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811
Novel high speed devices and heterostructures prepared by molecular beam epitaxy
[AD-A230389] 12 p1989 N91-20945
GaAs/AlGaAs electronics and InGaAs(P) optoelectronics on InP substrates by gas source MBE
[AD-A230622] 12 p1991 N91-20957
MORKOC, HADIS
Plasma enhanced gas source molecular beam epitaxy deposition of high quality GaN
[AD-A230345] 12 p1988 N91-20942
MORLAN, LINDA J.
Methods to determine the compatibility and degradation of organic materials
[AD-A237940] 21 p3468 N91-29234
MORLEY, NICHOLAS J.
Conceptual studies on the integration of a nuclear reactor system to a manned rover for Mars missions
[NASA-CR-185841] 19 p3244 N91-27939
MOROSIN, B.
Electronic charge density and bonding in alpha-boron: An experimental-theoretical comparison
[DE91-006629] 11 p1809 N91-19936
On the crystal structure of boron carbides
[DE91-009256] 13 p2161 N91-21914
Annealing and structure studies on Tl-2223 and Tl-1223 crystals
[DE91-014903] 20 p3434 N91-29052
Superconducting superoxygenated La(2-x)Sr(x)CuO(4+delta): Search for phase separation
[DE91-015334] 21 p3594 N91-29995
MOROZ, V. I.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175
MOROZOV, A. I.
Near-wall conductivity 23 p3927 N91-31944
MORRE, JAMES
A toluene model for hydrocarbon risk assessment
[AD-A225358] 03 p0388 N91-12163
MORRELL, F. R.
Flight test results of failure detection and isolation algorithms for a redundant strapdown inertial measurement unit 04 p0486 N91-12701
MORRELL, FREDERICK R.
Joint University Program for Air Transportation Research, 1989-1990
[NASA-CP-3095] 11 p1637 N91-19024
MORREN, SYBIL HUANG
Transonic aerodynamics of dense gases
[NASA-TM-103722] 12 p1828 N91-20045
MORREN, W. EARL
Preliminary performance and life evaluations of a 2-kW arcjet
[NASA-TM-105149] 22 p3639 N91-30252
MORRILL, THOMAS H.
General relativistic continuum mechanics and the post-Newtonian equations of motion
18 p3074 N91-26987
MORRIS, A. L.
The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752
MORRIS, ALAN S.
Ultrasonic location measurement for fast robot control: A transputer-based environment
[RR-380] 07 p1011 N91-15550
MORRIS, ANDREA L.
An extended model for electron spin polarization in photosynthetic bacteria
[DE91-006091] 10 p1558 N91-18569
MORRIS, B. R.
Assessment of the application of the working group 22 standard bump concept to a current military aircraft
20 p3285 N91-28166
MORRIS, BRIAN G.
Tank gauging apparatus and method
[NASA-CASE-MSC-21059-2] 07 p1004 N91-15511
Tank gauging apparatus and method
[NASA-CASE-MSC-21059-3] 13 p2089 N91-21495
MORRIS, BRUCE L.
Long-rod penetration of confined ceramic tiles
[AD-A234312] 18 p2994 N91-26534
MORRIS, C. E.
Bauschinger effect during shock loading
[DE91-014606] 20 p3364 N91-28634
Influence of loading rate on the mechanical response and substructure evolution of shock-loaded copper
[DE91-013390] 23 p3814 N91-31276
Sweet potato for closed ecological life support systems using the nutrient film technique
23 p3902 N91-31782
MORRIS, CARLTON E.
Effect of biweekly shoot tip harvests on the growth and yield of Georgia Jet sweet potato grown hydroponically
19 p3266 N91-28065
Effect of channel size on sweet potato storage root enlargement in the Tuskegee University hydroponic nutrient film system 19 p3266 N91-28066
MORRIS, CHARLES E.
Shock-wave equation-of-state studies at Los Alamos
[DE91-005734] 10 p1606 N91-18861
MORRIS, D. E.
Actinide speciation by photothermal spectroscopies: Instrumentation development
[DE91-001854] 05 p0666 N91-13700
Pulsed photothermal spectroscopy applied to lanthanide and actinide speciation
[DE91-007391] 12 p1867 N91-20258
MORRIS, DAVID
Recent developments in the area of aircraft rough field performance 20 p3283 N91-28154
MORRIS, DEREK
Report on the Special Hydrogen Maser Workshop
17 p2855 N91-25786
MORRIS, DON H.
Damage development under compression-compression fatigue loading in a stitched uniwoven graphite/epoxy composite material
[NASA-CR-188693] 20 p3305 N91-28292
MORRIS, E. G.
Long-term testing and evaluation of cathode components in a commercial aluminum cell, volume 1
[DE90-010896] 21 p3502 N91-29436
MORRIS, FRANCIS E.
Pulsed interference canceler of high power out-of-band pulse interference signals
[AD-D014603] 07 p0990 N91-15431
MORRIS, H. E.
Measurement of electromagnetic fields over a small electrolytic tank
[DE91-007500] 11 p1695 N91-19334
Borehole Radar Evaluation Program: Antenna designs for optimal directionality
[DE91-014322] 20 p3336 N91-28475
MORRIS, J.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480
MORRIS, J. R.
Irradiance compensation control for high-energy laser propagation. Part 1: Theory and Fourier control model propagation results
[DE91-013130] 20 p3351 N91-28559
MORRIS, J. W., JR.
Textural characterization and its applications on zinc electrogalvanized steels
[DE91-000354] 03 p0341 N91-11914

Superplastic creep of eutectic tin-lead solder joints
[DE91-009074] 13 p2105 N91-21586
The strength and toughness of stainless steels at cryogenic temperature
[DE91-009771] 15 p2402 N91-23300
The cryogenic mechanical properties of Vintage 3 Al-Li-Zr alloy 2090-T81
[DE91-011897] 18 p2956 N91-26311
Tensile deformation of Al-Cu-Li-Zr alloy 2090-T8E41 at 298 and 77 K
[DE91-011885] 20 p3314 N91-28345
Metastable austenites in cryogenic high magnetic field environments
[DE91-016420] 23 p3816 N91-31288

MORRIS, JAMES
SKITTER foot design
[NASA-CR-184932] 03 p0319 N91-11782

MORRIS, JEFFREY ALLEN
Passive Q-switching of a diode-pumped neodymium:YAG laser 22 p3682 N91-30504

MORRIS, JEFFREY B.
Laser-based multiphoton excitation processes in combustion diagnostics
[AD-A226031] 04 p0501 N91-12783
Ultraviolet excimer laser-based ignition of H2/air and H2/O2 premixed flows
[AD-A226389] 04 p0529 N91-12934
Laser microplasma-gas chromatography detector. 2: Detection of species-specific fragment emission
[AD-A228373] 08 p1112 N91-16106
Report on using expert systems for computer-aided formulation and property estimation of propellants. 1: Expert system shell selection and initial package design
[AD-A237567] 21 p3493 N91-29383

MORRIS, K. A.
Dissipative controller designs for second-order dynamic systems
[NASA-CR-187452] 05 p0706 N91-13935

MORRIS, M.
Space-based Doppler lidar sampling strategies: Algorithm development and simulated observation experiments
[NASA-CR-184172] 21 p3521 N91-29554

MORRIS, M. D.
Bayesian approximation of solutions to linear ordinary differential equations
[DE91-007872] 11 p1784 N91-19785
Bayesian design and analysis of computer experiments: Use of derivatives in surface prediction
[DE91-013147] 20 p3385 N91-28751

MORRIS, MARIANA
Characterization of blood drawn rapidly for use in blood volume expansion studies: An animal model for simulated weightlessness 14 p2204 N91-22175

MORRIS, MICHAEL G.
A comparison of human-computer interfaces in Air Force organizations
[AD-A229708] 14 p2300 N91-22712

MORRIS, P. B.
Analysis and evaluation of selected PACE applications
[AD-A239726] 23 p3788 N91-31124

MORRIS, P. J.
Fundamental hydrodynamics research
[AD-A225030] 03 p0374 N91-12092
Wave models for turbulent free shear flows
13 p2015 N91-21086
Fundamental hydrodynamics research
[AD-A232650] 15 p2428 N91-23451
A comparison of numerical methods for the Rayleigh equation in unbounded domains
[NASA-TM-105179] 22 p3744 N91-30865

MORRIS, PETER B.
Enhancement of the omega system availability algorithm
[AD-A224814] 03 p0310 N91-11739
Omega system availability as a global measure of navigation accuracy
[AD-A229492] 22 p3616 N91-30114

MORRIS, PHILIP J.
Reynolds stress closure in jet flows using wave models
[NASA-CR-185717] 05 p0655 N91-13640

MORRIS, R. E.
Predicting polymer properties by computational methods. Part 1: Polyvinyl chloride and its homologs
[AD-A235434] 19 p3137 N91-27333

MORRIS, RICHARD V.
Experimental reduction of simulated lunar glass by carbon and hydrogen and implications for lunar base oxygen production 11 p1822 N91-20009
Iron mineralogy of a Hawaiian palagonitic soil with Mars-like spectral and magnetic properties
14 p2350 N91-22997

MORRIS, ROBERT A.
A design for an intelligent monitor and controller for space station electrical power using parallel distributed problem solving 18 p3095 N91-27105

MORRIS, S.
An assessment of CO2 greenhouse gas mitigation technologies
[DE91-011972] 18 p3007 N91-26605

MORRIS, SHELBY J., JR.
Computer program for estimating performance of air-breathing aircraft engines
[NASA-TM-4254] 14 p2191 N91-22103

MORRIS, STEPHEN JAMES
Integrated aerodynamic and control system design of oblique wing aircraft 05 p0624 N91-13459

MORRIS, T. J.
Characterization of a defective interfering RNA that contains a mosaic of a plant viral genome
[DE91-007897] 11 p1763 N91-19702
Characterization of a defective interfering RNA that contains a mosaic of a plant viral genome
[DE91-007898] 11 p1763 N91-19703

MORRIS, W. DOUGLAS
Parametric trade studies on a Shuttle 2 launch system architecture
[NASA-TP-3059] 10 p1484 N91-18180

MORRISH, ARTHUR A.
Method of growing diamond film on substrates
[AD-D014632] 06 p0811 N91-14479

MORRISON, ANDREW D.
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU]
07 p1072 N91-15898

MORRISON, B. J.
Numerical simulation of the comparative electrical performance of the permeable base transistor, opposed gate-source transistor and heterostructure launched ballistic field effect transistor
[AD-A228545] 08 p1128 N91-16202

MORRISON, CLYDE A.
Theoretical temperature-dependent branching ratios and laser thresholds of the (5)I7 yields (5)I8 levels of Ho3(+) in ten garnets
[NASA-TM-103429] 05 p0726 N91-14053
Host materials for 4d(sup N) and 5d(sup N) transition-metal ions
[AD-A231606] 13 p2163 N91-21933
Energy levels and branching ratios of Tm(3)+ in ten garnet laser materials
[AD-A235274] 18 p2991 N91-26514
Possible hosts for quadruply ionized 3d(sup N) transition metal ions: Na2TiSiO5, Y2SiBe2O7, Bi4X3O12, and Bi12XO20 (X = Si, Ge)
[AD-A236543] 19 p3255 N91-28007

MORRISON, DAVID
Planetary astronomy 24 p4120 N91-33027

MORRISON, DENNIS R.
Spiral vane bioreactor
[NASA-CASE-MSC-21361-1] 13 p2126 N91-21701

MORRISON, E.
Gravitational wave research 23 p3894 N91-31732

MORRISON, GERALD L.
The 3-D laser anemometer study of compressible flow through orifice plates
[PB90-216771] 01 p0046 N91-10273

MORRISON, I.
Hexadecapole systematics in the interacting boson model
[DE91-618305] 16 p2684 N91-24864

MORRISON, J. J.
Progress toward steady-state, high-efficiency vircators
[DE91-008064] 12 p1894 N91-20415

MORRISON, JEFFREY
Adaptive function allocation for intelligent cockpits
[AD-A239714] 23 p3907 N91-31808

MORRISON, JOHN E.
Research and methods for simulation design: State of the art
[AD-A230076] 12 p1930 N91-20623

MORRISON, JON W.
An optically pumped molecular bromine laser
[AD-A230677] 12 p1904 N91-20476

MORRISON, P. J.
Action principles for the Vlasov equation: Four old, one new
[DE91-008177] 11 p1784 N91-19787
Exact solutions for a system of nonlinear plasma fluid equations
[DE91-014367] 20 p3420 N91-28965
Hamiltonian chaos and transport in quasigeostrophic flows
[DE91-017385] 24 p4018 N91-32464

MORRISON, P. W.
In-situ monitoring of laser ablation of superconductors
[DE91-012057] 18 p2992 N91-26524

MORRISON, PHILIP W., JR.
Novel on-line characterization method for suspended particles
[PB90-257478] 09 p1332 N91-17315
Epitaxial growth of single crystal diamond on silicon
[AD-A237758] 21 p3596 N91-30007

MORRISON, ROBERT
Spectroscopic analyses and performance of copper/zinc impregnated, activated carbons
[AD-A231693] 14 p2239 N91-22387

MORRISON, RUSTY
Advanced sensors and instrumentation
09 p1281 N91-17041

MORRISON, T. R.
Ship roll stabilization and human performance
[AD-A232721] 15 p2478 N91-23721

MORRISSEY, STEPHEN J.
Information and problem report usage in system saftey engineering division 10 p1632 N91-18999

MORROW, DANIEL
Analysis of routine communication in the air traffic control system
[NASA-CR-188116] 14 p2256 N91-22475

MORROW, J. DAN
Optimal sensor fusion for land vehicle navigation
[DE91-002586] 06 p0779 N91-14319

MORROW, R. C.
Technology for subsystems of space-based plant growth facilities 23 p3905 N91-31799

MORROW, ROBERT C.
Environmental and cultural considerations for growth of potatoes in CELSS 23 p3902 N91-31779

MORSCHER, GREGORY N.
A simple test for thermomechanical evaluation of ceramic fibers
[NASA-TM-103767] 13 p2055 N91-21309

MORSE, A. S.
Adaptive output-feedback control of systems with output nonlinearities
[AD-A231249] 13 p2142 N91-21793

MORSE, A. STEPHEN
Systematic design of adaptive controllers for feedback linearizable systems
[AD-A228739] 09 p1389 N91-17643

MORSE, CHANNING S.
ADFCS and NOTAR (trademark): Two ways to fix flying qualities 15 p2369 N91-23110

MORSE, D. H.
Proton Energy Loss (PEL) material characterization
[DE91-011545] 20 p3307 N91-28306

MORSE, E. C.
A tandem, microwave-driven cusp negative ion source
[AD-A236227] 19 p3242 N91-27932

MORSE, J.
InGaAs/GaAs graded superlattices in photodetectors for wavelengths beyond 1 micron
[DE90-012073] 21 p3590 N91-29969

MORSE, JOHN D.
Graded Al(x)Ga(1-x)As photoconductive devices for high efficiency picosecond optoelectronic switching
[DE91-007143] 10 p1609 N91-18879

MORSE, R. E.
Personal papers in the United States Air Force Historical Research Center, 5th edition
[PB91-156380] 18 p3076 N91-26999

MORSE, R. L.
Droplet shattering, vaporization, and recondensation in cloud clearing with long pulse infrared chemical lasers
[DE90-010584] 08 p1152 N91-16343

MORSE, T. F.
Modified chemical vapor deposition of gradient index lenses
[AD-A230989] 13 p2050 N91-21281

MORT, KENNETH W.
Structural integrity of wind tunnel wooden fan blades
[NASA-TM-104059] 14 p2276 N91-22589

MORT, MICHAEL STEVEN
A method of analyzing air system performance based on shape distortion
[AD-A226193] 04 p0554 N91-13073

MORTAZAWI, AMIR
Microwave and millimeter-wave oscillators and planar power combining structures for QWITT and Gunn diodes
[AD-A226246] 04 p0520 N91-12893

MORTENSEN, G. A.
Particle-fluid two-phase flow modeling
[DE91-010102] 15 p2422 N91-23415

MORTLEY, D. G.
Sweet potato for closed ecological life support systems using the nutrient film technique
23 p3902 N91-31782

MORTLEY, DESMOND G.
Effect of biweekly shoot tip harvests on the growth and yield of Georgia Jet sweet potato grown hydroponically
19 p3266 N91-28065

Effect of channel size on sweet potato storage root enlargement in the Tuskegee University hydroponic nutrient film system 19 p3266 N91-28066

MORTON, BLAISE
Advanced topics in robust control. Volume 2: Invariants and structured singular values
[AD-A225219] 03 p0409 N91-12285

MORTON, DENNIS P.
Hardware modeling and top-down design using VHDL
[AD-A239356] 23 p3862 N91-31534

MORTON, JOHN
Strength scaling in fiber composites
[NASA-CR-4335] 03 p0376 N91-12104

MORTON, S. K.
Uncertainty reasoning applied to the assessment of composite material for structural design
[BU-405] 11 p1677 N91-19244
An expert system for laminated plate design using composite materials
[BU-406] 11 p1677 N91-19245
A knowledge based expert system for laminated composite strut design
[BU-410] 11 p1678 N91-19247

MORUA, MICHAEL L.
A circuit model for an inductive strip in homogeneous finline
[AD-A238001] 21 p3507 N91-29466

MORUKOV, B. V.
The 370-day antiorthostatic hypokinesia: Goals and protocols 19 p3210 N91-27745

MORZENTI, ANGELO
An object-oriented logic language for modular system specification
[REPT-90-027] 05 p0704 N91-13927

MOSELEY, N. A.
Geological mapping in the Camel Flat-Allambi region of the Amadeus Basin with the NS001 airborne scanner 19 p3192 N91-27651

MOSER, F.
Optical and mechanical properties of mixed silver halide crystals 15 p2498 N91-23837

MOSER, M.
Is physiological tremor (microvibration) influenced by microgravity 11 p1745 N91-19595

MOSER, ROBERT D.
Characteristic eddy decomposition of turbulence in a channel
[NASA-TM-100065] 13 p2082 N91-21470

MOSER, T. J.
Ecological exposure and effects of airborne toxic chemicals: An overview
[PB91-148460] 18 p3005 N91-26594

MOSES, C. A.
The effect of fuel properties and atomization on low temperature ignition in gas turbine combustors 23 p3794 N91-31164

MOSES, J. DANIEL
Plasma properties of hot coronal loops utilizing coordinated SMM and solar research rocket observations
[NASA-CR-186094] 21 p3584 N91-29937

MOSES, O. D.
Learning curve and rate adjustment models: Comparative prediction accuracy under varying conditions
[AD-A230075] 12 p1930 N91-20622
Learning curve and rate adjustment models: An investigation of bias
[AD-A233115] 16 p2697 N91-24938

MOSES, R. L.
Bispectral analysis of radar signals with application to target classification
[AD-A229388] 22 p3657 N91-30356

MOSES, RONALD W.
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739

MOSES, RONALD W., JR.
Magnetic turbulent electron transport in a reversed field pinch
[DE91-001898] 05 p0718 N91-14009
Kinetic and electromagnetic transport processes in toroidal devices
[DE91-001901] 05 p0719 N91-14011

MOSES, STEWART L.
Large scale motions of Neptune's bow shock: Evidence for control of the shock position by the rotation phase of Neptune's magnetic field
[NASA-CR-188059] 14 p2343 N91-22954

MOSHIER, W. C.
Fabrication of intermetallic compounds by solid state reaction of roll-bonded materials
[AD-A231720] 14 p2240 N91-22388
A study of the influence of alloying additions on the passivity of aluminum
[AD-A232965] 16 p2600 N91-24410

MOSHIER, WILLIAM C.
Fabrication of intermetallic compounds by solid state reaction of roll-bonded materials
[AD-A225862] 04 p0504 N91-12797

MOSIER-BOSS, P. A.
Assessment of Li/SOCl2 battery technology: Reserve, thin-cell design, volume 3
[AD-A226184] 04 p0519 N91-12892

MOSKALENKO, YU. YE.
Cerebral-vascular effects of motion sickness 10 p1561 N91-18584

MOSKO, JOSEPH A.
Broadband coupling structures for microwave arithmetic circuits and phased arrays 07 p0942 N91-15163

MOSKOVITZ, CARY A.
Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] 23 p3790 N91-31140

MOSKOWITZ, IRA S.
Noise effects upon a simple timing channel
[AD-A230818] 13 p2130 N91-21726

MOSKOWITZ, WARREN P.
Program to perform research on the density of the upper atmosphere using lidar techniques
[AD-A235549] 19 p3199 N91-27684

MOSLEY, W. C.
Effects of radiolytic tritium decay on the thermodynamic behavior of LaNi(4.25)Al(0.75) tritides
[DE91-007961] 11 p1684 N91-19277

MOSS, C.
Galaxy interactions and star formation: Results of a survey of global H-alpha emission in spiral galaxies in 8 clusters 08 p1254 N91-16905

MOSS, C. E.
Comparison of some x ray sensors for verification
[DE90-011990] 08 p1148 N91-16323
Measurements of induced radioactivity in some LDEF samples 16 p2708 N91-24986
Measurements of induced radioactivity in some LDEF samples
[DE91-016309] 24 p4095 N91-32882

MOSS, DON
WetNet operations 24 p4058 N91-32668

MOSS, FRANK
Chaotic and bifurcating nonlinear systems driven by noise with applications to laser dynamics
[AD-A234841] 18 p2990 N91-26512

MOSS, J. M.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682

MOSS, JAMES N.
Direct simulation of rarefied hypersonic flows 02 p0155 N91-10901

MOSS, MARY G.
Development of miniature temperature sensors
[AD-A232964] 16 p2630 N91-24560

MOSS, R.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463

MOSS, STEVEN W.
Some buffet response characteristics of a twin-vertical-tail configuration
[NASA-TM-102749] 05 p0615 N91-13412

MOSS, T. S.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758

MOSSAHEB, MASSUD
Isokinetic force velocity and electromyographic characteristic of knee and elbow extensor and flexor muscles in the 0-g environment 11 p1743 N91-19584

MOSSAYEBI, F.
Exact and approximate solutions to the oblique shock equations for real-time applications
[NASA-CR-187173] 21 p3452 N91-29147

MOSSBERG, THOMAS W.
Experimental studies of fundamental problems in quantum optics
[AD-A235454] 19 p3245 N91-27945

MOSTERT, RENE
Compiler generation based on grammar inheritance
[MEMO-INF-90-07] 03 p0405 N91-12257

MOSZUR, F. M.
Computer simulation and scientific visualization
[DE91-006394] 10 p1575 N91-18668
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719

MOTEVALLI, V.
Transient characteristics of unconfined fire plume-driven ceiling jets
[PB90-227976] 01 p0033 N91-10193

MOTHEO, ARTUR J.
The adsorption of bromide ion at mercury from propylene carbonate solutions of constant ionic strength
[AD-A237020] 19 p3128 N91-27281

MOTHS, JANIS
Genesis lunar outpost: An evolutionary lunar habitat 10 p1481 N91-18158

MOTLEY, R. W.
Atomic oxygen beam source for erosion simulation 12 p1951 N91-20733
Characterization of a 5-eV neutral atomic oxygen beam facility 12 p1952 N91-20736

MOTOJIMA, O.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937

MOTSCHMANN, U.
Multiple-ion waves behind shocks 01 p0071 N91-10429

MOTT, L. P.
High threshold HR (Highly Reflective) coatings at 1064 nm
[DE91-006236] 10 p1528 N91-18415

MOTT, P.
The molecular view of plastic deformation and precursor processes of crazing in glassy polypropylene and polycarbonate
[AD-A237333] 21 p3487 N91-29346

MOTT, PETER
The atomic strain tensor
[AD-A237287] 21 p3574 N91-29877

MOTT, PETER H.
Simulation of large deformation in glassy atactic polypropylene
[AD-A237223] 21 p3486 N91-29340

MOTTER, MARK A.
Simulation of pressure and temperature responses for the 20 Inch Supersonic Wind Tunnel
[NASA-TM-102647] 05 p0626 N91-13467

MOTTERSHEAD, TOM
High-order optics of multipole magnets
[DE90-016438] 01 p0121 N91-10717

MOTYKA, P. R.
Flight test results of failure detection and isolation algorithms for a redundant strapdown inertial measurement unit 04 p0486 N91-12701

MOU, Y.
Fundamental studies of beta phase decomposition modes in titanium alloys
[AD-A230550] 12 p1870 N91-20276

MOUCHET, M.
UV orbital variability in the intermediate polar H2215-086 09 p1440 N91-17938
Cataclysmic variables with anomalous UV emission line spectrum 09 p1440 N91-17939

MOUGINIS-MARK, P.
Proceedings of the MEVTV Workshop on The Evolution of Magma Bodies on Mars
[NASA-CR-187357] 05 p0766 N91-14252

MOUGINIS-MARK, PETER
Report of the panel on volcanology, section 4 13 p2106 N91-21593

MOUGINIS-MARK, PETER J.
Evolution of the Olympus Mons Caldera, Mars 14 p2350 N91-22998
Constraints on the depth and geometry of the magma chamber of the Olympus Mons Volcano, Mars 14 p2352 N91-23010

MOULATSIOTIS, DIMITRIOS
Mechanical behavior of a nickel based alloy UDIMET 700 fabricated by powder metallurgy
[JUEL-2414] 23 p3815 N91-31283

MOULIN, H. R.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712

MOULINES, ERIC
Code and modification algorithms of prosodic parameters for speech synthesis from text
[TELECOM-90-E-004] 12 p1959 N91-20777

MOULTON, PETER F.
Chromium sensitized garnets for mid-IR lasers
[AD-A226630] 05 p0665 N91-13696

MOUMIDA, DRISS
Contribution to the study of the dynamics of an automata with memory
[ETN-90-98205] 04 p0571 N91-13169

MOUNIR, H.
RADAR performance experiments 16 p2555 N91-24168

MOUNIRALAOUI, AMINE
Temporal reasoning for planning and situation assessment
[LAAS-90353] 10 p1578 N91-18686

MOUNT, ROBERT S.
Advanced stratified charge rotary engine technology for general aviation systems 04 p0460 N91-12569
MOUNTAIN, C. M.
High resolution sub-millimetre mapping of starburst galaxies: Comparison with CO emission 05 p0740 N91-14129
Radiatively-cooled telescopes for infrared space astronomy 13 p2180 N91-22048
MOUNTAIN, D. G.
Surface and bottom temperature distribution for the Northeast continental shelf
[PB90-252172] 02 p0242 N91-11349
MOUNTEER, T. D.
A measurement system for aircraft/weapon electromagnetic compatibility
[DE91-011504] 19 p3148 N91-27400
MOURAD, KASSEM MOUSTAFA
The application of the boundary element method to predict the response of a differential operator model for a coupled viscoelastic-acoustic system 10 p1522 N91-18383
MOURENAS, D.
Electron gyro-harmonics generated by spaceborne artificial electron beam 10 p1552 N91-18533
MOUROU, GERARD
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility
[DE91-001685] 05 p0665 N91-13698
Ultrafast optical electronics center
[AD-A226669] 05 p0726 N91-14054
MOUSAVI, MADJID SAM
Computer stereo vision for 3-D object location using a neural network architecture 16 p2674 N91-24801
MOVCHAN, M. B.
Properties of high-cleanness high-strength steel 12GN2MFAYu 19 p3132 N91-27309
MOWATT, LARRY
Silicon Wafer Advanced Packaging (SWAP). Multichip Module (MCM) foundry study, version 2
[AD-A237412] 21 p3505 N91-29452
MOXNES, JOHN
Instability of shaped charged jets with general constitutive equations
[FFI-91/4004] 24 p3975 N91-32203
MOYA, MARIO N.
Multidisciplinary modeling and design of a space structure
[AD-A230626] 12 p1856 N91-20198
MOYANO, E. A.
Solution of moving boundary problems with implicit boundary condition
[DE91-623308] 17 p2847 N91-25740
MOYEED, R. A.
Stochastic approximation of the MLE for a spatial point pattern
[CWI-BS-R8926] 02 p0263 N91-11475
MOYER, KERRY A.
Aircraft measurements of the mean and turbulent structure of marine stratocumulus clouds during FIRE 01 p0087 N91-10514
MOYER, S. A.
Euler and potential experiment/CFD correlations for a transport and two delta-wing configurations
[NASA-TM-102208] 01 p0003 N91-10014
MOYER, SANDRA
Experimental development, testing, and research work in support of the inertial confinement fusion program
[DE91-002770] 05 p0721 N91-14026
MOYLE, LAURELI M.
Defining acquisition and contracting terms associated with contract administration
[AD-A229462] 22 p3762 N91-30974
MOYLE, ROBERT B.
Moving-bank multiple model adaptive estimation and control applied to a large flexible space structure
[AD-A230515] 12 p1855 N91-20192
MPITSOS, GEORGE J.
Parallel processing and learning: Variability and chaos in self-organization of activity in groups of neurons
[AD-A234589] 18 p3032 N91-26737
MRAZ, P. J.
Adaptation of NASA technology for the optimization of orthopedic knee implants 14 p2356 N91-23032
MRAZEK, F. C.
Development of prototype sealed bipolar lithium/sulfide cells
[DE91-015721] 23 p3859 N91-31519
MRIG, L.
Photovoltaic module reliability workshop
[DE91-002120] 12 p1919 N91-20560
MROWKA, S.
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
MSEZANE, ALFRED Z.
Theoretical investigation of electron-positive ion/atom interactions
[DE91-006844] 10 p1592 N91-18783
MUCKLOW, GLENN H.
Automatic satellite tracking system for the NASA Satellite Photometric Observatory
[NASA-TM-105037] 23 p3800 N91-31194
MUDRY, ANDREW H.
A proposed method of FSK generation and demodulation for the DREO radio test bed
[AD-A229660] 12 p1884 N91-20356
MUECK, KONRAD
Examination of debris from satellites with nuclear reactors: A comparison of different methods
[OEFZS-4541] 09 p1297 N91-17122
Cs-137 soil to plant transfer studies and their implications on parameters used in the Austrian version of ECOSYS
[OEFZS-4563] 17 p2816 N91-25566
MUEHLBAUER, K.
Combining base-motion testing with techniques developed for point-force excitation for the modal identification of mechanical structures 07 p0956 N91-15257
New capabilities in modal testing on large-scale project level 07 p0956 N91-15258
MUELLER-STACH, M.
Characterization of nanocrystalline Pd by x ray diffraction and EXAFS
[DE91-006441] 09 p1416 N91-17794
MUELLER, ARNOLD W.
Helicopter far-field acoustic levels as a function of reduced main-rotor advancing blade-tip Mach number
[NASA-TM-102684] 01 p0118 N91-10699
MUELLER, BERNHARD
Experimental investigation of cross-flow instability in the linear and non-linear stage of the transition region
[DLR-FB-90-09] 03 p0367 N91-12057
MUELLER, C.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
MUELLER, C. J.
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719
MUELLER, CHRISTIAN
Vertically moving visual stimuli and vertical vection: A tool against space motion sickness 11 p1747 N91-19606
Ground systems for handling packet telemetry and commands: A case study, the Eureca mission 14 p2214 N91-22235
MUELLER, D. C.
Ignition and combustion characteristics of metallized propellants
[NASA-CR-187951] 10 p1506 N91-18289
MUELLER, E.
Thermal instabilities in cooling flows: The evolution of nearly spherical perturbations
[MPE-PREPRINT-176] 11 p1700 N91-19365
MUELLER, F. M.
Bosonic mechanism for high-temperature
[DE91-008592] 12 p1992 N91-20966
Fermi surface of YBCO by DHVA
[DE91-009963] 15 p2516 N91-23943
De Haas van Alphen effect in high temperature superconductors
[DE91-016198] 24 p4006 N91-32397
MUELLER, G.
Preparation of crystalline SiC thin films by PECVD and by ion beam modification of silicon
[MBB-Z-0349-90-PUB] 22 p3761 N91-30964
Floating zone growth of GaAs crystals (TEXUS 20) 23 p3835 N91-31386
Directional solidification of eutectics InSb-NiSb (TEXUS 10) 23 p3838 N91-31405
MUELLER, G. A.
Study on ECW transmission lines for NET/ITER
[EUR-FU/80/90-99] 08 p1230 N91-16781
MUELLER, GERHARD
Structural and electronic properties of doped a-Si(1-x)Ge(x): H alloys grown with H-solution
[MBB-Z-0251-89-PUB] 03 p0424 N91-12375
MUELLER, H. P.
COMTESS: Combat Mission Training Evaluation and Simulation System 07 p1046 N91-15742
MUELLER, IVAN I.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
MUELLER, J.
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
MUELLER, J. M.
A system for the testing of hybrid rocket motors 16 p2572 N91-24253
MUELLER, KLAUS W.
Examinations of erosions in thyristors for surge current loads with the single pulse detector for infrared observation 'EMIR'
[ETN-91-98499] 07 p0999 N91-15485
MUELLER, OTFRIED
Increased mitogenic response in lymphocytes from chronically centrifuged mice 11 p1752 N91-19634
MUELLER, PAUL
Hardware Implementation of Neuron Nets and Synapses Workshop
[AD-A237704] 21 p3549 N91-29718
Design and hardware implementation of neural systems
[AD-A237703] 21 p3563 N91-29804
MUELLER, PETER
Dynamics of small-scale oceanic motions
[AD-A231718] 14 p2292 N91-22674
MUELLER, R.
Optimization of a laser diode anemometry system
[LSTM-239/T/88] 08 p1155 N91-16364
Fiber optic interferometric measuring method for the determination of a very small polarization coefficient
[MBB-UA-1185-90-PUB] 11 p1799 N91-19876
The pre-screening of large semiconductor memories for space application 24 p4000 N91-32357
MUELLER, ROBERT
Development of a high performance heat pipe for thermal control in future spacecraft
[MBB-UO-0090-90-PUB] 04 p0493 N91-12740
MUELLER, TILMAN
Integrated compensation of geodetic nets in point masses model
[SER-C-362] 24 p4035 N91-32547
MUELLER, W.
Growth of a Si crystal covered with a SiO2 skin (TEXUS 12) 23 p3835 N91-31385
MUELLER, WILLIAM J.
Planar end-fire array
[AD-D014726] 12 p1880 N91-20334
MUELLERSCHOEN, RONALD J.
Downdating a time-varying square root information filter 09 p1290 N91-17090
MUENCH, H. S.
The hemispheric eighth mesh terrain elevation and geography data sets
[AD-A231592] 13 p2111 N91-21624
MUENCHAUSEN, R. E.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
Effects of processing parameters on the laser deposition of high temperature superconducting thin films
[DE91-005937] 09 p1343 N91-17374
Diagnostic studies of YBa2Cu3O(7-delta) laser ablation
[DE91-011382] 18 p2991 N91-26515
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
MUENDEL, M.
Short-pulse glass slab amplifier
[DE91-015385] 21 p3525 N91-29580
The MIT short-wavelength laser project
[DE91-015357] 21 p3525 N91-29582
MUENDEL, M. H.
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
MUENOW, DAVID W.
Volatile compounds in shergottite and nakhlite meteorites 14 p2349 N91-22993
MUENSCHAUSEN, R. E.
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
MUENZEN, JEANNE L.
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 4: Geographic mapping CSCI
[AD-A235275] 18 p3042 N91-26794
MUGHABGHAB, S.
Light weight space power reactors for nuclear electric propulsion
[DE91-014803] 21 p3468 N91-29232
A nuclear thermal rocket engine design based on the particle bed reactor suitable for a Mars mission
[DE91-016898] 24 p3967 N91-32160
MUGHAL, M. S.
Hypersonic flow of a vibrationally-relaxing gas past a slightly blunted slender wedge 14 p2186 N91-22075
MUHLEMAN, D. O.
Recent studies of the optical properties of dust and cloud particles in the Mars atmosphere and the interannual frequency of global dust storms 18 p3085 N91-27060

MUHLEMAN, DUANE O.
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182
MUHS, J. D.
Dynamic high-temperature-phosphor thermometry
[DE91-005632] 10 p1526 N91-18405
MUIGG, ARMIN
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588
MUINONEN, KARRI
The 1990 MB: The first Mars Trojan 17 p2894 N91-25996
MUIR, D. E.
Climatic considerations in the life cycle management of the CF-18 engine 23 p3793 N91-31158
MUIR, E. A. M.
The RAE generic VSTOL aircraft model: GVAM87 documentation guide
[RAE-TM-FM-38] 09 p1277 N91-17018
MUIR, J. L.
Space tug: An orbital transfer vehicle
[BU-513] 14 p2207 N91-22188
MUIR, JAMES F.
Carbon dioxide reforming of methane in a solar volume-TRIC receiver-reactor: The CAESAR (Catalytically Enhanced Solar Absorption Receiver) project
[DE91-002340] 05 p0683 N91-13800
Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish. 2: Modeling and analysis
[DE91-005859] 10 p1540 N91-18475
Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish
[DE91-005054] 10 p1544 N91-18497
MUIRA, R. M.
Perturbation techniques for models of bursting electrical activity in pancreatic (beta)-cells
[DE91-013901] 21 p3548 N91-29715
MUKAI, K.
UV orbital variability in the intermediate polar H2215-086 09 p1440 N91-17938
MUKERJI, I.
Fluorescence spectroscopy of excitation transfer in Photosystem 1
[DE91-011867] 18 p3021 N91-26681
MUKHERJEE, A. K.
Strain enhanced microstructural evolution
[DE91-011921] 18 p2957 N91-26318
MUKHERJEE, AMIYA K.
Strengthening mechanisms, creep, and fatigue processes in dispersion hardened niobium alloy
[AD-A237784] 21 p3482 N91-29313
MUKHIN, LEV M.
The role of impacting processes in the chemical evolution of the atmosphere of primordial Earth 14 p2346 N91-22975
The Oort cloud 14 p2346 N91-22978
MUKHOPADHYAY, NIMAI C.
Theoretical aspects of electroweak and other interactions in medium energy physics
[DE91-004783] 07 p1065 N91-15857
MUKHOPADHYAY, NITIS
Fixed sample and sequential problems with applications in reliability
[AD-A234547] 18 p2996 N91-26547
MUKHOPADHYAY, VIVEK
Design and test of three active flutter suppression controllers 14 p2230 N91-22334
Development and testing of controller performance evaluation methodology for multi-input/multi-output digital control systems 14 p2230 N91-22337
MUKHTAROV, M. A.
The 't Hooft's solution for arbitrary semisimple Lie group
[DE91-617572] 21 p3564 N91-29813
MUKKAMALA, RAVI
Building a generalized distributed system model
[NASA-CR-188181] 15 p2521 N91-23970
Building a generalized distributed system model 15 p2521 N91-23971
Effects of distributed database modeling on evaluation of transaction rollbacks 15 p2521 N91-23972
Measuring the effects of distributed database models on transaction availability measures 15 p2521 N91-23973
Performance analysis of static locking in replicated distributed database systems 15 p2521 N91-23974
A note on the performance analysis of static locking in distributed database systems 15 p2522 N91-23975
Performance related issues in distributed database systems
[NASA-CR-185972] 17 p2886 N91-25952
Measuring the effects of heterogeneity on distributed systems 17 p2886 N91-25953
A distributed scheduling algorithm for heterogeneous real-time systems 17 p2886 N91-25954
Performance analysis of static locking in replicated distributed database systems 17 p2886 N91-25955
Effects of distributed database modeling on evaluation of transaction rollbacks 17 p2886 N91-25956
Heterogeneous distributed databases: A case study 17 p2886 N91-25957
An integrated decision support system for TRAC: A proposal 17 p2887 N91-25958
MUKUNDA, H. S.
The direct simulation of high-speed mixing-layers without and with chemical heat release 13 p2017 N91-21095
MULANSKY, B.
Chebyshev approximation by spline functions with free knots
[MEMO-853] 01 p0115 N91-10677
MULANSKY, BERND
A remark on the convexity of piecewise polynomial functions on triangulations
[MEMO-857] 01 p0116 N91-10682
Interpolation of scattered data by a bivariate convex function. Part 1: Piecewise linear C sup 0-interpolation
[MEMO-858-PT-1] 02 p0263 N91-11469
MULARZ, EDWARD J.
Chemical reacting flows 12 p1837 N91-20098
MULCAHY, T. M.
Phenomenology of forces acting between magnets and superconductors
[DE90-017864] 02 p0265 N91-11487
Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800
Effect of size and geometry on levitation force measurements between permanent magnets and high-temperature superconductors
[DE91-012472] 20 p3427 N91-29008
MULDER, J. A.
Essays on stability and control
[LR-600] 03 p0315 N91-11759
Phase 2 flight simulator mathematical model and data-package, based on flight test and simulation techniques 03 p0315 N91-11763
Optimal inputs for aircraft parameter estimation 03 p0316 N91-11768
MULDREW, D. B.
Duct model for the duty-cycle variation of the plasma-line overshoot during cyclic heating at Arecibo 10 p1548 N91-18517
MULET, J. C.
Characterization and optimization of a pneumatic injector for a 60 bar combustion chamber
[ETN-90-97580] 02 p0192 N91-11076
MULFORD, R. N.
Shock initiation of pentaerythritol tetranitrate crystals: Optical absorption and emission studies
[DE91-013381] 20 p3429 N91-29023
MULGUND, SANDEEP S.
Flight simulation for wind shear encounter 11 p1638 N91-19035
MULHOLLAND, J. DERRAL
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
MULKENS, M. J. M.
Steady-state experiments for measurements of aerodynamic stability derivatives of a high incidence research model using the College of Aeronautics whirling arm
[CRANFIELD-AERO-9014] 12 p1844 N91-20137
MULKEY, OWEN
Survey of results from the Boeing modules on the M0003 experiment on LDEF 16 p2718 N91-25048
LDEF electronic systems: Successes, failures, and lessons 16 p2724 N91-25085
MULLAN, DERMOTT J.
Corona: Coordinated research on non-thermal processes in astrophysics
[NASA-CR-188692] 20 p3443 N91-29107
MULLEN, GEORGE M.
Guide to Canadian aerospace-related industries
[AD-A230151] 12 p1880 N91-20332
MULLEN, R. L.
Simulation of brush insert for leading-edge-passage convective heat transfer
[NASA-TM-103801] 15 p2421 N91-23409
Some preliminary results of brush seal/rotor interference effects on leakage at zero and low RPM using a tapered-plug rotor
[NASA-TM-104396] 19 p3176 N91-27559
MULLENDER, SAPE J.
Amoeba: A distributed operating system for the 1990's
[CWI-CS-R9004] 07 p1050 N91-15766
MULLER, DIETRICH
Cosmic Ray Nuclei (CRN) detector investigation
[NASA-CR-184137] 13 p2183 N91-22063
MULLER, H.
Observations of vortex structure in YBa2Cu3O7
[DE91-000900] 08 p1234 N91-16804
MULLER, J. D.
FD-TD numerical simulation of an entire lightning strike on the C160 aircraft 24 p4054 N91-32648
MULLER, R.
The Berkeley search for distant supernovae to measure omega
[DE91-016418] 23 p3938 N91-32010
MULLER, R. A.
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
The Berkeley/Anglo-Australian Observatory high-redshift supernova search
[DE91-012348] 18 p3084 N91-27051
MULLER, S.
Plasma torches dimensioning and optimization
[REPT-911-430-111] 15 p2513 N91-23926
MULLER, SARA H.
Quantitative processing of Meteosat data: Implementation at KNMI: Applications
[KNMI-TR-127] 15 p2469 N91-23678
Description of Crau data set: Meteosat data, radiosonde data, sea surface temperatures: Comparison of Meteosat and Heimann data
[KNMI-WR-90-03] 23 p3897 N91-31752
MULLET, BRUNO
The SCOS: A configurable infrastructure for the control of spacecraft using packets 14 p2208 N91-22194
The SCOS man-machine interface project 14 p2222 N91-22283
Configurable spacecraft control systems 14 p2222 N91-22287
MULLICAN, R. C.
Illuminance and luminance distributions of a prototype ambient illumination system for Space Station Freedom
[NASA-TM-103541] 18 p2936 N91-26193
MULLIGAN, SHARON
Sinterability of tungsten powder CVD coated with nickel and iron
[AD-A231913] 14 p2246 N91-22425
MULLIN, J. V.
North Carolina physical oceanography panel report
[PB91-178046] 19 p3206 N91-27722
MULLIN, TOM
Finite-dimensional dynamics and chaos in fluid flows 23 p3867 N91-31571
MULLINS, MICHAEL E.
Fundamental research on porous glass desiccants
[PB90-260530] 09 p1318 N91-17236
MULLIS, ANDREW MARTIN
Lunar volcanism and the thermal evolution of the moon 15 p2533 N91-24031
MULQUEEN, J. A.
Applications of low lift to drag ratio aerobrakes using angle of attack variation for control
[NASA-TM-103544] 20 p3290 N91-28189
MULROONEY, MARK L.
CNO abundance variations in the type I planetary nebulae 09 p1435 N91-17908
MULROY, JAMES RANDOLPH
Numerical investigation of the thrust efficiency of a laser-propelled vehicle 20 p3353 N91-28572
MULVEHILL, ALICE
The AMPS
[AD-A225988] 04 p0563 N91-13123
MUMM, H.
An event-activation record approach to simulation modeling in Ada: User's guide
[AD-A232093] 15 p2486 N91-23768
MUMM, R. H.
BMD/Ada bit-oriented message definer: A tool to define bit-oriented messages in Ada
[AD-A233576] 16 p2671 N91-24782
MUMMA, M. J.
Infrared spectroscopy of comets 12 p2004 N91-21026
Comet Brorsen-Metcalf in the 3.5 micron region 12 p2005 N91-21033
MUMMA, MICHAEL J.
Infrared remote sensing of cometary parent volatiles from the ground, air, and space 17 p2895 N91-26003
The contribution of methanol to the 3.4 micron feature in comets 17 p2896 N91-26005
The effect of electron collisions on rotational excitation of cometary water 17 p2898 N91-26018
MUMMERY, HERBERT L.
System for limiting snap load intensity
[AD-D014730] 12 p1906 N91-20488

MUNCILL, GREGORY
Progress with neural network gulf streams
[AD-A233810] 18 p3017 N91-26658
MUNDAY, MARK GREGORY
The outer atmosphere of 56 Peg: Studies of fluorescent excitation 16 p2701 N91-24959
MUNDELL, DAN B.
Prediction of tropical cyclone rapid intensification events
[AD-A227668] 08 p1186 N91-16520
MUNDIE, L. G.
Suggested modifications to optical sensor algorithms in JANUS
[AD-A235592] 19 p3219 N91-27791
MUNDT, C.
Calculation of viscous hypersonic flows using a coupled Euler/2nd order boundary layer method
[MBB/FE122/S/PUB/387] 02 p0161 N91-10935
New accurate, vectorized approximations of state surfaces for the thermodynamic and transport properties of equilibrium air
[MBB/FE122/S/PUB/0389] 06 p0884 N91-14886
MUNDY, J. N.
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
MUNDY, JOSEPH L.
Projectively invariant representations using implicit algebraic curves
[OUEL-1829/90] 04 p0571 N91-13171
MUNDY, L. G.
The compact far infrared emission from the young stellar object IRAS 16293-2422 06 p0894 N91-14940
MUNDY, LEE G.
The cosmochemistry of protostellar matter
10 p1619 N91-18927
MUNECHIKA, CURTIS K.
Merging panchromatic and multispectral images for enhanced image analysis
[AD-A227902] 08 p1167 N91-16421
MUNGAL, M. G.
Turbulent reacting flows and supersonic combustion
[AD-A236759] 19 p3128 N91-27280
MUNK, B. A.
The reflection and transmission properties of a triple band dichroic surface
[NASA-CR-187776] 08 p1126 N91-16191
MUNLIN, JOYCE C.
The effect of three variables on synthetic speech intelligibility in noisy environments
[AD-A226610] 04 p0516 N91-12869
MUNOZ, ELIAS
Electrical behavior on n-type dopants in AlGaAs alloys: Shallow levels and DX centers
[AD-A229957] 12 p1986 N91-20926
MUNOZ, GERARDO ANDRES
Field theoretic approach to statistical dynamics and chaos 04 p0592 N91-13305
MUNRO, D. H.
Large growth Rayleigh-Taylor experiments on Nova
[DE91-012885] 20 p3418 N91-28955
MUNSE, W. H.
Fatigue performance under multiaxial loading
[PB91-153288] 19 p3179 N91-27577
MUNSHI, M. Z.
Ambient temperature solid polymer electrolyte devices
[AD-A228716] 09 p1318 N91-17237
MUNSON, C. P.
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
Fast electron studies in the ZT-40M edge plasma
[DE91-002323] 06 p0875 N91-14838
MUNSON, CARTER P.
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739
MUNSON, D. E.
Constitutive modeling of salt behavior: State of the technology
[DE91-017459] 24 p3974 N91-32199
MUNSON, ROBERT A.
EKG findings in female aviators in the US Air Force
02 p0247 N91-11377
MUNTEAN, TRAIAN
Statistical process allocation in a parallel processing architecture
[RR-833-I] 15 p2489 N91-23779
Optimal systolic network for Gaussian elimination
[RR-837-I] 15 p2496 N91-23822
MUNZ, D.
Calculations of residual stresses in ceramic soldered joints 05 p0640 N91-13549
MURAD, E.
Photometric analysis of a space shuttle water venting
12 p1950 N91-20726
MURAD, EDMOND
Plasma density modifications by means of pulsed beam CIV in the ionosphere 10 p1551 N91-18530
Laboratory study of the thermochemical properties of materials used in spacecraft
[AD-A232124] 15 p2390 N91-23228
MURAD, S.
Transport properties of dense fluid mixtures using nonequilibrium molecular dynamics
[DE91-000262] 05 p0658 N91-13654
MURAKAMI, ATSUO
An experiment on supersonic turbulent mixing layers: Supersonic-subsonic two-stream layers
[NAL-TR-1066] 08 p1090 N91-15983
Autoignition and flameholding in a cylindrical scramjet combustor
[NAL-TR-1067] 08 p1111 N91-16102
Experiment on a rectangular cross section Scramjet combustor
[NAL-TR-1068] 12 p1842 N91-20127
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
MURAKAMI, H.
A rocket-borne measurement of interstellar dust emission at high galactic latitude
06 p0900 N91-14976
MURAKAMI, HIDENORI
Development of a mixture for nonlinear wave propagation in fiber-reinforced composites
[AD-A237471] 21 p3470 N91-29243
MURAKAMI, M.
Effect of inclination angle on heat transfer characteristics of closed two-phase thermosyphon
08 p1140 N91-16278
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856
MURAKAMI, S.
Nonadiabatic behavior of the magnetic moment of a charged particle in a dipole magnetic field
20 p3412 N91-28920
Macroscale implicit, electromagnetic particle simulation of inhomogeneous and magnetized plasmas in multi-dimensions
[NIFS-91] 24 p4104 N91-32929
MURAKAMI, YOSHITAKA
The establishment and performance test of PAPI (Precision Approach Path Indicator) System for NAL STOL aircraft
[NAL-TM-579] 01 p0006 N91-10030
MURAL, R.
Searching for consensus patterns on a hypercube
[DE91-013233] 20 p3385 N91-28753
MURAOKA, ISSAMU
SCD1 thermal design and test result analysis
11 p1657 N91-19130
MURAT, J.
Measurements of proton upset induced in CMOS devices: Synthesis of CEA studies
24 p4000 N91-32356
MURATA, TORU
Evaluation of neutron nuclear data for O-16
[DE90-008105] 17 p2861 N91-25822
MURATORI, G.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585
MURATORI, SIMONA
On the invertibility of Leslie systems
[REPT-90-006] 05 p0710 N91-13963
MURATORIO, G.
The VV Cep star KQ Puppis 09 p1438 N91-17924
MURATOV, L. S.
Theory and numerical simulation of optical properties of fractal clusters
[AD-A230206] 12 p1980 N91-20896
MURATOV, LEONID S.
Scale-invariant theory of optical properties of fractal clusters
[AD-A227031] 06 p0874 N91-14832
MURAYAMA, TOSHI
A hypersonic thermally-nonequilibrium reacting flow around a three-dimensional blunt body
04 p0452 N91-12523
MURCHIE, S.
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
MURCHIE, S. L.
The composition of Phobos: Meteorite analogs based on KRFM and VSK spectral data from the Phobos 2 spacecraft 17 p2909 N91-26061
MURCRAY, D.
ICRCCM (intercomparison of radiation codes used in climate models). Phase 2: Verification and calibration of radiation codes in climate models
[DE91-007323] 11 p1738 N91-19555
MURDOCK, J. W.
The stability of a precessing vehicle with outflow
[AD-A235957] 19 p3163 N91-27492
MURDOCK, T. M.
Use of a genetic algorithm to analyze robust stability problems
[DE91-005895] 15 p2483 N91-23742
MURDOCK, VALERIE E.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32
09 p1288 N91-17081
MURMAN, EARLL M.
Navier-Stokes and Euler solutions for lee-side flows over supersonic delta wings. A correlation with experiment
[NASA-TP-3035] 05 p0613 N91-13401
MURMANN, C.
Space tug: An orbital transfer vehicle
[BU-513] 14 p2207 N91-22188
MURNOCK, DONALD
Life cycle management automation user's manual, version 1.1
[AD-A232096] 15 p2520 N91-23968
MURNYAK, STEVEN
Research flight-control system development for the F-18 high alpha research vehicle
[NASA-TM-104232] 14 p2196 N91-22131
MUROGA, T.
The influence of nickel content on microstructures of Fe-Cr-Ni austenitic alloys irradiated with nickel ions
[DE91-004894] 07 p0982 N91-15388
MUROTANI, T.
Vapour growth of an InP crystal (TEXUS 20)
23 p3836 N91-31394
MURPHREE, J. S.
Association of an auroral surge with plasma sheet recovery and the retreat of the substorm neutral line
[DE91-007351] 11 p1737 N91-19552
MURPHY, BRIAN P.
Advanced Dynamic Anthropomorphic Manikin (ADAM) design report
[AD-A234761] 18 p3036 N91-26756
MURPHY, C. G.
Literature survey on tools
[AD-A226933] 06 p0863 N91-14770
MURPHY, CATHERINE J.
Chemical sensing applications of semiconductor photoluminescence
[AD-A235935] 19 p3252 N91-27993
MURPHY, CHARLES H.
A symptom of payload-induced flight instability
[AD-A227515] 09 p1284 N91-17062
MURPHY, CLARENCE J.
Optoelectronic devices
[AD-D014618] 06 p0872 N91-14822
MURPHY, D. P.
Density channel tracking studies on Pulserad
[AD-A232649] 15 p2506 N91-23888
MURPHY, DAVID W.
Core-dominated radio sources and the unified scheme
01 p0142 N91-10835
MURPHY, EDMUND A.
Correlations between levels for stellar-scintillometer-derived profiles of Cn sq
[AD-A236927] 19 p3264 N91-28053
MURPHY, ELIZABETH D.
Developing a user-interface-evaluation tool for space-station-era applications 14 p2221 N91-22282
MURPHY, G. A.
Synthesis and inversion of Stokes spectral profiles
[PB90-214487] 01 p0141 N91-10828
MURPHY, G. P.
Experimental investigation of scattering of magnetostatic waves by surface acoustic waves
[DE91-009435] 13 p2148 N91-21835
MURPHY, HUGH D.
Transient natural convection in heated inclined tubes
[DE90-008217] 08 p1136 N91-16255
MURPHY, J.
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981
MURPHY, J. C.
Boeing infrared sensor (BIRS) calibration facility
07 p0954 N91-15244
MURPHY, J. R.
The PC Dugout micro-mainframe integration system: PAX implementation
[AD-A237480] 21 p3556 N91-29758

MURPHY, LINDA
Evaluation of prototype Advanced Life Support (ALS) pack for use by the Health Maintenance Facility (HMF) on Space Station Freedom (SSF)
24 p4079 N91-32787
Evaluation of prototype air/fluid separator for Space Station Freedom Health Maintenance Facility
24 p4080 N91-32791
MURPHY, MICHAEL G.
Fuzzy logic control system to provide autonomous collision avoidance for Mars rover vehicle
18 p3095 N91-27106
MURPHY, MICHAEL J.
Examination of coherency criteria for high velocity jets
[DE91-006242] 10 p1525 N91-18394
MURPHY, OLIVER J.
Oxidation and wear resistant carbon-carbon composites
[AD-A238475] 22 p3644 N91-30279
MURPHY, P. W.
Editing graphs for maximum effect
[DE91-006239] 10 p1614 N91-18904
MURPHY, PATRICK C.
Candidate control design metrics for an agile fighter
[NASA-TM-4238] 10 p1473 N91-18115
MURPHY, PATRICK J.
Analysis of wind profile measurements from an instrumented aircraft
[NASA-CR-184084] 08 p1186 N91-16523
MURPHY, R. JAY
Frequency domain laser velocimeter signal processor
15 p2541 N91-24077
MURPHY, R. W.
Performances of four magnetic heat-pump cycles
[DE90-015606] 02 p0212 N91-11185
Performance comparison of magnetic refrigeration cycles
[DE91-001520] 05 p0645 N91-13578
Loss analysis of the thermodynamic cycle of magnetic heat pumps
[DE91-007669] 11 p1812 N91-19950
MURPHY, ROBERT E.
NASA 1990 Multisensor Airborne Campaigns (MACs) for ecosystem and watershed studies
17 p2792 N91-25447
MURPHY, RONALD J.
The Li-7 and Be-7 deexcitation lines: Probes for accelerated particle transport models in solar flares
[NASA-CR-183490] 23 p3940 N91-32020
GRO source candidates: (A) Nearby modest-size molecular clouds; (B) Pulsar with Wolf-Rayet companion that has lost its H-envelope
[NASA-CR-183491] 23 p3940 N91-32021
Abundances from solar flare line spectroscopy
[NASA-CR-183492] 23 p3940 N91-32022
MURPHY, STEPHEN HENRY
Modeling and simulation of multiple cooperating manipulators on a mobile platform
23 p3879 N91-31647
MURPHY, SUSAN C.
Workstation technology for engineering mission operations at the Jet Propulsion Laboratory
14 p2219 N91-22265
MURPHY, W. D.
Numerical methods for scattering from electrically large objects
[AD-A238262] 21 p3500 N91-29426
MURR, L. E.
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-014862] 21 p3483 N91-29319
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-016949] 23 p3816 N91-31290
MURR, W. W.
Cylinder pressure analysis of a diesel engine using oxygen-enriched air and emulsified fuels
[DE90-017660] 03 p0373 N91-12090
MURRAY, ALAN
Analogue computation using VLSI neural network devices
[OUEL-1835/90] 06 p0864 N91-14773
MURRAY, ALEXANDER
Performance tests on Ge:Ga and Ge:Be detectors for the ISO long wavelength spectrometer
13 p2180 N91-22045
MURRAY, B. T.
Effect of gravity modulation on solutal convection during directional solidification
[PB90-265281] 09 p1312 N91-17202
MURRAY, DUANE C.
Enhancing tolerance to acceleration (+Gz) stress: The Hook maneuver
[AD-A231094] 13 p2127 N91-21707
MURRAY, J.
The USSP/ULDA project 09 p1447 N91-17983
MURRAY, J. R.
A radiation hardened SONOS/CMOS EEPROM family
[DE90-015993] 02 p0206 N91-11154
Upgrade of the LLNL Nova laser for inertial confinement fusion
[DE91-008060] 11 p1712 N91-19430
A 1K Shadow RAM for circumvention applications
[DE91-007892] 19 p3216 N91-27774
MURRAY, JERRY
Army-NASA aircrew/aircraft integration program (A3I) software detailed design document, phase 3
[NASA-CR-177557] 11 p1771 N91-19714
MURRAY, M.
Experimental investigation of meteor burst footprints
22 p3659 N91-30369
MURRAY, MARY JOSEPHINE
Interstellar magnesium studies
20 p3445 N91-29120
MURRAY, P. T.
Fabrication and characterization of high temperature superconducting thin films for sensors and electronics
05 p0724 N91-14041
MURRAY, PAUL E.
Residual stress at fluid interfaces
[DE90-012964] 02 p0213 N91-11189
In situ vitrification: Numerical studies of coupled heat transfer and viscous flow processes
[DE91-001888] 07 p1002 N91-15501
MURRAY, S. D.
Thermal instabilities in protogalactic clouds
05 p0753 N91-14195
MURRAY, WALTER
A sequential quadratic programming algorithm using an incomplete solution of the subproblem
[AD-A228829] 09 p1383 N91-17606
Primal-dual methods for linear programming
[AD-A237418] 21 p3555 N91-29756
MURRAY, WILLIAM R.
An endorsement-based approach to student modeling for planner-controlled intelligent tutoring systems
[NASA-CR-188177] 13 p2132 N91-21739
MURRI, GRETCHEN BOSTAPH
Effect of initial delamination on Mode 1 and Mode 2 interlaminar fracture toughness and fatigue fracture threshold
[NASA-TM-104079] 18 p3000 N91-26569
MURRILL, STEVEN R.
An electron-beam dose deposition experiment: TIGER 1-D simulation code versus thermoluminescent dosimetry
[AD-A234507] 18 p2979 N91-26447
MURROW, HAROLD N.
Measurement of atmospheric turbulence
18 p2927 N91-26151
MURTAGH, D.
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations
13 p2181 N91-22050
MURTHY, A. V.
A study of residual interference effects in adaptive wall testing of a 7-inch chord CAST-10-2/DOA 2 airfoil model
[NASA-CR-4390] 20 p3280 N91-28138
MURTHY, DURBHA V.
Efficient computation of aerodynamic influence coefficients for aeroelastic analysis on a transputer network
[NASA-TM-103671] 12 p1954 N91-20748
Localization of aeroelastic modes in mistuned high-energy turbines
[NASA-TM-104445] 16 p2648 N91-24659
Aeroelastic modal characteristics of mistuned blade assemblies: Mode localization and loss of eigenstructure
[NASA-TM-104519] 19 p3181 N91-27591
MURTHY, JAYANT
Observations of the diffuse UV radiation field
06 p0889 N91-14912
Studying the spatial distribution of interstellar dust
06 p0901 N91-14980
MURTHY, K. KRISHNA
Graphic display of cockpit instruments for flight simulation
[NAL-PD-FC-9111] 22 p3620 N91-30137
MURTHY, P. L. N.
METCAN updates for high temperature composite behavior: Simulation/verification
[NASA-TM-103682] 11 p1674 N91-19229
Computational simulation of hot composites structures
[NASA-TM-103681] 11 p1675 N91-19230
Probabilistic micromechanics and macromechanics of polymer matrix composites
[NASA-TM-103669] 11 p1676 N91-19236
HITCAN for actively cooled hot-composite thermostructural analysis
[NASA-TM-103750] 13 p2101 N91-21562
Application of artificial neural networks to composite ply micromechanics
[NASA-TM-104365] 16 p2589 N91-24345
MURTHY, PAPPU L. N.
Computational simulation of acoustic fatigue for hot composite structures
[NASA-TM-104379] 15 p2446 N91-23548
Progressive fracture in composites subjected to hygrothermal environment
[NASA-TM-105230] 24 p3971 N91-32182
Computational simulation of high temperature metal matrix composite behavior
[NASA-TM-104378] 24 p4030 N91-32520
MURTHY, S. N. B.
Effects of free stream turbulence on heat transfer
[AD-A228920] 09 p1333 N91-17319
MURTHY, VASUDEVA S.
Kinematics of serial manipulators and their parallel duals
21 p3526 N91-29589
MURTY, ROM
Computer modeling of pulsed CO2 lasers for lidar applications
24 p4060 N91-32680
MURTY, S. R.
Aerosol speckle effects on atmospheric pulsed lidar backscattered signals
19 p3273 N91-28105
MURTY, V. S.
Generic quality assurance/quality control guide for photovoltaic concentrator design, development and system installation
[DE90-017040] 02 p0231 N91-11290
MURUGESH, L.
Micromechanisms of monotonic and cyclic subcritical crack growth in advanced high melting point low-ductility intermetallics
[AD-A238151] 21 p3482 N91-29317
MUSCETTOLA, NICOLA
Planning the behavior of dynamical systems
[AD-A227381] 06 p0866 N91-14788
Generating space telescope observation schedules
[NASA-CR-187843] 07 p1081 N91-15947
MUSCHIELOK, B.
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep
09 p1439 N91-17934
MUSCHINSKI, ANDREAS
Attitude estimation of high altitude research rockets, using star sensor and magnetometer data
[GAMMA-51] 07 p0949 N91-15210
MUSGRAVE, JEFFREY L.
Shared direct memory access on the Explorer 2-LX
[NASA-TM-103289] 03 p0399 N91-12215
MUSHER, J.
Optimization of transparent and reflecting electrodes for amorphous silicon solar cells
[DE91-002132] 15 p2458 N91-23618
MUSIAL, W.
Spanwise aerodynamic loads on a rotating wind turbine blade
[DE91-002101] 05 p0615 N91-13414
MUSIAL, W. D.
Variations in gear fatigue life for different wind turbine braking strategies
[DE91-002161] 22 p3684 N91-30513
MUSICH, M. A.
Performance evaluation of a novel erosion-resistant pump design
[DE91-008201] 18 p2993 N91-26528
MUSS, J. A.
User's manual for rocket combustor interactive design (ROCCID) and analysis computer program. Volume 1: User's manual
[NASA-CR-187109] 16 p2567 N91-24230
User's manual for rocket combustor interactive design (ROCCID) and analysis computer program. Volume 2: Appendixes A-K
[NASA-CR-187110] 16 p2568 N91-24231
MUSS, JEFF
Development of a combustor analytical design methodology for liquid rocket engines
09 p1299 N91-17127
MUSSEAU, O.
Single event upset sensitivity of a SRAM: An overview from testing procedures to device hardening (theme 2)
24 p3998 N91-32346
MUSSO, G.
Test on parabolic flights for stowage in weightlessness
15 p2451 N91-23578
MUSTAFA, M. G.
SDI: Statistical Dynamic Interactions
[DE91-012034] 20 p3397 N91-28827
MUSTREDELEON, J.
XAFS analysis in the anharmonic limit: Application to HI-Tc superconductors and ferrosilicates
[DE90-016720] 01 p0131 N91-10776

X ray absorption fine structure of systems in the anharmonic limit
[DE91-016070] 24 p4097 N91-32892
MUTCH, PATRICIA
Processing problems in the IRUS queries: An empirical verification of problem coverage in the natural language sourcebook
[AD-A232780] 15 p2492 N91-23800
Natural language sourcebook
[AD-A233005] 16 p2668 N91-24765
MUTCHLER, G. S.
Nuclear structure at intermediate energies
[DE91-000678] 04 p0581 N91-13241
MUTHARASAN, RAJAKKANNU
Development of braided rope seals for hypersonic engine applications. Part 2: Flow modeling
[NASA-TM-104371] 14 p2272 N91-22571
MUTSCHLECNER, J. PAUL
Infrasonic observations of large-scale HE events
08 p1216 N91-16694
The correction of infrasound signals for upper atmospheric winds 08 p1216 N91-16695
MUTSUDDY, B. C.
A comparison of microwave versus direct solar heating for lunar brick production 14 p2204 N91-22172
MUTTER, JOHN C.
A multichannel seismic investigation of variations in crustal structure in the western North Atlantic
[AD-A235245] 18 p3012 N91-26634
MUTTON, PHILIP
Pre-integrated structures for Space Station Freedom
[NASA-TM-102780] 13 p2039 N91-21214
MUURMAN, T.
Laser processing in power plants
[DE91-527088] 24 p4024 N91-32488
MUYUNDO, DAVID K.
Passive damping concepts for tubular beams with partial rotational and translational end restraints
[NASA-CR-187833] 08 p1164 N91-16411
MUZACA, JAMES
Quick disconnect pressure cap
[AD-D014936] 21 p3528 N91-29598
MUZZY, WILLIAM H., III
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 1
[AD-A233349] 16 p2558 N91-24188
MYDOSH, J. A.
Connections between magnetism and superconductivity in UBe13 doped with thorium or boron
[DE91-011416] 17 p2873 N91-25894
MYERS, C.
Space station automation of common module power management and distribution, volume 2
[NASA-CR-184035] 04 p0495 N91-12748
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195
MYERS, D. R.
Photoluminescence studies of In(x)Ga(1-x)As/Al(y)Ga(1-y)As strained-layer structures
[DE90-017031] 02 p0278 N91-11561
Photovoltaic advanced research and development project: Solar radiation research
[DE91-002119] 10 p1540 N91-18479
Influences of atmospheric conditions and air mass on the ratio of ultraviolet to total solar radiation
[DE90-000368] 10 p1543 N91-18494
Selective suppression of carrier-driven photochemical etching: Raman spectroscopy as a diagnostic tool
[DE91-007495] 10 p1610 N91-18885
Rapid thermal annealing effects in In(x)Ga(1-x)As/GaAs strained-layer superlattices
[DE91-015901] 23 p3933 N91-31978
MYERS, DAVID R.
Band-gap narrowing and III-V heterostructure FETs (Field-Effect Transistors)
[DE91-000401] 05 p0726 N91-14056
Strained-layer electronics and optoelectronics
[DE91-004505] 09 p1415 N91-17790
MYERS, DWIGHT L.
High temperature Knudsen effusion-mass spectrometric studies of the Y-Ba-Cu-O system
[NIAR-91-23] 21 p3592 N91-29981
MYERS, HARVEY DEAN
Assured crew return capability Crew Emergency Return Vehicle (CERV) avionics 09 p1278 N91-17025
MYERS, I. T.
Electrical characterization of glass, teflon, and tantalum capacitors at high temperatures
[NASA-TM-104517] 19 p3156 N91-27444
MYERS, IRA T.
High temperature power electronics for space
[NASA-TM-104375] 14 p2261 N91-22508
MYERS, JACK
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
MYERS, JACK W., JR.
The effects of liquid propellant motion on the attitude stability of spin stabilized spacecraft
[AD-A227002] 06 p0792 N91-14376
MYERS, JOSEPH DWAN
Streamwise vortices in laminar-turbulent transition
08 p1144 N91-16297
MYERS, LAWRENCE E.
Minimum required signal for LIMARS experiments
[AD-A229524] 22 p3681 N91-30499
MYERS, N. B.
CHARGE-2B electron gun system
[AD-A231514] 14 p2207 N91-22186
MYERS, NEIL B.
SPEAR-1: An experiment to measure current collection in the ionosphere by high voltage biased conductors
09 p1403 N91-17725
Effects of neutral gas release on current collection during the CHARGE-2 rocket experiment
09 p1405 N91-17730
MYERS, NEIL BRUBAKER
Studies of the system-environment interaction by electron beam emission from a sounding rocket payload in the ionosphere 01 p0068 N91-10410
MYERS, P. G.
The forward mounted spoiler as a source of buffet excitation 06 p0781 N91-14332
MYERS, PAMELA
Future North American air traffic control synergy human factors solution
[AD-A229255] 10 p1469 N91-18099
MYERS, R. S.
NDE of thermal protection system for space shuttle solid rocket booster 16 p2568 N91-24234
MYERS, ROGER M.
Nonequilibrium in a low power arcjet nozzle
[NASA-CR-187166] 19 p3116 N91-27215
Applied-field MPD thruster geometry effects
[NASA-CR-187163] 19 p3116 N91-27217
A preliminary characterization of applied-field MPD thruster plumes
[NASA-CR-187165] 22 p3630 N91-30201
MPD thruster technology
[NASA-TM-105242] 24 p3967 N91-32162
Multimegawatt electric propulsion system design considerations
[NASA-TM-105152] 24 p3967 N91-32164
MYERS, S. M.
Microstructures of cubic Al2O3 precipitates in oxygen-implanted aluminum
[DE91-000038] 02 p0198 N91-11111
Considerations relating to pulsed-beam modification of materials
[DE91-006771] 11 p1807 N91-19922
MYERS, S. T.
Aperture synthesis CO observations of the inner disk of NGC 1068 05 p0738 N91-14122
MYERS, STEVEN THEODORE
A search for anisotropy in the cosmic microwave background on angular scales of 1 to 30 arcminutes
09 p1425 N91-17843
MYERS, THEODORE
Integrated Maintenance Information System (IMIS) diagnostic module redesign
[AD-A231810] 14 p2341 N91-22942
MYERS, THOMAS T.
Aeroservoelastic stabilization techniques for hypersonic flight vehicles
[NASA-CR-187614] 22 p3623 N91-30156
MYHR, F. H.
Oxides of nitrogen emissions from turbulent hydrocarbon/air jet diffusion flames
[PB91-184952] 22 p3648 N91-30304
MYHRE, G.
Psychological and sociological aspects of the entrance of female aircrew to the Norwegian airforce
02 p0245 N91-11365
MYHRENGEN, HANS
A political scenario for Europe: Pan-European security system
[FFI-91/5009] 24 p4118 N91-33015
MYKKELTVEIT, S.
Application of regional arrays in seismic verification research
[AD-A229926] 12 p1922 N91-20576
MYKLEBUST, R. L.
Application of parallel computing to the Monte Carlo simulation of electron scattering in solids: A rapid method for profile deconvolution
[DE91-001227] 05 p0713 N91-13980
MYLER, HARLEY R.
Taxonomic transformations of visual media selections into display specification
[AD-A235596] 19 p3213 N91-27758
MYLER, UWE
Electron spectroscopic examination of Si(113) surface
[ETN-91-99441] 22 p3649 N91-30307
MYLES, GREGORY
SWANEA (Southwest Asia-Northeast Africa): A climatological study. Volume 2: The Middle East Peninsula
[AD-A232776] 15 p2470 N91-23684
MYLES, K. M.
Application of the monolithic solid-oxide fuel cell to space power systems
[DE91-005833] 10 p1541 N91-18484
Methanol reformers for fuel cell powered vehicles: Some design considerations
[DE91-006465] 11 p1691 N91-19314
Developmental status and system studies of the monolithic solid oxide fuel cell
[DE91-014389] 21 p3536 N91-29645
MYRA, J. R
Fundamental studies of fusion plasmas
[DE91-015656] 21 p3589 N91-29964
MYRABO, L. N.
Laser-boosted lightcraft technology demonstrator
14 p2201 N91-22156
MYRIE, CARLOS
Image data compression investigation
17 p2879 N91-25923
MYSOOR, N. R.
Design concepts and performance of NASA X-band (7162 MHz/8415 MHz) transponder for deep-space spacecraft applications 10 p1513 N91-18328
MZAAELLA, ANDREW J., JR.
Visual photometric experiment data analysis
[AD-A231915] 14 p2267 N91-22544

N

NABHA, HUSSEIN
Contribution to the study of MOS structures ageing
[ECL-90-04] 01 p0133 N91-10785
NACASS, PHILIPPE L.
Numerical modelisation of airflow on the nose of the French research aircraft Merlin-4 for measuring air motion 14 p2290 N91-22662
NACHTIGAL, NOEL M.
QMR: A Quasi-Minimal Residual method for non-Hermitian linear systems
[NASA-CR-188882] 24 p4084 N91-32818
An implementation of the look-ahead Lanczos algorithm for non-Hermitian matrices
[NASA-CR-188889] 24 p4085 N91-32820
NACHTWEY, D. STUART
Radiological health risks to astronauts from space activities and medical procedures
[NASA-TM-102164] 02 p0243 N91-11356
NACKEN, P.
Graph morphology
[CWI-AM-R9019] 17 p2843 N91-25710
NADAY, I.
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-008832] 12 p1902 N91-20464
NADER, BLAIR A.
Issues associated with establishing control zones for international space operations 12 p1939 N91-20668
NADLER, J. H.
An approach to space power
14 p2200 N91-22147
NAEGELI, D. W.
The effect of fuel properties and atomization on low temperature ignition in gas turbine combustors
23 p3794 N91-31164
NAEGELI, WOLFGANG
Managing the Global Commons Decision Making and Conflict Resolution in Response to Climate Change Research Workshop
[DE91-001018] 05 p0685 N91-13810
NAEIJE, M. C.
Extraction of mesoscale ocean currents information from Geosat altimeter data 15 p2453 N91-23594
NAESLUND, ERIK
Forest fire simulation using PHOENICS
[FOA-C-40283-4.5] 22 p3678 N91-30482
NAFDAY, AVINASH M.
Probabilistic structural analysis by extremum methods
01 p0052 N91-10308
NAFTEL, J. CHRISTOPHER
Parametric trade studies on a Shuttle 2 launch system architecture
[NASA-TP-3059] 10 p1484 N91-18180

NAGAI, MASAHIRO
Studies on the testing method of carbon fiber reinforced plastics: Compression, shear and impact tests
10 p1493 N91-18219
NAGAME, Y.
Proton-induced fission at ultra sub-barrier energies
[DE91-011169] 16 p2687 N91-24874
NAGAO, A.
Transport phenomena in ultra-long discharge
10 p1600 N91-18826
NAGAOKA, TOSHI
Intercomparison of measuring and evaluation methods for environmental radiations
[DE91-772227] 17 p2809 N91-25527
NAGARAJAN, R.
Aerodynamic drag characterization and deposition studies of irregular particles. Part 3: Analysis of flow and temperature field inside the Combustion Deposition Entrained Reactor (CDER)
[DE90-000466] 08 p1137 N91-16259
Photodegradation of polyimides. Part 4: Mechanism for the photooxidation process based on a model compound
[AD-A236198] 19 p3141 N91-27356
Ultraviolet stability of polymers containing the hexafluoroisopropylidene group
[AD-A236255] 19 p3142 N91-27362
NAGASAKI, K.
Decay process of a magnetic island by forced reconnection
[NIFS-80] 17 p2865 N91-25846
Model of divertor biasing and control of scrape-off layer and divertor plasmas
[NIFS-79] 17 p2865 N91-25847
Heat deposition on the partial limiter
[NIFS-28] 24 p4108 N91-32954
NAGASAWA, CHOHACHIRO
A study on prediction of life due to creep behavior in CF/EPOXY and CF/PEEK laminates
11 p1674 N91-19226
Tension-tension and delamination fatigue properties of CF/Epoxy laminates 12 p1861 N91-20227
NAGASAWA, MICHIYASU
Phase transitions triggered by quantum fluctuations in the inflationary universe
[NASA-CR-188698] 20 p3444 N91-29112
NAGASAWA, MIKIO
Status reports of supercomputing astrophysics in Japan
[DE90-513793] 02 p0292 N91-11640
NAGASHIMA, MASUMI
Application of knowledge-based system to spacecraft monitoring 14 p2216 N91-22250
NAGASHIMA, RYUICHI
Digital data processing system for bipropellant apogee engine
[NAL-TM-599] 02 p0188 N91-11052
Performance of the N2H4/MMH mixed fuel regeneratively cooled engine
[NAL-TR-1082] 17 p2743 N91-25180
NAGASUBRAMANIAN, GANESAN
Secondary Li battery incorporating 12-crown-4 ether
[NASA-CASE-NPO-17922-1-CU]
05 p0652 N91-13621
Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU]
06 p0821 N91-14538
NAGATA, T.
High-spectral resolution observations of the 3.29 micron emission feature: Comparison to QCC and PAHs
06 p0891 N91-14925
NAGATANI, R.
SBUV/2 comparisons with ground-based and SBUV spacecraft data 11 p1731 N91-19521
NAGATI, M. GAWAD
Human factors cockpit: A system and human factors program to enhance safety and efficiency in single pilot IFR and terminal area operations
16 p2555 N91-24165
NAGAYAMA, TAKEHIKO
Navier-Stokes computations of three-dimensional turbine cascade flows 24 p3948 N91-32068
NAGDA, N. L.
Cooling performance evaluation of a high-efficiency variable-speed electric heat pump in a contemporary research house
[PB91-159574] 17 p2779 N91-25379
Airliner cabin environment: Contaminant measurements, health risks, and mitigation options
[PB91-159384] 18 p3034 N91-26746
NAGEL, SIDNEY R.
Programs in materials research
[AD-A228724] 09 p1309 N91-17183
NAGIB, HASSAN M.
Coupled experimental and theoretical investigations of instability, chaos and turbulence in an axisymmetric jet flow
[AD-A225971] 04 p0522 N91-12906
NAGLE, GAIL
A highly reliable, autonomous data communication subsystem for an advanced information processing system 04 p0485 N91-12696
NAGPAL, P.
TEM in-situ straining of B2 compounds
[DE91-012062] 18 p2958 N91-26322
NAGPAL, V.
Probabilistic structural analysis methods for space transportation propulsion systems
20 p3298 N91-28238
NAGPAL, VINOD K.
Computational simulation of acoustic fatigue for hot composite structures
[NASA-TM-104379] 15 p2446 N91-23548
NAGY, A.
Mechanical testing of advanced coating system, volume 1
[NASA-CR-186725] 05 p0637 N91-13534
Fatigue testing of plasma-sprayed thermal barrier coatings, volume 2
[NASA-CR-186726] 05 p0638 N91-13535
NAGY, B.
Protection by WR-2721 and WR-151327 against late effects of gamma rays and neutrons
[DE90-017792] 02 p0243 N91-11352
NAGY, J.
Analysis of high frequency surface-induced concentration fluctuations
[DE91-007561] 11 p1734 N91-19538
Free-air carbon dioxide enrichment: A new approach to research on carbon exchange processes
[DE91-012074] 18 p3008 N91-26609
NAGY, JAMES P.
Sensitization of stainless steel
12 p1859 N91-20213
NAGY, KORNEL
Energy dissipator
[NASA-CASE-MSC-21555-1] 15 p2435 N91-23492
Preloaded latching device
[NASA-CASE-MSC-21730-1] 15 p2435 N91-23493
NAGY, L. A.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405
NAGY, MICHAEL
An assessment of the Space Station Freedom program's leakage current requirement
[NASA-CR-187077] 12 p1932 N91-20630
NAHORY, R. E.
Excitons in semiconducting superlattices, quantum wells, and ternary alloys
[DE90-017287] 01 p0132 N91-10779
NAHRA, HENRY
Flexible fluoropolymer filled protective coatings
15 p2539 N91-24062
NAHRA, HENRY K.
Environmental interactions of the Space Station Freedom electric power system
[NASA-TM-104373] 16 p2566 N91-24225
NAHRSTAEDT, MANFRED
Voltage intermediate circuit inverter for network supply of regenerative energy
[ETN-91-98779] 10 p1520 N91-18371
NAHUM, M.
Fabrication and measurement of high Tc superconducting microbolometers
[DE91-005234] 09 p1411 N91-17767
Design analysis of a novel low temperature bolometer
[DE91-005291] 10 p1526 N91-18404
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
NAHUM, MICHAEL
Fabrication of sensitive high Tc bolometers
06 p0794 N91-14389
NAIDON, A.
Calculations for structures with nonlinear joints
[CETIM-108830] 05 p0679 N91-13776
NAIK, DIPAK
Magnetostrictive direct drive motor
[NASA-CR-188006] 14 p2270 N91-22561
NAIK, R. A.
A macro-micromechanics analysis of a notched metal matrix composite
[NASA-TM-102728] 01 p0022 N91-10128
Fracture mechanics analysis for various fiber/matrix interface loadings
[NASA-TM-104049] 10 p1494 N91-18223
Simplified micromechanical equations for thermal residual stress analysis of coated fiber composites
[NASA-CR-187599] 24 p4032 N91-32527
NAIL, KEN, JR.
Chronology of KSC and KSC related events for 1990
[NASA-TM-103327] 12 p2009 N91-21055
NAIL, WILLIAM L.
Predictive sensor method and apparatus
[NASA-CASE-SSC-00006-1] 05 p0664 N91-13691
NAIM, A.
Flow visualization and simulation
[AAAF-NT-89-18] 23 p3870 N91-31590
NAINANI, KRISHAN
Translating expert system rules into Ada code with validation and verification
[NASA-CR-187505] 18 p3043 N91-26800
NAINKA, C.
Comparison between the interfacial chemistry of metallized polyimides and polymide
[AD-A238400] 21 p3490 N91-29366
NAIR, MURALIDHARAN
Development and application of an integral method for nonlinear elliptic problems 09 p1391 N91-17651
NAITO, SHIGENORI
Computer system 01 p0060 N91-10357
NAITO, SHUJI
Trilateration ranging subsystem
01 p0058 N91-10347
NAITOH, P.
Sleep logs: Measurement of individual and operational efficiency
[AD-A239774] 23 p3900 N91-31770
NAITOH, PAUL
Napping, stimulant, and four choice performance
[AD-A230366] 12 p1929 N91-20615
NAITOU, H.
The 3-D gyrokinetic particle simulation on internal kink modes 10 p1599 N91-18821
Internal kink mode simulation by 3-D gyrokinetic code
20 p3412 N91-28916
NAJAFABADI, R.
Free energy simulation of grain boundary segregation the thermodynamics in Ni(3-x)Al(1+x)
[DE91-007473] 11 p1808 N91-19928
NAKA, MASAO
Experimental manufacturing of performance evaluation system for solid image sensor
[NAL-TM-591] 02 p0215 N91-11200
NAKADA, Y.
High-spectral resolution observations of the 3.29 micron emission feature: Comparison to QCC and PAHs
06 p0891 N91-14925
NAKADATE, MASAAKI
Generation of 3-D grid using boundary element method 04 p0455 N91-12545
NAKAGAWA, ARTHUR
Optical Fiber Backscatter Signature Generator (OFBSG)
[AD-D014668] 11 p1798 N91-19870
NAKAGAWA, K.
Wavelength control of visible light laser diodes
[DE91-736784] 09 p1342 N91-17369
Numerical simulation of potential-driven ion cyclotron oscillation 20 p3413 N91-28925
NAKAGAWA, KIYOSHI
Outline of CDAS telecommunication system
01 p0058 N91-10340
NAKAGAWA, T.
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope
13 p2174 N91-22004
NAKAGAWARA, VAN B.
The use of contact lenses in the civil airman population
[AD-A227450] 08 p1190 N91-16544
NAKAHARA, J. H.
Heterocycles based on group 3, 4, and 5 elements: Precursors for novel glasses and ceramics
[AD-A226988] 06 p0812 N91-14487
NAKAHASHI, KAZUHIRO
Toward the automatic flow solver
04 p0455 N91-12541
Computations of three-dimensional Navier-Stokes equations by using a prismatic mesh
04 p0465 N91-12604
Verification of 2D-viscous flow simulation codes using airfoil with very small leading edge radius
04 p0468 N91-12625
Design of ultra high bypass fan with numerical solution of Navier-Stokes equations 04 p0469 N91-12628
NAKAI, NAOMASA
Circumnuclear molecular gas in starburst and Seyfert galaxies 05 p0738 N91-14120
High resolution sub-millimetre mapping of starburst galaxies: Comparison with CO emission
05 p0740 N91-14129
NAKAI, S.
Two-stage ion diode experiments on induction adder
11 p1801 N91-19884

NAKAISHI, H.
Thin film single crystal growth of a nonlinear optical polymer
[AD-A227692] 08 p1235 N91-16807
NAKAJIMA, ERUYUKI
Cloud optical parameters as derived from the multispectral cloud radiometer 01 p0087 N91-10513
NAKAJIMA, HAJIME
Effects of environment and aging on creep properties of Alloy 800H
[DE90-520207] 02 p0197 N91-11106
High temperature tensile properties of nickel-base superalloys for intermediate heat exchangers of high temperature gas-cooled reactors
[DE91-744958] 11 p1685 N91-19284
NAKAJIMA, N.
Nonlinear equations for weakly unstable modes 20 p3414 N91-28927
NAKAJIMA, NORIYOSHI
Beam-driven currents in the 1/nu regime in a helical system
[NIFS-27] 24 p4108 N91-32955
NAKAJIMA, T.
Study on ablation of target material induced by pulsed ion beam bombardment 11 p1801 N91-19886
NAKAJIMA, TERUYUKI
Cloud absorption properties as derived from airborne measurements of scattered radiation within clouds 01 p0087 N91-10512
NAKAJIMA, YUTAKA
Proceedings of the 1989 Seminar on Nuclear Data
[DE90-008196] 17 p2887 N91-25961
NAKAMICHI, JIRO
Numerical simulation of unsteady aerodynamics around an oscillating wing in elastic modes 04 p0468 N91-12622
NAKAMOTO, K.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937
NAKAMURA, E.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography
[DE91-727527] 06 p0806 N91-14451
NAKAMURA, HISASHI
Observed changes in the activity of baroclinic waves and their feedbacks during the life cycles of low-frequency circulation anomalies in the Northern Hemisphere winter 15 p2467 N91-23668
NAKAMURA, K.
Transport phenomena in ultra-long discharge 10 p1600 N91-18826
NAKAMURA, KEIJI
Energy converter from laser energy to electricity using plasma as a medium: The separation of ions by the medium 19 p3248 N91-27966
Characteristics of corona-preionized UV TEA laser 19 p3249 N91-27967
NAKAMURA, KINUYO
Simulation of a parallel computer with a 2-dimensional CFD program 04 p0451 N91-12515
Rarefied gas numerical wind tunnel 04 p0467 N91-12618
Parallel processing using multitasking on CRAY X-MP system
[NAL-TR-1069] 12 p1964 N91-20806
NAKAMURA, KOICHI
The electric field changes and UHF radiations caused by the triggered lightning in Japan 24 p4055 N91-32652
Discussions on a long gap discharge to an EHV transmission tower by a rocket triggered lightning experiment 24 p4055 N91-32654
NAKAMURA, M.
Ion distributions and flows near the neutral sheet
[MPE-PREPRINT-179] 08 p1267 N91-16974
Result of ONERA standard model test in 2m x 2m transonic wind tunnel
[DE91-750115] 11 p1644 N91-19066
Design and development of the redundant launcher stabilization system for the Atlas 2 launch vehicle 16 p2640 N91-24607
NAKAMURA, MASATO
An analytical study of neutral expansion, ionization, and charged particle acceleration in a neutral lithium release for the parallel electric field measurement
[MPE-PREPRINT-180] 11 p1800 N91-19880
NAKAMURA, MASAYOSHI
Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003
NAKAMURA, N.
Weak links within a Bi2Sr2Ca1Cu2O(x) single crystal by magnetization and direct optical observations
[DE91-016085] 23 p3933 N91-31979
NAKAMURA, R.
DOD responsibilities on Federal aviation and national airspace system matters
[PB90-218827] 01 p0001 N91-10001
NAKAMURA, T.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015
NAKAMURA, TAICHI
Research and development of future space robotics in NASDA 15 p2451 N91-23582
NAKAMURA, TAKASHI
Status reports of supercomputing astrophysics in Japan
[DE90-513793] 02 p0292 N91-11640
NAKAMURA, WAYNE H.
Fabrication by filament winding with an elastomeric material
[AD-D014570] 06 p0811 N91-14478
NAKAMURA, Y.
Thirteen meter diameter space simulation test facility 07 p0952 N91-15228
Transport phenomena in ultra-long discharge 10 p1600 N91-18826
Suppression and control of magnetic islands in toroidal plasmas 20 p3409 N91-28895
NAKAMURA, YOSHIAKI
A preliminary study of transonic flow around NACA0012 04 p0457 N91-12554
Calculation of high speed flow about winged body 04 p0466 N91-12613
An incompressible flow solver 24 p3944 N91-32040
NAKANISHI, HIROSHI
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
NAKANO, M.
Survey observations of emission-line stars in the Orion region 06 p0897 N91-14955
NAKANO, MINORU
The electric field change caused by a ground flash with multiple channels 24 p4054 N91-32647
The electric field changes and UHF radiations caused by the triggered lightning in Japan 24 p4055 N91-32652
NAKANO, TAKASHI
Numerical simulation of unsteady compressible viscous flows using an implicit upwind relaxation scheme 24 p3944 N91-32041
NAKAO, MASAHIRO
Numerical simulations of flow around ATP engine 04 p0469 N91-12627
NAKAYAMA, KEN
Psychophysical studies of visual cortical function
[AD-A238663] 21 p3549 N91-29720
NAKAYAMA, MARVIN K.
Likelihood ratio sensitivity analysis for Markovian models of highly dependable systems
[AD-A227992] 07 p1061 N91-15837
NAKAZAWA, SHOHEI
The MHOST finite element program: 3-D inelastic analysis methods for hot section components. Volume 1: Theoretical manual
[NASA-CR-182205] 16 p2644 N91-24636
NAKHSHIN, M. YU.
Temperature control in thermal batteries
[RAE-LIB-TRANS-2192] 22 p3670 N91-30433
NALECZ, ANDRZEJ G.
Vehicle Animation Software (VAS) to animate results obtained from vehicle handling and rollover simulations and tests
[PB91-194142] 24 p4087 N91-32832
NALINI, S.
Glow discharge lamp: A light source for optical emission spectroscopy
[DE91-619433] 16 p2621 N91-24517
NALLASAMY, M.
Unsteady blade-surface pressures on a large-scale advanced propeller: Prediction and data
[NASA-TM-103218] 03 p0323 N91-11799
Near-field noise of a single-rotation propfan at an angle of attack
[NASA-TM-103645] 03 p0414 N91-12316
Unsteady blade pressure measurements for the SR-7A propeller at cruise conditions
[NASA-TM-103606] 11 p1791 N91-19825
Unsteady flowfield of a propfan at takeoff conditions
[NASA-TM-105223] 24 p3949 N91-32075
NAM, CHANGHO
Aeroservoelastic tailoring for lateral control enhancement 08 p1098 N91-16025
NAMACHCHIVAYA, N. S.
Stochastic dynamics and bifurcation behavior of nonlinear nonconservative systems in the presence of noise
[AD-A228923] 09 p1392 N91-17662
NAMASIVAYAM, S.
First and subsequent return stroke properties of cloud-to-ground lightning 24 p4048 N91-32614
NAMBOODIRI, P. M. S.
Energy and angular momentum transfer in binary galaxies 08 p1260 N91-16940
NAMGUNG, IHN
Planning collision-free paths with applications to robot manipulators 09 p1346 N91-17398
NAMIAS, J.
Large-scale ocean atmospheric variability associated with hydrological extremes in Western North America
[PB91-159400] 17 p2812 N91-25540
NAMIOKA, TAKESHI
Analysis of poiarization properties of shallow metallic gratings by an extended Rayleigh-Fano theory
[DE91-016982] 24 p4087 N91-32835
NAMKOONG, DAVID
Scaling analysis applied to the NORVEX code development and thermal energy flight experiment
[NASA-TM-104462] 16 p2627 N91-24549
NAMKUNG, MIN
Method and apparatus for characterizing residual stress in ferromagnetic materials
[NASA-CASE-LAR-14239-1] 05 p0636 N91-13527
NANDHAKUMAR, N.
Positional estimation techniques for an autonomous mobile robot
[NASA-CR-187689] 05 p0670 N91-13725
A phenomenological approach to multisource data integration: Analysing infrared and visible data 07 p1024 N91-15621
NANEVICZ, J. E.
Airborne observations of electric fields around growing and decaying cumulus clouds 24 p4049 N91-32616
Scale-model charge-transfer technique for measuring enhancement factors 24 p4055 N91-32651
NANOBASHVILI, J. I.
Experiments with collision of vortices in rotating and still free-surface shallow water 06 p0920 N91-15080
NANOBASHVILI, S.
Comments on edge turbulence during lower hybrid current drive experiment on CASTOR tokamak
[IPPCZ-279] 01 p0123 N91-10726
NANSHENG, ZHAO
A comparative study of the continuum and emission characteristics of comet dust. 1: Are the silicates in Comet Halley and Kohoutek amorphous or crystalline 06 p0906 N91-15005
NANSTAD, R. K.
Effects of irradiation on crack-arrest toughness of two high-copper welds
[DE91-007189] 11 p1682 N91-19270
Comparisons of irradiation-induced shifts in fracture toughness, crack arrest toughness, and Charpy impact energy in high-copper welds
[DE91-008881] 20 p3315 N91-28349
NANSTAD, RANDY K.
Effects of irradiation on initiation and crack-arrest toughness of two high-copper welds and on stainless steel cladding
[DE91-001272] 06 p0809 N91-14467
NANUT, VICTOR
Numerical solution of stiff ordinary differential equations for polymerisation kinetics
[MRL-TR-90-18] 07 p1056 N91-15802
NAPOLITANO, L. G.
Thermal Marangoni convection in a floating zone (TEXUS 9) ESA 23 p3826 N91-31341
NAPOLITANO, MARCELLO ROSARIO
A new approach to the flight control system reconfiguration following a battle damage and/or generic failure on a control surface 02 p0182 N91-11023
NAQWI, A.
Optimization of a laser diode anemometry system
[LSTM-239/T/88] 08 p1155 N91-16364
NARAMOTO, HIROYA
Power plant by LIB fusion 11 p1802 N91-19892
NARANG, S. C.
Solid polymer electrolytes for rechargeable batteries
[DE91-010231] 15 p2417 N91-23384
NARASIMHA, R.
Modelling the transitional boundary layer
[NASA-CR-187487] 08 p1092 N91-15995
NARASIMHAN, T. N.
Reactive chemical transport in ground-water hydrology: Challenges to mathematical modeling
[DE91-005244] 10 p1538 N91-18463
NARATH, A.
Technology teamwork: The role of the national laboratories in implementing US technology policy
[DE91-010017] 16 p2701 N91-24956
NARAYAN, J. R.
Computation of turbulent high speed mixing layers using a two-equation turbulence model 13 p2015 N91-21084

NARAYANA, K. T.
Real-time system specification and verification
[AD-A227682] 08 p1206 N91-16634
NARAYANAMURTI, V.
Compound semiconductors, strained layer epitaxy, and the information age
[DE91-007735] 11 p1808 N91-19932
NARAYANAN, A. A.
Diode laser scaling using unconventional adaptive optics
[AD-A233060] 16 p2689 N91-24884
NARAYANAN, G. V.
ASTROP2 users manual: A program for aeroelastic stability analysis of propfans
[NASA-TM-4304] 20 p3363 N91-28627
NARDIN, M.
Investigations on the interface and mechanical properties of composites based on non impregnated carbon fibre reinforced thermoplastic preforms
[MBB-Z-0298-90-PUB] 04 p0497 N91-12757
NARIMOUSA, S.
Laboratory modelling of the dynamics of coastal upwelling
[AD-A234987] 18 p3018 N91-26664
NARITA, KENICHI
Characteristics of winter lightning currents struck an isolated tower 24 p4047 N91-32607
NARR, W.
Does wrinkle ridge formation on Mars involve most of the lithosphere 14 p2349 N91-22992
NARRAWAY, J.
Fertilization of Xenopus eggs in space
11 p1750 N91-19624
NARZIYEV, M.
Determination of the masses and densities of meteoroids from radar observations from one point
18 p2932 N91-26177
NASAR, SYED A.
High frequency losses in induction motors, part 2
[NASA-CR-188443] 16 p2631 N91-24565
NASBY, R. D.
Total-dose degradation of thin film ferroelectric capacitors
[DE90-007152] 08 p1130 N91-16218
Properties and characterization of thin film ferroelectric capacitors for nonvolatile memories
[DE91-004037] 08 p1134 N91-16242
Aspects of fatigue and rapid depolarization in the film PZT capacitors
[DE91-014904] 21 p3509 N91-29484
NASCIMENTO, I. C.
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-628758] 02 p0271 N91-11524
NASH, A. S.
Sintering and hot isostatic pressing of Bi2Sr2CaCu2O(x)
[DE91-010797] 15 p2516 N91-23945
Consolidation and plasticity of Bi-Sr-Ca-Cu-O superconductors
[DE91-015544] 21 p3599 N91-30028
NASH, ERIC R.
Residual circulations calculated from satellite data: Their relations to observed temperature and ozone distributions
[NASA-CR-188952] 04 p0610 N91-13391
NASH, J. K.
Advanced design and modeling concepts for recombination x ray lasers
[DE91-005071] 07 p1008 N91-15536
Saturation and kinetic issues for optical-field-ionized plasma x ray lasers
[DE91-012079] 18 p2991 N91-26517
NASH, P.
Sintering and hot isostatic pressing of Bi2Sr2CaCu2O(x)
[DE91-010797] 15 p2516 N91-23945
Consolidation and plasticity of Bi-Sr-Ca-Cu-O superconductors
[DE91-015544] 21 p3599 N91-30028
NASH, PHILIP
Microstructure, plastic deformation and mechanical properties of mechanically alloyed NiAl and NiAl based alloys
[AD-A235135] 18 p2954 N91-26303
NASH, S. K.
Fracture of brittle solids 12 p1860 N91-20217
NASH, SARAH H.
A survey of Total Quality Management (TQM) resource centers
[AD-A229218] 09 p1422 N91-17831
NASH, T. J.
Visible spectroscopy diagnostics of light-ion beams
[DE91-017450] 24 p4100 N91-32908
NASON, D.
Crystal surface analysis using matrix textural features classified by a probabilistic neural network
[DE91-014120] 20 p3433 N91-29048
Optical diagnostics of mercuric iodide crystal growth
[DE91-017396] 24 p4112 N91-32983
NASRALLAH, M. M.
Defect characterization of electronic conducting pseudo-perovskite systems
[DE91-014385] 21 p3592 N91-29978
NASSTROM, JOHN S.
The value of on-site sodar data in regional modeling
[DE90-009921] 08 p1180 N91-16498
NASTASI, M.
Microstructural evolution of Fe grown on a (001) Cu film and its implication to the elastic anomaly in metallic superlattices
[DE91-005875] 09 p1313 N91-17205
Excimer laser surface processing for tribological applications in metals and ceramics
[DE91-002324] 11 p1712 N91-19428
NASTASI, MICHAEL
Superconducting YBaCuO thin films by Cu-ion implantation
[DE91-004867] 07 p1074 N91-15909
NASU, K.
Spectrum of the third-order nonlinear susceptibility of trans-polyacetylene
[AD-A230109] 12 p1873 N91-20291
NATANSON, G. A.
A method of determining attitude from magnetometer data only 09 p1291 N91-17094
NATANZON, A. M.
On the possibility to support multisatellite measurements of the Cluster mission by single satellite measurements in the Regatta-Cluster project 01 p0071 N91-10428
NATENBRUK, P.
EXPRESS: An experimental return service from orbit
[MBB-UO-0063-89-PUB] 03 p0321 N91-11793
NATESAN, K.
The role of Zr and Nb in oxidation/sulfidation behavior of Fe-Cr-Ni alloys
[DE91-005749] 10 p1498 N91-18247
Electronic transport properties in copper oxides
[DE91-018182] 24 p3976 N91-32213
NATH, NITYA
Astromag data system concept
[NASA-CR-186341] 15 p2387 N91-23211
NATHAN, TERRENCE
Use of satellite data and modeling to assess the influence of stratospheric processes on the troposphere
08 p1185 N91-16517
Use of satellite data and modeling to assess the influence of stratospheric processes on the troposphere
24 p4058 N91-32673
NATHRATH, N.
C-band antennas for regional communication systems
[MBB-UK-0107-90-PUB] 11 p1695 N91-19336
NATIONS, J. A.
Active Design Database (ADDB) user's manual
[DE91-010431] 15 p2523 N91-23985
NATISHAN, PAUL M.
Method of growing diamond film on substrates
[AD-D014632] 06 p0811 N91-14479
NATTER, E. F.
Design of a multivariable RF control system using gain-shaping in the frequency domain
[DE91-013859] 20 p3336 N91-28474
NAUGLE, JOHN E.
First among equals: The selection of NASA space science experiments
[NASA-SP-4215] 19 p3266 N91-28060
NAULIN, V.
Formation and dynamics of solitary waves and vortices in driven and damped systems
20 p3416 N91-28942
NAUMANN, HANS
Development and test of power amplifiers for driving low-voltage piezo-actuators in multistable interferometers
[ESA-TT-1196] 03 p0360 N91-12015
NAUMANN, K. W.
Hypersonic aerodynamics of guided projectiles
[ISL-CO-259/88] 04 p0471 N91-12642
Deep overheating of thin bodies in flight with very low-angled trajectory
[ISL-R-126/89] 13 p2019 N91-21107
Possibilities of trajectory modification
[ISL-CO-209/90] 13 p2028 N91-21151
NAUMANN, ROBERT J.
Desirable limits of accelerative forces in a space-based materials processing facility 03 p0429 N91-12403
Hanging drop crystal growth apparatus
[NASA-CASE-MFS-26061-1] 08 p1236 N91-16815
NAUNDORF, V.
Formation of defect structures in metals during irradiation
[DE91-015548] 23 p3815 N91-31278
NAUS, D. J.
Development of the structural materials information center
[DE90-016521] 02 p0285 N91-11603
NAUS, HENRICUS WILHELMUS LEON
Off-shell effects in electromagnetic reactions
[ETN-90-97749] 03 p0417 N91-12330
NAVAEE, SHAHNAM
Alternate equilibrium configurations of flexible cantilever beams 02 p0224 N91-11254
NAVARD, PATRICK
Field 3, theme 1: Structural materials. Post 2: Thermotropic liquid crystal polymers
[ETN-91-99982] 23 p3819 N91-31306
NAVARD, SHARON E.
Evaluating the effect of accuracy ratios on the percent of calibrations which are out of tolerance
18 p3095 N91-27107
NAVARRE, GILLES ALEXANDRE HENRI
Study of the mechanisms of damage and failure of fiber and ceramic matrix composites
[ISAL-90-0026] 01 p0023 N91-10135
NAVARRO, ROGER L.
Goodard Space Flight Center/Wallops Flight Facility airborne geoscience support capability
17 p2792 N91-25449
NAVEDA, J. F.
Reading computer programs: Instructor's guide to exercises
[AD-A228026] 07 p1052 N91-15775
NAVINCHANDRA, D.
Steps toward environmentally compatible product and process design: A case for green engineering
[AD-A232888] 15 p2460 N91-23633
NAWAB, HAMID
Northeast Artificial Intelligence Consortium (NAIC). Volume 17: High-level adaptive signal processing
[AD-A234896] 18 p3048 N91-26831
NAWIJN, WIM M.
Scheduling jobs on parallel machines, each with a unit-capacity buffer
[MEMO-837] 04 p0568 N91-13153
On random interval graphs and the maximum throughput rate in the system GI/G/1/0
[MEMO-840] 04 p0575 N91-13193
NAYANI, S.
A finite element solver for 3-D compressible viscous flows
[NASA-CR-184175] 21 p3510 N91-29488
NAYLOR, T.
IUE observations of dwarf novae
09 p1430 N91-17872
NAYROLES, B.
A first hot wire scanner
[AAAF-NT-89-16] 23 p3798 N91-31188
NAZ, P.
Propagation of helicopter noise in the low atmosphere layers
[ISL-CO-203/90] 13 p2147 N91-21830
NAZAREWICZ, W.
Reflection-asymmetric shapes in atomic nuclei
[DE91-013414] 20 p3401 N91-28851
Shell model calculations at superdeformed shapes
[DE91-012954] 20 p3401 N91-28853
NAZIROV, R. R.
Long-term and short-term planning of x ray and gamma observations on board the Earth satellites
14 p2213 N91-22228
NDOH, N. N.
UK airlines' cost structure and implications of air transport services fragmentation. Research report on air transport fragmentation
[TT-9011] 05 p0618 N91-13427
NEAGLE, B.
Holographic lens for wide field-of-view laser communication receiver
[AD-A231620] 13 p2090 N91-21502
NEAL, CLIVE R.
Wanted: Lunar detectives to unravel the mysteries of the Moon! Crime to be solved: Mass extinctions on the Moon by meteorite impact! 11 p1822 N91-20010
NEAL, D. R.
Measurements of passive-scalar spectra for grid turbulence using a nonlinear optical technique
[DE91-005310] 15 p2507 N91-23892
NEAL, DONALD M.
Model sensitivity in stress-strength reliability computations
[AD-A232023] 15 p2447 N91-23554
NEAL, J. G.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640

NEALY, J. E.
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068
NEALY, JOHN E.
Single launch lunar habitat derived from an NSTS external tank
[NASA-TM-4212] 05 p0765 N91-14251
Space radiation dose analysis for solar flare of August 1989
[NASA-TM-4229] 05 p0768 N91-14265
Cellular track model of biological damage to mammalian cell cultures from galactic cosmic rays
[NASA-TP-3055] 08 p1268 N91-16981
Preliminary analysis of a radiobiological experiment for LifeSat
[NASA-TM-4236] 09 p1450 N91-17998
Radiation protection for human missions to the Moon and Mars
[NASA-TP-3079] 09 p1450 N91-17999
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
NEAMTU, M.
Approximation and geometric modeling with simplex B-splines associated with irregular triangles
[MEMO-842] 01 p0115 N91-10673
On discrete simplex splines and subdivision
[MEMO-860] 04 p0575 N91-13194
Geometrically smooth interpolation by triangular Bernstein-Bezier patches with coalescent control points
[MATHS-MEMO-888] 10 p1581 N91-18702
Subdividing multivariate polynomials over simplices in Bernstein-Bezier form without de Casteljau algorithm
[MATHS-MEMO-889] 10 p1581 N91-18703
Multivariate divided differences. 1: Basic properties
[MATHS-MEMO-875-1] 10 p1586 N91-18745
Multivariate divided differences. Part 2: Multivariate B-splines
[MEMO-932] 22 p3748 N91-30892
NEARY, PATRICK F.
High vacuum facility for hydrazine thruster testing
11 p1658 N91-19134
NEATHAMMER, ROBERT
HQ-IFS Maintenance Resource Prediction Model (MRPM) user's manual
[AD-A229297] 22 p3762 N91-30972
NEATHAMMER, ROBERT D.
Maintenance Resource Prediction Model (MRPM) user's manual
[AD-A232019] 15 p2485 N91-23762
NEBACK, H. E.
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 2: User guide
[NASA-CR-181924-VOL-2] 16 p2548 N91-24119
NEBEL, JOHN K.
Development of a test-bed for real-time monitoring of pilot mental status 08 p1194 N91-16563
NEBEL, R. A.
Two-fluid simulations of the reversed-field pinch
[DE91-001961] 05 p0719 N91-14014
NEBEL, RICHARD A.
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739
NECHAYEVA, E. N.
Functional testing during yearlong antiorthostatic hypokinesia 19 p3208 N91-27732
NECHITAILENKO, V. A.
Proceedings of the Workshop on Geophysical Informatics
[PB91-164376] 22 p3704 N91-30618
NEDERBRAGT, ANNEKE
Unicellular algae in space. 3: Addendum
11 p1753 N91-19641
NEDERHOF, MARK-JAN
Partial evaluation grammars
[TR-91-01] 23 p3910 N91-31826
NEDOLUHA, GERALD ERNST
The transfer of polarized radiation in astrophysical masers in the presence of magnetic fields
02 p0290 N91-11629
NEEB, K. P.
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
NEEDELMAN, WILLIAM M.
Quantifying oil filtration effects on bearing life
[NASA-TM-104350] 15 p2439 N91-23512
NEEDLEMAN, KATHY E.
A semiempirical method for obtaining fuselage normal areas from fuselage Mach sliced areas
[NASA-TM-4228] 05 p0619 N91-13433
A methodology for designing aircraft to low sonic boom constraints
[NASA-TM-4246] 10 p1470 N91-18105
NEELY, EDGAR S.
Maintenance Resource Prediction Model (MRPM) user's manual
[AD-A232019] 15 p2485 N91-23762
HQ-IFS Maintenance Resource Prediction Model (MRPM) user's manual
[AD-A229297] 22 p3762 N91-30972
NEESE, W.
Smoke and extinguisher agent dissipation in a small pressurized fuselage
[DOT/FAA/CT-89/31] 06 p0778 N91-14317
NEFF, J. E.
The intrinsic H I Lyman-alpha line profiles of late-type stars 09 p1437 N91-17920
NEFF, J. M.
The effect of longitudinal spacer ribs on the minimum pressure drop in a heated annulus
[DE91-000784] 05 p0658 N91-13655
NEFF, S. G.
Tidal events and galactic activity
08 p1255 N91-16911
NEFF, W. A.
Electroless nickel bath recovery by cation exchange and precipitation
[DE91-001988] 06 p0807 N91-14457
NEGLEY, G. H.
Tritium-field betacells
[DE91-014666] 21 p3579 N91-29910
NEGLEY, GERALD H.
Development of N/P AlGaAs free-standing top solar cells for tandem applications 22 p3633 N91-30218
NEGRI, B.
The architecture of the SAX-OCC: A control centre for a scientific satellite 14 p2210 N91-22204
The design of the SAX scientific data archive for a quick look at the rotational control centre
14 p2223 N91-22295
NEGRINI, DANIELA
Gravity dependence of pleural liquid turnover
11 p1754 N91-19651
NEGRON, N.
Habitability: CAMELOT 4 10 p1479 N91-18150
NEHRKORN, T.
Design of an enhanced global spectral model
[AD-A232123] 15 p2464 N91-23655
NEIKIRK, DEAN
Microwave and millimeter-wave oscillators and planar power combining structures for QWITT and Gunn diodes
[AD-A226246] 04 p0520 N91-12893
NEILSEN, ELIZABETH
Basic research in human factors
[AD-A226318] 10 p1564 N91-18602
NEILSEN, M. K.
Development of hermetic microminiature connectors
[DE90-015562] 02 p0206 N91-11153
A structural constitutive algorithm based on continuum damage mechanics for softening with snapback
[DE90-015841] 05 p0679 N91-13773
NEILSON, G. H.
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946
NEILSON, J.
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592
NEINER, GEORGE
Hot gas ingestion test results of a two-poster vectored thrust concept with flow visualization in the NASA Lewis 9- x 15-foot low speed wind tunnel
[NASA-TM-103258] 13 p2020 N91-21116
NEINER, GEORGE H.
Flow visualization and hot gas ingestion characteristics of a vectored thrust STOVL concept
12 p1836 N91-20090
NEININGER, BRUNO
Summary of aircraft measuring activities at LAPETH
14 p2289 N91-22661
NEIR, R.
Civil tiltrotor missions and applications. Phase 2: The commercial passenger market
[NASA-CR-177576] 18 p2923 N91-26126
NEJAD, A. S.
Premixed, turbulent combustion of axisymmetric sudden expansion flows 16 p2579 N91-24294
NEKHOROSHEV, A. S.
Combined effect of noise and vibration on cells of auditory and vestibular apparatus
18 p3026 N91-26707
NELIN, C. J.
Covalent and ionic contributions to the bonding of atomic and molecular adsorbates on metal surfaces: A cluster model approach
[AD-A229947] 12 p1976 N91-20868
NELIUS, ANDREW E.
Guide to measurement of winds with instrumented aircraft
[NASA-CR-188601] 17 p2814 N91-25553
NELKIRK, D. P.
Picosecond laser system for high speed characterization of monolithic devices
[AD-A227372] 06 p0831 N91-14595
NELLIS, W. J.
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373
Properties of planetary fluids at high shock pressures and temperatures
[DE91-011195] 17 p2916 N91-26102
NELSON, A. J.
Comparative study of phosphosilicate glass on (100) silicon by furnace and rapid isothermal annealing
[NIAR-90-26] 08 p1120 N91-16153
NELSON, B. A.
Experiments on linear high beta helical axis stellarators to study simulated toroidal effects and Alfven-wave heating
[DE90-016122] 01 p0125 N91-10738
Formation and sustainment of a very low aspect ration tokamak using coaxial helicity injection (the Helicity Injected Torus (HIT) experiment)
[DE91-013948] 20 p3420 N91-28967
NELSON, CURTIS FREDERICK
Measurement and control of the unsteady, separated flow downstream of an oscillating spoiler
22 p3611 N91-30086
NELSON, D.
Cellular automata and parallel processing for practical fluid-dynamics problems
[AD-A229234] 09 p1388 N91-17635
NELSON, D. A.
Synthetic surfaces as models for biomineralization substrates
[DE91-005182] 10 p1505 N91-18282
Radioluminescent polymer lights
[DE91-005521] 11 p1686 N91-19290
NELSON, D. E.
Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538
NELSON, DAVID K.
Force-reflecting Interfaces to Telemanipulators Testing system (FITTS) interim user's guide
[AD-A231484] 14 p2271 N91-22563
NELSON, E.
A 2D field solver for periodic structures with special corner elements
[DE91-012323] 20 p3391 N91-28792
A high power cross-field amplifier at X-Band
[DE91-013277] 21 p3503 N91-29441
NELSON, EMILY S.
An examination of anticipated g-jitter on space station and its effects on materials processes
[NASA-TM-103775] 13 p2066 N91-21378
NELSON, GARY J.
Data extraction and calibration of TIROS-N/NOAA radiometers
[NOAA-TM-NESS-107-REV-1] 04 p0543 N91-13010
NELSON, HAROLD
National airspace system. Communications operational concept NAS-SR-136
[DOT/FAA/SE-91/1] 16 p2557 N91-24185
NELSON, HAROLD, JR.
Navigation operational concept
[NAS-SR-134] 22 p3616 N91-30117
NELSON, J. BRADLEY
Crustal magnetization and gradient tensor component maps of the northern Juan de Fuca Ridge
[DREP-TM-88-21] 22 p3707 N91-30632
NELSON, J. J.
The 1980 solar maximum mission event listing
[NASA-TM-4287] 18 p3091 N91-27087
NELSON, J. S.
Electronic properties of Si-doped n-doping-intrinsic-p-doping-intrinsic (nipi) structures in GaAs
[DE91-009474] 15 p2515 N91-23941
NELSON, JAMES A.
Revealing the microstructure of materials
12 p1860 N91-20220
NELSON, LOREN
Continuous wave laser for wind shear detection
16 p2552 N91-24142
NELSON, M. L.
Compositions of near-Earth asteroids
16 p2596 N91-24386
NELSON, MARCIA L.
Compositions of near-Earth asteroids
17 p2754 N91-25242
Characterization of low albedo asteroids
17 p2905 N91-26042

NELSON, MARK
Biological Life Support Technologies: Commercial Opportunities
[NASA-CP-3094] 05 p0691 N91-13842
NELSON, MICHAEL L.
Clustering, concurrency control, crash recovery, garbage collection, and security in object-oriented database management systems
[AD-A235448] 19 p3260 N91-28032
NELSON, P. A.
Development of high performance sodium/metal chloride cells
[DE90-017668] 02 p0207 N91-11159
Adaptive inverse filters for stereophonic sound reproduction
[ISVR-TR-187] 05 p0712 N91-13975
Active reduction of an enclosed sound field: An experimental investigation
[RR-381] 07 p1063 N91-15846
Power output minimisation and power absorption in the active control of sound
[ISVR-TR-191] 22 p3751 N91-30911
NELSON, R. A.
Unifying the controlling mechanisms for the critical heat flux and quenching: The ability of liquid to contact the hot surface
[DE91-005946] 19 p3257 N91-28015
NELSON, R. C.
Potential health risks from postulated accidents involving the Pu-238 RTG (Radioisotope Thermoelectric Generator) on the Ulysses solar exploration mission
[DE91-007142] 11 p1796 N91-19857
NELSON, R. L.
Optimal aeroassisted orbital transfer with plane change using collocation and nonlinear programming
09 p1292 N91-17101
NELSON, R. M.
Performing motor and sensory neuronal conduction studies in adult humans
[PB91-152736] 17 p2821 N91-25588
NELSON, R. N.
Laboratory studies of refractory metal oxide smokes
06 p0903 N91-14993
NELSON, RANDALL J.
Changes in somatosensory responsiveness in behaving monkeys
[AD-A226832] 08 p1190 N91-16540
NELSON, RICHARD S.
Application of cyclic damage accumulation life prediction model to high temperature components
16 p2582 N91-24309
NELSON, ROBERT C.
Visualization of leading edge vortices on a series of flat plate delta wings
[NASA-CR-4320] 12 p1831 N91-20062
Unsteady aerodynamics of slender wings
14 p2192 N91-22105
Breaking down the delta wing vortex: The role of vorticity in the breakdown process
[NASA-CR-188235] 16 p2546 N91-24109
NELSON, TOMMY RAY
Research on climate change
[DE90-016726] 01 p0068 N91-10408
NEMAT-NASSER, SIA
Formation of controlled adiabatic shear bands in AISI 4340 high strength steel
[AD-A230999] 13 p2053 N91-21300
NEMEC, PAUL T.
The utility of elliptical and circular confidence regions for HFDF receivers
[AD-A238390] 21 p3569 N91-29842
NEMES, J. A.
Modelling the response of thick composite materials due to axisymmetric shock loading
[AD-A239531] 23 p3808 N91-31243
NEMES, JOHNNY
INMARSAT access approval
24 p3957 N91-32110
NEMETH, ED
Reusable rocket engine intelligent control system framework design, phase 2
[NASA-CR-187213] 23 p3804 N91-31219
NEMETH, MICHAEL P.
Axisymmetric shell analysis of the space shuttle solid rocket booster field joint
[NASA-TP-3033] 06 p0835 N91-14618
Nondimensional parameters and equations for buckling of symmetrically laminated thin elastic shallow shells
[NASA-TM-104060] 14 p2241 N91-22397
NEMETH, NOEL N.
Calculation of Weibull strength parameters, Batdorf flaw density constants and related statistical quantities using PC-CARES
[NASA-TM-103247] 01 p0056 N91-10332
NEMETH, PATTI M.
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702
NEMIROVSKII, S. K.
Reflections on some problems concerning the role of superfluid turbulence in the propagation of second-sound pulses in He 2
[MPIS-8/1990] 11 p1791 N91-19827
NEMLIKHER, YU.
RELICT 2 project: Scientific program and structure
13 p2174 N91-21998
NEMOTO, K.
Theoretical analysis of discharges in copper vapor lasers: Comparison between Ne and He
[DE91-736781] 09 p1341 N91-17367
Development of long life pulse power supply for copper vapor laser
[DE91-736783] 09 p1341 N91-17368
Wavelength control of visible light laser diodes
[DE91-736784] 09 p1342 N91-17369
NEMOTO, TOSHIYUKI
Developmental assessment of RELAP5/MOD3 code against ROSA-IV/TPTF horizontal two-phase flow experiments
[DE90-513748] 04 p0521 N91-12899
NEMOV, ALEKSANDR
Specialists at flight control center discuss shuttle computer systems 08 p1100 N91-16040
NEMZEK, ROBERT JAMES
Echo 7: Magnetospheric properties determined by artificial electron beams 15 p2463 N91-23644
NENNIE, F. A.
Feasibility to study of a non-reciprocal latched ferrite phase shifter in the 92-96 GHz band
[FEL-90-B114] 05 p0654 N91-13634
NEPLENBROEK, ANTONIUS MARIA
Stability of supported liquid membranes
[ISBN-90-90031-32-4] 03 p0338 N91-11897
NEREM, R. STEVEN
Consideration of permanent tidal deformation in the orbit determination and data analysis for the Topex/Poseidon mission
[NASA-TM-100775] 22 p3705 N91-30619
NERI, D. F.
Sustained/Continuous Operations Subgroup of the Department of Defense Human Factors Engineering Technical Group: Program summary and abstracts
[AD-A223901] 07 p1037 N91-15689
NERI, F.
Invariant metrics for Hamiltonian systems
[DE91-014236] 20 p3393 N91-28807
NERI, FERI
High-order optics of multipole magnets
[DE90-016438] 01 p0121 N91-10717
NERI, RODOLFO
Mexican experience in manned flight and considerations to define future missions 07 p0949 N91-15207
Manned space stations: Their construction, operation and potential applications
[ESA-SP-1137] 10 p1488 N91-18201
NERODE, ANIL
Fellowship in parallel and distributed computing
[AD-A225926] 04 p0568 N91-13149
NERREN, BILLY H.
Sample holder support for microscopes
[NASA-CASE-MFS-28420-1] 13 p2097 N91-21545
NERY, CARLOS EDUARDO
Beta splines interpolation for DEM's
[INPE-5039-PRE/1572] 02 p0255 N91-11415
NESASA, MITSUO
Image mapping 01 p0060 N91-10359
NESENBERGS, M.
Image data compression overview: Issues and partial solutions
[PB90-172008] 01 p0134 N91-10796
NESNIDAL, M. P.
Electron capture by multicharged ions from hydrogen atoms at eV energies
[DE91-001214] 04 p0582 N91-13243
NESSYAHU, HAIM
The convergence rate of approximate solutions for nonlinear scalar conservation laws
[NASA-CR-187608] 22 p3744 N91-30966
NESTLERODE, S. R.
Projects within the Center for Advanced Materials
[PB91-205716] 24 p3970 N91-32178
NESTOR, D. E.
Performing motor and sensory neuronal conduction studies in adult humans
[PB91-152736] 17 p2821 N91-25588
NETA, BENY
Software for the parallel solution of systems of ordinary differential equations
[AD-A235489] 19 p3235 N91-27889
NETHERWOOD, P. H., JR.
Explosive consolidation of combustion synthesized TiB2 and TiC: Microstructural properties
[AD-A226390] 04 p0504 N91-12800
NETO, ATAIR RIOS
A stochastic approach to the problem of spacecraft optimal manoeuvres
[INPE-5192-PRE/1660] 13 p2031 N91-21171
NETO, ORFEU BERTOLAMI
Cosmological implications of supergravity and superstring theories 14 p2344 N91-22957
NETT, H.
Considerations and studies for the construction of acceleration coils for inductive launchers
[ISL-CO-240/89] 13 p2092 N91-21173
NETTE, HERBERT L.
The role of EEPROM devices in upcoming ISDN applications
[AD-A234837] 18 p2980 N91-26454
NETTLES, A. T.
A damage tolerance comparison of IM7/8551 and IM8G/8553 carbon/epoxy composites
[NASA-TM-103526] 10 p1494 N91-18222
A novel method of testing the shear strength of thick honeycomb composites
[NASA-TP-3108] 13 p2044 N91-21242
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185
NETZ, D.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941
NETZER, AVITAL
Spectral recovery of discontinuous data
[ITN-91-85115] 18 p3052 N91-26853
NETZER, NATHAN
Interaction of radiation with outflows in late-type stars
20 p3448 N91-29136
NETZER, VLADIMIR
Planning of minimum-time trajectories for robotic arms
[ITN-91-85141] 20 p3355 N91-28583
NEU, THOMAS J.
Evaluation of generalized thresholds in an objective multispectral satellite cloud analysis
[AD-A232716] 15 p2470 N91-23683
NEUBAUER, F. M.
Configurational sensitivity of multipoint magnetic field measurements 01 p0070 N91-10421
Cluster as a wave telescope 01 p0070 N91-10424
NEUBAUER, RUDOLF
On the technology for preparation of a HeNe discharge tube for use in a laser gyro
[ESA-TT-1222] 22 p3680 N91-30493
NEUBEK, DEBORAH J.
Developing a taxonomy for mission architecture definition 18 p3095 N91-27108
NEUBERT, JUERGEN W.
Does gravity play a role in the morphological development and function of the gravity sensory organ of vertebrates. DLR contribution to the D-2 project graviperception and neuronal plasticity, its technical realization and experimental execution
11 p1752 N91-19635
NEUBERT, T.
Effects of neutral gas release on current collection during the CHARGE-2 rocket experiment
09 p1405 N91-17730
NEUBERT, TORSTEN
Plasma density enhancements created by the ionization of the Earth's upper atmosphere by artificial electron beams 10 p1551 N91-18531
NEUBURGER, DORON
An active delay of separation on two-dimensional airfoils
[ITN-91-85142] 20 p3280 N91-28139
NEUDORFL, PAVEL
Laboratory evaluation of portable and walk-through explosives vapour detectors
[NAE-LTR-UA-104] 21 p3517 N91-29533
NEUFELD, DAVID A.
Lyman alpha radiation in external galaxies
05 p0752 N91-14186
Excitation of submillimeter water masers
13 p2177 N91-22024
The submillimeter wave astronomy satellite
13 p2177 N91-22025
NEUGEBAUER, C.
Optoelectronic realizations of neural network models
[AD-A228841] 09 p1327 N91-17292
NEUGEBAUER, HELEN
GPS measurements of deformation associated with the 1987 Superstition Hills earthquake: Evidence for conjugate faulting
[NASA-CR-187781] 07 p1029 N91-15647

NEUGEBAUER, MARCIA
The CRAF mission and Earth-based comet observations 12 p2007 N91-21047
The comet rendezvous asteroid flyby mission: A status report 17 p2898 N91-26015
NEUHART, DAN H.
Flow visualization studies of blowing from the tip of a swept wing
[NASA-TM-4217] 06 p0771 N91-14274
NEUHAUS, P.
TEMPUS: First results 13 p2062 N91-21350
NEUL, ANDREAS
Modeling and coding in aeronautical satellite channel
[ETN-90-97899] 02 p0203 N91-11137
NEUMAN, J. E.
A preliminary stage configuration for a Low Pressure Nuclear Thermal Rocket (LPNTR)
[DE91-006110] 10 p1491 N91-18210
A case for Mars: A case for nuclear thermal rockets
[DE91-006143] 10 p1491 N91-18211
NEUMAN, JAMES C.
Solar thermal vacuum tests of Magellan spacecraft 11 p1657 N91-19127
NEUMAN, W. A.
Characteristics of pulsed nuclear reactor pumped flowing gas lasers
[DE91-010054] 16 p2633 N91-24574
NEUMANN, D. A.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0198 N91-11108
NEUMANN, MICHAEL
Principal components of minus M-matrices
[AD-A232354] 15 p2495 N91-23818
NEUMANN, ULRICH
Taxonomy and algorithms for volume rendering on multicomputers
[AD-A236632] 20 p3388 N91-28771
NEUMANN, WILLIAM T.
Range estimation techniques in single-station thunderstorm warning sensors based upon gated, wideband, magnetic direction finder technology 24 p4049 N91-32618
NEUMARK, D. M.
Vibrationally resolved photoelectron spectra of Si3 and Si4
[AD-A225383] 03 p0339 N91-11901
Photoelectron spectroscopy of Si2
[AD-A230911] 13 p2151 N91-21853
NEUMARK, DANIEL M.
Study of the low-lying electronic states of Si2 and Si2(-) using negative ion photodetachment techniques
[AD-A234336] 18 p2946 N91-26256
Negative ion photodetachment as a probe of the transition state region: The I + HI reaction
[AD-A235297] 18 p3059 N91-26900
NEUNZERT, H.
Computational methods for the Boltzmann equation
[BR-43] 01 p0043 N91-10256
NEUROTH, M.
Directional solidification of the LiF-LiBaF3 eutectic system 14 p2334 N91-22901
NEUSCHUETZ, D.
Alloys with oxide inclusions (TEXUS 2) 23 p3844 N91-31432
NEUVONEN, A.
Creep and creep failure of power plant steels
[VTT-RR-685] 05 p0636 N91-13528
NEVATIA, RAM
Image understanding research
[AD-A232995] 16 p2673 N91-24794
Motion analysis and its applications
[AD-A232945] 16 p2680 N91-24840
NEVEN, W. H. L.
Column reduction of polynomial matrices: An iterative algorithm
[MEMO-COSOR-89-30] 08 p1200 N91-16598
NEVESEPIPHANIO, JOSE CARLOS
Evaluation of TM/LANDSAT-5 bands in the discrimination of wheat and beam crops
[INPE-5204-PRE/1666] 13 p2107 N91-21602
Spectral characteristics of agricultural crops and yield
[INPE-5125-RPE/630] 13 p2110 N91-21619
NEVILLE, J. P.
The use of computers in a materials science laboratory 12 p1860 N91-20214
Crystal growing 12 p1860 N91-20215
NEVINS, M. R.
Evaluation of knowledge-based system development tools
[DE91-017241] 24 p4092 N91-32860
NEVZGODINA, L. V.
Effect of single impacts of heavy ions of galactic cosmic rays on lactuca sativa seeds exposed on Salyut-6 and Salyut-7 stations 01 p0098 N91-10567
NEWBURY, D. E.
Application of parallel computing to the Monte Carlo simulation of electron scattering in solids: A rapid method for profile deconvolution
[DE91-001227] 05 p0713 N91-13980
NEWELL, ALLEN
Towards real-time GOMS
[AD-A232028] 15 p2486 N91-23763
NEWELL, J.
Probabilistic structural analysis methods for space transportation propulsion systems 20 p3298 N91-28238
Concurrent engineering 20 p3299 N91-28247
NEWELL, J. C.
Use of electrical impedance imaging in two-phase, gas-liquid flows
[DE91-015914] 21 p3517 N91-29531
NEWELL, J. F.
Composite load spectra for select space propulsion structural components 16 p2586 N91-24330
Probabilistic design analysis using Composite Loads Spectra (CLS) coupled with Probabilistic Structural Analysis Methodologies (PSAM) 16 p2586 N91-24331
NEWHOUSE, MICHAEL
Concatenated coding with two levels of interleaving 16 p2615 N91-24477
NEWMAN, B. A.
Annealing effects on phase 1 poly(vinylidene fluoride)
[AD-A236741] 19 p3142 N91-27366
Discharge poling and poly(vinylidene fluoride) films
[AD-A236810] 19 p3143 N91-27368
Effects of annealing on the polarization switching of phase 1 poly(vinylidene fluoride)
[AD-A237015] 19 p3143 N91-27371
High temperature characteristics of Nylon-11 and Nylon-7 piezoelectrics
[AD-A236809] 19 p3160 N91-27468
Ferroelectric polarization switching in nylon 11
[AD-A236985] 19 p3161 N91-27475
NEWMAN, BRIAN A.
An extension of a kinetic theory of polymer crystallization through the exclusion of negative barriers
[AD-A236999] 20 p3322 N91-28387
Effect of TCP doping on the remnant polarization in uniaxially oriented poly(vinylidene fluoride) films
[AD-A237001] 20 p3322 N91-28388
Effect of water content on the piezoelectric properties of nylon 11 and nylon 7
[AD-A237013] 20 p3322 N91-28389
NEWMAN, CHARLES M.
Probabilistic analysis of neural networks
[AD-A230165] 12 p1964 N91-20808
NEWMAN, DONALD J.
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
NEWMAN, EDWARD H.
TM scattering by a variable sheet impedance in a multilayered slab
[AD-A225586] 03 p0358 N91-12004
NEWMAN, H. S.
Determination of surface resistance and magnetic penetration depth of superconducting YBa2Cu3O(7-delta) thin films by microwave power transmission measurements
[NASA-TM-103616] 01 p0132 N91-10780
NEWMAN, H. T.
The special requirements of a VSTOL aircraft 20 p3283 N91-28155
NEWMAN, HARVEY S.
Planar gallium arsenide NPNP microwave switch
[AD-D014948] 24 p4006 N91-32398
NEWMAN, J. C.
Review of ASTM symposium on surface crack growth: Models, experiments, and structures
[AD-A230645] 12 p1914 N91-20529
NEWMAN, J. C., JR.
ZIP3D: An elastic and elastic-plastic finite-element analysis program for cracked bodies
[NASA-TM-102753] 03 p0379 N91-12116
Application of elastic and elastic-plastic fracture mechanics methods to surface flaws
[NASA-TM-104964] 15 p2444 N91-23539
NEWMAN, J. G.
Thulium heat source IR/D project 91-031
[DE91-007117] 10 p1541 N91-18485
NEWMAN, JAMES
Critique of a process proposed to determine CF aircrew/cockpit compatibility
[DCIEM-R88-7C] 22 p3720 N91-30705
NEWMAN, JAMES C., JR.
Short-crack growth behaviour in various aircraft materials
[AGARD-R-767] 02 p0222 N91-11240
An AGARD supplemental test programme on the behaviour of short cracks under constant amplitude and aircraft spectrum loading 02 p0222 N91-11241
The growth of short cracks in 4340 steel and aluminum-lithium 2090 02 p0223 N91-11247
NEWMAN, L.
Relationships between PAN and ozone at sites in eastern North America
[DE91-011728] 18 p3007 N91-26607
Methods for determination of low-molecular weight carbonyl compounds in the ambient atmosphere
[DE91-015188] 21 p3538 N91-29656
Sampling of atmospheric carbonyl compounds for determination by liquid chromatography after 2,4-dinitrophenylhydrazine labelling
[DE91-015842] 24 p4042 N91-32585
NEWMAN, LEONARD
Global and regional environmental atmospheric chemistry
[DE90-016693] 01 p0067 N91-10407
NEWMAN, N.
Fabrication of sensitive high Tc bolometers 06 p0794 N91-14389
Fabrication and measurement of high Tc superconducting microbolometers
[DE91-005234] 09 p1411 N91-17767
NEWMAN, PAUL
Scientific and engineering research facilities at universities and colleges, 1990
[PB90-272006] 09 p1424 N91-17837
NEWMAN, PERRY A.
Wall-interference assessment and corrections for transonic NACA 0012 airfoil data from various wind tunnels
[NASA-TP-3070] 12 p1827 N91-20043
NEWMAN, ROBERT
Air ambulance helicopter operational analysis
[DOT/FAA/RD-91/7] 15 p2373 N91-23134
Rotorcraft use in disaster relief and mass casualty incidents: Case studies
[AD-A229569] 22 p3617 N91-30124
NEWMAN, W.
A search for good lattice rules based on the reciprocal lattice generator matrix
[DE91-004425] 08 p1235 N91-16809
NEWMAN, W. I.
Identification and determination of solitary wave structures in nonlinear wave propagation
[DE91-004866] 10 p1525 N91-18400
Limitations to the method of power spectrum analysis: Nonstationarity, biased estimators, and weak convergence to normality
[DE91-008583] 21 p3564 N91-29812
NEWMARK, JEFFREY SCOTT
Coordinated optical and ultraviolet observations of short period RS CVn and W UMa type stars 20 p3441 N91-29096
NEWNAM, B. E.
Free-electron laser sources of extreme-ultraviolet radiation and their vacuum requirements
[DE91-007400] 10 p1530 N91-18428
Laser induced damage in optical materials: 1989
[PB91-148478] 19 p3170 N91-27527
Development of reflective optical systems for XUV projection lithography
[DE91-013167] 21 p3580 N91-29915
NEWNAM, BRIAN E.
XUV free-electron laser-based projection lithography systems
[DE91-000441] 04 p0528 N91-12926
Development of free-electron lasers for XUV projection lithography
[DE90-010566] 08 p1151 N91-16342
Design requirements and calculated performance of an XUV FEL oscillator operating on a higher harmonic
[DE91-004833] 08 p1154 N91-16357
Thermal analysis of multifacet-mirror ring resonator for XUV free-electron lasers
[DE91-005855] 09 p1343 N91-17379
NEWNHAM, R. E.
Piezoelectric and electrostrictive materials for transducer applications, volume 1
[AD-A236219] 19 p3158 N91-27458
Piezoelectric and electrostrictive materials for transducer applications, volume 2
[AD-A236220] 19 p3158 N91-27459
NEWPORT, CURT
Considerations for human-machine interfaces in tele-operations 12 p1948 N91-20715
NEWSOM, JERRY R.
The NASA controls-structures interaction technology program
[NASA-TM-102752] 08 p1103 N91-16057
NEWSOME, PENNY
Astromag data system concept
[NASA-CR-186341] 15 p2387 N91-23211

NEWTON, J.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480
NEWTON, M. A.
International magnetic pulse compression
[DE91-015774] 23 p3859 N91-31520
Proceedings of the International Magnetic Pulse Compression Workshop. Volume 2: Technical summary
[DE91-015775] 23 p3860 N91-31521
NEXSEN, W. E.
Reduction of energy sweep of the ETA-2 beam
[DE91-013824] 20 p3352 N91-28568
NEY, ADDIE
The light curve of the magnetic star AM - Herculis
[ITN-91-85108] 18 p3083 N91-27049
NG, E.
Supernodal symbolic Cholesky factorization on a l ocal-memory multiprocessor
[DE91-014967] 21 p3562 N91-29796
NG, E. G.
A supernodal Cholesky factorization algorithm for shared-memory multiprocessors
[DE91-011255] 17 p2836 N91-25677
NG, KAM W.
Ring damper for structureborne noise suppression in piping systems
[AD-D014818] 16 p2635 N91-24586
NG, KENNEY
A comparative study of the practical characteristics of neural network and conventional pattern classifiers
[AD-A235345] 18 p3042 N91-26795
NG, LIAN L.
On the nonlinear stability of a high-speed, axisymmetric boundary layer
[NASA-CR-187538] 13 p2017 N91-21099
NG, T. TERRY
Visualization of leading edge vortices on a series of flat plate delta wings
[NASA-CR-4320] 12 p1831 N91-20062
NG, YU-NING
Metal injection moulding: A brief review
[NAE-LTR-ST-531] 21 p3478 N91-29289
NGEH-NGWAINBI, JEROME
A protein coated piezoelectric crystal detector
[AD-A223848] 02 p0276 N91-11552
NGHIEM, SON V.
Remote sensing of Earth terrain
[NASA-CR-186904] 06 p0839 N91-14635
Active and passive remote sensing of ice
[AD-A229648] 12 p1917 N91-20543
NGO, DUC M.
Progress in proton transport code development: Microelectronic application 19 p3275 N91-28114
NGUYEN, A.
Determination of ideal-gas enthalpies of formation for key compounds: The 1988 project results
[DE90-000247] 01 p0134 N91-10791
NGUYEN, CHARLES C.
Analysis and design of a six-degree-of-freedom Stewart platform-based robotic wrist
[NASA-CR-187660] 09 p1298 N91-17123
Development of advanced control schemes for telerobot manipulators
[NASA-CR-184930] 09 p1347 N91-17402
Experimental study of trajectory planning and control of a high precision robot manipulator
[NASA-CR-188660] 19 p3174 N91-27547
A study of space-rated connectors using a robotic end-effector
[NASA-CR-188776] 22 p3689 N91-30536
NGUYEN, CHIEN
C-130 Automated Digital Data System (CADDS)
17 p2799 N91-25482
NGUYEN, D.
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640
NGUYEN, DUC T.
Parallel-vector computation for CSI-design code
04 p0598 N91-13332
NGUYEN, FRANK
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697
NGUYEN, H. LEE
Analytical combustion/emissions research relat ·1 to the NASA high-speed research program
[NASA-TM-104521] 19 p3107 N91-27165
NGUYEN, HUNG LEE
Application of mixing-controlled combustion models to gas turbine combustors
[NASA-TM-103236] 14 p2195 N91-22126
Mechanisms and modeling of the effects of additives on the nitrogen oxides emission
[NASA-TM-103765] 14 p2253 N91-22464
NGUYEN, K.
Non-linear generation of acoustic noise in the IAR spacecraft 11 p1659 N91-19143
NGUYEN, K. T.
Pulse shaping a high-current relativistic electron beam in vacuum
[AD-A230674] 12 p1977 N91-20876
NGUYEN, KHANH
The DIMEX experiment
[AD-A229080] 09 p1406 N91-17738
Applications of higher harmonic control to hingeless rotor systems
[NASA-TM-103846] 17 p2727 N91-25102
NGUYEN, KHANH QUOC
Dynamic analysis of rotor blade undergoing rotor power shutdown
[NASA-TM-102865] 07 p0935 N91-15124
Higher harmonic control analysis for vibration reduction of helicopter rotor systems 07 p0944 N91-15175
NGUYEN, L. CATHY
The NASA aircraft noise prediction program improved propeller analysis system
[NASA-CR-4394] 22 p3750 N91-30903
NGUYEN, N. Q.
Ambient temperature fracture strength of pure alumina
[DE91-007628] 10 p1537 N91-18460
NGUYEN, NHI DIEN
Microprocessor system for temperature regulation and stabilization
[DE90-634244] 02 p0207 N91-11160
NGUYEN, P.
Aeronautical mobile satellite services ESA-PRODAT/SITA AIRCOM service trials programme
24 p3956 N91-32106
NGUYEN, R.
Submicron gate InP power MISFET's with improved output power density at 18 and 20 GHz
18 p2977 N91-26436
NGUYEN, T.
The effect of negative Poisson's ratio on the fracture behavior of composite laminates
[NIAR-90-30] 07 p0972 N91-15336
NGUYEN, T. M.
The impact of NRZ data asymmetry on the performance of a space telemetry system 03 p0355 N91-11984
Regenerative fuel cell architectures for lunar surface power 24 p4037 N91-32560
NGUYEN, T. V.
User's manual for rocket combustor interactive design (ROCCID) and analysis computer program. Volume 1: User's manual
[NASA-CR-187109] 16 p2567 N91-24230
User's manual for rocket combustor interactive design (ROCCID) and analysis computer program. Volume 2: Appendixes A-K
[NASA-CR-187110] 16 p2568 N91-24231
NGUYEN, T. X.
User manual for two simple postscript output FORTRAN plotting routines
[NASA-CR-187590] 22 p3728 N91-30748
NGUYEN, TAI D.
Microstructural and phase stability studies of nanometer period metal/carbon multilayer structures for x ray optics
[DE90-015307] 01 p0022 N91-10129
Microstructure and stability comparison of nanometer period W/C, WC/C, and Ru/C multilayer stru tures
[DE91-005232] 09 p1303 N91-17150
Fresnel fringe effects at interfaces of thin multilayer structures
[DE90-015312] 12 p1985 N91-20923
NGUYEN, THAO K.
A physiologically motivated front end for speech recognition
[AD-A233727] 18 p2973 N91-26414
NGUYEN, TIEN M.
Phase ambiguity resolution for offset QPSK modulation systems
[NASA-CASE-NPO-17853-1-CU]
17 p2767 N91-25318
NGUYEN, V. K.
An assessment of the acoustic noise in the working section of the NAE 6 ft x 9 ft low speed wind tunnel
[NAE-LTR-ST-1744] 21 p3461 N91-29196
NGUYEN, VAN DAT
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679
Principle and realization of the instrument used for the CIRCE experiment on board the Mir station
11 p1760 N91-19684
NI, L. M.
A structured representation for parallel algorithm design on multicomputers
[DE91-006674] 11 p1776 N91-19744
NI, YUJING
Human benchmarking of expert systems
[AD-A233601] 16 p2665 N91-24742
Human benchmarking of expert systems. Literature review
[AD-A233602] 16 p2665 N91-24743
Evaluation of expert systems: A review of the literature
[AD-A234360] 18 p3044 N91-26808
NIAN, H. L.
A simple sagittal focusing crystal which utilizes a bimetallic strip
[DE91-017324] 24 p4111 N91-32975
NIBLER, JOSEPH W.
Rotational and vibrational spectra of molecular clusters
[AD-A232959] 16 p2683 N91-24853
NICHIPORUK, I. A.
The biochemical and physiological variables in motion sickness followed modified neuroendocrine activity
11 p1747 N91-19607
NICHOLAS, D. J.
Design/development issues for high bypass ratio fans
[PNR-90758] 01 p0012 N91-10076
NICHOLAS, GUY
Hardware versus manpower compatibility methodology. Volume 1: Overview and manager's guide
[AD-A225122] 03 p0397 N91-12208
NICHOLAS, O. P.
Handling qualities guidelines for the design of fly-by-wire flight control systems for transport aircraft
15 p2371 N91-23119
NICHOLL, K. P.
Flow around a store-pylon combination in a curved flow field
[BU-514] 14 p2189 N91-22088
NICHOLLS, J.
Providing a computing environment for a high energy physics workshop
[DE91-012049] 18 p3062 N91-26916
NICHOLLS, J. P.
Radiation assessment of the INMOS transputer family
24 p4000 N91-32358
NICHOLLS, M.
Mesoscale modeling of precipitation scavenging by a cold-frontal squall line
[DE91-015534] 21 p3545 N91-29695
NICHOLLS, S.
Preliminary mixed-layer model results for FIRE marine stratocumulus IFO conditions 01 p0084 N91-10495
An overview of UK C130 observations from the FIRE marine stratocumulus IFO 01 p0089 N91-10520
A preliminary analysis of LANDSAT and UK C130 data from Mission 197-A, on 16 July 1987
01 p0092 N91-10535
NICHOLOSON, D. M.
Ordering energy of B2 alloys calculated in the frozen potential and Harris approximations
[DE91-017228] 24 p3978 N91-32220
NICHOLS-BOHLIN, JOY Y.
IUE final archive 09 p1432 N91-17887
A high resolution atlas of Mg II profiles
09 p1437 N91-17916
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep
09 p1439 N91-17934
The archival reprocessing of IUE data. 3: Results of the new processing method for IUE data
09 p1448 N91-17988
NICHOLS, A. L., III
Performance evaluation of insensitive explosives
[DE91-015767] 23 p3821 N91-31315
NICHOLS, C. S.
Impurity-defect complexes in hydrogenated amorphous silicon
[DE91-006765] 10 p1503 N91-18274
NICHOLS, CECIL E., JR.
Laser transit anemometer measurements on a slender cone in the Langley unitary plan wind tunnel
[NASA-TM-102775] 07 p1005 N91-15521
NICHOLS, D.
The NASA Microelectronics Space Radiation Effects Program (MSREP) at the Jet Propulsion Laboratory
24 p3996 N91-32331
NICHOLS, F. A.
Self-lubricating boric acid films for tribological applications
[DE90-007805] 01 p0029 N91-10171
Wear reduction in cutting tools: Tribological properties of hard coatings
[DE90-009705] 02 p0217 N91-11212

The role of soft (metallic) film in tribological behavior of ceramic materials
[DE91-006003] 10 p1505 N91-18283
DOE-OTM tribology program
[DE91-010995] 17 p2784 N91-25405
Boundary lubrication of ceramic materials by soft metallic coating and synthetic oil
[DE91-014017] 20 p3354 N91-28577
Tribological behavior of silver films prepared on ceramic surfaces by ion-beam-assisted deposition
[DE91-017306] 24 p4027 N91-32505

NICHOLS, JEFF
B(+)(S-1) + H2 yeilds BH(+)(sigma-2) + H: A Woodward-Hoffman forbidden ion-molecule reaction
[AD-A235885] 19 p3242 N91-27929
Ab initio quantum chemistry study of formamide-formamidic acid tautomerization
[AD-A235886] 19 p3242 N91-27930

NICHOLS, LESTER D.
Multidisciplinary research overview (IHPTET/NPSS)
12 p1841 N91-20119
Numerical propulsion system simulation: An interdisciplinary approach
[NASA-TM-105181] 21 p3466 N91-29221

NICHOLS, M. C.
Nondestructive imaging of materials microstructure using x ray tomographic microscopy
[DE91-008505] 13 p2099 N91-21554
The application of x ray tomographic microscopy to chemical vapor infiltration processing of ceramic matrix composites
[DE91-011871] 20 p3304 N91-28284

NICHOLS, RONALD L.
Solid rocket propulsion 20 p3293 N91-28206

NICHOLS, T. DAVID
Measurement of the absolute cross section for multiphoton ionization of atomic hydrogen at 248 nm
[DE91-000222] 04 p0581 N91-13237

NICHOLSON, D. M.
The effect of scandium on the phase stability of Al3Nb and Al3Zr
[DE91-002657] 06 p0808 N91-14459
Order and disorder in metallic alloys
[DE91-009120] 15 p2400 N91-23292

NICHOLSON, H.
The application of neural networks for fault diagnosis in nuclear reactors
[RR-411] 11 p1781 N91-19772
Expert systems for fault diagnosis in nuclear reactor control
[RR-412] 11 p1797 N91-19864
Petri nets and fault diagnosis in nuclear reactors
[RR-413] 11 p1798 N91-19865
The use of an object oriented technique for fault diagnosis in nuclear reactors
[RR-414] 11 p1798 N91-19866
Fault detection using optimal control techniques
[RR-419] 11 p1798 N91-19867

NICHOLSON, J. A.
NOx emission constraints on high-temperature processes
[PB91-136424] 16 p2654 N91-24682

NICHOLSON, J. M.
Synthesis of high purity sinterable Si3N4 powders
[DE91-005637] 10 p1502 N91-18268

NICHOLSON, J. Y.
Determination of shuttle orbiter center of gravity from flight measurements
[NASA-TM-102627] 08 p1103 N91-16058

NICHOLSON, JAMES R.
Surface wind convergence as a short-term predictor of cloud-to-ground lightning at Kennedy Space Center: A four-year summary and evaluation
24 p4064 N91-32703

NICHOLSON, MARJORIE ANNE
Effect of polymer electrode morphology on performance of a lithium/polypyrrole battery
17 p2769 N91-25323

NICHOLSON, PHILIP
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182

NICHOLSON, R. A.
AEDC focal plane array test capability
[AD-A230846] 13 p2071 N91-21408

NICIEJEWSKI, RICK J.
Collaborative studies of polar cap ionospheric dynamics
[AD-A229153] 09 p1365 N91-17502

NICINSKI, T.
Design of the Digital Sky Survey DA and online system: A case history in the use of computer aided tools for data acquisition system design
[DE91-016469] 24 p4121 N91-33032

NICKEL, D. L.
Impacts of a nominal nuclear electromagnetic pulse on electric power systems
[DE91-012991] 21 p3497 N91-29401

NICKEL, H.
The influence of small SO2 contents on the corrosion behavior for NiCrAl alloys in temperature zone from 1000 to 1100 C
[JUEL-2362] 08 p1116 N91-16134

NICKLAS, R. C.
A method of determining attitude from magnetometer data only 09 p1291 N91-17094

NICKS, ORAN W.
Experimental verification of a new laminar airfoil: A project for the graduate program in aeronautics
[NASA-CR-188772] 22 p3612 N91-30092

NICOL, DAVID M.
Conservative parallel simulation of priority class queueing networks
[NASA-CR-187438] 01 p0108 N91-10628
A conservative approach to parallelizing the Sharks World simulation
[NASA-CR-187440] 01 p0108 N91-10629
Inflated speedups in parallel simulations via malloc()
[NASA-CR-182104] 02 p0252 N91-11397
Parallelized reliability estimation of reconfigurable computer networks
[NASA-CR-182101] 02 p0257 N91-11430
Rectilinear partitioning of irregular data parallel computations
[NASA-CR-187601] 22 p3728 N91-30750

NICOL, T.
Design and analysis of the 50 mm collider dipole vacuum vessel
[DE91-012490] 20 p3360 N91-28610

NICOL, T. H.
Self-propelled in-tube shuttle and control system for automated measurements of magnetic field alignment
[DE90-008210] 08 p1147 N91-16316

NICOLAIDES, C. A.
Potential energy surfaces and stability of high energy content excited bound clusters
[AD-A224611] 04 p0580 N91-13232

NICOLAIDES, R. A.
Analysis and convergence of the MAC scheme. Part 1: The linear problem
[NASA-CR-187536] 12 p1899 N91-20446

NICOLAIDIS, M.
Basic properties of strongly code disjoint checkers
[RR-824-I] 15 p2418 N91-23393

NICOLET, MARCEL
Aeronomic chemistry of ozone
[AERONOMICA-ACTA-A-355-1990]
05 p0686 N91-13816

NICOLL, ROBERT S.
Late Proterozoic and early Palaeozoic palaeontology and biostratigraphy of the Amadeus Basin
19 p3193 N91-27655
The Palaeozoic palaeogeography of the Amadeus Basin region
19 p3194 N91-27659
Ordovician sediments in the Waterhouse Range Anticline, Amadeus Basin, central Australia: Their interpretation and tectonic implications
19 p3195 N91-27665

NICOPOULOS, V. N.
Complex dynamics of the integer quantum Hall effect
[DE91-013383] 20 p3435 N91-29058

NIE, D.
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
A study of the surface energy balance on slopes in a tallgrass prairie
[NASA-CR-187698] 08 p1176 N91-16473

NIE, JIANYUN
A general logic model for information retrieval systems. Application to the RIME prototype
[ETN-91-99489] 22 p3767 N91-31005

NIEBERDING, WILLIAM C.
Propulsion instrumentation research
12 p1838 N91-20100
Overview of the instrumentation program
16 p2583 N91-24318

NIEDENZU, K.
N-triazolyboranes
[AD-A224893] 03 p0347 N91-11940
Preparation of unsymmetrically B-substituted borazines and characterization of tris(4,6-diethylborazin-2-yl)amine
[AD-A235571] 19 p3123 N91-27254

NIEDERLEHNER, B. R.
Adaptation and resistance of ecosystems to stress
[AD-A234576] 18 p3007 N91-26603

NIEDERSTRASSER, HELMUT
Investigation of the dynamic behavior and the frequency response of the laser gyro GG 1342
[DLR-FB-90-22] 03 p0369 N91-12070

NIEDNER, MALCOLM B.
A tail-wagging event in comet Austin
12 p2005 N91-21038

NIEDRA, J. M.
Comparison of high temperature, high frequency core loss and dynamic B-H loops of two 50 Ni-Fe crystalline alloys and an iron-based amorphous alloy
[NASA-TM-105205] 24 p4008 N91-32412

NIEDRA, JANIS M.
Analog synthesized fast-variable linear load
[NASA-CR-187155] 19 p3156 N91-27446
Makeup and uses of a basic magnet laboratory for characterizing high-temperature permanent magnets
[NASA-TM-104508] 22 p3669 N91-30427

NIEDZWIECKI, RICHARD W.
Turbomachinery and combustor technology for small engines 12 p1840 N91-20113

NIEGEMEERS, IGNAS G.
Simulation of failure prone token rings using fault injection simulation
[MEMO-INF-90-44] 10 p1586 N91-18744

NIEH, C. W.
An experimental study of high Tc superconducting microstrip transmission lines at 35 GHz and the effect of film morphology
[NASA-TM-103633] 03 p0356 N91-11988

NIEH, T. G.
Development of fine-grained, ductile tungsten alloys for armor/anti-armor application
[AD-A231857] 14 p2246 N91-22423

NIEL, M.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040

NIELSEN, DALE E., JR.
Response matrix Monte Carlo for electron transport
[DE91-006248] 09 p1397 N91-17686

NIELSEN, KJELD FLEMMING
Results of the TTF-TCNQ- and the calcium carbonate-crystallization on the Long Duration Exposure Facility 16 p2725 N91-25093

NIELSEN, MOGENS
Expert operator's associate: An expert system for spacecraft control 14 p2217 N91-22253
Expert operator's associate: A knowledge based system for spacecraft control 14 p2315 N91-22786
A procedural expert system for spacecraft command and control 15 p2453 N91-23591

NIELSEN, PAMELA ANN
Signal detection in non-Gaussian and non-white noise
01 p0034 N91-10200

NIELSEN, SUZANNE S.
Environmental modification of yield and food composition of cowpea and leaf lettuce
23 p3902 N91-31777

NIELSON, C. E.
Advanced Launch System propulsion focused technology liquid methane turbopump technical implementation plan
[NASA-CR-183681] 16 p2614 N91-24471

NIEMAN, G. W.
Tensile strength and creep resistance in nanocrystalline Cu, Pd, and Ag
[DE91-006416] 10 p1499 N91-18248
Mechanical behavior of nanocrystalline metals
[DE91-006422] 10 p1501 N91-18260
Mechanical behavior of nanocrystalline Cu, Pd, and Ag samples
[DE91-011747] 18 p2955 N91-26310

NIEMCZYK, M. P.
Efficient photoinduced charge separation and storage in the solid state, rates, energetics, and spin-polarization
[DE91-010727] 18 p3073 N91-26980
Photoinduced charge separation and recombination: The influence of medium on rates and energetics
[DE91-010267] 19 p3240 N91-27920

NIEMCZYK, T. M.
Quantitative infrared determination of composition and properties of Borophosphosilicate Glass (BPSG) thin films using multivariate calibration
[DE90-017030] 09 p1319 N91-17243

NIEMEGEERS, I. G.
CISLAN architecture: First cycle
[MEMO-INF-90-19] 03 p0398 N91-12211
CISLAN architecture second cycle
[MEMO-INF-90-67] 14 p2302 N91-22718
A high-speed slotted ring access mechanism with dynamically adaptive slot sizes
[MEMO-INF-91-21] 22 p3666 N91-30409

NIEMEGEERS, IGNAS G.
A high-speed slotted ring access mechanism with dynamically adaptive slot sizes
[MEMO-INF-90-36] 10 p1577 N91-18677
Using dynamic queueing networks for performability modelling
[MEMO-INF-90-25] 10 p1588 N91-18754

Fault infection simulation: A variance reduction technique for systems with rare events
[MEMO-INF-91-05] 22 p3735 N91-30798

NIEMER, K. A.
Theoretical analysis of a runaway electron suppression device
[DE90-015992] 01 p0125 N91-10737
Modeling of runaway electron damage for the design of tokamak plasma facing components
[DE90-008237] 09 p1399 N91-17704

NIEMI, ERKKI
Evolution of fatigue crack in welds
07 p1016 N91-15578
On stress concentrations in welded components
07 p1017 N91-15583

NIEMZ, KLAUS
The use of remote sensing data for a statistical ground application information system (STABIS, German acronym) 04 p0542 N91-13003

NIERZWICKI-BAUER, S. A.
Phylogenetic relationships among subsurface microorganisms
[DE91-009838] 19 p3206 N91-27723

NIESL, GEORGE
Noise level reduction inside helicopter cabins
[MBB-UD-0578-90-PUB] 11 p1791 N91-19828

NIESWAAG, H.
Sulphur diffusion in liquid cast iron (TEXUS 6) ESA
23 p3832 N91-31370

NIETEN, JOSEPH L.
Rule-based simulation models
12 p1944 N91-20694

NIETO, M. M.
Supercoherent states and physical systems
[DE91-014598] 21 p3602 N91-30040

NIETUBICZ, CHARLES J.
Three dimensional flow calculations for a projectile with standard and dome bases 06 p0774 N91-14294

NIEUSMA, J. M.
Modeling the environment of a mobile security robot
[AD-A233074] 16 p2676 N91-24809

NIEUWENHUIS, L. M. J.
Fault tolerant computing with transputers and OCCAM
[MEMO-INF-90-59] 10 p1571 N91-18641
Static allocation of process replicas in fault tolerant computing systems
[MEMO-INF-90-58] 10 p1578 N91-18683

NIEUWENHUIZEN, M. P.
The influence of material properties on design validity and margins 03 p0333 N91-11868
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169

NIEUWPOORT, A. M. H.
Phase 2 flight simulator mathematical model and data-package, based on flight test and simulation techniques 03 p0315 N91-11763

NIEUWPOORT, ANTON M. H.
Evaluation techniques for highly augmented aircraft
[DLR-FB-90-35] 15 p2383 N91-23191

NIGHAN, W. L.
Tunable blue-green LIDAR transmitter demonstration: Injection laser technology
[AD-A228425] 09 p1340 N91-17362

NIGON, RICHARD T.
Dual demodulating circuit tracer
[AD-D014941] 22 p3668 N91-30423

NII, H. P.
Expert systems on multiprocessor architectures. Volume 1: Summary
[AD-A238046] 21 p3560 N91-29786
Expert systems on multiprocessor architectures. Volume 2: Technical reports
[AD-A238047] 21 p3560 N91-29787
Expert systems on multiprocessor architectures, volume 3
[AD-A238048] 21 p3560 N91-29788
Expert systems on multiprocessor architectures, volume 4
[AD-A238049] 21 p3560 N91-29789

NII, K.
Solidification of an Al-Pb-Bi alloy under microgravity (TEXUS 13) 23 p3843 N91-31427

NIINO, M.
Functionally Gradient Materials (FGM) architecture: A new type of ceramic-metal assemblage designed for hot structural components 03 p0328 N91-11826
Standardization program for fracture evaluation of Functionally Gradient Material (FGM) of very high temperature application 03 p0333 N91-11862
Evaluation of thermomechanical properties of functionally gradient material under high temperature difference 03 p0333 N91-11863

NIINO, MASAYUKI
Fabrication of the Functionally Gradient Materials (FGM): The state of the art 03 p0328 N91-11827

NIIYA, CRAIG K.
An application of the A* search to trajectory optimization
[AD-A224677] 03 p0318 N91-11778

NIJHOLT, ANTON
Meta-parsing in neural networks
[MEMO-INF-90-08-REV] 03 p0405 N91-12258
The CYK-approach to serial and parallel parsing
[PB91-185447] 21 p3561 N91-29792

NIJMEIJER, H.
Principles of optimal control theory
[MEMO-908] 14 p2318 N91-22801
Dynamic disturbance decoupling for discrete-time nonlinear systems
[MEMO-913] 23 p3912 N91-31843

NIJMEIJER, HENK
Factorization of nonlinear systems
[MEMO-867] 04 p0577 N91-13214

NIKI, SHIGERU
Research on materials and components for opto-electronics signal processing and computing
[AD-A230071] 12 p1980 N91-20895

NIKISHIN, A. M.
Preliminary analysis of Venusian tectonics and evolution 12 p1848 N91-20158

NIKITIN, I. S.
Psychophysiological characteristics of sensorimotor activity of operators after short-term simulated weightlessness 19 p3207 N91-27727

NIKITIN, P. I.
Thermoelectric phenomena in metals under large temperature gradients
[AD-A229548] 22 p3666 N91-30412

NIKITIN, YE. I.
Biochemical aspects of human adaptation to combined effect of antiorthostasis, decreased barometric pressure, and increased oxygen content 18 p3024 N91-26694

NIKKEL, D. J., JR.
Numerical simulations of the indentation of glass with implications to ductile grinding
[DE91-011512] 18 p2967 N91-26381

NIKNAFS, H. S.
Cost-effective accurate coarse-grid method for highly convective multidimensional unsteady flows
13 p2014 N91-21075

NIKOLAEV, A. S.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856

NIKOLAEV, R. K.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945

NIKOLAIDIS, E.
Uncertainties in stress analysis on marine structures
[PB91-193441] 24 p4031 N91-32522

NIKOLAIZIG, N.
High accuracy photogrammetric system for the large space simulator at ESTEC 07 p0958 N91-15270

NIKOLASHIN, G. F.
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705

NIKOLAYENKO, G.
Semenov discusses benefits from Mir Program, shuttle versus ELVs, conversion 12 p1850 N91-20168

NIKOLAYEVA, T. G.
Stress and human circulation
10 p1562 N91-18592

NIKOLAYEVSKIY, YE. YE.
Circadian patterns in plasma lipids, carbohydrates, and some hormones of healthy pilots
10 p1562 N91-18589

NIKOLITSCH, D.
Systematic investigations of body-wing-tail interference at high angles of attack 06 p0774 N91-14290

NIKOLSKY, G. A.
On the variability of the solar integral radiation constituents 03 p0445 N91-12489
Some results from studies on relationships between the optical-meteorological parameters and solar activity. Part 2: Development of the problem of solar forcing
03 p0448 N91-12504

NIKONOV, EH. G.
Asymptotic estimates of approximation errors by the Galerkin method for one class of quasipotential equations
[DE90-631600] 02 p0263 N91-11471

NIKOSKINEN, KEIJO I.
Analytical and numerical methods in electromagnetic diffraction problems
[REPT-76] 14 p2257 N91-22486

NIKRAVESH, P. E.
Quantitative simulation of extraterrestrial engineering devices 16 p2597 N91-24388
Quantitative computer simulations of extraterrestrial processing operations 17 p2750 N91-25215
Quantitative computer representation of propellant processing 17 p2752 N91-25231

NIKRAVESH, PARVIZ E.
A generalized contact/impact analysis of mechanical systems
[NIAR-90-27] 07 p1012 N91-15559
Local plasticity effect in impact analysis of solids
[NIAR-90-29] 07 p1020 N91-15601

NIKULA, SIMO
FEM analysis of the centralizing stress caused by a casing shell 07 p1017 N91-15584

NIKZAD, S.
Sputtering of molecules from ZnS, CdS, and FeS2
[DE91-010279] 17 p2870 N91-25878

NILER, A.
Explosive consolidation of combustion synthesized TiB2 and TiC: Microstructural properties
[AD-A226390] 04 p0504 N91-12800

NILLES, E.
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827

NILSON, D. G.
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771

NILSSON, ANN-CHARLOTTE
Measurements of air quality and meteorological conditions in seven communities in northern Sweden
[FOA-C-40281-4.5] 14 p2290 N91-22665

NILSSON, BENGT J.
Finding shortest paths in the presence of orthogonal obstacles using a combined L sub 1 and link metric
[RUU-CS-90-20] 06 p0864 N91-14777

NIMMO, H.
Organisational aspects of assembly, integration and verification for Columbus 07 p0950 N91-15217

NINANE, N.
IAL SPACE: A test laboratory for the ISO cryogenic payload 11 p1659 N91-19142

NINOKATA, H.
AFDM: An Advanced Fluid-Dynamics Model. Volume 1: Scope, approach, and summary
[DE90-016723] 01 p0041 N91-10239

NIR, DAVID
Heuristics for a flow-shop model with parallel machines and setup times
[ITN-91-85117] 18 p3075 N91-26996

NIR, MOIRA M.
Compatibilization of blends of crystallizable polybutadiene isomers by precipitation and by addition of amorphous diblock copolymer
[AD-A232071] 16 p2605 N91-24432

NIRENBURG, SERGEI
Northeast Artificial Intelligence Consortium (NAIC). Volume 9: A planner system for the application of indications and warning
[AD-A234888] 18 p3047 N91-26823

NIRMALA, G. A.
Script: General purpose graphics program; user's manual
[PD-ST-9027] 01 p0108 N91-10625

NISATI, ALEANDRO
Top search in isolated single muon-jet events with the UA1 experiment
[NOTA-INTERNA-946] 12 p1977 N91-20878
Performances of an emulator farm for the data processing of high energy physics experiments
[ETN-91-98880] 12 p1979 N91-20889

NISHI, NAOKI
Parallelization techniques for a supercomputer with hierarchical memory architecture
13 p2067 N91-21386

NISHIDA, HIROZOU
Frequency standard unit 01 p0059 N91-10349

NISHIGORI, N.
A new ground data system for Akebono (EXOS-D) satellite 14 p2209 N91-22200

NISHIGUCHI, A.
Hydrodynamic instabilities in laser driven implosion
20 p3409 N91-28897

NISHIHARA, KATSUNOBU
Nonlinear evolution of 2D and 3D Rayleigh-Taylor instability at stagnation phase in laser implosion
20 p3409 N91-28899

NISHIJIMA, SATOSHI
Research and development of materials databases in Japan 10 p1613 N91-18900

NISHIKAWA, MASARU
High pressure effects on the properties and reactions of excess electrons in hydrocarbons
[DE91-000578] 04 p0581 N91-13239

NISHIKAWA, N.
Some topics of Navier-Stokes solvers
08 p1139 N91-16269
NISHIMURA, L. S.
Migration and generation of contaminants from launch through recovery: LDEF case history
16 p2706 N91-24977
LDEF contaminants analysis data
16 p2707 N91-24978
NISHIMURA, M.
Effective cleaning of oil-protected bearing steel examined by XPS analysis. Part 1: Cleaning by solvents and alkaline cleaners
[NAL-TR-1074] 13 p2096 N91-21538
NISHIMURA, MAKOTO
Detection of solid lubricant film failure during sliding by vibration monitoring
[NAL-TR-1060] 08 p1159 N91-16384
Development of solid-lubricated ball-screws for use in space 16 p2641 N91-24617
NISHIMURA, T.
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope
13 p2174 N91-22004
Vapour growth of an InP crystal (TEXUS 20)
23 p3836 N91-31394
NISHIWAKI, HIDEO
The reduction of cavity noise at subsonic speeds
[NAL-TR-1081] 17 p2860 N91-25815
NISHRI, BOAZ
The delay of turbulent boundary layer separation by oscillatory active control
[ITN-91-85104] 18 p2985 N91-26482
NISINI, B.
Design of a He4 cooling system for a cryostat working at 1K
[IFSI-89-17] 06 p0815 N91-14502
NISKA, HARVEY
Magnetic domain strain sensor program
[AD-A227225] 08 p1149 N91-16327
NISOLI, L.
Identification of model structure via qualitative simulation
[REPT-90-040] 16 p2667 N91-24755
NISSEN, ANNE B.
A model summer program for handicapped college students 19 p3272 N91-28098
NISSIM, ELI
Design of control laws for flutter suppression based on the aerodynamic energy concept and comparisons with other design methods
[NASA-TP-3056] 01 p0056 N91-10328
NISSLEY, D. M.
Notched fatigue of single crystal PWA 1480 at turbine attachment temperatures 16 p2582 N91-24310
NITHACK, J.
Multiparametric radar data for land applications
07 p0992 N91-15441
NITSCHE, K.
Phase transition (TEXUS 8) 23 p3832 N91-31374
NITSCHE, R.
Growth of a Si crystal covered with a SiO2 skin (TEXUS 12) 23 p3835 N91-31385
NITSCHKE, DIETER
Crashworthiness investigations in the preliminary design phase of the NH90
[MBB-UD-0579-90-PUB] 11 p1648 N91-19088
NITSCHKE, F.
Structural bonding on aluminium: Interface morphology and chemistry
[MBB-Z-0321-90-PUB] 22 p3652 N91-30322
NITSCHKE, J. M.
Production of high intensity radioactive beams
[DE90-011340] 08 p1222 N91-16735
NITTA, KYOKO
Finite difference numerical prediction of aerodynamics for airfoil flying over wavy wall 24 p3944 N91-32043
NITZAN, REBECCA
OSI in the NASA science internet: An analysis
[NASA-CR-177561] 02 p0256 N91-11425
NIU, C. M.
Nucleation and growth of diamond on Si, Cu and Au substrates
[AD-A231044] 13 p2161 N91-21918
Preparation and characterization of Iron(III) oxide films by an novel spray pyrolysis method
[AD-A231047] 13 p2161 N91-21920
NIU, KEISHIRO
Power plant by LIB fusion 11 p1802 N91-19892
Control of gap closure in applied-B diode
11 p1802 N91-19893
NIU, QIAN
Quantum coherence of a narrow band interacting with phonons and static disorder
[AD-A224658] 03 p0416 N91-12324
NIVENS, D. E.
Non-destructive on-line monitoring of MIC (microbially influenced corrosion)
[DE90-017770] 10 p1499 N91-18251
Non-destructive monitoring of microbial biofilms at solid-liquid interfaces using on-line devices
[DE91-010777] 17 p2817 N91-25567
NIWA, NOBUO
The role of computational fluid dynamics in aeronautical engineering (8): A mixed compression inlet for a supersonic airplane 24 p3945 N91-32048
NIX, J. R.
Spacetime nonlocality and retardation in relativistic heavy-ion collisions
[DE91-011392] 17 p2861 N91-25824
NIX, J. RAYFORD
Nuclear structure calculations for astrophysical applications
[DE90-016433] 01 p0139 N91-10818
NIX, WILLIAM D.
Mechanisms of high temperature crack growth in metals and alloys
[DE90-014934] 01 p0025 N91-10152
High temperature deformation processes and strengthening mechanisms in intermetallic particulate composites
[AD-A232737] 15 p2396 N91-23267
Fundamental studies of the mechanical behavior of microelectronic thin film materials
[AD-A232935] 16 p2647 N91-24653
NIXON, CHARLES W.
Intelligibility of digital speech masked by noise: Normal hearing and hearing impaired listeners
[AD-A234852] 18 p2975 N91-26427
NIXON, D.
Prediction of unsteady transonic separated flow for missile applications
[AD-A231259] 13 p2021 N91-21120
The effects of compressibility on a supersonic mixing layer
[AD-A234992] 18 p2922 N91-26119
NJOTO, SUKRISNO
The effects of global climate change on Southeast Asia: A survey of likely impacts and problems of adaptation
14 p2282 N91-22621
NOAKES, M. W.
An application of oscillation damped motion for suspended payloads to the advanced integrated maintenance system
[DE91-002658] 05 p0708 N91-13946
NOBACK, ROEL
Matching of PSD-design loads
18 p2929 N91-26157
NOBILE, A., JR.
Effects of radiolytic tritium decay on the thermodynamic behavior of LaNi(4.25)Al(0.75) tritides
[DE91-007961] 11 p1684 N91-19277
NOBLE, J.
Application of high speed photography to the study of high strain rate materials testing
[OUEL-1852/90] 11 p1709 N91-19411
NOBLE, JOHN M.
A noise assessment and prediction system
08 p1217 N91-16702
Effects of large-scale wind driven turbulence on sound propagation 08 p1218 N91-16704
NOBLE, JOHN MICHAEL
Sound field fluctuations due to large scale wind-driven turbulence 02 p0266 N91-11492
NOBLE, S. T.
The generation of ULF waves in the ionosphere
10 p1554 N91-18548
NOBRE, M. A. S.
Inhomogeneous two-fluid cosmologies with electromagnetic field
[DE90-634868] 03 p0425 N91-12383
NOBUHARA, S.
Reduction of low energy components in pulse ion beam 11 p1801 N91-19889
Generation and focusing of carbon ion beam by the inverse pinch ion diode 11 p1801 N91-19890
Characteristics of ion beam generated with the 'point pinch diode' 19 p3249 N91-27969
NOCK, L. A.
Synthesis of energetic single phase and multi-phase polymers
[AD-A235104] 18 p2964 N91-26363
NOEBE, R. D.
Prospects for ductility and toughness enhancement of NiAl by ductile phase reinforcement
[NASA-TM-103796] 19 p3135 N91-27324
NOECKER, E. G. J. M. H.
The ABC-machine: A sequential stack-based abstract machine for graph rewriting
[TR-90-22] 23 p3909 N91-31824
NOEL, B. W.
Fiber-sensor design for turbine engines
[DE91-010787] 17 p2736 N91-25150
Abstracts of papers presented at the First Los Alamos Symposium on Ultra-Wideband Radar
[DE91-015976] 23 p3855 N91-31491
NOEL, S. D.
Comparison of noise reduction systems
[DE91-015318] 23 p3925 N91-31929
NOEL, SUSAN D.
Infrasonic observations of large-scale HE events
08 p1216 N91-16694
NOEVER, DAVID A.
The rotating spectrometer: New biotechnology for cell separations
[NASA-TM-103522] 07 p1034 N91-15673
A biosensor for cadmium based on bioconvective patterns
[NASA-TM-103523] 07 p1034 N91-15674
NOFFSINGER, KENT E.
An integrated mission approach to the space exploration initiative will ensure success
[DE91-006721] 10 p1484 N91-18177
NOFFZ, GREGORY K.
Multiaxis thrust vectoring using axisymmetric nozzles and postexit vanes on an F/A-18 configuration vehicle
[NASA-TM-101741] 14 p2188 N91-22083
NOGA, JOZEF
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3
[NASA-TM-103391] 08 p1221 N91-16728
NOGAMI, J.
Scanning tunneling microscopy of semiconductor surfaces
[AD-A230064] 12 p1986 N91-20931
NOGAR, N. S.
Effects of processing parameters on the laser deposition of high temperature superconducting thin films
[DE91-005937] 09 p1343 N91-17374
Diagnostic studies of YBa2Cu3O(7-delta) laser ablation
[DE91-011382] 18 p2991 N91-26515
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
NOGUCHI, MASAFUMI
Numerical simulations of interacting disk galaxies
08 p1263 N91-16955
Wing galaxies: A formation mechanism of the clumpy irregular galaxy Markarian 297 08 p1265 N91-16963
NOGUCHI, MASAYOSHI
An experimental study of a three-dimensional swept-back wing with suction laminar-flow-control
[NAL-TR-1072] 13 p2020 N91-21113
NOGUCHI, TATSURU
Fundamental verification of tailoring technology for control of a coefficient of thermal expansion by composite testing facilities
[NAL-TR-1058] 08 p1105 N91-16069
NOGUCHI, Y.
Computation of viscous supersonic flows
06 p0772 N91-14283
NOGUCHI, YOSHIO
Axial compression buckling test on CFRP surface plate/aluminum honeycomb sandwiched curved surface plate
[NAL-TM-584] 01 p0050 N91-10299
NOGUEIRALORENA, LUIZ ANTONIO
The 0-1 multiknapsack problem: Monotone surrogate and Lagrangean algorithms
[INPE-5036-PRE/1571] 03 p0399 N91-12214
NOHARA, TOSHIO
Application of brittle lacquer techniques to the strength test of CFRP spar/rib element
[NAL-TR-1089] 17 p2761 N91-25287
NOHARA, TOSIO
A system design and demonstrative field test of wind turbine with a 14 m diameter rotor
[NAL-TR-1056] 01 p0065 N91-10389
NOHEL, JOHN A.
Interdisciplinary research on viscoelasticity and rheology
[AD-A232700] 15 p2429 N91-23454
NOHLMANS, RON
Gravity measurement, processing and evaluation: Test cases de Peel and South Limburg
[ETN-90-98142] 03 p0391 N91-12177
NOID, D. W.
Defect generation and motion in polyethylene-like crystals, analyzed by simulation with supercomputers
[DE91-004770] 10 p1502 N91-18265
NOLAN, M. C.
CCD photometry of 2060 Chiron, 1991 January
17 p2892 N91-25987

NOLAN, P. E.
Compression of Martian atmosphere for production of oxygen 16 p2595 N91-24377
NOLAN, T. A.
Concepts for future developments in electron microscopy
[DE90-010630] 08 p1148 N91-16320
NOLL, T. E.
NASP aeroservothermoelasticity studies
[NASA-TM-104058] 19 p3100 N91-27127
NOLT, I. G.
Tunable far infrared studies of molecular parameters in support of stratospheric measurements
[NASA-CR-188774] 23 p3893 N91-31723
NOMURA, HIROYOSHI
Learning control of inverted pendulum system by neural network driven fuzzy reasoning: The learning function of NN-driven fuzzy reasoning under changes of reasoning environment 13 p2141 N91-21785
NOMURA, Y.
Stabilities of regular motion in the relativistic standard map
[NIFS-73] 13 p2157 N91-21894
Regular motion and symmetry in the relativistic standard map 20 p3414 N91-28933
Nonlinear dynamics of the relativistic standard map
[DE91-014368] 20 p3421 N91-28972
NONAKA, OSAMU
A system design and demonstrative field test of wind turbine with a 14 m diameter rotor
[NAL-TR-1056] 01 p0065 N91-10389
Wind tunnel test of a propeller working in a low Reynolds number range
[NAL-TR-1071] 13 p2020 N91-21112
An experimental study of a three-dimensional swept-back wing with suction laminar-flow-control
[NAL-TR-1072] 13 p2020 N91-21113
An investigation of a two-dimensional hybrid laminar flow control airfoil at high subsonic flow. Part 1: Aerodynamic characteristic of a basic airfoil NLAM78
[NAL-TR-1076] 17 p2730 N91-25116
NOOK, MARK ALLEN
The envelopes of RV Tauri variables 15 p2528 N91-24008
NOON, J.
Space platform power system hardware testbed
[NASA-CR-185839] 18 p2938 N91-26204
NOOR, AHMED K.
Research in Structures, Structural Dynamics and Materials, 1990
[NASA-CP-3064] 01 p0050 N91-10301
Free vibrations of thin-walled semicircular graphite-epoxy composite frames
[NASA-TP-3010] 05 p0674 N91-13750
Nonlinear finite element dynamics on multiprocessor computers
[AD-A227409] 06 p0862 N91-14761
Effective computational strategy for predicting the response of complex systems
[AD-A231153] 13 p2077 N91-21441
Computational methods for frictionless contact with application to Space Shuttle Orbiter nose-gear tires
[NASA-TP-3073] 14 p2274 N91-22576
NOORDAM, J. E.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
NOOREBAD, SAMADOLLAH
Theoretical and numerical aspects of wave stability in combustion models
[ECL-89-21] 02 p0194 N91-11088
NOPPER, BERNHARD
High performance thiophilic adsorption for antibody purification 14 p2294 N91-22687
NOQUES, JEAN-LUC
Transpiration cooled ultraviolet sol-gel silica optics
[AD-A235426] 18 p3065 N91-26934
NORAZ, SERGE
Application of self-testing integrated circuits to the safety of systems operation
[ETN-90-97828] 02 p0206 N91-11150
NORBERG, R. E.
Novel measurements of nuclear spin cross-relaxation in metal hydrides
[DE90-018042] 02 p0268 N91-11503
Structure of amorphous-silicon and germanium alloy films
[DE90-000355] 02 p0277 N91-11557
Structure of amorphous silicon and germanium alloy films
[DE91-002191] 22 p3760 N91-30959
NORBURY, JOHN W.
Corrections to the participant-spectator model of high-energy alpha-particle fragmentation
[NASA-TM-4262] 13 p2152 N91-21860
NORCROSS, D. W.
Atomic and molecular collision processes
[DE91-017649] 24 p4098 N91-32897
NORDEMANN, DANIEL JEAN ROGER
Nuclear radiation detectors
[INPE-5090-MD/44] 13 p2150 N91-21847
NORDH, LENNARI
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations 13 p2181 N91-22050
NORDINE, PAUL
Very high temperature chemistry: Science justification for containerless experimentation in space 13 p2059 N91-21334
NORDINE, PAUL C.
NCTM of liquids at high temperatures using polarization techniques 13 p2061 N91-21345
Optical property measurements as a diagnostic tool for control of materials processing in space and on Earth 13 p2064 N91-21366
Containerless processing of amorphous ceramics 13 p2064 N91-21367
NORDLUND, A.
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
NORDMAN, J. E.
A Josephson junction to FET high speed line driver made of TlCaBaCuO
[DE90-017542] 04 p0590 N91-13295
NORDTVEDT, KENNETH
The gravitomagnetic interaction and its relationship to other relativistic gravitational effects
[NASA-CR-187736] 13 p2116 N91-21649
NOREAU, LOUIS
A multi-frequency study of the peculiar interacting system Arp 206 08 p1247 N91-16870
NOREM, J.
High power, high frequency lasertron RF sources
[DE91-006007] 11 p1709 N91-19414
High Energy Physics Division semiannual report of research activities, July 1, 1990--December 31, 1990
[DE91-012339] 20 p3404 N91-28868
Development of laser optics for the AWA photocathode
[DE91-015552] 21 p3525 N91-29581
NOREM, NATHAN
Thermophysical property measurements in electromagnetic levitators 13 p2061 N91-21344
NORFLEET, WILLIAM T.
Precision metering of microliter volumes of biological fluids in micro-gravity 24 p4080 N91-32792
NORGAARD-NIELSEN, H. U.
A spiral-like disk of ionized gas in IC 1459: Signature of a merging collision 08 p1251 N91-16889
NORIEGA-CRESPO, A.
Star formation in proto dwarf galaxies 05 p0757 N91-14212
The ultraviolet spectrum of HH 24A and its relation to optical spectra
[NASA-CR-188649] 19 p3264 N91-28051
NORIEGA, CARLOS I.
Satellite maneuver evaluation tool
[AD-A232016] 15 p2389 N91-23226
NORMAN, BRET L.
Survival of epiphytic bacteria from seed stored on the Long Duration Exposure Facility (LDEF) 16 p2726 N91-25098
NORMAN, COLIN A.
Paired and interacting galaxies: Conference summary 08 p1265 N91-16964
NORMAN, D.
On the disappearance of O I in some high-luminosity cool stars 09 p1436 N91-17911
NORMAN, MICHAEL L.
Magnetic collimation of protostellar winds into bipolar outflows 05 p0751 N91-14182
NORMAN, SUSAN D.
Summary of the industry/NASA/FAA workshop on philosophy of automation: Promises and realities 02 p0162 N91-10942
NORMAND, X.
Direct and large-eddy simulations of transition in the compressible boundary layer 23 p3867 N91-31566
NORONHA, WILBERT PAUL
Accuracy, convergence and stability of finite element algorithms for incompressible fluid flow 02 p0212 N91-11184
NORQUIST, P. D.
Effectiveness of bomber deployed autonomous airborne vehicles in finding rail mobile SS-24s
[DE91-009008] 13 p2145 N91-21815
NORRBAECK, MIKAEL
An introduction to financial and economic analysis: Power projects in industrializing and non-industrialized countries
[DE91-752995] 13 p2170 N91-21976
NORRIS, E. B.
Performance of underwater weldments
[PB91-129254] 11 p1717 N91-19452
NORRIS, EUGENE
Preliminary results of investigations into the use of artificial neural networks for discriminating gas chromatograph mass spectra of remote samples 14 p2316 N91-22793
NORRIS, J.
The structure and function of membrane protein photosynthetic reaction center
[DE90-017795] 02 p0243 N91-11353
NORRIS, JAMES R.
Strategies for mimicking the primary events of bacterial photosynthesis: Structure, function, and mechanism
[DE91-004449] 07 p1033 N91-15667
An extended model for electron spin polarization in photosynthetic bacteria
[DE91-006091] 10 p1558 N91-18569
NORRIS, R. P.
Are extremely luminous far-infrared galaxies the result of merging quasar cores 08 p1255 N91-16912
NORRIS, ROBERT JEFFREY
Analysis of multivariable control systems in the presence of structured uncertainties
[AD-A227976] 08 p1211 N91-16665
NORSK, PETER
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans 11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
Fluid shifts and regulation of plasma volume in humans during 12 hours of head-out water immersion 11 p1746 N91-19602
Influence on natriuresis of prolonged (12 h) water immersion on central hemodynamics and endocrine elements in humans 11 p1748 N91-19612
NORTH, GERALD R.
Climate fluctuations and climate sensitivity 03 p0445 N91-12485
Analysis of energy balance models using the ERBE data set
[NASA-CR-188002] 12 p1926 N91-20596
NORTH, KEITH HERMAN
Precipitation rate computations in the tropics by the global heat budget technique from June 1, 1984 - May 31, 1987
[AD-A227729] 07 p1031 N91-15656
NORTH, RICHARD C.
The design of a real-time adaptive filter development system
[AD-A237134] 21 p3504 N91-29448
NORTHAM, G. B.
Effects of H2O, CO2, and N2 air contaminants on critical airside strain rates for extinction of hydrogen-air counterflow diffusion flames 09 p1298 N91-17126
Evaluation of on-board hydrogen storage methods for hypersonic vehicles 19 p3273 N91-28108
NORTHAM, G. BURTON
Application of CFD codes for the simulation of scramjet combustor flowfields 02 p0150 N91-10873
NORTHCLIFFE, L. C.
Study of neutron-proton interaction in the 300 to 700 MeV energy region
[DE91-016487] 24 p4096 N91-32887
NORTHCUTT, J. D.
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 1
[AD-A232289] 15 p2414 N91-23369
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 2
[AD-A232290] 15 p2414 N91-23370
Decentralized computing technology for fault-tolerant, survivable C3I systems. Volume 3: System/subsystem specification
[AD-A232291] 15 p2414 N91-23371
NORTHCUTT, J. DUANE
Decentralized real-time scheduling
[AD-A227856] 08 p1201 N91-16604
NORTHEY, M. D.
Use of personal computers in performing a linear modal analysis of a large finite-element model
[DE91-010112] 15 p2445 N91-23541
NORTON, D. P.
Kosterlitz-Thouless-like behavior over extended ranges of temperature and layer thickness in crystalline YBa2Cu3O(7-x) / PrBa2Cu3O(7-x) superlattices
[DE91-013237] 20 p3428 N91-29014

Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015632] 23 p3931 N91-31969
NORTON, DAVID J.
Space and biotechnology: An industry profile
[NASA-CR-187034] 04 p0550 N91-13051
NORTON, DAVID P.
Growth and transport properties of Y-Ba-Cu-O/Pr-Ba-Cu-O superlattices
[DE91-000721] 07 p1070 N91-15889
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788
NORTON, JOHN D.
Voltammetric measurement of bimolecular electron-transfer rates in low ionic strength solutions
[AD-A229913] 12 p1865 N91-20245
Voltammetric measurement of biomolecular electron-transfer rates in low ionic strength solutions
[AD-A229918] 12 p1865 N91-20246
NORTON, K.
Ceramic fiber coating development and demonstration
[AD-A234773] 18 p2964 N91-26358
NORTON, KENNETH R.
A correlation and forecasting analysis on lost satellites
[AD-A230585] 12 p1855 N91-20195
NORTON, O. P.
Numerical flow simulation in the slagging stage of an MHD coal combustor
[DE91-009352] 22 p3757 N91-30946
NORTON, PAUL R.
HgCdTe for NASA EOS missions and detector uniformity benchmarks 06 p0793 N91-14385
NORTON, ROBERT L.
Experiences in porting NASTRAN (R) to non-traditional platforms 12 p1911 N91-20509
NORTON, WILLIAM E.
Rotationally actuated prosthetic helping hand
[NASA-CASE-MFS-28426-1] 24 p4080 N91-32795
NORVILLE, KENT WESTON
A study of the ice-hail charge separation mechanism using a thunderstorm electrification model with explicit microphysics in a kinematic framework
05 p0689 N91-13835
NORWOOD, D. S.
An analysis of interlaminar stresses in unsymmetrically laminated plates
[NASA-CR-187657] 06 p0802 N91-14424
NORWOOD, DONALD SCOTT
An analysis of interlaminar stresses in unsymmetrically laminated plates 20 p3306 N91-28299
NORWOOD, K.
Photoion-photoelectron coincidence studies clusters and transient molecules
[DE91-006695] 12 p1978 N91-20884
NOSE, H.
Research on aerodynamic control of blade tip clearance flow in air-cooled turbine
[DE91-764223] 15 p2381 N91-23182
NOSE, HIROYUKI
Effects of coolant injection on turbine aerodynamic characteristics. Part 1: Test turbine and apparatus
[NAL-TM-585-PT-1] 01 p0010 N91-10059
NOSEWORTHY, G.
Analysis of GPS timing data in support of Omega system synchronization: A cesium stability study
[AD-A225507] 04 p0475 N91-12652
NOSKOV, V.
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station)
11 p1761 N91-19689
NOSKOV, V. B.
Hormonal regulators of calcium metabolism following space flights of various durations
18 p3023 N91-26689
Orthostatic stability of dehydrated healthy men
19 p3210 N91-27746
NOSS, R. F.
Biodiversity and human impacts
[PB90-263963] 09 p1370 N91-17530
NOSSAL, S.
Fabry-Perot observations of comet Austin
12 p2003 N91-21021
NOTENBOOM, RONALD P.
Finite strip elements in thin plate buckling analysis
[LR-642] 11 p1724 N91-19493
NOTIS, M. R.
High resolution microstructural and microchemical analysis of zirconia eutectic interfaces
[DE91-008032] 11 p1810 N91-19940
Quantitative analysis of oxygen segregation on inversion domain boundaries in aluminum nitride
[DE91-010869] 21 p3590 N91-29971
NOTTORF, ERIC WALTER
An investigation into the effects of damage on the stresses in a composite laminate
23 p3805 N91-31226
NOUFI, R.
Polycrystalline thin film photovoltaic technology
[DE91-002136] 20 p3367 N91-28650
NOUR-OMID, SHAHRAM
The computational structural mechanics testbed structural-element processor ES6: STAGS beam element
[NASA-CR-4359] 14 p2278 N91-22597
NOURI, JOSEPH A.
Boundary layer simulator improvement
[NASA-CR-183660] 16 p2563 N91-24212
NOUSE, HIROYUKI
Experimental investigation on the effect of coolant injection on turbine aerodynamic characteristics. Part 2: Effects of injection from rotor casing with 30 deg slanted holes
[NAL-TM-587-PT-2] 01 p0010 N91-10060
NOUSEK, JOHN A.
C-statistic fitting routines: User's manual and reference guide
[NASA-CR-187992] 11 p1775 N91-19736
NOVAES, RENE ANTONIO
A practical example of forest mapping and timber volume estimation using LANDSAT-5 TM imagery
[INPE-5244-PRE/1675] 21 p3534 N91-29635
NOVAK, GORDON S., JR.
Artificial intelligence project
[AD-A230793] 12 p1967 N91-20827
NOVAK, J.
Failure criterion of thin-walled tubes subjected to proportional and non-proportional loading
[DE90-638387] 09 p1350 N91-17414
Regional oxidant model user's guide. Part 1: The ROM preprocessors
[PB91-171926] 20 p3369 N91-28665
Regional oxidant model user's guide. Part 2: The ROM processor network
[PB91-171934] 20 p3369 N91-28666
NOVAK, J. H.
Estimating lightning-generated NOx emissions for regional air pollution models
[PB91-131664] 11 p1736 N91-19546
NOVAK, JOHN R.
The evaluation of expert system shells
[AD-A233496] 16 p2676 N91-24812
NOVAK, L.
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
NOVAK, MARK E.
RADC cathode life test facility
[AD-A234309] 18 p2978 N91-26444
NOVAK, WILLIAM E.
Feature-Oriented Domain Analysis (FODA) feasibility study
[AD-A235785] 19 p3223 N91-27815
NOVARA, M.
Long duration hyperbaric confinement: Hydra 9
15 p2450 N91-23571
NOVARINI, A.
Simulated absence of gravity impairs arterial baroreceptor control of heart rate in man
11 p1746 N91-19599
NOVICK, DANIELA
Soluble cytokine-receptors are present in normal human urine 14 p2294 N91-22684
NOVICK, ROBERT
Development of liquid xenon imaging gamma-ray spectrophotometers
[AD-A227575] 08 p1223 N91-16740
NOVIKOV, S. B.
Signs of interaction of the NGC 1275 nucleus with the high-velocity system according to 0.7 sec seeing observations 08 p1256 N91-16918
NOVIKOV, V. E.
Assessment of bone turnover in humans after space flight and hypokinesia 11 p1747 N91-19608
NOVIKOV, V. YE.
Mineral density of bones of human skeleton in simulated reduced gravity 19 p3208 N91-27730
NOVIKOVA, O. V.
Laser alloying of steel using powder materials
19 p3131 N91-27299
NOVINSKI, JOHN A.
High pulse-energy flashlamp-pumpable laser dyes
[AD-A233837] 18 p2988 N91-26499
NOVINSON, THOMAS
Energy conserving coating: Pigment research
[AD-A237841] 21 p3488 N91-29356
NOVOSELLER, D.
Nonlinear optics technology. Volume 2: Phase conjugated optical communication link, phase 3
[AD-A233534] 17 p2863 N91-25835
NOVOTNY, DONALD W.
High frequency losses in induction motors, part 2
[NASA-CR-188443] 16 p2631 N91-24565
NOWACK, C. J.
The development of a computational model to predict low temperature fuel flow phenomena
23 p3795 N91-31166
NOWACK, H.
Crack behaviour of 2024-T3, 2090-T8E41 and 7075-T6 under constant amplitude and different types of variable amplitude loading, especially Gaussian loading
02 p0223 N91-11244
NOWACK, MARK L.
A look at digital nose wheel steering
[AD-A233944] 18 p2924 N91-26131
NOWAK, DIETER
A microprocessor based charge control system for the simultaneous charging of several batteries with one charge controller
[DE90-017089] 02 p0207 N91-11157
A one-wire battery monitoring system with applications to on-board charging for electric vehicles
[DE91-005922] 09 p1330 N91-17305
NOWAK, W. B.
Assessment of corrosion resistant coatings for a depleted U-0.75 Ti alloy
[AD-A228237] 08 p1116 N91-16130
NOWICK, A. S.
On the role of crystal defects as sources of resonator frequency instability
[AD-A238505] 21 p3598 N91-30018
NOWICKI, TOMASZ
Invariant measures exist under a summability condition for unimodal maps
[REPT-90-36] 01 p0114 N91-10670
NOYAN, I. C.
Materials can be stressed out too
[AD-A231351] 13 p2105 N91-21589
NOYES, H. P.
On Feynman's proof of the Maxwell equations
[DE91-011758] 19 p3238 N91-27906
NOYES, H. PIERRE
Discrete gravity
[DE90-014808] 01 p0133 N91-10789
NOYES, ROBERT
Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017
Solar astronomy 24 p4120 N91-33026
NOYES, TERRI A.
Divergence detection in wind fields estimated by an airport surveillance radar
[AD-A228653] 09 p1322 N91-17263
NOZAKI, KAZUHIRO
Point vortex description of a modon solution
20 p3414 N91-28931
NOZAKI, OSAMU
A numerical analysis of the flow in a cascade with tip clearance 04 p0454 N91-12536
Numerical simulation of the flowfield through a turbine blade row with tip clearance 04 p0454 N91-12537
Design of ultra high bypass fan with numerical solution of Navier-Stokes equations 04 p0469 N91-12628
Navier-Stokes computations of three-dimensional turbine cascade flows 24 p3948 N91-32068
Application of 3-D Navier-Stokes computation to turbine vane design 24 p3948 N91-32069
NOZAWA, G.
Multimodal interactions in sensory-motor processing
[AD-A229111] 09 p1372 N91-17540
NOZAWA, K.
Management and operation of environmental test facility complex 07 p0951 N91-15225
NTUEN, CELESTINE A.
An expert system for planning and scheduling in a telerobotic environment
[NASA-CR-188648] 19 p3233 N91-27876
NUCCIARONE, J. J.
Rainfall estimation over oceans from scanning multichannel microwave radiometer and special sensor microwave/imager microwave data
[NASA-TM-104546] 22 p3710 N91-30646
NUCCIARONE, JEFFEREY J.
Aircraft measurements of the mean and turbulent structure of marine stratocumulus clouds during FIRE
01 p0087 N91-10514
NUEHRENBERG, JURGEN
Optimization, non-local MHD-mode, and alpha-particle confinement behavior of Helias equilibria
20 p3408 N91-28893

NUMMI, H.
Investigation of the fatigue crack growth characteristics of Ti-17
[DREP-89-32] 22 p3651 N91-30316
NUNEZ, L. A.
Luminosity profiles and the evolution of shock waves in general relativistic radiating spheres
[DE90-622195] 09 p1331 N91-17309
NUNNER, BERNHARD
Directional solidification of aqueous solutions
14 p2334 N91-22903
NUR, AMOS
Reports on block rotations, fault domains and crustal deformation
[NASA-CR-186756] 06 p0844 N91-14665
Block rotations, fault domains and crustal deformation in the western US 06 p0844 N91-14666
Distributed deformation and block rotation in 3D
06 p0845 N91-14667
Stress field rotation or block rotation: An example from the Lake Mead fault system 06 p0845 N91-14668
Multiple strike slip faults sets: A case study from the Dead Sea transform 06 p0845 N91-14669
NURMIKKO, ARTO V.
Optical and magnetic spectroscopy at interfaces of strained semiconductor superlattices
[AD-A236978] 19 p3256 N91-28013
NURRE, J.
Sensor failure detection and recovery by neural networks
[NASA-TM-104484] 16 p2677 N91-24815
NUSBAUM, A.
Legal and records management issue of optical disk storage media
[DE91-014898] 21 p3603 N91-30046
NUSCA, MICHAEL J.
Numerical simulation of reacting flow in a thermally choked ram accelerator-model development and validation
[AD-A234080] 19 p3162 N91-27484
NUSS, H. E.
Residual gas analysis and leak rate measurements during thermal vacuum tests 07 p0958 N91-15271
Pumpdown and repressurization procedure for thermal vacuum tests 07 p0961 N91-15290
NUSSBAUMER, H.
Twelve years in the life of symbiotic stars
09 p1430 N91-17871
NUSSER, MICHAEL A.
Evaluation of uniaxial and triaxial shock isolation techniques for a piezoresistive accelerometer
[DE91-000773] 04 p0527 N91-12922
NUTH, JOSEPH A.
Laboratory studies of refractory metal oxide smokes
06 p0903 N91-14993
NUTTALL, ALBERT H.
Evaluation of integrals and sums involving (sin(Mx)/sin(x))(sup n)
[AD-A224906] 03 p0410 N91-12291
Two-dimensional convolutions, correlations, and Fourier transforms of combinations of Wigner distribution functions and complex ambiguity functions
[AD-A226852] 08 p1209 N91-16649
Operating characteristics for weighted energy detector with Gaussian signals
[AD-A226851] 08 p1212 N91-16673
Alias-free smoothed Wigner distribution function for discrete-time samples
[AD-A229987] 12 p1972 N91-20849
Complex envelope properties, interpretation, filtering, and evaluation
[AD-A234478] 18 p3051 N91-26844
Spectra and covariances for classical nonlinear signal processing problems involving class A non-Gaussian noise
[AD-A237388] 21 p3498 N91-29413
NWOKAH, O. D.
Vibration dynamics and control of bladed disk assemblies
[AD-A236287] 19 p3180 N91-27586
NYCE, THOMAS A.
Definition study for temperature control in advanced protein crystal growth
[NASA-CR-187346] 05 p0722 N91-14029
Fluid dynamics and low gravity effects of chemical vapor deposition
[NASA-CR-187419] 07 p1001 N91-15495
Nucleation and growth control in protein crystallization
[NASA-CR-187345] 07 p1070 N91-15886
NYE, HOLLY L.
Experimental analysis of B-dot sensors
[AD-A238487] 21 p3520 N91-29547
NYE, LENDELL G.
Correlates of two experimental tests with performance in the FAA academy air traffic control nonradar screen program
[AD-A226419] 04 p0476 N91-12658
NYE, TED W.
Harmonic drive gear error: Characterization and compensation for precision pointing and tracking
16 p2641 N91-24620
NYGREN, A.
Effects of training with reduced perfusion pressure on performance and muscle fiber characteristics
11 p1748 N91-19615
NYGREN, DAVID
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
NYGREN, KIP P.
Calculation of rotor impedance for use in design analysis of helicopter airframe vibrations
04 p0598 N91-13333
NYLAND, LARS S.
Prototyping parallel and distributed programs in proteus
[AD-A236597] 20 p3384 N91-28746
NYLUND, NILS-OLAF
Use of natural gas and liquefied petroleum gas in heavy-duty engines
[DE91-752990] 13 p2097 N91-21546
NYMAN, L. A.
Proceedings of the symposium Astrophysical Processes and Structures in the Universe
[PB91-123653] 11 p1819 N91-19993
NYMAN, LARS-AKE
The Swedish-ESO Submillimeter Telescope (SEST)
13 p2175 N91-22008
NYQUIST, DENNIS P.
Radar target discrimination and identification using extinction-pulses and single-mode extraction pulses
[AD-A232162] 15 p2414 N91-23368
NYREN, KENNETH
Pressure measurements on the release system and determination of jet momentum in the project BA propane field tests 1989
[FOA-E-40044-4.5] 01 p0044 N91-10263
NYSTROM, G.
Imaging performance and tests of soft x ray telescopes
[DE91-007557] 12 p2000 N91-21010

O

OAKLEY, S.
A study of the logistics function within a medium sized, sales oriented chemical company
[ETN-91-99983] 23 p3934 N91-31987
OAKS, ROBERT Q., JR.
Sedimentation and tectonics in the northeastern and central Amadeus Basin, central Australia
19 p3193 N91-27653
Stratigraphy of the late Proterozoic Gaylad Sandstone, northeastern Amadeus Basin, and recognition of an underlying regional unconformity
19 p3194 N91-27658
Mesothrust versus megathurst interpretations of the structure of the northeastern Amadeus Basin, central Australia 19 p3196 N91-27671
OBAIDAR, M. S.
Characterization of ultrasonic transducers using pattern recognition techniques
[DE91-000580] 08 p1149 N91-16326
OBANDO, R.
Algorithm To Architecture Mapping Model (ATAMM) multicomputer operating system functional specification
[NASA-CR-4339] 09 p1325 N91-17277
OBANDO, RODRIGO
ATAMM enhancement and multiprocessor performance evaluation
[NASA-CR-188495] 16 p2672 N91-24788
OBANNON, B. J. J.
Wideband microwave generation with GaAs photoconductive switches
[DE91-017544] 24 p4009 N91-32415
OBANNON, B. JIM
Subnanosecond, high voltage photoconductive switching in GaAs
[DE91-002671] 05 p0727 N91-14063
OBAYASHI, S.
Flowfield of a lifting hovering rotor: A Navier-Stokes simulation
[NASA-TM-102862] 07 p0936 N91-15128
OBAYASHI, SHIGERU
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
Free stream capturing in fluid conservation law for moving coordinates in three dimensions
[NASA-CR-177572] 07 p0938 N91-15139
Algorithm and code development for unsteady three-dimensional Navier-Stokes equations
[NASA-CR-188039] 20 p3341 N91-28503
OBENSCHAIN, S. P.
Reduction of three-halves harmonic emission from laser-produced plasmas with broadwidth induced spatial incoherence at 0.53 micrometers
[AD-A235798] 19 p3250 N91-27974
Hydrodynamic target response to an induced spatial incoherence-smoothed laser beam
[DE91-015757] 23 p3878 N91-31638
OBERACKER, V. E.
Microscopic heavy-ion theory
[DE91-010739] 15 p2504 N91-23869
OBERG, TERO
Evaluation of catastrophic failure risk in pressure vessels. Results of pressure vessel test with a large vessel (HC2-test)
[VTT-RR-708] 15 p2446 N91-23551
OBERHARDT, M. R.
Theory of plasma contactors in ground-based experiments and low Earth orbit
09 p1403 N91-17721
OBERHOLTZER, J. DAVID
The Surface Wave Dynamics Experiment (SWADE)
17 p2798 N91-25478
OBERKAMPF, W. L.
HVOF: Particle, flame diagnostics, and coating characteristics
[DE91-014654] 23 p3809 N91-31248
OBERKAMPF, WILLIAM L.
Joint computational/experimental aerodynamics research on a reentry vehicle. Part 1: Experimental results
[DE90-012759] 07 p0962 N91-15296
Joint computational/experimental aerodynamics research on a reentry vehicle. Part 2: Computational results
[DE90-012765] 08 p1102 N91-16054
OBERLE, W. F.
BRLCB: A closed chamber data analysis program with provisions for deterred and layered propellants
[AD-A235618] 19 p3144 N91-27376
OBERLERCHER, GERNOT
Examination of debris from satellites with nuclear reactors: A comparison of different methods
[OEFZS-4541] 09 p1297 N91-17122
OBERMAYER, RICHARD W.
Human-computer interaction in tactical operations: Designing for effective human-computer dialogue
[AD-A230069] 12 p1932 N91-20632
OBERNDORF, RICHARD A.
Analysis of visual illusions using Gabor filters
[AD-A230678] 12 p1931 N91-20628
OBERS, N. A. J.
Graph theory and the Virasoro master equation
[DE91-016432] 24 p4093 N91-32866
OBERSTEINER, MICHAEL H.
The space station as a station for interplanetary missions
[ETN-91-98799] 10 p1488 N91-18200
OBLINGER, J. T.
After-action report for the Next-Generation Computer Resources (NGCR) operating systems interface standard baseline selection process
[AD-A225833] 04 p0555 N91-13078
OBLOW, E. M.
Proposal for continued basic research in intelligent machines at the Center for Engineering Systems Advanced Research: Fiscal years 1992-1996
[DE91-012997] 20 p3390 N91-28784
OBOT, N. T.
Two-phase flow patterns and frictional pressure gradients in a small, horizontal, rectangular channel
[DE90-014802] 01 p0040 N91-10236
Experimental and theoretical studies of friction and heat transfer in rough passages
[DE90-016302] 02 p0219 N91-11223
Experimental and theoretical studies of friction and heat transfer in rough passages
[DE91-005073] 07 p1003 N91-15504
Two-phase flow patterns and frictional pressure gradients in a small rectangular channel
[DE91-009652] 15 p2421 N91-23414
Experimental investigation of pressure drop and heat transfer for air flow through enhanced tubes
[DE91-012151] 20 p3342 N91-28508
Pressure drop and heat transfer for spirally fluted tubes including validation of the role of transition
[DE91-012242] 20 p3342 N91-28509
Adiabatic two-phase flow frictional pressure drop. Part 2: A generalized method for data correlation
[DE91-014462] 21 p3512 N91-29501

Adiabatic two-phase flow frictional pressure drop. Part 1: Critical parameters and friction factors for air-water mixture
[DE91-014463] 21 p3512 N91-29502
OBOZNOV, A. A.
Psychological preparation of operators for activity during sustained G-loads 10 p1560 N91-18577
OBRIEN, B.
Aluminium-lithium alloys: A review and assessment 03 p0332 N91-11857
OBRIEN, CHARLES J.
The propulsion system is the key to airline-like operation of ETO vehicles 20 p3300 N91-28256
OBRIEN, D. F.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
OBRIEN, ENDA
The effect of latent heat release on synoptic-to-planetary wave interactions and its implication for satellite observations: Theoretical modeling 08 p1184 N91-16514
OBRIEN, J. C.
Defect dependence of positron lifetimes in oxide superconductors
[DE91-006714] 10 p1608 N91-18876
Positron lifetime studies of defect structures in Ba(1-x)K(x)BiO3
[DE91-007341] 11 p1806 N91-19919
OBRIEN, J. M.
Testing of ceramic radiant tube heating system
[PB91-161323] 19 p3162 N91-27483
OBRIEN, P. T.
The ultraviolet variability of 4C37.43 (QSO 1512+37) 09 p1444 N91-17964
OBRIEN, T. K.
Analysis of matrix cracking and local delamination in (0/theta/-theta)sub s graphite epoxy laminates under tension load
[NASA-TM-104062] 14 p2239 N91-22384
Residual thermal and moisture influences on the strain energy release rate analysis of local delaminations from matrix cracks
[NASA-TM-104077] 22 p3644 N91-30280
OBRIEN, T. KEVIN
Local delamination in laminates with angle ply matrix cracks. Part 1: Tension tests and stress analysis
[NASA-TM-104055] 20 p3305 N91-28293
Local delamination in laminates with angle ply matrix cracks. Part 2: Delamination fracture analysis and fatigue characterization
[NASA-TM-104076] 22 p3643 N91-30274
OCH, F.
Analytical methods for the qualification of helicopter structures 16 p2646 N91-24650
OCH, FRITZ
Analytical methods for the qualification of helicopter structures
[MBB-UD-0569-90-PUB] 04 p0478 N91-12666
OCHELTREE, S. L.
Laser transit anemometer and Pitot probe comparative measurements in a sharp cone boundary layer at Mach 4
[NASA-TM-104101] 19 p3169 N91-27523
OCHOA, OZDEN O.
Experimental observations and finite element analysis of the initiation of fiber microbuckling in notched composite laminates
[NASA-CR-185354] 05 p0676 N91-13756
OCHS, G. R.
Optical inner-scale meter
[PB90-268285] 09 p1399 N91-17698
OCHSENBEIN, FRANCOIS
Southern Durchmusterung (Schoenfeld 1886): Documentation for the machine-readable version
[NASA-TM-105062] 22 p3772 N91-31037
Bonner Durchmusterung (Argelander 1859-1862): Documentation for the machine-readable version
[NASA-TM-105061] 22 p3773 N91-31038
OCKENDON, J. R.
Nonlinear wave and diffusion equations
[AD-A229795] 12 p1866 N91-20251
OCKERT, C. E.
A method for pressure-pulse suppression in fluid-filled piping
[DE90-010408] 08 p1137 N91-16260
OCKO, B. M.
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307
OCOLMAN, D.
Proceedings of the 28th Annual Technical Symposium on Achieving Technical and Management Excellence
[PB91-189134] 22 p3764 N91-30984
OCONNELL, J. P.
Theoretical and experimental study of mixed solvent electrolytes
[DE91-005720] 09 p1309 N91-17184
OCONNELL, R. W.
Central star formation in S0 galaxies 05 p0759 N91-14223
OCONNELL, RICHARD J.
Report of the panel on earth structure and dynamics, section 6 13 p2106 N91-21595
OCONNELL, SUSAN M.
Proceedings of the 1991 American Association for the Advancement of Science Annual Meeting Program 15 p2521 N91-23969
OCONNELL, THOMAS
Contamination capacitance probe system
[AD-D014912] 19 p3168 N91-27519
OCONNOR, D. G.
Reduction factors for creep strength and fatigue life of modified 9 Cr-1 Mo steel weldments
[DE91-009919] 15 p2445 N91-23544
OCONNOR, L. S.
Effect of additives on the morphology and superconductivity of YBa2Cu3O(6+x) ceramic superconductors
[AD-A224734] 03 p0422 N91-12359
ODA, MITSUSHIGE
Research and development of future space robotics in NASDA 15 p2451 N91-23582
ODA, T.
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771
ODAJIMA, K.
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771
ODAM, G. A. M.
Lightning protection requirements for aircraft: A proposed specification
[RAE-TM-FS(F)-632-ISSUE-1-REV] 16 p2557 N91-24186
ODASHIMA, EUNICE KINUYO
Application of Gestalt theory concepts for image interpretation for robot movement navigation
[INPE-5225-TDL/438] 22 p3741 N91-30843
ODEH, NABIH
Mathematical models of mixture properties: B-splines and optimization with form conditions
[ETN-90-97829] 02 p0262 N91-11462
ODELL, C. R.
Differences in the size-internal velocity relation of galactic and extragalactic HII regions 05 p0746 N91-14158
The near ultraviolet spectra of comets P/Brorsen-Metcalf and Austin 12 p2003 N91-21022
Modeling the surface and interior structure of comet nuclei using a multidisciplinary approach
[NASA-CR-188635] 22 p3775 N91-31052
ODEN, J. T.
Solid rocket booster internal flow analysis by highly accurate adaptive computational methods
[NASA-CR-184141] 13 p2043 N91-21239
Non-algorithmic issues in automated computational mechanics
[AD-A238322] 22 p3727 N91-30744
ODEWAHN, STEPHEN CHARLES
Properties of the Magellanic-type galaxies 05 p0764 N91-14245
ODH, SVEN-AAKE
The MISU baseline station
[AA-2] 22 p3703 N91-30611
ODOM, GREGORY
The prediction of pseudo-resonance positions in the Schwinger variational principle 19 p3268 N91-28077
ODONNELL, H.
The formation of novel thermoplastic composites from liquid crystalline polymers and their blends
[AD-A239546] 23 p3808 N91-31244
ODUBIYI, JIDE
Unattended network operations technology assessment study. Technical support for defining advanced satellite systems concepts
[NASA-CR-187080] 15 p2533 N91-24030
OEGELMAN, H.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
OELEN, WILCO
The Transputer Operating System TROS: Reference manual (TROS version 0.6)
[MEMO-INF-90-68] 22 p3738 N91-30824
OERMANN, RAY
Analysis of emission data from a broad-band radiometer
[AD-A228912] 09 p1339 N91-17354
OERTEL, C.-H.
A new approach to hardware-in-the-loop simulation (FALKE shuttle) 07 p1045 N91-15735
OERTEL, J.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941
OERY, H.
Non-linear vibration of large, imperfect space structures 02 p0160 N91-10930
Non-linear vibration of large, imperfect space structures
[MBB-UO-0080-90-PUB] 03 p0320 N91-11788
OESTERREICHER, H.
Fe site occupancy and superconductivity in Y(1-z)Ca(z)Ba(z) (Cu(1-x)Fe(x))3O(6+y)
[DE90-016614] 01 p0131 N91-10774
Changes in Fe site occupancy and (Tc) in YBa2(Cu(1-x)Fe(x))3O(y) through processing
[DE90-010614] 09 p1409 N91-17751
OESTEVOLD, EINAR
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 1: Methodology
[FFI-90/4005-VOL-1] 12 p1844 N91-20138
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 2: General data flow diagram
[FFI-90/4005-VOL-2] 12 p1844 N91-20139
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 3: Data dictionary
[FFI-90/4005-VOL-3] 12 p1845 N91-20140
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 5: Specification mode 15, A + T + B + H
[FFI-90/4005-VOL-5] 12 p1845 N91-20141
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 9: Specification of sub-processes
[FFI-90/4005-VOL-9] 12 p1845 N91-20142
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 4: Processor mini-spec
[FFI-90/4005-VOL-4] 13 p2026 N91-21145
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 6: Specification mode 16, N
[FFI-90/4005-VOL-6] 13 p2027 N91-21146
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 7: Specification mode 29, N + A + T + H
[FFI-90/4005-VOL-7] 13 p2027 N91-21147
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 8: Specification mode 30, N + A + T + B
[FFI-90/4005-VOL-8] 13 p2027 N91-21148
System for generation of synthetic images (SYBIL)
[FFI-90/4002] 14 p2308 N91-22753
OETTINGER, F. F.
Semiconductor measurement technology: Thermal resistance measurements
[PB90-269564] 09 p1410 N91-17762
OETTL, HERWING
SAR for the Earth Observing System: Mission to Planet Earth 07 p0990 N91-15435
OEVEL, W.
An r-matrix approach to nonstandard classes of integrable equations
[MATHS-REPT-A-149] 24 p4092 N91-32861
OEY, M. S.
Gravitational star formation thresholds and gas density in three galaxies 05 p0757 N91-14210
OEZEN, GOENUEL
Energy transfer processes between Tm(3+) and Ho(3+) in LiYF4
[NASA-CR-187578] 19 p3171 N91-27530
OFER, DAVID
Potential dependence of the conductivity of polyacetylene: Finite potential window of high conductivity
[AD-A233263] 16 p2606 N91-24442
OFFENBACHER, ELMER L.
Remote sensing of snow covers using the gamma ray technique
[AD-A238016] 21 p3534 N91-29639
OFFENBERG, M.
Surface etching and roughening in integrated processing of thermal oxides
[AD-A234960] 18 p2980 N91-26456
OFFENLOCH, KURT
Computer aided physiological assessment of the functional state of pilots during simulated flight 08 p1194 N91-16562

OFFORD, B. W.
Laser processing of Silicon On Sapphire (SOS) for fabrication of bipolar transistors
[AD-A233390] 16 p2621 N91-24511
OFFSEY, S. D.
Advanced technology for improved quantum device properties using highly strained materials
[AD-A233109] 16 p2694 N91-24916
OGALLAGHER, A.
Time domain frequency stability calculated from the frequency domain description: Use of the SIGINT software package to calculate time domain frequency stability from the frequency domain
[PB90-257684] 02 p0253 N91-11405
OGANOV, V. S.
Ultrasonic assessment of human tibia during 370-day antiorthostatic hypokinesia 10 p1562 N91-18591
Assessment of bone turnover in humans after space flight and hypokinesia 11 p1747 N91-19608
Computer tomography measurement of vertebral bones and muscles after extended manned space flights 18 p3023 N91-26690
Mineral density of bones of human skeleton in simulated reduced gravity 19 p3208 N91-27730
OGASAWARA, T.
Development of Nb3Sn ac superconductor, part 1
[DE91-742150] 10 p1609 N91-18880
OGAWA, SATORU
Turbulence models for transonic flows with separation 04 p0452 N91-12519
Computation of three-dimensional chemically reacting flows around re-entry vehicles 04 p0452 N91-12522
Numerical computation of flow for scramjet 04 p0453 N91-12529
On the numerical simulations of flow around a body of complex configurations 04 p0457 N91-12557
Numerical calculation of chemically reacting compressible flow 04 p0464 N91-12596
The accuracy of direct numerical simulation of wall turbulent flow and the numerical prediction on the effect of drag reducing devices 04 p0464 N91-12598
On a new difference scheme-ATVD2 04 p0466 N91-12609
On the computation of viscous flows around a three-dimensional wing 04 p0468 N91-12623
Numerical calculation of flow for scramjet engine 24 p3943 N91-32035
OGBUEHI, C. R. A.
Sweet potato for closed ecological life support systems using the nutrient film technique 23 p3902 N91-31782
OGBUEHI, CYRIACUS R.
Effect of biweekly shoot tip harvests on the growth and yield of Georgia Jet sweet potato grown hydroponically 19 p3266 N91-28065
Effect of channel size on sweet potato storage root enlargement in the Tuskegee University hydroponic nutrient film system 19 p3266 N91-28066
OGDEN, ANDREA L.
The development and evaluation of an alternative powder prepregging technique for use with LaRC-TPI/graphite composites
[NASA-CR-188184] 15 p2392 N91-23242
OGILBY, P. R.
Polymer characterization using the time-resolved phosphorescence of singlet oxygen as a spectroscopic probe
[DE91-001269] 11 p1688 N91-19303
Polymer characterization using singlet oxygen phosphorescence as a spectroscopic probe
[DE91-011735] 18 p2967 N91-26382
OGINO, JUN
Aerodynamic design of non-planar wing by inverse method with Navier-Stokes equation 24 p3945 N91-32045
OGITSU, T.
Investigation of wire motion in superconducting magnets
[DE91-004952] 08 p1213 N91-16674
OGLESBY, ROBERT
Nonlinear dynamics of global atmospheric and Earth-system processes 08 p1183 N91-16510
Nonlinear dynamics of global atmospheric and Earth-system processes 24 p4061 N91-32687
OGLESBY, ROBERT JAMES
The application of equilibrium climate models to questions of glaciation at high latitudes 15 p2467 N91-23669
OGLEVIE, R. E.
Airbreathing booster performance optimization using a microcomputer 16 p2568 N91-24235
OGNEV, L. I.
Study of relativistic electrons at channeling in a beryllium thick crystals
[DE91-619859] 13 p2160 N91-21909
OGREN, J. A.
Parametric aerosol sampling at low concentration levels
[AA-1] 10 p1545 N91-18501
OGREN, JOHN
The MISU baseline station
[AA-2] 22 p3703 N91-30611
OGUNI, Y.
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
OGURA, K.
Survey observations of emission-line stars in the Orion region 06 p0897 N91-14955
Nonlinear computer analysis of backward wave oscillator 20 p3413 N91-28923
OGURA, KOICHI
Electron temperature of Gd plasma produced by laser resonance ionization
[DE91-744833] 11 p1805 N91-19913
OGURA, SATOSHI
Soft x ray emission and diagnosis from fiber pinch and conductive thin film liner compression plasma 19 p3248 N91-27964
OGURA, YUKIO
Convergence of one-dimensional diffusion processes to a jump process related to population genetics
[AD-A232121] 15 p2496 N91-23826
OH, BYUNG K.
Wake coupling to full potential rotor analysis code
[NASA-TM-102805] 01 p0003 N91-10013
OH, C. H.
Three-dimensional fluid flow in JFTOT (Jet Fuel Thermal Oxidation Tester)
[DE90-010929] 02 p0201 N91-11128
OH, CHAEYOUN
Modeling and control of a two-arm elastic robot in gravity 08 p1160 N91-16389
OH, KAP-SOO
Dynamics of gravitational systems: Globular clusters and dark matter halos 03 p0437 N91-12445
OH, MYUNGHO
Pole assignment by output feedback: A review
[MATHS-REPT-A-142] 22 p3741 N91-30844
OH, SUNG NAM
A comparison of ERBE and AVHRR longwave flux estimates
[NOAA-TR-NESDIS-50] 10 p1555 N91-18553
OHAIR, MARK ALLEN
A whole word and number reading machine based on two dimensional low frequency Fourier transforms
[AD-A229036] 09 p1374 N91-17551
OHALLORAN, BERNARD
Magnetic domain strain sensor program
[AD-A227225] 08 p1149 N91-16327
OHANDLEY, R. C.
Icosahedral and other quasicrystal phases in magnetic alloy systems
[AD-A227987] 07 p0983 N91-15395
OHARA, JOHN M.
Advanced human-system interface design review guidelines
[DE91-005439] 09 p1373 N91-17544
OHARA, PATRICIA A.
Local area networking handbook
[AD-A236835] 19 p3232 N91-27872
OHARA, TIMOTHY J.
Electron transfer between glucose oxidase and electrodes via redox mediators bound with flexible chains to the enzyme surface
[AD-A231115] 13 p2151 N91-21856
OHASA, K.
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771
OHAYON, R.
Updating of finite element models using experimental vibratory type data. Process of static substructuring
[ONERA-RT-10/3313-RY-090-R] 23 p3885 N91-31682
OHERN, M. E.
The hardness and elastic modulus of TiN films as determined by ultra-low load indentation
[DE91-006336] 09 p1315 N91-17219
OHERN, T. J.
Measurements of passive-scalar spectra for grid turbulence using a nonlinear optical technique
[DE91-005310] 15 p2507 N91-23892
OHERN, TIM
Advanced thermally stable jet fuels development program annual report. Volume 1: Model and experiment system development
[AD-A229692] 12 p1878 N91-20322
OHGISHI, TATSUYA
The accuracy of direct numerical simulation of wall turbulent flow and the numerical prediction on the effect of drag reducing devices 04 p0464 N91-12598
OHHASHI, TOSHIRO
An antenna-pointing mechanism for the ETS-6 K-band Single Access (KSA) antenna 16 p2640 N91-24609
OHLBERG, DOUGLAS A.
X ray diffraction and electron spectroscopy of epitaxial molecular C60 films
[AD-A232152] 15 p2517 N91-23954
OHLEMILLER, T. J.
Material flammability test assessment for Space Station Freedom
[NASA-CR-187115] 17 p2740 N91-25165
OHLSEN, H.
Muscle function impairment following lower limb unloading in men 11 p1749 N91-19616
OHLSEN, W. D.
Electronic processes in thin film PV materials
[DE90-000359] 02 p0232 N91-11295
OHLSSON, STELLAN
Adaptive search through constraint violations
[AD-A225553] 03 p0413 N91-12313
The mechanism of restructuring in geometry
[AD-A224740] 05 p0709 N91-13951
OHM, GERHARD
High power optical transmitter package
[ETN-90-98197] 04 p0531 N91-12945
OHMORI, SHINGO
Satellite sound broadcast research aspect in CRL 03 p0352 N91-11965
OHNEMUS, J.
Searching for the Higgs in ep collisions at LEP/LHC
[DE91-015701] 23 p3925 N91-31930
OHNUKI, S.
Radiation-induced microstructural development and microchemical changes in Fe-Cr-Mn-Ni solute-bearing alloys
[DE90-016359] 01 p0027 N91-10160
OHNUKI, TAKESHI
Transonic aerodynamics analyses of unconventional wing configurations by 3D-Euler code 04 p0457 N91-12555
A computational and experimental analysis of joined-wing aerodynamics
[NAL-TR-1088T] 17 p2729 N91-25114
Observation of laminar boundary layer transition on light monoplane wing surface
[NAL-TR-1077] 17 p2777 N91-25366
OHNUMA, SHOROKU
Research in accelerator physics (theory)
[DE91-006845] 10 p1595 N91-18801
OHOTNICKY, MICHELE M.
Identification of essential success factors for an electronic master publication library
[AD-A229624] 24 p4116 N91-33004
OHRINER, E. K.
Processing and mechanical properties of NI3AI-based intermetallic composites
[DE91-009932] 17 p2758 N91-25270
OHSAKA, K.
Undercooling of acoustically levitated molten drops 13 p2063 N91-21359
OHSAWA, H.
A new ground data system for Akebono (EXOS-D) satellite 14 p2209 N91-22200
OHSAWA, Y.
High-energy protons produced by a large-amplitude magnetosonic wave and associated gamma radiation through neutral pion decay
[DE90-520190] 04 p0580 N91-13231
Solar flares and particle acceleration 06 p0916 N91-15049
Rapid acceleration of protons in a nonlinear magnetosonic wave and their energy spectrum 20 p3410 N91-28905
OHSHIMA, TAKASHI
Pre-processing of image data 01 p0061 N91-10364
Cloud motion wind 01 p0061 N91-10365
OHSUGA, SETSUO
Application of AI to engineering problems 24 p3943 N91-32033
OHYABU, N.
An empirical scaling of the thermal diffusivity applicable to both L- and H-mode discharges
[DE90-520194] 04 p0583 N91-13255
Study on H-mode and improved confinement in JFT-2M 10 p1599 N91-18819
Equilibrium beta limit of helical systems 20 p3408 N91-28894
OHYABU, NOBUYOSHI
Suppression of magnetic surface breaking by simple extra coils in a finite beta equilibrium of helical system
[NIFS-76] 17 p2866 N91-25848
High temperature divertor plasma operation
[NIFS-77] 17 p2866 N91-25849

OJALEHTO, GEORGE
Launch operations manpower yesterday, today and tomorrow 20 p3301 N91-28267
OJO, SUNDAY OLUSEGUN
Information management: A uniform conceptual model and its user interface 20 p3439 N91-29084
OKA, T.
Effect of oxygen transport and resistivity of the environment on the corrosion of steel
[PB91-107292] 09 p1313 N91-17207
OKABE, MASANORI
Configuration, function and performance of the flight simulation test facility and its motion simulation system
[NAL-TM-575] 01 p0013 N91-10080
Function and performance of visual simulation unit of flight simulation test facility
[NAL-TM-581] 01 p0013 N91-10082
OKADA, HIROSHI
Boundary element methods for linear and nonlinear solid mechanics problems; and fracture toughness enhancement mechanisms in ceramic materials
16 p2604 N91-24428
OKADA, S.
Thin film single crystal growth of a nonlinear optical polymer
[AD-A227692] 08 p1235 N91-16807
OKADA, SHIN
The software system on parallel processor for computational fluid dynamics 13 p2068 N91-21388
OKAJIMA, S.
Measurement of density fluctuations in the JIPP T-IIU tokamak 10 p1598 N91-18815
OKAMATO, Y.
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828
OKAMOTO, MASAO
Beam-driven currents in the 1/nu regime in a helical system
[NIFS-27] 24 p4108 N91-32955
OKAMOTO, P. R.
Correlation between the elastic-shear-instability-mechanism and empirical criteria for irradiation-induced amorphization
[DE91-004481] 08 p1235 N91-16810
OKAMOTO, YOSHIZO
Heat transfer characteristics of a radical heat pipe
08 p1140 N91-16276
OKANO, MASAHARU
Intercomparison of measuring and evaluation methods for environmental radiations
[DE91-772227] 17 p2809 N91-25527
OKAZAKI, TSUKASA
DPC telecommunication system
01 p0059 N91-10354
OKEEFFE, H. BRIAN
Australian experiments in Automatic Dependent Surveillance (ADS) including the Pacific Engineering Trials (PET) 24 p3955 N91-32101
OKEEFFE, MICHAEL
The structure of Ta3N5 at 16K by time-of-flight neutron diffraction
[AD-A236596] 20 p3423 N91-28987
OKHLOPKOV, V. P.
Cosmic ray charged component variations at sea level
[DE91-615480] 11 p1823 N91-20021
OKHUYSEN, W. P.
Performance characteristics of an MHD (Magnetohydrodynamic) pilot plant electrostatic precipitator
[DE91-007218] 11 p1804 N91-19905
OKI, T.
Disturbances of three cometary magnetospheres as explained by an MHD simulation
12 p2006 N91-21039
OKIISHI, T. H.
An experimental comparison of nonswirling and swirling flow in a circular-to-rectangular transition duct
[NASA-TM-104359] 13 p2020 N91-21115
An experimental trace gas investigation of fluid transport and mixing in a circular-to-rectangular transition duct
[NASA-TM-104499] 19 p3100 N91-27129
OKIISHI, THEODORE H.
Modification of axial-flow compressor stall margin by variation of stationary blade setting angles
[AD-A238406] 21 p3459 N91-29186
OKOH, C. I.
NOx emission constraints on high-temperature processes
[PB91-136424] 16 p2654 N91-24682
OKOH, CLEMENT I.
Combustion experimentation handbook
[PB91-101923] 09 p1308 N91-17175
OKUDA, H.
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
Three-dimensional particle simulation of trapped electron instabilities in tokamaks
20 p3408 N91-28891
OKUDA, HARUYUKI
Japanese space programmes of IR and sub-mm astronomy 13 p2173 N91-21997
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope
13 p2174 N91-22004
OKUDA, T.
Management and operation of environmental test facility complex 07 p0951 N91-15225
OKUMURA, SACHIKO K.
CO mapping of the nuclear region of NGC 6946 and IC 342 with Nobeyama millimeter array
05 p0762 N91-14233
OLALAINTY, BERNARD
Expert operator's associate: An expert system for spacecraft control 14 p2217 N91-22253
OLAND, C. B.
Development of the structural materials information center
[DE90-016521] 02 p0285 N91-11603
OLANDER, D. R.
Cluster formation in laser-induced ablation and evaporation of solids observed by laser ionization time-of-flight mass spectrometry and scanning tunneling microscopy
[DE90-010876] 08 p1152 N91-16344
OLBERG, M.
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
05 p0739 N91-14125
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
OLBRIGHT, G. R.
Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377
OLCMEN, SEMIH M.
Study of three-dimensional pressure-driven turbulent boundary layer
[AD-A229495] 22 p3671 N91-30444
OLCMEN, SEMIH MEHMET
An experimental study of a three-dimensional pressure-driven turbulent boundary layer
17 p2775 N91-25358
OLDALE, PAUL
Douglas flight deck design philosophy
02 p0162 N91-10939
OLDEDAALHUIS, A. B.
Uniform Airy type expansions of integrals
[CWI-AM-R9011] 10 p1582 N91-18713
OLDENBORG, R. C.
Methane to methanol conversion by direct partial oxidation
[DE91-007352] 11 p1680 N91-19257
OLDENBORG, RICHARD C.
Methane to methanol conversion
[DE91-004843] 07 p0987 N91-15419
OLDEROG, ERNST-RUEDIGER
Using transformations to verify parallel programs
[CWI-CS-R8956] 03 p0404 N91-12249
Proving termination of parallel programs
[CWI-CS-R9016] 07 p1053 N91-15786
Introduction to program verification
[CWI-CS-R9036] 17 p2838 N91-25688
OLDFIELD, M. L. G.
Experimental techniques in unsteady flows
[OUEL-1843/90] 12 p1895 N91-20420
OLDFIELD, S.
Report on the photogrammetric determination of the shape of a 10m diameter microwave antenna
[NPL-MOM-103] 24 p3983 N91-32248
OLDHAM, N. M.
NIST digitally synthesized power calibration source
[PB91-107474] 09 p1326 N91-17281
OLEARY, C. O.
Oscillatory test techniques 14 p2192 N91-22107
Oscillatory data for typical configurations
14 p2192 N91-22109
OLEARY, SCOTT T.
Transfer orbit stage mechanisms thermal vacuum test
11 p1663 N91-19161
OLECHOWSKI, MARK JOSEPH
Analysis of single and multi-grade lubricant film thickness in a diesel engine
[AD-A226651] 05 p0669 N91-13715
OLER, WALT
Wind drag coefficients for octagonal cylinders
[PB91-164475] 19 p3102 N91-27141
OLESON, MEL W.
Conceptual design of a closed loop nutrient solution delivery system for CELSS implementation in a micro-gravity environment 23 p3905 N91-31798
OLESYUK, B.
Commentary on Salyut-7 reentry, intended role of Cosmos-1686-type modules 22 p3625 N91-30171
OLEYNIK, G.
Integrating UNIX workstation into existing online data acquisition systems for Fermilab experiments
[DE91-011974] 18 p3082 N91-27044
Design of the Digital Sky Survey DA and online system: A case history in the use of computer aided tools for data acquisition system design
[DE91-016469] 24 p4121 N91-33032
OLHOEFT, G. R.
Magnetic and electrical properties of Martian particles
18 p3088 N91-27074
OLIGER, JOSEPH
A system and language environment for scientific computing
[AD-A233747] 18 p3039 N91-26772
Adaptive component methods for time dependent PDE's
[AD-A233776] 18 p3039 N91-26775
Symbolic expressions of composite grid structures
[AD-A233794] 18 p3049 N91-26836
An accurate hyperbolic system for oceanographic flows
[AD-A234072] 19 p3204 N91-27712
OLINGER, CHAD TRACY
Isotopic measurements of solar noble gases in individual micrometeorites from Greenland and Antarctica
20 p3444 N91-29114
OLINTO, ANGELA V.
Dibaryons in neutron stars
[NASA-CR-188704] 20 p3443 N91-29109
OLISSOFF, S.
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
OLIVA, RUDOLF
Equipment and methods employed for calibration of the sensors and measurement lines in the ATTAS flight test platform
[ESA-TT-1208] 03 p0369 N91-12069
OLIVE, K. A.
Neutrino degeneracy and cosmological nucleosynthesis, revisited
[NASA-CR-188703] 20 p3444 N91-29110
OLIVER, ANGELA C.
Test and evaluation of load converter topologies used in the Space Station Freedom Power Management and distribution DC test bed
[NASA-TM-105217] 22 p3642 N91-30267
OLIVER, B. M.
The influence of helium on mechanical properties of model austenitic alloys, determined using Ni-59 isotopic tailoring and fast reactor irradiation
[DE91-004891] 07 p0981 N91-15385
Helium measurements for the MFE-4 spectral tailoring experiment
[DE91-004893] 07 p0981 N91-15387
OLIVER, F.
X ray dichroism and Faraday effect studies in ordered and disordered Fe3Pt
[DE91-017305] 24 p4111 N91-32974
OLIVER, FREDERICK W.
Moessbauer spectroscopy and scanning electron microscopy of the Murchison meteorite
19 p3273 N91-28103
OLIVER, G.
Experimentation and concept formation by an autonomous mobile robot
[DE90-003063] 08 p1156 N91-16368
OLIVER, H. W.
Principal facts for about 16,000 gravity stations in the Nevada test site and vicinity
[DE90-011521] 08 p1175 N91-16470
OLIVER, JAMES M.
The relevance of the De Broglie relation to the Hugoniot Elastic Limit (HEL) of shock loaded solid materials
[AD-A225786] 04 p0536 N91-12973
OLIVER, JOHN P.
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
OLIVER, W. C.
The hardness and elastic modulus of TiN films as determined by ultra-low load indentation
[DE91-006336] 09 p1315 N91-17219
Initial determination of the micromechanical properties of oxide scales
[DE90-012164] 23 p3817 N91-31291
OLIVERSEN, N.
The long-term monitoring of the spectrophotometric IUE standard stars 09 p1438 N91-17922
OLIVERSEN, RONALD J.
Fabry-Perot observations of comet Austin
12 p2003 N91-21021

A tail-wagging event in comet Austin
12 p2005 N91-21038

OLIVI, F. M.
The spectral energy distribution of stellar generations: Evolution and comparison with cluster spectra
09 p1438 N91-17927

OLIVIERI, J.
Preliminary survey of 21st century civil mission applications of space nuclear power
[NASA-TM-101249] 06 p0871 N91-14817

OLKINUORA, PAULI
Aluminum welded structure fatigue tests
07 p1016 N91-15582

OLLE, RAYMOND M.
Effects of dust accumulation and removal on radiators surfaces on Mars
[NASA-TM-103704] 12 p1858 N91-20204
The effect of atomic oxygen on polysiloxane-polyimide for spacecraft applications in low Earth orbit
12 p1951 N91-20735
Durability evaluation of photovoltaic blanket materials exposed on LDEF tray S1003 16 p2720 N91-25062

OLLENDORF, STANFORD
Telerobotic electronic materials processing experiment
14 p2361 N91-23061

OLLERTON, R.
An event-activation record approach to simulation modeling in Ada: User's guide
[AD-A232093] 15 p2486 N91-23768

OLLIS, DAVID F.
Heterogeneous photocatalytic oxidation of atmospheric trace contaminants
[NASA-CR-188200] 16 p2654 N91-24685

OLMEZ, ILHAN
Charged particle activation studies on the surface of LDEF spacecraft 16 p2708 N91-24987

OLMSTEAD, B. A.
The development of a computational model to predict low temperature fuel flow phenomena
23 p3795 N91-31166

OLNESS, D. U.
Effectiveness of tiltrotor support to ground combat
[DE91-013603] 20 p3285 N91-28167

OLOFSSON , G.
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations
13 p2181 N91-22050

OLOFSSON, H.
Proceedings of the symposium Astrophysical Processes and Structures in the Universe
[PB91-123653] 11 p1819 N91-19993
Proceedings of 146th IAU Symposium on Dynamics of Galaxies and Molecular Cloud Distribution
[PB91-123661] 11 p1819 N91-19994

OLOUGHLIN, MICHAEL J.
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors 06 p0795 N91-14394
Threshold voltage and I-V characteristics of AlGaAs/GaAs MODFETs
[AD-A228844] 08 p1135 N91-16248
Neutron degradation of the I-V characteristics of AlGaAs/GaAs modulation-doped field effect transistors
[AD-A231696] 14 p2330 N91-22876

OLS, JOE
Reusable rocket engine intelligent control system framework design, phase 2
[NASA-CR-187213] 23 p3804 N91-31219

OLSASKY, MARK
Reusable rocket engine intelligent control system framework design, phase 2
[NASA-CR-187213] 23 p3804 N91-31219

OLSDER, G. J.
On the performance analysis of wavefront array processors
[REPT-90-26] 07 p1061 N91-15835
The power algorithm in max algebra
[REPT-90-78] 10 p1574 N91-18660

OLSEN, C. S.
Heat resistant materials and their feasibility issues for a space nuclear transportation system
[DE91-014071] 20 p3289 N91-28187

OLSEN, D. K.
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899

OLSEN, DONALD P.
Overview of survivability tradeoffs for selected ECCM waveforms 16 p2615 N91-24476

OLSEN, ERIK
SAW technology for multicarrier demodulation in advanced payloads 13 p2030 N91-21164

OLSEN, J. A.
Rapid thermal annealing effects in In(x)Ga(1-x)As/GaAs strained-layer superlattices
[DE91-015901] 23 p3933 N91-31978

OLSEN, K. B.
A review of fiber optic and related technologies for environmental sensing applications
[DE91-007736] 11 p1708 N91-19409

OLSEN, L.
CHARGE-2B electron gun system
[AD-A231514] 14 p2207 N91-22186

OLSEN, L. C.
GaAs solar cell photoresponse modeling using PC-1D V2.1 11 p1668 N91-19193

OLSEN, LARRY C.
GaAs solar cells for laser power beaming
22 p3635 N91-30229

OLSEN, LARRY E.
Large-scale aeroacoustic research feasibility and conceptual design of test-section inserts for the Ames 80-by 120-foot wind tunnel
[NASA-TP-3020] 11 p1791 N91-19824

OLSEN, LOLA M.
Climate data system supports FIRE
01 p0075 N91-10455
NASA's climate data system primer, version 1.2
[NASA-TM-105063] 22 p3766 N91-30995

OLSEN, R. C.
Current limiting mechanisms in electron and ion beam experiments 09 p1404 N91-17729

OLSEN, RANDALL B.
Low cost space power generation
11 p1672 N91-19212

OLSEN, ROBERT O.
A noise assessment and prediction system
08 p1217 N91-16702

OLSEN, T.
Atmospheric performance of the special-purpose Solar Energy Research Institute (SERI) thin-airfoil family: Final results
[DE90-000373] 02 p0230 N91-11287

OLSHANSKII, G. I.
Complex Lie semigroups, Hardy spaces, and the Gelfand-Gindikin program
[CWI-AM-R9020] 17 p2843 N91-25711
Twisted Yangians and infinite-dimensional classical Lie algebras
[CWI-AM-R9021] 17 p2843 N91-25712

OLSHAUSEN, BRUNO
The Cortex Transform as an image preprocessor for sparse distributed memory: An initial study
[NASA-CR-187436] 24 p4081 N91-32798

OLSON, C. G.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979

OLSON, C. L.
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919

OLSON, D. A.
Thin film reactions on alloy semiconductor substrates
[DE91-007651] 11 p1808 N91-19931
Thin film alloys on semiconductor substrates
[DE91-012355] 18 p3073 N91-26985
Heat transfer in a compact heat exchanger containing rectangular channels and using helium gas
[NASA-CR-188684] 19 p3166 N91-27506
Heat transfer and pressure drop in a compact pin-fin heat exchanger with pin orientation at 18 deg to the flow direction
[NASA-CR-186544] 21 p3516 N91-29527

OLSON, D. L.
Novel concepts in weld metal science: Role of gradients and composite structure
[DE91-009817] 14 p2248 N91-22435
The EOS TPC analysis shell
[DE91-011873] 20 p3437 N91-29073

OLSON, DAVID L.
Fundamental concepts of wettability and interfacial bond strength in aluminum matrix, SiC-reinforced composites
[AD-A225158] 03 p0335 N91-11879

OLSON, DOUGLAS A.
Heat transfer in a compact tubular heat exchanger with helium gas at 3.5 MPa
[NASA-CR-187680] 09 p1333 N91-17320

OLSON, E.
Digital frequency synthesizer for radar astronomy
[NASA-CR-187814] 07 p1081 N91-15951

OLSON, G. B.
Mechanisms of transformation toughening
[DE91-013151] 21 p3478 N91-29293

OLSON, G. L.
The role of quality assurance in the monitoring of terrestrial ecosystems
[DE90-010986] 08 p1174 N91-16461

OLSON, GREGORY B.
Control of nanostructures in ultrahigh-strength steels
[AD-A230097] 12 p1869 N91-20272
Effect of hydrogen on the electronic structure of a grain boundary in iron
[AD-A237499] 21 p3595 N91-30002

OLSON, J. M.
GaInP2/GaAs tandem cells for space applications
22 p3633 N91-30215
Radiation hardness of Ga0.5In0.5 P/GaAs tandem solar cells 22 p3638 N91-30243

OLSON, JACK R.
Air/sea temperature probe
[AD-D014674] 11 p1706 N91-19397

OLSON, KEVIN MARK
Gas dynamics in interacting and merging galaxies
03 p0437 N91-12444

OLSON, R. E.
Collisional processes of interest in MFE plasma research
[DE91-000598] 02 p0275 N91-11549
Feasibility studies for an ECR-generated plasma stripper: Preliminary
[DE91-006649] 10 p1602 N91-18835
Collisional processes of interest in MFE plasma research
[DE91-013023] 21 p3585 N91-29943

OLSON, R. J.
Analysis of southeastern Canada lake-water chemistry data in relation to acidic deposition
[DE91-014957] 20 p3371 N91-28674

OLSON, STEVE
Science, medicine and animals
[ISBN-0-309-04439-1] 13 p2125 N91-21697

OLSON, THOMAS J.
Real-time vergence control for binocular robots
[AD-A228817] 08 p1160 N91-16387

OLSON, W. L.
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981

OLSON, W. R.
Pulsed power performance of the new RLA (Recirculating Linear Accelerator)
[DE91-004723] 15 p2506 N91-23885
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333

OLSSON, MATS OLOF
Damage tolerance analysis and testing of the fighter aircraft 37 Viggen
[FFA-TN-1990-35] 05 p0622 N91-13448

OLSSON, R.
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671

OLSSON, ROBIN
Pilot study of the dynamic impact response of a composite plate
[FFA-TN-1990-27] 08 p1106 N91-16070
Contributions to the analysis of the DCB-specimen
[FFA-TN-1990-22] 13 p2101 N91-21567
Mode 1 interlaminar fracture toughness of carbon/PEEK participation in an international round robin program
[FFA-TN-1990-41] 13 p2102 N91-21570

OLSZOWKA, A. J.
Gravitational force and the cardiovascular system
17 p2819 N91-25579

OLSZYK, D.
Effects of UV-B and global climate change on Rice Research Plan
[PB91-109983] 09 p1361 N91-17478

OLTHOFF, J. K.
Metrology for space power: Metrology development and survey of space-based measurements
[PB91-107607] 09 p1300 N91-17136

OLTMAN-SHAY, JOAN M.
Directional characteristics of waves in shallow water
[AD-A234568] 18 p3017 N91-26861

OLTON, DAVID
Neural mechanisms of attention
[AD-A235003] 18 p3033 N91-26742

OM, NEANG I.
Analyses of a coproduction acquisition strategy for the Light Helicopter program (LH)
[AD-A226109] 04 p0463 N91-12588

OMAGGIO, J. P.
CIM 10-micrometers array development
[AD-A236781] 19 p3159 N91-27467

OMALLEY, G.
MTSL-005: Reliability evaluation of high pincount hermetic ceramic packages for space applications
24 p3995 N91-32328

OMALLEY, JAMES W.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32
09 p1288 N91-17081
OMALLEY, M. W.
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
Rise time and recovery of GaAs photoconductive semiconductor switches
[DE91-001267] 06 p0879 N91-14854
High power light activated semiconductor switches with sub-nanosecond rise time
[DE91-009250] 15 p2515 N91-23939
Physics and applications of the lock-on effect
[DE91-014670] 21 p3504 N91-29446
High gain photoconductive semiconductor switching
[DE91-014668] 21 p3508 N91-29478
OMALLEY, TERENCE F.
A summary of existing and planned experiment hardware for low-gravity fluids research
[NASA-TM-103706] 11 p1702 N91-19371
OMAN, C. M.
Vestibular stimulation during a simple centrifuge run
[AD-A227285] 07 p1035 N91-15678
Analysis of ocular torsion data from Space Labs D-1 and SL-1
[NASA-CR-187799] 07 p1036 N91-15682
MIT/Canadian vestibular experiments on the Spacelab-1 mission. Part 1: Sensory adaptation to weightlessness and readaptation to one-g: An overview
17 p2821 N91-25587
OMAR, HUSAM ANWAR
Construction of the 16 meter Large Lunar Telescope (LLT) 10 p1632 N91-19000
OMATETE, O. O.
Gelcasting of sub-micron alumina, sialon, and silicon nitride powders
[DE91-000618] 08 p1118 N91-16145
Gelcast zirconia-alumina composites
[DE91-007835] 11 p1676 N91-19239
Gelcast reaction-bonded silicon nitride composites
[DE91-009134] 14 p2251 N91-22457
Drying of gelcast ceramics
[DE91-012955] 20 p3325 N91-28413
OMATHUNA, C.
MTSL-005: Reliability evaluation of high pincount hermetic ceramic packages for space applications
24 p3995 N91-32328
OMELLAS, D. L.
Understanding composite explosive energetics
[DE91-015770] 23 p3821 N91-31316
OMIDI, N.
Electromagnetic ion/ion cyclotron instability
[DE91-004841] 11 p1797 N91-19860
Hybrid codes: Methods and applications
[DE91-009959] 14 p2258 N91-22493
OMODA, KOICHIRO
CFD simulation on a massively parallel processor
13 p2068 N91-21387
OMONT, A.
Angular motion of a PAH molecule in interstellar environment 06 p0894 N91-14938
The 1.3 mm continuum emission from circumstellar envelopes 13 p2175 N91-22007
OMUIRCHEARTAIGH, I. G.
Latent factor models and analyses for operator response times
[AD-A229675] 12 p1933 N91-20638
Regression analysis of hierarchical poisson-like event rate data: Super-population model effect on predictions
[AD-A230297] 12 p1973 N91-20855
ONAKA, TAKASHI
High-spectral resolution observations of the 3.29 micron emission feature: Comparison to QCC and PAHs
06 p0891 N91-14925
Dust formation around M-type stars
06 p0909 N91-15017
ONAT, E. T.
Materials with periodic internal structure: Computation based on homogenization and comparison with experiment
[NASA-CR-185303] 03 p0379 N91-12117
On representation of mechanical behavior and stereological measures of microstructure
[NASA-CR-187130] 17 p2790 N91-25438
ONEAL, MARK
Contact-impact algorithms for penetration studies
[AD-A231049] 14 p2304 N91-22733
ONEAL, MELVIN R.
Effect of aircraft cabin altitude and humidity on oxygen tension under soft and hard gas-permeable contact lenses 17 p2826 N91-25614
ONEAL, MICHAEL
Spacecraft crew procedures from paper to computers
12 p1948 N91-20719
ONEALE, S. W.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845
ONEIL, D. J.
Effects of high-intensity solar radiation on carbon fibers
[DE91-015485] 21 p3471 N91-29252
ONEIL, HAROLD F., JR.
Human benchmarking of expert systems
[AD-A233601] 16 p2665 N91-24742
Human benchmarking of expert systems. Literature review
[AD-A233602] 16 p2665 N91-24743
Perspectives on technology assessment
[AD-A232918] 16 p2700 N91-24953
Proceedings of the Conference on Technology Assessment: Estimating the Future
[AD-A233528] 16 p2700 N91-24954
Measurement expert system effectiveness
[AD-A234359] 18 p3044 N91-26807
Evaluation of expert systems: A review of the literature
[AD-A234360] 18 p3044 N91-26808
Design of an instructional strategy to teach visualization in an advection context in intelligent computer-assisted instruction
[AD-A235942] 22 p3726 N91-30735
ONEIL, M. P.
Efficient photoinduced charge separation and storage in the solid state, rates, energetics, and spin-polarization
[DE91-010727] 18 p3073 N91-26980
Photoinduced charge separation and recombination: The influence of medium on rates and energetics
[DE91-010267] 19 p3240 N91-27920
ONEIL, T. M.
Pure electron plasmas near thermal equilibrium
[AD-A230627] 12 p1983 N91-20910
ONEILL, B.
Temperature compensation of PMOS dosimeters
24 p3996 N91-32336
ONEILL, MARK J.
Tandem concentrator solar cells with 30 percent (AMO) power conversion efficiency 11 p1667 N91-19189
Mini-dome Fresnel lens photovoltaic concentrator development 11 p1673 N91-19219
Key results of the mini-dome Fresnel lens concentrator array development program under recently completed NASA and SDIO SBIR projects
22 p3634 N91-30223
ONEILL, P. J.
Identification of flow and volume parameters in multizone systems using a single gas tracer technique
[DE91-006894] 11 p1701 N91-19368
ONEILL, ROBERT V.
Potential responses of landscape boundaries to global environmental change
[DE90-008568] 08 p1172 N91-16451
Monitoring challenges and innovative ideas
[DE91-000586] 08 p1174 N91-16465
ONERMARS, MARK H.
Finding shortest paths in the presence of orthogonal obstacles using a combined L sub 1 and link metric
[RUU-CS-90-20] 06 p0864 N91-14777
ONG, CHING CHO
Free wake analysis of hover performance using a new influence coefficient method
[NASA-CR-4309] 11 p1641 N91-19050
ONG, E. T.
Development of composite latent/sensible heat storage media
[DE91-005636] 10 p1541 N91-18482
ONG, HOO DENNIS
Control strategies of robotic and neuromuscular bipeds 16 p2674 N91-24802
ONGSTAD, ANDREW P.
Chemiluminescent reactions of group 6 atoms (O(P-3)) and Se(P-3) with azide radicals
[AD-A226872] 07 p0975 N91-15351
ONIEL, D.
Analytical and experimental evaluation of joining silicon nitride to metal and silicon carbide to metal for advanced heat engine applications
[DE91-000535] 04 p0532 N91-12952
ONIGATA, TOSHIO
DCP subsystem 01 p0059 N91-10352
ONISHCHENKO, O. G.
On the theory of large-scale micropulse structure of pulsar radio radiation 06 p0922 N91-15092
ONKEN, R.
Knowledge-based cockpit assistant for IFR operations
17 p2732 N91-25125
ONLEY, D. S.
Theory of photon and electron induced reactions
[DE91-008993] 13 p2149 N91-21842
ONNEWEER, SIEP
CMOS multiple-valued logic circuits
[ISBN-90-9002692-4] 03 p0360 N91-12014
ONNO, T.
Evaluation of a pre-production version of Canadian Marconi CMA-786 GPS receiver
[NAE-LTR-FR-106] 21 p3454 N91-29158
ONO, FUMIEI
Hot gas side heat transfer characteristics of LOX/H2 and LOX/HC type propellants
[NAL-TR-1062T] 01 p0032 N91-10190
ONO, KOICHI
Axial compression buckling test on CFRP surface plate/aluminum honeycomb sandwiched curved surface plate
[NAL-TM-584] 01 p0050 N91-10299
ONOFRI, M.
Reacting shock waves in hypersonic propulsion applications 15 p2380 N91-23174
ONOFRIO, R.
Generalized back-action evasion schemes for the detection of weak classical forces
[IFSI-90-19] 02 p0269 N91-11508
ONSTOTT, ROBERT G.
Clutter modeling of the Denver Airport and surrounding areas 16 p2553 N91-24152
Synthetic aperture radar imagery of airports and surrounding areas: Study of clutter at grazing angles and their polarimetric properties
[NASA-CR-4398] 24 p3952 N91-32088
ONSTOTT, T. C.
Magnetostratigraphy of the San Francisco volcanic field, Arizona
[PB91-190306] 22 p3706 N91-30629
ONTIVEROS, C.
Localized corrosion of high performance metal alloys in an acid/salt environment 15 p2539 N91-24066
ONTIVEROS, CORDELIA
Evaluation of candidate alloys for the construction of metal flex hoses in the STS launch environment
[NASA-TM-103808] 01 p0026 N91-10157
ONYSZCHUK, I.
Compressed/reconstructed test images for CRAF/Cassini 10 p1511 N91-18316
ONYSZCHUK, I. M.
Coding gains and error rates from the Big Viterbi Decoder 24 p3985 N91-32264
Testing interconnected VLSI circuits in the Big Viterbi Decoder 24 p3985 N91-32265
OOLMAN, LARRY DAVID
A numerical study of precipitation processes in stable orographic storms 03 p0391 N91-12180
OONA, H.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955
OOSAWA, KAZUHIRO
Brightness temperature distribution
01 p0061 N91-10369
GPCP data processing 01 p0062 N91-10370
Cloud amount distribution 01 p0062 N91-10373
OOSTENS, J.
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
OOSTERHOUT, H.
New lower and upper bounds for scheduling around a small common due date
[CWI-BS-R9030] 17 p2850 N91-25754
OOSTERLOO, T.
Hidden interaction in SBO galaxies
08 p1249 N91-16880
OOSTERVELD, W. J.
Assessment of drug effectiveness
24 p4075 N91-32768
OOSTERVELD, WILHELMUS J.
Vestibular function in altered states of gravity
11 p1742 N91-19579
Pupil size in parabolic flight 11 p1762 N91-19693
OPAL, C. B.
The near ultraviolet spectra of comets P/Brorsen-Metcalf and Austin 12 p2003 N91-21022

OPALKA, KLAUS O.
Large blast and thermal simulator advanced concept driver design by computational fluid dynamics
[AD-A211364] 01 p0039 N91-10230
Optical studies of the flow start-up processes in four convergent-divergent nozzles
[AD-A234552] 18 p2983 N91-26473
OPDENAKKER, RIEKS
Linear data structures for storage allocation in attribute evaluators
[MEMO-INF-91-14] 22 p3724 N91-30723
Recognition methods for context-free languages
[MEMO-INF-91-30] 22 p3736 N91-30808
The hierarchy of LR-attributed grammars
[MEMO-INF-91-26] 23 p3912 N91-31840
Attribute evaluation and parsing
[MEMO-INF-91-31] 23 p3912 N91-31841
OPLINGER, DONALD W.
A layered beam theory for single lap joints
[AD-A237324] 21 p3529 N91-29607
OPPELT, J. B.
An experimental evaluation of combustor liner materials for solid fuel ramjet testing 16 p2578 N91-24289
OPPENHEIM, A. K.
Performance of multiple stream pulsed jet combustion systems
[DE91-012338] 21 p3473 N91-29259
A methodology for inhibiting the formation of pollutants in diesel engines
[DE90-011615] 21 p3526 N91-29584
Thermodynamics of combustion in an enclosure
[DE91-016430] 24 p4113 N91-32992
OPPENHEIM, ALAN
Numerical and symbolic signal representation and processing
[AD-A235621] 19 p3150 N91-27408
OPSTAD, AASE M.
Development of procedures for verification of alleged use of chemical warfare agents: Application of procedures after a simulated attack on an air base
[FFI-91/6006] 24 p3963 N91-32148
ORALTAY, RIZA GURCAN
Growth, evaporation and melting of ice crystals: Implications for radiation, atmospheric dynamics and particle scavenging 18 p3008 N91-26611
ORAM, C. E.
Aerodynamic surface pressure measurement in atmosphere and wind tunnel on a vertical axis wind turbine blade using pressure transducers 08 p1089 N91-15980
ORAM, TIMOTHY D.
The spatial variations of lightning during small Florida thunderstorms 24 p4065 N91-32711
ORAN, ELAINE S.
A study of confined diffusion flames
[AD-A226552] 05 p0634 N91-13512
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
Dynamics of an unsteady diffusion flame: Effects of heat release and gravity
[AD-A227348] 06 p0805 N91-14447
A one-dimensional flux-corrected transport code for detonation calculations
[MRL-RR-2-90] 14 p2261 N91-22510
ORANGE, THOMAS W.
Analysis of some compliance calibration data for chevron-notch bar and rod specimens
[NASA-TM-104367] 14 p2277 N91-22594
ORAVA, FREDRIK
Refining interfaces of communicating systems
[MEMO-INF-91-19] 23 p3855 N91-31493
ORBACH, DROR
TUSK (Tel-Aviv University System Kernel): An asynchronous message passing executive
[ITN-90-85029] 07 p1039 N91-15702
ORCUTT, JOHN A.
Very low frequency seismo-acoustic scattering from a rough seafloor
[AD-A227947] 11 p1739 N91-19564
ORD, R. NEIL
Space aging of solid rocket materials 16 p2719 N91-25058
ORDWAY, WAYNE L.
Shuttle derived manned transportation systems 20 p3292 N91-28204
Heavy-lift launch vehicle propulsion considerations 20 p3297 N91-28236
OREG, J.
Calculation of emission and absorption spectra of LTE plasma by the STA (Super Transition Array) method
[DE91-007617] 11 p1803 N91-19900
OREHOTSKY, J.
Microstructures and dc critical currents in textured Y-Ba-Cu-oxides
[DE91-000895] 08 p1234 N91-16803
Textured growth processing of HTSC in the Y-Ba-Cu-O
[DE91-010367] 17 p2871 N91-25879
OREILLY, F. J.
On combining independent significance tests
[AD-A239660] 23 p3923 N91-31920
OREILLY, MICHAEL
LBR-2 Earth stations for the ACTS program 03 p0353 N91-11971
OREM, R. M.
The Magsat bibliography. Revision 1
[NASA-TM-104534] 12 p1924 N91-20586
OREN, J.
Thermal design and control of space simulation chambers in Israel 07 p0951 N91-15227
ORENBERG, J. B.
Reflectance spectroscopy of palagonite and iron-rich montmorillonite clay mixtures: Implications for the surface composition of Mars 18 p3088 N91-27075
Derivation of mid-infrared (5-25 microns) optical constants of some silicates and palagonite 18 p3088 N91-27077
ORENBERG, JAMES
The spectroscopic, chemical, and photophysical properties of Martian soils and their analogs (MERC, phase 2)
[NASA-CR-187898] 09 p1449 N91-17993
ORENDORF, CONNIE R.
European science notes information bulletin reports on current European/Middle Eastern science
[AD-A236072] 19 p3277 N91-28129
OREY, MICHAEL A.
High bandwidth diagnosis within the framework of a microcomputer-based intelligent tutoring system
[AD-A237959] 21 p3563 N91-29805
ORFORD, G. R.
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
ORGAD, YAAKOV
JND measurements of the speech formants parameters and its implication in the LPC pole quantization
[ITN-90-85063] 07 p1062 N91-15840
ORIENT, OTTO J.
Surface modification using low energy ground state ion beams
[NASA-CASE-NPO-17498-1-CU] 06 p0871 N91-14813
ORIOLPIBERNAT, EVANGELINA
The ERS-1 and the Polar Platform: Present and future of the observation of the Earth and the European Space Agency 07 p0948 N91-15201
ORISHICH, A. M.
Laboratory simulation of the astrophysical burst processes in non-uniform magnetised media 06 p0920 N91-15081
Laboratory and computer simulations of wave generation processes in non-stationary astrophysical phenomena 06 p0920 N91-15082
ORKWIS, PAUL D.
Graduate fellowship in hypersonics
[AD-A231263] 13 p2083 N91-21478
ORLANDO, R.
Microgravity tests on Spacelab water and freon pumps 07 p0959 N91-15275
ORLETSKI, DIRK
High temperature NASP engine seal development
[NASA-TM-103716] 11 p1715 N91-19441
ORLOFF, TOBIAS
A parallel rendering algorithm for MIMD architectures
[NASA-CR-187571] 18 p3038 N91-26767
ORLOV, V. V.
Influence of dissipative processes on the resonances in planetary systems 10 p1620 N91-18937
ORLOV, VICTOR V.
Dynamics and configurations of galaxy triplets 08 p1261 N91-16946
Viral coefficient and hidden mass in the galaxy groups 08 p1262 N91-16950
ORLOWSKA, A. H.
Miniature closed cycle refrigerators 05 p0723 N91-14035
ORMAN, J. L.
Analyzing product test data in a relational database using SAS software
[DE91-007734] 11 p1813 N91-19960
Analyzing product test data in an INGRES database using SAS software
[DE91-008251] 11 p1814 N91-19965
ORMEROD, A. O.
Steady-state experiments for measurements of aerodynamic stability derivatives of a high incidence research model using the College of Aeronautics whirling arm
[CRANFIELD-AERO-9014] 12 p1844 N91-20137
ORNELLAS, D. L.
The effects of HMX particle size and binder stiffness on the burning mechanism and regression rate of a series of fast burning propellants
[DE91-015785] 21 p3494 N91-29387
ORNELLAS, DON L.
Understanding composite explosive energetics. Part 1: The role of metallic additives
[DE90-010692] 10 p1505 N91-18286
ORNSTEIN, R. L.
Modeling molecular processes in the environment
[DE91-013790] 20 p3370 N91-28671
OROFINO, V.
Laboratory spectra of amorphous and crystalline olivine: An application to comet Halley IR spectrum
[DE91-002307] 05 p0768 N91-14264
OROFINO, VINCENSO
Raman properties of various carbonaceous materials and their astrophysical implications 06 p0893 N91-14933
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
Experimental evidence for amorphous carbon grains in comets 06 p0907 N91-15008
IR emission from circumstellar envelopes of C-rich stars 06 p0909 N91-15019
OROSZ, JEROME A.
A solar constant model for sun-climate studies: 1600-2000AD 03 p0444 N91-12481
OROUKE, M. K.
Prediction and control of chaotic processes using nonlinear adaptive networks
[DE90-016505] 01 p0118 N91-10697
OROURKE, M. K.
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
Applications of neural networks to process control and modeling
[DE91-007389] 15 p2489 N91-23784
Using CNLS-NET (connectionist normalized local spline-network) to predict the Mackey-Glass chaotic time series
[DE91-007478] 19 p3257 N91-28016
OROURKE, MATTHEW
Technology needs for high-speed rotorcraft
[NASA-CR-177578] 15 p2374 N91-23136
ORR, E.
Time-dependent multimode simulation of gyrotron oscillators
[AD-A229861] 11 p1709 N91-19413
ORR, JOHN L.
Investigation of effects of 60-Hz electric and magnetic fields on operant and social behavior and on the neuroendocrine system of nonhuman primates
[DE90-010809] 08 p1189 N91-16537
Investigation of effects of 60-Hz electric and magnetic fields on operant and social behavior and on the neuroendocrine system of nonhuman primates
[DE90-011557] 08 p1189 N91-16539
ORRHEDE, ANNA KARIN
North Atlantic weather regimes: A synoptic study of phase space
[NASA-CR-188162] 13 p2121 N91-21673
ORRINGER, OSCAR
Evaluation of the concept of pressure proof testing fuselage structures
[DOT/FAA/CT-TN91/31] 19 p3105 N91-27155
ORS, HALUK
On the well-posedness of the initial value problem in elasto-plastodynamics 10 p1534 N91-18444
ORSAK, DEBRA
ATLS: Catheter and tube placement 24 p4078 N91-32782
ATLS-stowage and deployment testing of medical supplies and pharmaceuticals 24 p4079 N91-32785
ORSINI, S.
Ion dynamics in the plasma mantle
[IFSI-89-20] 02 p0276 N91-11550
ORSZAG, S. A.
Development of turbulence models for shear flows by a double expansion technique
[NASA-CR-187611] 22 p3676 N91-30466
ORSZAG, STEVEN A.
Numerical studies of the structure of turbulent shear flow
[AD-A228747] 09 p1332 N91-17318
ORTEGA, A. R.
A two-dimensional thermomechanical simulation of a gas metal arc welding process
[DE91-000489] 04 p0532 N91-12951
ORTEGA, J. P.
X ray-computed tomography for inspecting industrial parts
[DE91-011390] 18 p2997 N91-26554

ORTEGA, R.
Cold plasma processing of local planetary ores for oxygen and metallurgically important metals
16 p2593 N91-24369
Cold plasma processing of local planetary ores for oxygen and metallurgically important metals
17 p2751 N91-25225
ORTGIES, KELLY R.
Convective response of a wall-mounted hot-film sensor in a shock tube
12 p1900 N91-20451
ORTH, CHARLES D.
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010200] 08 p1169 N91-16437
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010332] 08 p1226 N91-16759
ORTIZ, GERARDO G.
A cooled 1- to 2-GHz balanced HEMT amplifier
24 p3984 N91-32254
Performance of a high T(sub c) superconducting ultra-low loss microwave stripline filter
24 p3984 N91-32255
ORTIZ, M.
Three dimensional analysis of crack trapping and bridging by tough particles
[AD-A235591] 19 p3138 N91-27339
ORTIZ, VANESSA
Physiological responses to prolonged bed rest in humans: A compendium of research, 1981-1988
[NASA-TM-102249] 05 p0694 N91-13862
ORTMAN, BRYAN J.
Matrix isolation as a tool for studying interstellar chemical reactions
06 p0897 N91-14956
ORVILLE, HAROLD D.
A cloud, precipitation and electrification modeling effort for COHMEX
[NASA-CR-188679] 19 p3204 N91-27711
ORWOLL, ROBERT A.
Additives to reduce susceptibility of thermosets and thermoplastics to erosion from atomic oxygen
04 p0598 N91-13334
The effects of the interaction of polymeric materials with the space environment
[NASA-CR-188659] 19 p3137 N91-27331
ORY, H. A.
Suggested modifications to optical sensor algorithms in JANUS
[AD-A235592] 19 p3219 N91-27791
ORZECHOWSKI, T. J.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
Intense microwave generation using free-electron lasers
[DE91-007262] 11 p1710 N91-19417
ORZESZKO, S.
Diamondlike carbon applications in infrared optics and microelectronics
10 p1510 N91-18306
OSBORN, D. E.
Innovative techniques for the production of energetic radicals for lunar materials processing including photogeneration via concentrated solar energy
16 p2593 N91-24370
Innovative techniques for the production of energetic radicals for lunar materials processing including photogeneration via concentrated solar energy
17 p2752 N91-25233
OSBORNE-LEE, A. E.
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544
OSBORNE, ERIC P.
Laser optical disk position encoder with active heads
[NASA-CASE-GSC-13175-1] 05 p0717 N91-14001
Laser optical disk position encoder with active heads
15 p2541 N91-24079
OSBORNE, T.
Comparison of dimensionally similar discharges with similar heat deposition discharges
[DE91-011740] 18 p3066 N91-26938
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
OSBORNE, T. H.
Dependence of the DIII-D beta limit on the current profile
[DE91-011140] 17 p2867 N91-25860
OSBORNE, VAN N.
Quantization noise characteristics resulting from Gaussian, negative-exponential, and sinusoidal random input signals
[AD-A230664] 12 p1887 N91-20377
OSCARSSON, TORD E.
A combined wave distribution function and stability analysis of Viking particle and low-frequency wave data
[IRF-PREPRINT-115] 02 p0274 N91-11541
OSGOOD, R.
Interfacial and thin film chemistry in electron device fabrication
[AD-A229609] 22 p3667 N91-30416
OSGOOD, R. M., JR.
Photogenerated carrier-induced reactions on semiconductor surfaces
[DE91-017550] 24 p4009 N91-32416
OSGOOD, RICHARD M., JR.
Photogenerated carrier-induced reaction on semiconductor surfaces
[DE91-001349] 06 p0883 N91-14878
OSHEA, P. G.
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
The Los Alamos photoinjector-driven free-electron laser
[DE91-017824] 24 p4025 N91-32492
OSHEA, PATRICK G.
A linear accelerator in the space: The beam experiment aboard rocket
[DE91-002347] 05 p0715 N91-13988
OSHER, J. E.
Application of Fabry-Perot velocimetry to hypervelocity impact experiments
[DE90-015612] 01 p0015 N91-10096
OSHER, STANLEY
High-order ENO schemes applied to two- and three-dimensional compressible flow
[NASA-CR-187562] 16 p2549 N91-24126
OSHIMA, K.
The Proceedings of the Symposium on Mechanics for Space Flight 1989
[ISAS-SP-12] 08 p1139 N91-16266
Numerical simulation of a complicated transition-breakdown of vortical flows inside a circular pipe
08 p1140 N91-16273
OSHIMA, S.
Development of a two-phase cold plate
08 p1140 N91-16277
OSIF, T. L.
Solid-state proton conductors
[DE91-002050] 18 p3071 N91-26970
OSIP, DAVID J.
Photometric narrowband CCD imaging of comets P/Brorsen-Metcalf and Austin (1989c1)
12 p2001 N91-21014
The 15 years of comet photometry: A comparative analysis of 80 comets
17 p2896 N91-26004
OSIROFF, RICARDO
Damorheology: Creep-fatigue interaction in composite materials
10 p1493 N91-18217
OSKAM, JOHN H.
Living ring-opening metathesis polymerization of 7-oxa-2,3-difunctionalized norbornenes and norbornadienes by Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (O-t-Bu)2 and Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (OCMe2CF3)2
[AD-A235235] 18 p2965 N91-26365
OSMAN, R.
Molecular mechanisms in radiation damage to DNA
[DE91-010922] 17 p2817 N91-25568
OSMINKIN, E. YU.
The optical observations of x ray Nova GS2023+33 = V404 Cyg
06 p0923 N91-15103
OSMINKINA, O. A.
The optical observations of x ray Nova GS2023+33 = V404 Cyg
06 p0923 N91-15103
OSMOND, C. B.
Stable isotope fractionation in photosynthesis: Analysis of autotrophic competence following transformation of the chloroplast genome of Chlamydomonas
[DE91-015792] 21 p3548 N91-29713
OSOFSKY, IRVING B.
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 1: Real-time flight experiment support
[NASA-CR-179449] 16 p2559 N91-24193
OSSAKOW, S. L.
Plasma instabilities in the high and low latitude E-region induced by high power radio waves
[AD-A226617] 04 p0586 N91-13271
OSSAKOW, SIDNEY L.
Theory of large-scale HF heating processes in the unstructured and structured ionosphere
10 p1548 N91-18516
OSSARD, G.
Detection of loss of consciousness in flight by Doppler method
08 p1193 N91-16555
OSSEN, ARNFRIED
Modularization and interpretability of neural nets
[ETN-90-98187] 04 p0571 N91-13168
OSTASZEWSKI, MIROSLAW A.
Pointing/roll mechanism for the ultraviolet coronagraph spectrometer
16 p2640 N91-24610
OSTDIEK, ANN R.
On the developmental dynamics of sudden stratospheric warmings
[AD-A227731] 08 p1178 N91-16485
OSTER, YALE
Low-cost, high-resolution telescopes for imaging low-earth orbit satellites
[DE90-012081] 08 p1243 N91-16850
OSTERGAARD, JENS
Meteor scatter communication between Thule and Station Nord, Greenland
[AD-A234440] 18 p2975 N91-26424
OSTERGAARD, JENS C.
A high resolution statistical characterization of fading on meteor communication channels
[AD-A235548] 19 p3149 N91-27407
OSTERHELD, A. L.
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
A calculation of gain in Ne-like Ag soft x ray lasers
[DE91-009758] 14 p2270 N91-22559
Analysis of time- and space-resolved Na-, Ne-, and F-like emission from a laser-produced bromine plasma
[DE91-011523] 17 p2869 N91-25871
OSTERMAN, DAVID
SQUID amplifiers for infrared detectors and other applications
[AD-A230247] 12 p1892 N91-20402
OSTERTAG, H.-J.
Propagation studies of a 60 GHz communication system
22 p3660 N91-30375
OSTERWALD, C. R.
Monolithic InP/Ga0.47In0.53As tandem solar cells for space
22 p3633 N91-30219
OSTERWISCH, FREDERICK G.
Development of a portable multispectral thermal infrared camera
[NASA-CR-188204] 16 p2629 N91-24557
OSTHEIMER, GERALD
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858
OSTIC, J.
Integrated Numerical Experiments (INEX) and the Free-Electron Laser Physical Process Code (FELPPC)
[DE90-011957] 08 p1152 N91-16348
OSTOWARI, C.
Horizontal axis wind turbine post stall airfoil characteristics synthesization
[DE91-002198] 21 p3536 N91-29650
OSTRIKER, JEREMIAH P.
Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017
Policy opportunities
24 p4120 N91-33029
OSTROFF, AARON J.
Candidate control design metrics for an agile fighter
[NASA-TM-4238] 10 p1473 N91-18115
OSTROM, R.
Scanning tunneling microscopy studies of the surfaces of a-Si:H and a-SiGe:H films
[DE91-002169] 21 p3592 N91-29983
OSTROUCHOV, L. S.
Modeling speedup in parallel sparse matrix factorization
[DE91-010215] 15 p2482 N91-23735
OSUCHA, D. C.
Preparation of biliquid foam compositions
[DE91-006740] 16 p2612 N91-24461
OSULLIVAN, D.
The LDEF ultra heavy cosmic ray experiment
16 p2709 N91-24994
Particulate impacts on the UHCRE cosmic ray experiment teflon covers: The ESA programme
16 p2711 N91-25004
OSULLIVAN, M.
Temperature compensation of PMOS dosimeters
24 p3996 N91-32336

OSULLIVAN, W. J.
Studies of melting, crystallization, and commensurate-incommensurate transitions in two dimensions
[DE91-007567] 10 p1497 N91-18241
OSWALD, FRED B.
Comparison of analysis and experiment for dynamics of low-contact-ratio spur gears
[NASA-TM-103232] 14 p2271 N91-22566
Contact stresses in gear teeth: A new method of analysis
[NASA-TM-104397] 14 p2272 N91-22570
Analytical and experimental study of vibrations in a gear transmission
[NASA-TM-104434] 17 p2782 N91-25395
Acoustical analysis of gear housing vibration
[NASA-TM-103691] 17 p2785 N91-25411
Dynamic measurements of gear tooth friction and load
[NASA-TM-103281] 19 p3178 N91-27570
OSWALT, T. D.
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A
09 p1442 N91-17949
OTA, MASAHIRO
On the parallel processing of Direct Simulation Monte Carlo method 24 p3943 N91-32037
OTAKE, K.
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
OTAKE, KUNIHIKO
Axial compression buckling test on CFRP surface plate/aluminum honeycomb sandwiched curved surface plate
[NAL-TM-584] 01 p0050 N91-10299
OTAOLA, J. A.
Space physics research in Mexico
07 p0948 N91-15205
OTHMER, PETER
Detonation duct gas generator demonstration program
[NASA-CR-187137] 19 p3106 N91-27163
OTOSHI, T. Y.
A portable Ka-band front-end test package for beam-waveguide antenna performance evaluation. Part 1: Design and ground tests 24 p3986 N91-32269
A portable Ka-band front-end test package for beam-waveguide antenna performance evaluation. Part 2: Tests on the antenna 24 p3986 N91-32270
Efficiency calibration of the DSS 13 34-meter diameter beam waveguide antenna at 8.45 and 32 GHz
24 p3986 N91-32271
OTOUSA, JOSEPH E.
Metal etching composition
[NASA-CASE-MFS-29576-1] 07 p0978 N91-15368
OTSU, M.
Wavelength control of visible light laser diodes
[DE91-736784] 09 p1342 N91-17369
OTT, E.
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
OTT, H. R.
Connections between magnetism and superconductivity in UBe13 doped with thorium or boron
[DE91-011416] 17 p2873 N91-25894
OTT, KEVIN C.
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867
OTT, W.
Total human exposure and indoor air quality: An automated bibliography (BLIS) with summary abstracts, volume 2
[PB91-137281] 19 p3210 N91-27743
OTTAVIANI, M.
Ion temperature gradient turbulence and coherent structures 20 p3408 N91-28890
OTTEN, D. B. M.
On the role of delegation and inheritance in object-oriented database systems
[CWI-CS-R9032] 10 p1573 N91-18655
OTTEN, DAAN B. M.
Retrospective creation of virtual alternative hierarchies
[CWI-CS-R9051] 17 p2834 N91-25659
OTTENBRITE, RAPHAEL M.
Preparation of polyimides from bis(N-isoprenyl)s of aryl diamides
[NASA-CASE-LAR-14330-1-CU]
05 p0642 N91-13560
Bis (4-(3,4-dimethylene-pyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-2-CU]
06 p0801 N91-14418
OTTO, A.
Three-dimensional magnetic reconnection at the Earth's magnetopause 06 p0917 N91-15059
OTTO, DIETER
Equipment and methods employed for calibration of the sensors and measurement lines in the ATTAS flight test platform
[ESA-TT-1208] 03 p0369 N91-12069
OTTO, G.
Fourth Summer School on Microgravity: Conference summaries and forum lectures
[IB-333-90/10] 14 p2332 N91-22883
User support and ground support program, with the example of EURECA 14 p2333 N91-22895
OTTO, J.
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525
Preparation of damage resistant optical coatings on flat substrates
[DE91-013588] 21 p3580 N91-29916
OTU, JOSEPH OBI
Gravitational influence of a static ring-like distribution of mass on electromagnetic waves
20 p3336 N91-28472
OU, S. C.
Development and verification of a physical cloud-moisture model for use in general circulation models
[AD-A234751] 18 p3014 N91-26643
OU, YUH-ROUNG
Development of the wake behind a circular cylinder impulsively started into rotatory and rectilinear motion: Intermediate rotation rates
[NASA-CR-187512] 10 p1462 N91-18063
Optimal control of lift/drag ratios on a rotating cylinder
[NASA-CR-187586] 19 p3163 N91-27490
Control of oscillatory forces on a circular cylinder by rotation
[NASA-CR-187619] 23 p3868 N91-31576
OUAZZANI, J.
A Fourier-Chebyshev pseudospectral method for solving steady 3-D Navier-Stokes equations in cylindrical cavities 14 p2265 N91-22533
OUELLETTE, CHRISTIAN
Low temperature environment operations of turbo engines 23 p3792 N91-31146
OUELLETTE, R. J.
Manual fire suppression methods on typical machinery space spray fires
[AD-A225311] 03 p0349 N91-11950
OUROUA, A.
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
OUT, D. J.
Abstraction in AI: A study of relevant literature in the context of model-based diagnosis
[MEMO-INF-91-07] 22 p3742 N91-30852
OUTLAW, RONALD A.
Surface effects on hydrogen permeation through Ti-14Al-21Nb alloy
[NASA-TP-3109] 12 p1868 N91-20266
OUTTEN, C. A.
Characterization of electron cyclotron resonance hydrogen plasmas
[DE91-001250] 06 p0876 N91-14844
The ECR-plasma deposition of silicon nitride on a tunnel oxide
[DE91-014665] 20 p3434 N91-29051
OUYANG, JIANGBO
Tetra neopentoxy phthalo cyanine Langmuir-Blodgett films: Spectroscopy at the air/water interface
[AD-A234603] 18 p2947 N91-26261
OUZTS, PETER
A linear control design structure to maintain loop properties during limit operation in a multi-nozzle turbofan engine
[NASA-TM-105163] 21 p3460 N91-29188
OUZTS, PETER J.
An AD100 implementation of a real-time STOVL aircraft propulsion system
[NASA-TM-103683] 05 p0623 N91-13457
IMPAC: An Integrated Methodology for Propulsion and Airframe Control
[NASA-TM-103805] 12 p1841 N91-20122
Integrated flight/propulsion control design for a STOVL aircraft using H-infinity control design techniques
[NASA-TM-104340] 13 p2025 N91-21140
OVACIK, L.
Use of electrical impedance imaging in two-phase, gas-liquid flows
[DE91-015914] 21 p3517 N91-29531
OVCHARENKO, S. I.
Constructing mathematical model of adaptive anti-flutter system 11 p1788 N91-19810
OVERBEEK, P. L.
OSI-security and relations with other security standards
[FEL-91-B099] 23 p3916 N91-31872
Information security: Past, present and future
[FEL-91-B100] 23 p3916 N91-31873
OVERBEEK, R.
Automated reasoning contributes to mathematics and logic
[DE91-014005] 20 p3387 N91-28765
OVERBEEK, ROSS
A tutorial on the construction of high-performance resolution/paramodulation systems
[DE91-001096] 05 p0707 N91-13942
Bilingual parallel programming
[DE91-006030] 09 p1389 N91-17638
OVERBURY, S. H.
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
OVERCASH, DAN R.
A survey of techniques for refrigeration, reliquefaction, and production of slush for hydrogen
10 p1632 N91-19001
OVERDIJK, D. A.
Skew-symmetric matrices and the Euler equations of rotational motion for rigid systems
[MEMO-COSOR-90-27] 07 p1058 N91-15815
Geometrical aspects of the production of toothed disks
[MEMO-COSOR-90-02] 08 p1124 N91-16178
OVERDUIN, R.
A design method for an X-band diplexer
[FEL-90-B176] 05 p0654 N91-13635
OVERFELT, P. L.
Effect of cladding thickness on attenuation in uniformly curved single-mode optical fibers
[AD-A238034] 21 p3582 N91-29928
OVERHAMM, MICHAEL
Performance tests on Ge:Ga and Ge:Be detectors for the ISO long wavelength spectrometer
13 p2180 N91-22045
OVERMAN, ANDREA L.
Mapping implicit spectral methods to distributed memory architectures
[NASA-CR-187592] 20 p3393 N91-28806
Gigaflop performance on a CRAY-2: Multitasking a computational fluid dynamics application
[NASA-TM-4305] 24 p4088 N91-32841
OVERMARS, MARK H.
Hidden surface removal for axis-parallel polyhedra
[RUU-CS-90-21] 06 p0858 N91-14736
Hidden surface removal for c-oriented polyhedra
[RUU-CS-90-33] 23 p3920 N91-31899
Union-copy structures and dynamic segment trees
[RUU-CS-91-05] 23 p3921 N91-31903
OVERMYER, D. L.
Thermal desorption studies of isotopically-labeled oxygen-induced superconductivity in La2CuO(4+delta)
[DE91-004898] 08 p1236 N91-16812
OVERSLUIZEN, T.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
OVERTON, E.
Electrical characterization of glass, teflon, and tantalum capacitors at high temperatures
[NASA-TM-104517] 19 p3156 N91-27444
OVERTON, ERIC
High temperature power electronics for space
[NASA-TM-104375] 14 p2261 N91-22508
OVERTON, JOHN H.
Ozone dosimetry predictions for humans and rats
[PB91-113852] 09 p1361 N91-17479
OVERTON, W. SCOTT
National stream survey database guide
[PB91-141804] 15 p2459 N91-23625
OVESEN, B.
Psychological and sociological aspects of the entrance of female aircrew to the Norwegian airforce
02 p0245 N91-11365
OVREBO, GREGORY K.
Electron-beam-pinch experiment at Harry Diamond Laboratories: Providing for a high-dose-rate flash x ray facility for Transient Radiation Effects on Electronics (TREE) testing of pieceparts
[AD-A239558] 23 p3799 N91-31193
OVSYANNIKOV, A. V.
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-006] 01 p0098 N91-10571
OWANO, T. G.
Diamond synthesis in a 50 kW inductively coupled atmospheric pressure plasma torch
[AD-A227563] 07 p0985 N91-15405

OWECHKO, YURI
Real-time implementation of nonlinear optical data processing functions
[AD-A233521] 16 p2691 N91-24899
OWEN, ALBERT K.
Effects of inlet distortion on the development of secondary flows in a subsonic axial inlet compressor rotor
[NASA-TM-104356] 15 p2381 N91-23179
OWEN, D. A.
Gas turbines for main propulsion and auxiliary power systems
[PNR-90709] 01 p0011 N91-10069
OWEN, KELLI J.
The use of the LOWTRAN7 atmospheric transmittance and radiance computer program for detection system design and analysis
[AD-A230426] 12 p1923 N91-20579
OWEN, M.
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
Ordovician sediments in the Waterhouse Range Anticline, Amadeus Basin, central Australia: Their interpretation and tectonic implications 19 p3195 N91-27665
OWEN, T. C.
The 3.4 micron emission in comets 06 p0906 N91-15006
OWENS, B. B.
Ambient temperature solid polymer electrolyte devices
[AD-A228716] 09 p1318 N91-17237
Interfacial stability of lithium in non-aqueous gel polymer electrolyte cells
[AD-A229186] 09 p1330 N91-17303
OWENS, BOONE B.
Exploratory cell research and fundamental processes study in solid state electrochemical cells
[DE91-004130] 07 p1073 N91-15905
OWENS, F. J.
SAFENET 2 fiber optic implementation study
[AD-A238044] 21 p3582 N91-29929
OWENS, JAY
Applied high-speed imaging for the icing research program at NASA Lewis Research Center
[NASA-TM-104415] 18 p2987 N91-26490
OWENS, L. P.
Biomass production and nitrogen dynamics in an integrated aquaculture/agriculture system 23 p3904 N91-31789
OWENS, S. F.
Thrust chamber modeling using Navier-Stokes equations: Code documentation and listings, volume 2
[NASA-CR-183617] 05 p0630 N91-13489
OWENS, W. BRECHNER
An exploration of the North Atlantic current and its recirculation in the Newfoundland Basin using SOFAR floats
[AD-A226475] 04 p0550 N91-13050
OWINGS, H. B.
Hydrogen masers with cavity frequency switching servos 17 p2853 N91-25777
OYAMA, K.-I.
International reference ionosphere 1990
[NASA-TM-105055] 22 p3705 N91-30621
OYAN, CHEN
Inelastic strain analysis of solder joint in NASA fatigue specimen
[NASA-CR-187864] 08 p1116 N91-16132
OYEKENU, SAMUEL A.
A study of microstructural characteristics and differential thermal analysis of Ni-based superalloys 19 p3275 N91-28115
OYEVAAR, MARTIN HERKE
Gas-liquid contacting at elevated pressures
[ETN-90-97773] 02 p0214 N91-11196
OZ, HAYRANI
A theoretical approach to analysis and design of efficient reduced control for space structures
[AD-A230223] 12 p1854 N91-20188
OZEK, TORU
A Raman spectroscopic and electrochemical study of the photoinduced crystallization of triethylenediamine triiodide upon a silver electrode
[AD-A232828] 15 p2519 N91-23963
OZEKI, T.
The application of concentration-distance profiling Raman microspectroscopy to the study of the photoinduced crystallization of triethylenediamine triiodide upon a silver electrode
[AD-A233000] 16 p2605 N91-24436
OZEKI, TAKAHISA
Effects of pressure profile and plasma shaping on the n=1 internal kink mode in JT-60/JT-60U pellet fuelled plasmas
[DE91-744965] 11 p1805 N91-19914
Effects of current profiles on the kink-ballooning stability
[DE91-772218] 17 p2870 N91-25874
OZELIS, J. P.
Superconducting current transducer
[DE91-004674] 06 p0824 N91-14554
OZERNOY, L. M.
Origin of regularities in the redshift distributions of distant galaxies and quasars
[DE91-007889] 11 p1818 N91-19986
OZERNOY, LEONID M.
Origin of regularities in the redshift distributions of distant galaxies and quasars
[DE91-004848] 08 p1266 N91-16968
OZERYANSKY, G. M.
A characterization of internal-Sn Nb3 Sn superconductors for use in the Proof of Priciples (PoP) coil
[DE91-001743] 06 p0879 N91-14852
OZGULER, A. BULENT
A decentralized controller for highly augmented aircraft 07 p1042 N91-15717
OZKAN, UGUR
Application of the constrained implicants set concept to the minimization of binary functions
[AD-A239470] 23 p3914 N91-31859
OZKUL, M. H.
The mechanical behavior of microcellular foams
[DE91-006775] 11 p1686 N91-19291
OZMIDOV, R. V.
In the energy active region of the ocean 18 p3003 N91-26583
OZOLINS, AIVARS
High-resolution vulnerability methods and applications
[AD-A230036] 12 p1972 N91-20850
OZTURAN, CAN
Expressing user-defined parallelism in EPL (Equational Programming Language)
[AD-A227875] 08 p1201 N91-16606

P

PAAS, MICHEL HENDRIK JULIUS WILHELM
Continuum damage mechanisms with an application to fatigue
[ISBN-90-9003688-1] 11 p1723 N91-19490
PAAVOLA, JUHA
A study of curved thin-walled girders
[CI-94] 04 p0538 N91-12984
PABOOJIAN, ARMAND J.
High-altitude non-equilibrium infrared emission models
[AD-A232503] 15 p2465 N91-23659
PACALA, S.
A theory of forest dynamics: Spatially explicit models and issues of scale
[NASA-CR-187645] 04 p0542 N91-13009
PACCHIONI, GIANFRANCO
Covalent and ionic contributions to the bonding of atomic and molecular adsorbates on metal surfaces: A cluster model approach
[AD-A229947] 12 p1976 N91-20868
PACE, D. M.
An architecture for device independent interfacing
[DE91-006451] 10 p1575 N91-18669
PACE, N.
Proceedings of the 12th Annual Meeting of the UIPS Commission on Gravitational Physiology
[AD-A235337] 18 p3031 N91-26732
PACE, SCOTT N.
US access to space launch vehicle choices for 1990-2010
[AD-A236928] 19 p3109 N91-27176
PACES, J. B.
Planetary materials and resource utilization: An interdisciplinary engineering design course at Michigan Technological University 14 p2205 N91-22180
PACHECO, JAMES
Photocatalytic destruction of chlorinated solvents with solar energy
[DE91-000767] 09 p1310 N91-17193
PACHOLE, MANFRED
Calculation of the source term for a S1B-sequence at a VVER-1000 type reactor. Part 2: Appendix
[OEFZS-4556-PT-2] 17 p2862 N91-25827
PACIESAS, WILLIAM S.
Gamma ray astronomy
[NASA-CR-188031] 11 p1817 N91-19980
Gamma ray astronomy
[NASA-CR-187774] 18 p2972 N91-26407
PACINI, PETER J.
Real-time fuzzy inference based robot path planning
[NASA-CR-188598] 17 p2830 N91-25631
PACIOREK, K. L.
Heterocycles based on group 3, 4, and 5 elements: Precursors for novel glasses and ceramics
[AD-A226988] 06 p0812 N91-14487
Boron nitride and its precursors
[AD-A233538] 16 p2607 N91-24446
PACKARD, ANDREW
Advanced topics in robust control. Volume 2: Invariants and structured singular values
[AD-A225219] 03 p0409 N91-12285
PACKER, L.
Cyanobacteria in CELSS: Growth strategies for nutritional variation and nitrogen cycling 23 p3903 N91-31786
PACKER, M.
Fixture efficiency program
[DE91-014470] 20 p3340 N91-28498
PACOLASOBRINHO, LUIZ CARLOS
Functional description and analysis of processor performance for data collection
[INPE-5037-RPE/620] 02 p0187 N91-11048
PADDEN, R. J.
Preliminary analysis of WL experiment number 701: Space environment effects on operating fiber optic systems 16 p2723 N91-25081
PADEKEN, DITTMAR
Tools for the preparation, performance and evaluation of life sciences experiments 11 p1747 N91-19609
PADEN, JACK
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986
[NASA-CR-187589] 19 p3203 N91-27702
PADFIELD, G. D.
Computer-aided control law research: From concept to flight test 07 p1044 N91-15731
PADGETT, WILLIAM J.
Statistical models and inference procedures for structural and materials reliability
[AD-A232634] 15 p2496 N91-23827
PADILHA, ANTONIO LOPES
Audiomagnetotelluric (AMT) soundings in the proximity of the Camaqua (RS) mines
[INPE-5213-RPE/641] 13 p2117 N91-21651
PADILLA, PETER A.
Abnormal fault-recovery characteristics of the fault-tolerant multiprocessor uncovered using a new fault-injection methodology
[NASA-TM-4218] 10 p1516 N91-18347
PADIN, STEVEN
A cooled 1- to 2-GHz balanced HEMT amplifier 24 p3984 N91-32254
PADMANABHAN, VISWA
Aircraft icing handbook, volume 1
[AD-A238039] 21 p3453 N91-29154
Aircraft icing handbook, volume 2
[AD-A238040] 21 p3453 N91-29155
Aircraft icing handbook, volume 3
[AD-A238041] 21 p3454 N91-29156
PAETZ, B.
User support and ground support program, with the example of EURECA 14 p2333 N91-22895
PAEZ, T. L.
Experimental laboratory system to generate high frequency test environments
[DE91-008252] 13 p2104 N91-21583
Chaotic and random processes
[DE91-008574] 13 p2144 N91-21804
PAFFETT, M. T.
The physical and chemical state of Westinghouse Phosphoric Acid Fuel Cell assemblies after long term operation: Surface and near-surface analysis
[DE90-015055] 01 p0063 N91-10382
PAFFETT, MARK T.
Impurity tolerant electrocatalysts
[DE90-011960] 08 p1109 N91-16090
PAGAN, DIDIER
Supersonic vortex flows around a missile body: Basic experiment and Euler numerical computation 06 p0774 N91-14291
PAGANO, PHILIPPE
Design of a specific integrated circuit for solving the three dimensional Poisson equation
[ECL-90-24] 23 p3861 N91-31527
PAGE, ANDREW G.
Programmable cockpit-head-up display and outside view
[AD-A227751] 07 p0943 N91-15172
PAGE, BRENDA J.
The Explorer platform planning system: An application of a resource reasoning planning shell 14 p2212 N91-22222
PAGE, J. F.
Assessment of DFT strategies 24 p3991 N91-32301

PAGE, R. A.
Gas rotary engine technology development
[PB91-182402] 19 p3177 N91-27563
PAGE, RICHARD A.
Study of high temperature failure mechanisms in ceramics
[AD-A230361] 12 p1874 N91-20298
PAGEL, B. E. J.
Star bursts and giant H II regions
09 p1431 N91-17881
PAGLIONE, ROBERT W.
Experimental system for the noninvasive detection of air bubbles in tissues
[AD-A235458] 19 p3211 N91-27752
PAGNOTTA, L.
Holographic interferometry as an inspection technique on aerospace composite structure
03 p0329 N91-11835
PAHL, WOLFRAM
Angle measurements with the laser gyro GG 1342
[ESA-TT-1212] 13 p2088 N91-21490
PAHLE, JOSEPH W.
Research flight-control system development for the F-18 high alpha research vehicle
[NASA-TM-104232] 14 p2196 N91-22131
PAI, DINESH K.
A plane-sweep algorithm for exact simulation of a quasi-static mechanical system of compliantly-connected rigid bodies (extended abstract)
[AD-A231324] 13 p2098 N91-21550
PAI, PERNG-JIN FRANK
Nonlinear flexural-flexural-torsional dynamics of metallic and composite beams 09 p1351 N91-17420
PAI, SHANTARAM S.
Probabilistic structural analysis of a truss typical for space station
[NASA-TM-103277] 03 p0378 N91-12114
PAIGE, D. A.
Thermal and albedo mapping of the north and south polar regions of Mars 18 p3088 N91-27076
PAIGE, DAVID A.
The global distribution of Martian permafrost
17 p2912 N91-26076
PAIGE, M. E.
Energy dissipation in chemical reactions on ultrafast timescales
[DE91-012342] 20 p3309 N91-28315
PAIGE, TERRY S.
Analysis of wind profile measurements from an instrumented aircraft
[NASA-CR-184084] 08 p1186 N91-16523
Guide to measurement of winds with instrumented aircraft
[NASA-CR-188601] 17 p2814 N91-25553
PAIK, H. J.
Superconducting six-axis accelerometer
03 p0431 N91-12416
PAILEN, WILLIAM
Criteria for the use of Lime-Cement-Flyash on airport pavements
[AD-A225226] 03 p0317 N91-11775
PAILHAS, G.
Three dimensional shear flow: Flow visualisation around a highly swept back and high incidence wing
[ONERA-RT-35/5025-28] 23 p3869 N91-31584
Postprocessing of experimental and numerical results in the case of two and three dimensional flows
[AAAF-NT-89-25] 23 p3871 N91-31592
PAILLOUS, ALAIN
Spacecraft thermal control coatings (AO 138-6)
16 p2716 N91-25037
PAINCHAUD, GUY R.
ECCM advantages of adaptive digital pulse compression 16 p2615 N91-24474
PAINE, D. C.
In situ TEM studies of the growth of strained Si(1-x)Ge(x) by solid phase epitaxy
[DE91-007278] 11 p1807 N91-19926
PAINE, THOMAS O.
Biospheres and solar system exploration
05 p0691 N91-13843
PAINTER, GAYLE S.
Interatomic forces and bonding mechanisms in MgO clusters
[DE90-010148] 08 p1220 N91-16719
PAINTER, JAMES V.
An investigation into the capability of civil satellites to support selected operational-level imaging requirements
[AD-A236873] 19 p3112 N91-27196
PAINTER, S. L.
Transport analysis of stellarator reactors
[DE91-010489] 15 p2511 N91-23914
PAISLEY, D. L.
Interferometry, streak photography, and stereo photography of laser-driven miniature flying plates
[DE91-007493] 11 p1708 N91-19405
PAISLEY, MICHAEL J.
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and the subsequent fabrication of superlattice structures using AlN and InN
[AD-A225894] 04 p0588 N91-13285
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and subsequent fabrication of superlattice structures using AlN and InN
[AD-A230269] 12 p1988 N91-20939
PAISNER, J. A.
High power CW performance from a Ti:Sapphire laser and a single-pass amplifier
[DE91-005269] 09 p1343 N91-17378
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511
A 43 watt CW Ti:Sapphire laser
[DE91-010468] 15 p2433 N91-23479
PAIVA, MANUEL
Lung volumes, chest wall configuration, and pattern of breathing in microgravity 11 p1741 N91-19574
PAJOT, F.
The 3.3 micron emission feature: Map of the galactic disk, 10 deg less than l less than 35 deg, - 6 deg less than b less than 6 deg 06 p0892 N91-14928
PAK, BOCKCHOON
Heat transfer and flow studies in an abrupt expansion pipe with non-Newtonian fluids
02 p0211 N91-11180
PAK, S. S.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
PAK, Z. P.
Protective functions of skin 01 p0096 N91-10555
PAKEY, DONALD DEAN
Proton deceleration near the surface of an accreting neutron star 21 p3605 N91-30063
PAKUNOV, A. T.
Gravitation receptor reaction in response to effect of acceleration 11 p1740 N91-19569
PAL, SANKAR K.
Fuzzy geometry, entropy, and image information
12 p1966 N91-20819
PAL, SIBTOSH
Turbulence characteristics and bubble dynamics of a microbubble-modified boundary layer
09 p1336 N91-17338
PALAITH, D.
Investigation of interlayer materials for the microwave joining of SiC
[DE91-013311] 20 p3325 N91-28414
PALAMIDESSI, C.
From failure to success: Comparing a denotational and a declarative semantics for Horn clause logic
[CWI-CS-R9019] 10 p1572 N91-18649
The failure of failures: Towards a paradigm for a synchronous communication
[RUU-CS-90-40] 23 p3911 N91-31835
PALAMIDESSI, CATUSCIA
Semantic models for a version of PARLOG
[CWI-CS-R8951] 03 p0403 N91-12245
A fully abstract model for concurrent logic languages
[CWI-CS-R9046] 17 p2833 N91-25655
PALASZEWSKI, B. A.
Advanced launch vehicle upper stages using liquid propulsion and metallized propellants
[NASA-TM-103622] 03 p0323 N91-11797
PALASZEWSKI, BRYAN
Lunar missions using chemical propulsion: System design issues
[NASA-TP-3065] 07 p0967 N91-15308
Design issues for propulsion systems using metallized propellants
[NASA-TM-105190] 21 p3466 N91-29220
PALASZEWSKI, BRYAN A.
Metallized propellants for the human exploration of Mars
[NASA-TP-3062] 03 p0324 N91-11800
Advanced chemical propulsion at NASA Lewis: Metallized and high energy density propellants
[NASA-TM-103771] 11 p1665 N91-19175
Advanced launch vehicle upper stages using liquid propulsion and metallized propellants
16 p2572 N91-24257
Launch vehicle performance using metallized propellants
[NASA-TM-104456] 16 p2581 N91-24304
PALAZZO, FRANK V.
Integration of the execution support system for the Computer-Aided Prototyping System (CAPS)
[AD-A232015] 15 p2485 N91-23761
PALAZZOTTO, M. C.
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407
PALEKAR, V.
The synthesis of methanol by a novel method
[DE91-011131] 18 p2952 N91-26291
PALEY, M. T.
Particulate impacts on the UHCRE cosmic ray experiment teflon covers: The ESA programme
16 p2711 N91-25004
PALIANI, M. A.
The electronic connection
[DE91-010883] 17 p2888 N91-25967
PALILOVA, A. N.
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-009] 01 p0098 N91-10569
PALKA, EDWARD
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test plan
[DOT/FAA/CT-TN90/41] 15 p2363 N91-23075
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test procedures
[DOT/FAA/CT-TN90/63] 17 p2727 N91-25100
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test report
[DOT/FAA/CT-TN90/27] 17 p2727 N91-25101
PALKA, T.
Analysis of GPS timing data in support of Omega system synchronization: A cesium stability study
[AD-A225507] 04 p0475 N91-12652
PALKO, JOSEPH L.
Structural reliability analysis of laminated CMC components
[NASA-TM-103685] 11 p1686 N91-19292
PALKON, D. J.
Development of prototype sealed bipolar lithium/sulfide cells
[DE91-015721] 23 p3859 N91-31519
PALLOTTINO, G. V.
Fast estimation of the variance of a narrowband process
[IFSI-90-16] 01 p0035 N91-10209
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585
PALLUCONI, FRANK K.
Mars Observer: A global mapping mission
17 p2912 N91-26077
PALM, HANS C.
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 1: Methodology
[FFI-90/4005-VOL-1] 12 p1844 N91-20138
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 2: General data flow diagram
[FFI-90/4005-VOL-2] 12 p1844 N91-20139
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 3: Data dictionary
[FFI-90/4005-VOL-3] 12 p1845 N91-20140
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 5: Specification mode 15, A + T + B + H
[FFI-90/4005-VOL-5] 12 p1845 N91-20141
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 9: Specification of sub-processes
[FFI-90/4005-VOL-9] 12 p1845 N91-20142
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 4: Processor mini-spec
[FFI-90/4005-VOL-4] 13 p2026 N91-21145
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 6: Specification mode 16, N
[FFI-90/4005-VOL-6] 13 p2027 N91-21146
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 7: Specification mode 29, N + A + T + H
[FFI-90/4005-VOL-7] 13 p2027 N91-21147
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 8: Specification mode 30, N + A + T + B
[FFI-90/4005-VOL-8] 13 p2027 N91-21148
PALM, R. G.
Assessment of tamper-revealing ceramic seals
[DE91-007793] 11 p1688 N91-19301
PALM, R. H.
NIST digitally synthesized power calibration source
[PB91-107474] 09 p1326 N91-17281
PALMADESSO, PETER J.
Current collection by a spherical high voltage probe: Electron trapping and collective processes
09 p1404 N91-17726

PALMBERG, BJOERN
Damage tolerance analysis and testing of the fighter aircraft 37 Viggen
[FFA-TN-1990-35] 05 p0622 N91-13448
PALMER, A. JAY
Dual-frequency radar: Basic theory and surface current mapping performance for land-based systems
[PB91-121251] 12 p1880 N91-20336
PALMER, A. W.
Fibre optic anemometry using an optical delay cavity technique
[ETN-90-97966] 03 p0418 N91-12341
PALMER, D. A.
Experimental studies of the volatility of ammonium chloride
[DE91-012526] 20 p3308 N91-28311
PALMER, D. D.
Deducing mechanical properties due to interfaces from their acoustical response
[DE90-016704] 02 p0221 N91-11234
PALMER, D. N.
Design and fabrication issues for small-scale SMES
[DE91-014008] 22 p3656 N91-30353
PALMER, D. R.
Report on the workshop: Applications of Ocean Acoustic Remote Sensing to Climate Monitoring
[PB91-105981] 09 p1353 N91-17435
PALMER, E. P.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923
PALMER, EVERETT
A function-based approach to cockpit procedure aids
02 p0164 N91-10953
Procedural error monitoring and smart checklists
02 p0165 N91-10954
PALMER, HARVEY J.
Precision metering of microliter volumes of biological fluids in micro-gravity 24 p4080 N91-32792
PALMER, HERBERT A.
Combustion efficiency analyzer, acoustic
[AD-D014693] 12 p1864 N91-20242
PALMER, J. R.
A knowledge-based approach to configuration layout, justification, and documentation
12 p1943 N91-20690
PALMER, MICHAEL
Inflight replanning for diversions
02 p0165 N91-10955
PALMER, PATRICK
Interferometric molecular line observations of W51
06 p0896 N91-14950
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020
VLA searches for formaldehyde and cyanoacetylene emission from comet P/Brorsen-Metcalf (1989o)
12 p2004 N91-21030
PALMER, PAUL R., JR.
Analyses of a coproduction acquisition strategy for the Light Helicopter program (LH)
[AD-A226109] 04 p0463 N91-12588
PALMER, R.
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195
PALMER, R. B.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
Emittance correction of photocathode gun
[DE91-010364] 14 p2260 N91-22506
PALMER, RONALD W.
SPH-4 aircrew helmet impact protection improvements 1970-1990
[AD-A233784] 18 p3035 N91-26750
PALMER, T. S.
Analysis of spherical geometry finite element transport solutions in the thick diffusion limit
[DE91-007598] 11 p1783 N91-19780
PALMER, WINIFRED G.
Exposure standard for fog oil
[AD-A231714] 16 p2663 N91-24729
PALMIDESSI, CATUSCIA
Control flow versus logic: A denotational and a declarative model for guarded Horn clauses
[CWI-CS-R8952] 03 p0403 N91-12246
PALMOUR, J. W.
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A227309] 06 p0823 N91-14548
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A233744] 18 p2978 N91-26439
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A235888] 19 p3150 N91-27412
PALMOUR, JOHN W.
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device structures
[AD-A225883] 04 p0518 N91-12885
PALMQUIST, RUTH ANN
A study of word associations in the natural language expressions of information needs in an information retrieval setting 17 p2885 N91-25948
PALOSKI, WILLIAM H.
Postural changes following sensory reinterpretation as an analog to spaceflight 11 p1748 N91-19610
PALUMBO, DAN
Parallelized reliability estimation of reconfigurable computer networks
[NASA-CR-182101] 02 p0257 N91-11430
PALUMBO, DANIEL L.
The Integrated Airframe/Propulsion Control System Architecture program (IAPSA) 04 p0483 N91-12689
Model reduction by trimming for a class of semi-Markov reliability models and the corresponding error bound
[NASA-TP-3089] 17 p2848 N91-25741
Performance and fault-tolerance of neural networks for optimization
[NASA-CR-187582] 19 p3232 N91-27869
PALUMBO, DAVID B.
From knowledge presentation to knowledge representation to knowledge construction: Future directions for hypermedia 13 p2167 N91-21954
PALUSZEK, STEVE
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
PAMPAGNIN, LUC-HENRY
Three-dimensional object recognition by monocular and multisensory perception: Space robotics application
[LAAS-90286] 10 p1596 N91-18806
PAMPALONI, PAOLO
SAR for the Earth Observing System: Mission to Planet Earth 07 p0990 N91-15435
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
PAMULAPATI, J.
Ellipsometric study of InGaAs MODFET material
[NASA-TM-103286] 11 p1698 N91-19351
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935
PAN, CHENGZHI
Array-typed, sealed-off mini tea CO2 laser
[AD-A234804] 18 p2990 N91-26511
PAN, HONGJUN
Characterizations of F-superconductors and selected F-compounds, amorphous carbon, and (VO)2P2O7 by F-19, C-13, H-1, and P-31 NMR, and a new probe for multiple pulse, MAS, and DAS NMR
[DE91-010566] 19 p3250 N91-27979
PAN, HUACHEN
Computation of boundary layer flow using thin-layer Navier-Stokes equations with flux-vector splitting
[REPT-B-21] 01 p0043 N91-10254
PAN, J. J.
Heterodyne laser mixer
[AD-A236687] 19 p3171 N91-27535
PAN, JING
Toward a formal verification of a floating-point coprocessor and its composition with a central processing unit
[NASA-CR-187547] 20 p3389 N91-28777
PAN, L.
Soft x ray detection with diamond photoconductive detectors
[DE91-000418] 04 p0585 N91-13264
PAN, THOMAS
Development of a figure-of-merit for space missions
16 p2596 N91-24387
PAN, TOM
Oxygen production on Mars: A figure-of-merit approach 17 p2912 N91-26079
PAN, W. Y.
Ferroelectric fatigue in modified bulk lead zirconate titanate ceramics
[DE91-012647] 20 p3326 N91-28417
PAN, X. J.
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264
PAN, YI-MING
Tribology of aluminum-based metal matrix composites: Fundamental study of wear behavior as influenced by microstructure 20 p3306 N91-28297
PAN, YUNG
Life cycle management automation programmer's manual
[AD-A232247] 15 p2487 N91-23769
Life cycle management automation user's manual, version 1.1
[AD-A232096] 15 p2520 N91-23968
PANAGIA, NINO
Narrow circumstellar emission lines in SN 1987A
09 p1443 N91-17953
PANAHANDEH, M.
Development of an advanced continuum theory for composite laminates, phase 1
[AD-A224985] 04 p0497 N91-12758
PANCHAL, C.
Energy-efficiency comparison of advanced ammonia heat-exchanger types
[DE91-006470] 10 p1541 N91-18480
Biofouling and corrosion fouling of plain and enhanced aluminum surfaces
[DE91-014464] 21 p3480 N91-29300
PANCHAL, C. B.
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501
Design and cost of near-term OTEC (Ocean Thermal Energy Conversion) plants for the production of desalinated water and electric power
[DE91-006406] 11 p1727 N91-19508
Analysis of condensation and evaporation of ammonia/water mixtures in matrix heat-exchangers
[DE91-014461] 21 p3512 N91-29500
Open-cycle ocean thermal energy conversion surface-condenser design analysis and computer program
[DE91-015973] 23 p3890 N91-31709
PANDA, JAYANTA
Experiments on the instabilities in swirling and non-swirling free jets 20 p3346 N91-28531
PANDEY, AJAY K.
Thermal-structural finite element analysis using linear flux formulation
[NASA-TM-102746] 03 p0379 N91-12115
Finite element thermo-viscoplastic analysis of aerospace structures
[NASA-TM-102761] 08 p1164 N91-16407
PANDEY, DHIRENDRA K.
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986
[NASA-CR-187589] 19 p3203 N91-27702
PANDEY, L. N.
Change in density of states in a resonant tunneling structure due to a scattering center in the well
[AD-A225861] 04 p0588 N91-13283
PANDEY, LAKSHMI N.
Theoretical studies of electron transport in quantum-well structures
[AD-A228429] 08 p1237 N91-16819
Escape time from a biased asymmetric double quantum well
[AD-A229289] 09 p1419 N91-17809
Light-induced drift of quantum-confined electrons in semiconductor heterostructures
[AD-A229959] 12 p1986 N91-20927
Position expectation value and oscillator strength of a biased asymmetric quantum well
[AD-A229803] 12 p1990 N91-20953
PANDOLF, KENT B.
Quantification of lower bounds for endurance times in thermally insulated fingers and toes exposed to cold stress
[AD-A227782] 08 p1191 N91-16545
PANDOLFINI, P. P.
Design techniques for dual mode ram-scramjet combustors 15 p2379 N91-23166
PANDOLFO, LIONEL
Nonlinear dynamics of global atmospheric and Earth-system processes 08 p1183 N91-16510
Nonlinear dynamics of global atmospheric and Earth-system processes 24 p4061 N91-32687
PANDYA, ABHILASH
Development of biomechanical models for human factors evaluations 12 p1947 N91-20713
PANDYA, MIHIR
Redundancy management for efficient fault recovery in NASA's distributed computing system
[NASA-CR-187879] 09 p1384 N91-17611

PANFIL, D. J.
Contributions of polymers to bentonite and saponite fluids
[DE91-009855] 16 p2607 N91-24450
PANG, JOSEPH
Design and implementation of interface units for high speed fiber optics local area networks and broadband integrated services digital networks
[NASA-CR-187384] 03 p0418 N91-12336
PANG, YI
Analysis and development of a wide-bandwidth gravitational wave detector 23 p3873 N91-31601
PANGBORN, R. N.
Composite material systems for hydrogen management 20 p3296 N91-28229
PANITZ, CORINNA
In vitro photoreactivation of transforming DNA of Bacillus subtilis spores after irradiation by ultraviolet light
[ESA-TT-1210] 13 p2126 N91-21699
PANITZ, J.
EBIC (Electron Beam Induced Current) contrast of clean, decorated and deuterium passivated Si(Ge) epitaxial misfit dislocations
[DE91-006967] 13 p2160 N91-21912
PANKAKOSKI, PEKKA H.
Testing of engineering ceramics, summary
[VTT-RR-678] 05 p0643 N91-13567
PANKOW, VIRGINIA R.
Data employed in the development of a three-dimensional, time-varying numerical hydrodynamic model of Chesapeake Bay
[AD-A231654] 14 p2292 N91-22673
PANORA, R.
Development of a gas engine-driven chiller
[PB91-130237] 13 p2068 N91-21389
PANOSSIAN, H. V.
Structural damping/acoustic attenuation optimization via non-obstructive particle damping
16 p2569 N91-24239
PANOSSIAN, HAGOP V.
Real-time failure control (SAFD)
[NASA-CR-184025] 02 p0220 N91-11233
PANT, P.
Fundamental studies in the manganese-bismuth system (TEXUS 2) 23 p3840 N91-31414
Copper-molybdenum suspension (TEXUS 9)
23 p3844 N91-31435
Manufacture of steel foam (TEXUS 4)
23 p3847 N91-31448
Manufacture of steel foam (TEXUS 6)
23 p3847 N91-31449
Manufacture of iron foam (TEXUS 7)
23 p3847 N91-31450
PANTANI, LUCA
Remote sensing of the sea at IROE/CNR
15 p2455 N91-23604
PANTANO, CARLO G.
Materials Research Society Proceedings: Interfaces in Composites, volume 170
[AD-A229200] 09 p1413 N91-17777
PANTAZIS, JOHN A.
Prototype instrumentation and design studies
[AD-A211566] 01 p0044 N91-10264
Prototype instrumentation and design studies
[AD-A230707] 12 p1835 N91-20083
PANTKE, KARL-HEINZ
Spectroscopy of excitational polaritons in CdS. Relaxation processes in spatial dispersive media
[ETN-91-98780] 10 p1609 N91-18881
PANTOJA, FRANCISCO C.
Automated fiber optic measurements
[AD-A225328] 03 p0418 N91-12342
PANTUCEK, P.
Development and computer aided residual stress measurements on coated specimen using blind-hole drilling technique 05 p0639 N91-13544
PAO, H. P.
Optical instrumentation and study of gas-solid suspension flows
[DE91-005533] 10 p1526 N91-18401
PAO, P. S.
Effect of ripple load on stress-corrosion cracking in structural steels
[AD-A235730] 19 p3134 N91-27318
PAOLI, F.
A ground based expert system for Hermes orbital operations planning 14 p2213 N91-22227
PAOLINI, PAOLO
Hypertext development using a model-based approach
[REPT-90-074] 23 p3936 N91-31995
PAOLUCCI, SAMUEL
Compressible flow of a multiphase fluid between two vessels. Part 1: Ideal carrier gas
[DE91-000490] 04 p0523 N91-12911
PAP, J.
Dynamic power spectral analysis of solar measurements from photospheric, chromospheric, and coronal sources
03 p0443 N91-12476
Modeling solar Lyman alpha irradiance
03 p0444 N91-12483
PAPADAKIS, M.
Computational fluid dynamics in aerospace engineering at Wichita State University 10 p1456 N91-18025
PAPADOPOULOS, D.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
PAPADOPOULOS, K.
Physics of RF breakdown for AIM applications
10 p1550 N91-18526
Electrojet modulation ELF communications
10 p1554 N91-18546
PAPADOS, PHOTIOS
Failure prediction of thin beryllium sheets used in spacecraft structures
[NASA-CR-188167] 14 p2276 N91-22588
PAPAEFTHYMIOU, MARIO CHRISTOS
On retiming synchronous circuitry and mixed-integer optimization
[AD-A228047] 07 p1000 N91-15491
PAPAGEORGIOU, DEMETRIOS T.
The route to chaos for the Kuramoto-Sivashinsky equation
[NASA-CR-187461] 05 p0656 N91-13642
Predicting chaos for infinite dimensional dynamical systems: The Kuramoto-Sivashinsky equation, a case study
[NASA-CR-187531] 13 p2079 N91-21454
PAPAGEORGIU, E.
Two-photon physics with ultrahigh-energy heavy-ion beams
[RAL-90-037] 07 p1066 N91-15866
The effect of a neutrino magnetic moment on nuclear excitation processes
[RAL-91-010] 24 p4095 N91-32876
PAPAILIOU, D. D.
Turbulence models for natural convection flows along a vertical heated plane 24 p4015 N91-32447
PAPAILIOU, K. D.
Arbitrary blade section design based on viscous considerations 10 p1458 N91-18037
PAPANICOLAOU, NICHOLAS A.
Monolithic multichannel detector amplifier arrays and circuit
[AD-D014566] 06 p0820 N91-14528
PAPAVASSILIOU, IOANIS
Nonlinear coupled rotor-fuselage vibration analysis and higher harmonic control studies for vibration reduction in helicopters 22 p3618 N91-30129
PAPE, U.
Spacecraft autonomy concept validation by simulation: A feasibility assessment
[MBB-UO-0100-90-PUB] 04 p0493 N91-12741
Spacecraft autonomy concept validation by simulation: A feasibility assessment 14 p2215 N91-22243
PAPIN, P.
The physical and chemical state of Westinghouse Phosphoric Acid Fuel Cell assemblies after long term operation: Surface and near-surface analysis
[DE90-015055] 01 p0063 N91-10382
PAPP, MARY L.
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
PAPPA, RICHARD S.
Modal identification of a deployable space truss
[NASA-TM-102720] 11 p1721 N91-19474
PAPPERT, S. A.
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569
PAQUET, V.
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525
Preparation of damage resistant optical coatings on flat substrates
[DE91-013588] 21 p3580 N91-29916
PAQUETTE, STEVEN P.
Human analogue models for computer-aided design and engineering applications
[AD-A229520] 24 p4077 N91-32775
PARADELLA, WALDIR RENATO
Discrimination of lithological units in the lower Valley of the Curaca River (Bahia), through enhancement of digital processing of MSS-LANDSAT-3 data
[INPE-5120-RPE/627] 13 p2109 N91-21613
Application of remote sensing data integrated with a digital elevation model in the geobotanical research in the Carajas Mountains
[INPE-5189-PRE/1657] 14 p2284 N91-22630
PARADELLA, WALDIR REUATO
A digital data bank for geological exploration in the mining belt of the Pojuca (Carajas) Cu-Zn deposit, based on geological, geochemical, remote sensing, and elevation data
[INPE-5172-PRE/1641] 13 p2110 N91-21617
PARAKKA, A.
EXAFS studies of elastic strain in dilute binary alloys
[DE91-012678] 20 p3315 N91-28353
PARAMESWARAN, V.
Parameter estimation via nonlinear differential correction least square method
[NAL-PD-FC-9110] 21 p3565 N91-29814
PARAMESWARAN, V. R.
Intermetallics: Canadian perspective
[NAE-LTR-ST-1771] 21 p3478 N91-29288
Metal injection moulding: A brief review
[NAE-LTR-ST-531] 21 p3478 N91-29289
PARAMESWARAN, VENKATARAMAN
Flight path reconstruction using extended Kalman filtering techniques
[DLR-FB-90-41] 13 p2019 N91-21108
PARANG, M.
In-space experiment on thermoacoustic convection heat transfer phenomenon-experiment definition
[NASA-CR-187070] 11 p1703 N91-19378
PARATI, G.
Simulated absence of gravity impairs arterial baroreceptor control of heart rate in man
11 p1746 N91-19599
PARAU, C.
Regional air traffic into international airports: The development in regional air traffic
03 p0308 N91-11722
PARAZYNSKI, S. E.
Transcapillary fluid shifts in head and neck tissues during and after simulated microgravity
[NASA-TM-103847] 15 p2474 N91-23704
PARBERRY, IAN
A complexity theory of neural networks
[AD-A229432] 22 p3740 N91-30835
PARCELIER, MICHEL
Effect of space environment on composite materials and thermal coatings (AO 138-9) 16 p2719 N91-25054
PARDEE, R.
National Bureau of Standards Publications 1977-1987. Volume 1: Citations, key words, and abstracts
[PB91-136507] 17 p2884 N91-25943
National Bureau of Standards Publications 1977-1987. Volume 2: Indexes
[PB91-136515] 18 p3076 N91-26997
PARDESS, DORON
A method for measuring the mass of sulfur in single non-homogeneous aerosols by x-ray analysis, using the scanning electron microscope
[ITN-91-85096] 12 p1865 N91-20243
PARDO, C.
Fiber Optic Tactical Local Network (FOTLAN)
15 p2540 N91-24072
PAREDIS, C. J. J.
On kinematic design of serial link manipulators
[DE91-009414] 15 p2437 N91-23499
PAREKH, DAVID E.
Vortex system evolution in 2- and 3-D swept trailing edge flows
[AD-A232692] 15 p2429 N91-23453
PARENT, M. G.
Fiber optic feed
[AD-A229860] 11 p1799 N91-19879
PARHAM, FREDERICK MELVIN, JR.
Tilted Rossby-wave critical layers in stratified atmospheres 10 p1545 N91-18504
PARHAM, MARTIN
SKITTER foot design
[NASA-CR-184932] 03 p0319 N91-11782
PARIDES, GEORGE
Vehicular sources in acoustic propagation experiments
08 p1215 N91-16690
PARIHAR, SANJAY
Photovoltaic quantum well infrared photodetectors
06 p0795 N91-14393
PARIKH, LINK A.
Astromag phase A assembly and servicing operations report
[NASA-CR-186262] 15 p2386 N91-23206
PARIKH, P.
Three dimensional unstructured grids for the solution of the Euler equations 02 p0154 N91-10893
PARIMALA, H. V.
Investigations on the problem of moisture absorption by Kevlar fibres: Effect of relative humidity of the atmosphere and the degree of crystallinity of the fibres
[NAL-PD-MT-9015] 10 p1504 N91-18280

PARISH, MARK V.
Composite ceramic superconducting wires for electric motor applications
[AD-A232074] 15 p2517 N91-23951
PARISH, THOMAS R.
A review of precipitation-related aspects of West Antarctic meteorology 18 p3001 N91-26574
PARISI, M.
On the autoregression methods applied to the hourly nucleonic-component records
[IFSI-89-19] 01 p0142 N91-10837
PARK, A.
Constitutive parameter de-embedding using inhomogeneously-filled rectangular waveguides with longitudinal section modes
[NASA-CR-187990] 10 p1515 N91-18341
PARK, B. K.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
PARK, BRIAN
A study of the radiant ignition of a range of pyrotechnic materials using a CO2 laser
[MRL-TR-90-20] 07 p0987 N91-15416
PARK, CHANGBOM
Gravitational evolution of large-scale structure in the universe 20 p3445 N91-29121
PARK, EUGENE
Optical Multiple Access Network (OMAN) for advanced processing satellite applications
[NASA-TM-105167] 21 p3501 N91-29431
PARK, EUI H.
An expert system for planning and scheduling in a telerobotic environment
[NASA-CR-188648] 19 p3233 N91-27876
PARK, H.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
PARK, HEAI-KU
OCM and impedance analysis of polypyrrole
[AD-A229185] 09 p1310 N91-17190
PARK, HUN SUB
Residual stress measurements and microstructural characterization of graphite-aluminum metal matrix composite 02 p0191 N91-11068
PARK, HYUNG-KOO
Model of an aerospace plane based on an idealized cone-derived waverider forebody 23 p3789 N91-31129
PARK, J. H.
Electronic transport properties in copper oxides
[DE91-018182] 24 p3976 N91-32213
PARK, J. L.
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
PARK, J. N.
High-power converters for space applications
[NASA-CR-187116] 18 p2981 N91-26461
PARK, J. S.
Design of a triaxial residual stress measurement system using high-energy x ray diffraction
[DE90-016212] 01 p0056 N91-10331
PARK, JOHN
Hardware versus manpower compatibility methodology. Volume 1: Overview and manager's guide
[AD-A225122] 03 p0397 N91-12208
PARK, K.
Tunable far infrared studies of molecular parameters in support of stratospheric measurements
[NASA-CR-188774] 23 p3893 N91-31723
PARK, K. C.
Computational methods and software systems for dynamics and control of large space structures
[NASA-CR-187669] 05 p0628 N91-13480
Analysis, preliminary design and simulation systems for control-structure interaction problems
[NASA-CR-188018] 13 p2131 N91-21729
Implementation of a partitioned algorithm for simulation of large CSI problems
[CU-CSSC-91-4] 13 p2131 N91-21730
Second-order discrete Kalman filtering equations for control-structure interaction simulations
[CU-CSSC-91-5] 13 p2131 N91-21731
Parallel computations and control of adaptive structures 13 p2131 N91-21732
The computational structural mechanics testbed structural-element processor ES7: Revised ANS shell elements
[NASA-CR-4360] 14 p2278 N91-22598
PARK, LEE Y.
Potential dependence of the conductivity of polyacetylene: Finite potential window of high conductivity
[AD-A233263] 16 p2606 N91-24442
Living ring-opening metathesis polymerization of 7-oxa-2,3-difunctionalized norbornenes and norbornadienes by Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (O-t-Bu)2 and Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (OCMe2CF3)2
[AD-A235235] 18 p2965 N91-26365
PARK, M.
Model filled polymers versus synthesis of crosslinked monodisperse polymethacrylate beads
[AD-A227236] 08 p1118 N91-16146
PARK, MOONSOO
Model filled polymer 7: Flow behavior of polymers containing monodisperse crosslinked polymeric beads
[AD-A237430] 21 p3487 N91-29350
PARK, MYUNG-KYUN
Stress analysis of a double-doubler joint in composite structure 15 p2443 N91-23530
PARK, SHANG C.
Intelligent scheduling with machine learning capabilities: The induction of scheduling knowledge
[AD-A232943] 16 p2675 N91-24804
PARK, Y. J.
Prediction of high level vibration test results by use of available inelastic analysis techniques
[DE91-009437] 20 p3359 N91-28606
PARK, YOUNG T.
Mechanism of anionic ring-opening polymerization of silacyclopent 3-enes
[AD-A237538] 21 p3488 N91-29353
PARKE, S. J.
Hard amplitudes in gauge theories
[DE91-009769] 14 p2258 N91-22491
PARKER, D. E.
Postural changes following sensory reinterpretation as an analog to spaceflight 11 p1748 N91-19610
PARKER, D. R.
Effects of design on total dose characteristics of ASIC technologies 24 p3996 N91-32333
PARKER, DAVID B.
Learning-logic: Casting the cortex of the human brain in silicon
[MIT-TR-47] 24 p4088 N91-32840
PARKER, F. R.
AFDM: An Advanced Fluid-Dynamics Model. Volume 1: Scope, approach, and summary
[DE90-016723] 01 p0041 N91-10239
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017538] 01 p0041 N91-10243
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017539] 01 p0041 N91-10244
PARKER, G.
Development and applications of a multi-level strain energy method for detecting finite element modeling errors
[NASA-CR-187447] 11 p1722 N91-19478
PARKER, J. C.
Optical determination of the oxygen stoichiometry of nanophase metal-oxide materials
[DE91-006364] 10 p1501 N91-18259
MOFAT: A two-dimensional finite element program for multiphase flow and multicomponent transport. Program documentation and user's guide
[PB91-191692] 22 p3675 N91-30463
PARKER, J. L.
Further development of IDGS: Isotope dilution gamma-ray spectrometry
[DE91-016315] 24 p4104 N91-32936
PARKER, J. V.
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
PARKER, JAMES F., JR.
Human factors issues in aircraft maintenance and inspection: Information exchange and communications
[AD-A230270] 12 p1933 N91-20634
PARKER, JAY W.
Hypercube technology 14 p2355 N91-23025
PARKER, JERALD V.
Railgun restrike control
[DE90-015108] 01 p0015 N91-10095
PARKER, JUDITH M.
Design of advanced blading for a high-speed HP compressor using an S1-S2 flow calculation system
[RAE-TM-P-1196] 22 p3621 N91-30144
PARKER, JUNE M.
Classes of priors in games and decision models
[ETN-91-98171] 05 p0711 N91-13965
PARKER, LINDSAY
FIRE Cirrus on October 28, 1986: LANDSAT; ER-2; King Air; theory 01 p0081 N91-10480
PARKER, M. B.
Progress in the SP-100 FSQ reactor development
[DE91-016033] 23 p3926 N91-31940
PARKER, R. J.
Flow measurements in turbomachinery using laser anemometry and holography
[PNR-90717] 01 p0044 N91-10261
PARKER, S. A.
BMD/Ada bit-oriented message definer: A tool to define bit-oriented messages in Ada
[AD-A233576] 16 p2671 N91-24782
PARKER, STEPHEN F.
Concepts for cavitation alleviation of banded and ducted rotor tips
[AD-A236254] 19 p3101 N91-27135
PARKER, STEVEN L.
Development and application of linear and nonlinear methods for interpretation of lightning strikes to in-flight aircraft
[NASA-CR-3974] 01 p0094 N91-10548
PARKER, T. E.
A survey of optical diagnostic methods for the study of fuel fouling
[AD-A237361] 21 p3581 N91-29920
PARKIN-MOORE, D. A.
Effect of planform on induced drag
[BU-500] 14 p2188 N91-22086
PARKIN, B. R.
A two-scale solution of the forced Rayleigh-Plesset equation governing the dynamics of cavitation bubble vaporous growth
[AD-A232129] 15 p2427 N91-23446
PARKINSON, STANLEY R.
Computer menu task performance model development
[AD-A230278] 12 p1956 N91-20759
PARKS, ALLEN D.
M-dimensional computer memory with M-1 dimensional hyperplane access
[AD-D014615] 05 p0698 N91-13886
Toroidal computer memory for serial and parallel processors
[AD-D014631] 09 p1374 N91-17548
PARKS, D. M.
Modelling of deformation textures evolution in semi-crystalline polymers
[AD-A237288] 21 p3486 N91-29342
PARKS, E. K.
Chemical identification of icosahedral structure for cobalt and nickel clusters
[DE90-017688] 02 p0196 N91-11100
PARKS, EARL L.
Failure mechanisms on GaAs integrated circuits: Electromigration on GaAs
[AD-A237352] 21 p3505 N91-29451
PARKS, PAUL B.
Pulsed plasmoid electric propulsion 14 p2200 N91-22151
PARKS, PAUL F.
Theoretical atomic physics for fusion
[DE90-017280] 01 p0120 N91-10710
PARKS, ROBERT
Hubble Space Telescope secondary mirror vertex radius/conic constant test
[NASA-CR-187989] 11 p1798 N91-19871
PARKS, W. P., JR.
Research and development of a ceramic fiber composite heat exchanger
[DE90-017250] 05 p0631 N91-13497
PARLOS, ALEXANDER G.
Active vibration control techniques for flexible space structures
[NASA-CR-185643] 10 p1486 N91-18184
Attitude control/momentum management and payload pointing in advanced space vehicles
[NASA-CR-185644] 10 p1486 N91-18185
PARMA, P.
Dumb-bell galaxies in southern clusters: Catalog and preliminary statistical results 08 p1252 N91-16896
PARMANTIER, J. P.
Electromagnetic topology: Characterization of internal electromagnetic coupling 24 p4063 N91-32699
PARMAR, R.
Infrared spectroscopy of comets 12 p2004 N91-21026
PARMENTIER, G.
Propagation of helicopter noise in the low atmosphere layers
[ISL-CO-203/90] 13 p2147 N91-21830
PARMENTIER, N.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679

PARMINGTON, B.
Design and preliminary development of an engine for small unmanned air vehicles
[ARL-PROP-R-184] 10 p1472 N91-18110
PARNAS, KEMAL LEVEND
Failure mechanisms and prediction in advanced composite materials 24 p3971 N91-32184
PARNELL, T. A.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970
The ionizing radiation environment of LDEF prerecovery predictions 16 p2707 N91-24980
The interactions of atmospheric cosmogenic radionuclides with spacecraft surfaces 16 p2707 N91-24982
Induced radioactivity in LDEF components 16 p2708 N91-24985
Charged particle LET-spectra measurements aboard LDEF 16 p2709 N91-24989
Radiation exposure of LDEF: Initial results 16 p2709 N91-24993
Summary of ionizing radiation analysis on the Long Duration Exposure Facility 16 p2710 N91-24997
PARR, RICHARD
A study of microstructural characteristics and differential thermal analysis of Ni-based superalloys 19 p3275 N91-28115
PARRINELLO, M.
Theory of structure and properties of hydrogenated amorphous silicon
[DE91-009353] 13 p2056 N91-21315
PARRIS, P. E.
Defect characterization of electronic conducting pseudo-perovskite systems
[DE91-014385] 21 p3592 N91-29978
PARRISH, ADRIAN JAMES
Electronically steerable arrays: Current and future technology and applications
[ETN-91-98581] 08 p1136 N91-16254
PARRISH, JOSEPH C.
Ground controlled robotic assembly operations for Space Station Freedom 12 p1939 N91-20665
PARROD, Y.
Assembly, integration and test planning tool 07 p0950 N91-15214
Optimum-AIV: A planning and scheduling system for spacecraft AIV 14 p2312 N91-22770
PARROT, H.
Sandia technology: Engineering and science applications
[DE91-006760] 11 p1692 N91-19322
PARROT, L.
Sandia technology: Engineering and science applications
[DE91-006760] 11 p1692 N91-19322
PARROT, M.
Experimental constraints in the characterization of a turbulent field from several satellites 01 p0070 N91-10425
PARROTT, J. S.
Applications of a 2-D moving finite element formulation to elastic/viscoplastic dynamic fracture analysis
[DE91-009930] 20 p3359 N91-28607
PARRY, D. B.
Attenuated total reflection infrared spectroscopy for measuring interfacial reaction kinetics: Hydrolysis of monochlorosilanes at silica surfaces
[AD-A236034] 19 p3126 N91-27269
PARSA, Z.
Beam emittance and the effects of the rf, space charge and wake fields: Application to the ATF photoelectron beam
[DE91-014789] 20 p3352 N91-28569
Space charge and wake field analysis for a high brightness electron source
[DE91-014788] 20 p3405 N91-28874
PARSE, JOSEPH B.
Quantitative characterization of the spatial distribution of particles in materials: Application to materials processing 19 p3130 N91-27294
PARSONS, B. K.
Conceptual design of an Open-Cycle Ocean Thermal Energy Conversion Net Power-Producing Experiment (OC-OTEC NPPE)
[DE90-000304] 02 p0229 N91-11282
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501
PARSONS, J. M.
Conceptual design of an Open-Cycle Ocean Thermal Energy Conversion Net Power-Producing Experiment (OC-OTEC NPPE)
[DE90-000304] 02 p0229 N91-11282
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501
PARSONS, W. M.
Computation of the current density in nonlinear materials subjected to large current pulses
[DE91-001950] 05 p0652 N91-13624
PARTAIN, L. D.
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
PARTANEN, JARNO
The physiological effects of 50/60 Hz electromagnetic fields: Standards and guidelines
[DE91-752996] 13 p2127 N91-21705
PARTANEN, TEUVO
FEM analysis of the centralizing stress caused by a casing shell 07 p1017 N91-15584
PARTHASARATHY, M.
Additional red and reddened stars in Cyg OB2 association 06 p0895 N91-14948
PARTHASARATHY, R.
Trajectories of inner and outer heliospheric spacecraft: Predicted through 1999
[NASA-TM-105041] 22 p3626 N91-30177
PARTHASATHY, ARVIND
High energy efficiency and high power density proton exchange membrane fuel cells: Electrode kinetics and mass transport 24 p4037 N91-32558
PARTLOW, W. D.
Research on silicon, carbon, and silicon carbide heterostructures
[AD-A231943] 14 p2249 N91-22444
PARTRIDGE, HARRY
All-electron molecular Dirac-Hartree-Fock calculations: The group 4 tetrahydrides CH4, SiH4, GeH4, SnH4 and PbH4
[NASA-CR-187968] 10 p1496 N91-18237
PARTRIDGE, WILLIAM M.
Peptide transport through the blood-brain barrier
[AD-A233753] 18 p3027 N91-26708
PARVEZ, M.
Synthesis and structure of small-molecule cyclic phosphazenes bearing ortho-substituted aryloxy and phenoxy substituents
[AD-A234377] 18 p2961 N91-26344
PARZEN, EMANUEL
Goodness of fit tests and entropy
[AD-A224860] 03 p0413 N91-12310
Comparison change analysis
[AD-A233690] 18 p3055 N91-26873
PARZYCH, D.
Measurement of unsteady blade surface pressure on a single rotation large scale advanced prop-fan with angular and wake inflow at Mach numbers from 0.02 to 0.70
[NASA-CR-182123] 01 p0011 N91-10065
PASCAL, C.
Applicability of centrifuge to test space payloads 07 p0957 N91-15262
PASCAZIO, V.
A parallel distributed system for SAR image processing 07 p0992 N91-15444
PASCH, H. L.
Transmission of compressed video
[MEMO-INF-90-47] 10 p1515 N91-18338
A high-speed slotted ring access mechanism with dynamically adaptive slot sizes
[MEMO-INF-90-36] 10 p1577 N91-18677
A high-speed slotted ring access mechanism with dynamically adaptive slot sizes
[MEMO-INF-91-21] 22 p3666 N91-30409
PASCHALI, PASCHALIS GEORGE
Boundary conditions in quantum cosmology 15 p2530 N91-24020
PASCHMANN, G.
Ion distributions and flows near the neutral sheet
[MPE-PREPRINT-179] 08 p1267 N91-16974
PASCIAK, JOSEPH E.
Parallel multilevel preconditioners
[DE91-001121] 04 p0573 N91-13186
PASCOE, G.
MRVS: A system for measuring, recording and processing flight data
[NLR-MP-88034-U] 22 p3619 N91-30135
PASCUAL, J.
The development of the Ariane-4 adaptor 937B 03 p0327 N91-11823
PASE, S.
On the autoregression methods applied to the hourly nucleonic-component records
[IFSI-89-19] 01 p0142 N91-10837
PASHCHININ, A. N.
Structural changes in vestibular receptors in rats after flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27729
PASI, P.
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station) 11 p1761 N91-19689
PASIAN, FABIO
Dearchiving IUE LBL images from optical disk 09 p1447 N91-17984
ULDA user's guide
[NASA-TM-105074] 23 p3908 N91-31813
PASIK, M. F.
A method for computing fields near the origin of a cylindrical coordinate system in time domain finite-difference electromagnetic simulations
[DE91-015431] 21 p3501 N91-29433
PASK, GORDON
Research on complex decision making, knowledge representation, and the transfer of existing system to ARI
[AD-A225447] 03 p0429 N91-12400
PASK, JOSEPH A.
Joining alumina to sapphire for copper vapor laser tubes
[AD-A226619] 06 p0815 N91-14501
PASQUIER, MICHEL
Planning of the paths for manipulation robots
[ETN-90-97826] 01 p0049 N91-10291
PASSELL, L.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0198 N91-11108
PASSERONE, A.
Meniscus stability in immiscible metals (MASER 1) 23 p3843 N91-31428
PASTERCZYK, C. E.
Progress in informal information management: The Central Technical File
[DE91-010863] 17 p2888 N91-25965
PASTERNAK, M. P.
The pressure-induced Mott transition in transition-metal iodides
[DE91-013671] 20 p3318 N91-28366
High pressure Moessbauer spectroscopy in diamond anvil cells
[DE91-016018] 24 p4108 N91-32961
PASTRONE, D.
Test on parabolic flights for stowage in weightlessness 15 p2451 N91-23578
PATANKAR, S. V.
Numerical prediction of turbulent oscillating flow and associated heat transfer
[NASA-CR-187177] 21 p3516 N91-29524
PATARAYA, A. D.
A new model of spicule formation in the Sun chromosphere 06 p0916 N91-15051
Excitation of Langmuir wave by transversal nonlinear wave in the electron-positron inhomogeneous plasma in the presence of positron beam 06 p0919 N91-15076
Investigation of the night sky airglow near the epicenter of the earthquake 06 p0923 N91-15107
PATARAYA, T. A.
Excitation of Langmuir wave by transversal nonlinear wave in the electron-positron inhomogeneous plasma in the presence of positron beam 06 p0919 N91-15076
PATAT, F.
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988) 11 p1742 N91-19577
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects 11 p1742 N91-19578
PATCH, T. J.
The impact of exchange rates on air traffic demand
[ETN-90-98220] 03 p0311 N91-11745
PATE, J. R.
Improved eddy-current inspection for steam generator tubing
[DE91-002860] 07 p1013 N91-15561
PATE, ROBERT A.
Test results from a two-stage traveling charge liquid propellant gun
[AD-A224593] 03 p0318 N91-11779
PATEL, B.
High-efficiency silicon solar cells for use with a prismatic cover at 160 suns
[DE91-000468] 04 p0544 N91-13015
PATEL, DINESH
Preparation and characterization of carbon filaments
[AD-A235633] 19 p3118 N91-27228

PATEL, J. H.
Fault-tolerant computing: An overview
[NASA-CR-188793] 21 p3557 N91-29769
PATEL, S. R.
A unified approach to buffet response of fighter aircraft empennage 06 p0780 N91-14326
PATEL, VADANKUMAR M.
A test of the American Safety Flight Systems, Inc. prebreather/portable oxygen system
[AD-A232723] 15 p2367 N91-23100
PATER, R.
Microcracking mechanisms and interface toughening of semi-IPN polyimide matrix composites 04 p0596 N91-13327
PATERSON, J. M.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
PATHAK, DHIRAJ
Generating space telescope observation schedules
[NASA-CR-187843] 07 p1081 N91-15947
PATHAK, DHIRAJ K.
Balancing antagonistic time and resource utilization constraints in over-subscribed scheduling problems
[NASA-CR-188677] 19 p3259 N91-28025
PATIL, A.
Space platform power system hardware testbed
[NASA-CR-185839] 18 p2938 N91-26204
PATIL, D. S.
A comparison of microwave versus direct solar heating for lunar brick production 14 p2204 N91-22172
PATIN, Y.
Single event upset sensitivity of a SRAM: An overview from testing procedures to device hardening (theme 2) 24 p3998 N91-32346
PATITZ, W. E.
Radar-cross-section measurement errors caused by test object interaction with low-dielectric-constant supports
[DE91-015340] 23 p3855 N91-31490
PATNI, K.
Analysis of residual stress in plastic-media-blasted thin aluminum skin by x-ray double crystal diffractometry 10 p1454 N91-18016
A comparison of corrosion fatigue properties of 6013 bare, alclad 2024 bare aluminum alloy sheet materials
[NIAR-91-8] 14 p2247 N91-22430
PATON, YE. O.
Properties of high-cleanness high-strength steel 12GN2MFAYu 19 p3132 N91-27309
PATRICK, D. L.
Laser Tracker 2: Sandia National Laboratories' second generation laser tracking system
[DE91-007711] 11 p1711 N91-19424
PATRICK, GARY
Hydrologic and meteorological operations in the 162-174 and 406.1-420 MHz bands
[PB90-207820] 01 p0033 N91-10199
PATRICK, GREGORY R.
Diagnosing thunderstorm potential using AFOS
[PB90-238841] 09 p1366 N91-17507
PATRICK, M. L.
The Lanczos algorithm for the generalized symmetric eigenproblem on shared-memory architectures
[DE91-006044] 19 p3217 N91-27781
PATRICK, T. J.
Cryogenic mechanisms for scanning and interchange of the Fabry-Perot interferometers in the ISO long wavelength spectrometer 16 p2641 N91-24614
PATRIGNANI, C.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585
PATT, B. E.
Gabor zone plate apertures for imaging with the mercuric iodide gamma ray camera
[DE90-011193] 08 p1148 N91-16321
PATT, P. J.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614
PATTAY, R. S.
Control of autonomous mobile robots using custom-designed qualitative reasoning VLSI chips and boards
[DE91-012527] 20 p3390 N91-28783
PATTEN, ELIZABETH A.
HgZnTe-based detectors for LWIR NASA applications 06 p0797 N91-14404
PATTERSON-HINE, A.
Flight elements: Fault detection and fault management 09 p1281 N91-17042
PATTERSON-HINE, F. A.
An integrated approach to system design, reliability, and diagnosis
[NASA-TM-102861] 07 p0989 N91-15426
PATTERSON, DONALD J.
Injector and valve train friction studies: Cummins L-10 engine
[DE90-017288] 02 p0219 N91-11225
PATTERSON, E.
Sub-visual Cirrus detection and characterization 01 p0082 N91-10486
PATTERSON, F. G.
Design and performance of a multiterawatt, subpicosecond neodymium glass laser
[DE91-006749] 09 p1344 N91-17381
Development of a subpicosecond, tunable LiCAF (Cr:LiCaAlF6) laser
[DE91-012082] 18 p2993 N91-26526
PATTERSON, JAMES C., JR.
Effect of location of aft-mounted nacelles on the longitudinal aerodynamic characteristics of a high-wing transport airplane
[NASA-TP-3047] 05 p0613 N91-13402
Wingtip vortex turbine
[NASA-CASE-LAR-14116-1] 06 p0784 N91-14345
Flight test to determine feasibility of a proposed airborne wake vortex detection concept
[NASA-TM-102672] 14 p2190 N91-22096
PATTERSON, JAMES D.
Improvement of program to calculate electronic properties of narrow band gap materials
[NASA-CR-188212] 16 p2693 N91-24912
PATTERSON, JEAN E.
Hypercube technology 14 p2355 N91-23025
PATTERSON, JOCELYN M.
The role of analysis in the design of composite materials 16 p2645 N91-24644
PATTERSON, M. J.
Xenon ion propulsion for orbit transfer
[NASA-TM-103193] 03 p0323 N91-11798
PATTERSON, MICHAEL J.
A 5-kW xenon ion thruster lifetest
[NASA-TM-103191] 11 p1666 N91-19180
Performance and optimization of a derated ion thruster for auxiliary propulsion
[NASA-TM-105144] 21 p3467 N91-29229
Microanalysis of extended-test xenon hollow cathodes
[NASA-TM-104532] 22 p3631 N91-30202
Ion beam sputtering in electric propulsion facilities
[NASA-TM-105145] 24 p3966 N91-32158
Multimegawatt electric propulsion system design considerations
[NASA-TM-105152] 24 p3967 N91-32164
PATTERSON, R. G.
Deposition controlled uniformity of multilayer mirrors
[DE90-015906] 01 p0121 N91-10718
PATTERSON, RICHARD L.
How much redundancy: Some cost considerations, including examples for spacecraft systems
[NASA-TM-103197] 09 p1348 N91-17407
Balancing reliability and cost to choose the best power subsystem
[NASA-TM-104453] 16 p2700 N91-24952
Fiber-optic sensors for aerospace electrical measurements: An update
[NASA-TM-104454] 17 p2779 N91-25381
Reliability and cost: A sensitivity analysis
[NASA-TM-105293] 24 p4118 N91-33014
PATTERSON, S. H.
World nonbauxite aluminum resources excluding alunite
[PB91-137745] 17 p2801 N91-25495
PATTERSON, W.
Recent advances in GaAs/Ge solar cells 22 p3632 N91-30211
PATTERSON, W. J.
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185
PATTERSON, W. L.
Integrated Refractive Effects Prediction System (IREPS) user's manual, revision PC-2.0
[AD-A228549] 08 p1128 N91-16203
PATTON, R. J.
Robust variable structure control of model reference systems
[MATHS-REPT-A-131] 05 p0708 N91-13947
PATTON, T. L.
Work plan for the preliminary site investigation for McMurdo Station, Ross Island, Antarctica
[DE91-015100] 20 p3371 N91-28675
PATZ, G.
Possibilities of trajectory modification
[ISL-CO-209/90] 13 p2028 N91-21151
PAUBERT, G.
Observations of parent molecules in comets P/Brorsen-Metcalf (1989o), Austin (1989c1) and Levy (1990c) at millimetre wavelengths: HCN, H2S, H2CO and CH3OH 10 p1621 N91-18944
Millimetre observations of comets P/Brorsen-Metcalf (1989o) and Austin (1989c1) with the IRAM 30-m radio telescope 12 p2004 N91-21029
PAUGH, ROBERT L.
Development of a low noise 10 KJ-T refrigeration system
[AD-A231383] 13 p2068 N91-21392
PAUL, A. C.
Reduction of energy sweep of the ETA-2 beam
[DE91-013824] 20 p3352 N91-28568
Degradation of brightness by resonant particle effects
[DE91-015181] 21 p3525 N91-29578
PAUL, A. K.
Fitting of discrete irregularly spaced data with differentiable functions: Application to ray tracing in the ionosphere
[AD-A236770] 19 p3237 N91-27897
PAUL, ADOLF K.
Optimum space, time, and frequency sampling of the ionosphere with advanced digital ionosondes 22 p3658 N91-30364
PAUL, ARTHUR S.
Engineering management of large scale systems 19 p3276 N91-28122
Suggested criteria for evaluating systems engineering methodologies 19 p3277 N91-28127
PAUL, CLAYTON R.
Cables and crosstalk 19 p3147 N91-27394
PAUL, D. M.
Neutron diffraction by the flux lattice in high-Tc superconductors
[DE91-017866] 24 p4009 N91-32418
High energy spin waves in iron measured by neutron scattering
[DE91-017868] 24 p4099 N91-32902
PAUL, D. MCK.
Neutron scattering from the flux lattice in high temperature superconductors
[DE91-017947] 24 p4009 N91-32419
PAUL, D. R.
Synthesis and analysis of novel polymers with potential for providing both high permselectivity and permeability in gas separation applications
[DE91-008283] 11 p1689 N91-19309
PAUL, DOUGLAS B.
A physiologically motivated front end for speech recognition
[AD-A233727] 18 p2973 N91-26414
PAUL, LEE E.
Using simulation to evaluate the safety of proposed ATC operations and procedures
[DOT/FAA/CT-TN90/22] 06 p0779 N91-14318
PAUL, MICHAEL A.
In-Process Inspection Study (IPIS) for abrasive machining (honing)
[AD-A236244] 22 p3656 N91-30352
PAUL, R.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
PAUL, W.
Insert technology: Re-evaluation of the potting procedure 03 p0329 N91-11832
PAULETTI, R. O.
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-628758] 02 p0271 N91-11524
PAULEY, K. A.
Design considerations for a ceramic fabric radiator
[DE90-016342] 01 p0029 N91-10173
The 0-G experiments with advanced ceramic fabric wick structures
[DE91-015531] 21 p3492 N91-29377
PAULEY, KEITH A.
Advanced ceramic fabric body mounted radiator for Space Station Freedom Phase O design
[DE90-016361] 01 p0017 N91-10104
PAULEY, LAURA L.
A study of methods to investigate nozzle boundary layer transition 20 p3297 N91-28232
PAULI, H. C.
Light-cone quantization of quantum chromodynamics
[DE91-013991] 20 p3402 N91-28856
PAULIKAS, A. P.
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979
PAULIUS, L.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
High-temperature ceramic superconductors
[AD-A234620] 18 p3068 N91-26953
PAULL, A.
Preliminary calibration of a generic scramjet combustor
[NASA-CR-187539] 13 p2025 N91-21139

PAULSON, M. R.
A lidar technique for adjusting aerosol model number densities close to the ocean surface
[AD-A232042] 16 p2689 N91-24883
PAULSON, RON
Growth and characterization of crystals for IR detectors and second harmonic gereration devices
19 p3268 N91-28078
PAULSON, S. E.
Aerosol formation in atmospheric mixtures
[PB91-129114] 11 p1739 N91-19560
PAULSSON, MAGNUS
Analog CMOS/SOS in radiative environments
24 p3999 N91-32350
PAULUS, G.
Utilization of dynamic crushing tests in digital simulations
[ISL-CO-257/88] 04 p0538 N91-12981
PAULUS, RICHARD A.
Air/sea temperature probe
[AD-D014674] 11 p1706 N91-19397
Specification for a standard radar sea clutter model
[AD-A230848] 13 p2071 N91-21409
PAULUS, U.
Morphological, electronmicroscopical and biochemical aspects of hyper-gravity conditions during early ontogenetic development of Cichlid fish
11 p1752 N91-19638
PAUR, R. J.
Chemistry related to semiconductor growth involving organometallics
[AD-A229489] 22 p3758 N91-30947
PAUSDER, HEINZ-JUERGEN
Handling qualities evaluation for highly augmented helicopters
15 p2372 N91-23128
PAUTASSO, GABRIELLA
A review of momentum confinement in tokamak plasmas
[PB91-164087] 19 p3250 N91-27975
PAUTLER, E. L.
The phototoxicity of blue light on the functional properties of the retinal pigment epithelium
[AD-A230072] 12 p1928 N91-20612
PAVARD, E.
New technologies and customer acceptance
03 p0308 N91-11726
PAVLI, ALBERT J.
New method of making advanced tube-bundle rocket thrust chambers
[NASA-TM-103617] 07 p0965 N91-15301
PAVLIK, D.
Conceptual design and system studies for a 600 kW repetitive pulse transformer
[DE91-010585] 15 p2418 N91-23389
PAVLOV, G. G.
Maser cyclotron instability in a plasma with anisotropic distribution function 06 p0919 N91-15075
Annihilation radiation of strongly-magnetised electron-positron plasma with power-law distributions of particles 06 p0920 N91-15078
PAWEL, J. E.
Ion beam enhanced adhesion of iron films to sapphire substrates
[DE91-015931] 23 p3820 N91-31308
PAWLOWSKY, KARIN
Mutation induction in dried yeast cells after irradiation with selected UVC- and UVB- wavelengths compared to simulated sunlight 11 p1760 N91-19686
PAXSON, DANIEL E.
A model for the space shuttle main engine high pressure oxidizer turbopump shaft seal system
[NASA-TM-103697] 12 p1906 N91-20489
PAXTON, A. T.
Mechanical properties of semiconductors and their alloys
[AD-A231820] 14 p2331 N91-22878
PAYLOR, EARNEST D.
Report of the panel on lithospheric structure and evolution, section 3 13 p2106 N91-21592
PAYNE, C. B.
The high technology test bed: A research programme for technology development 10 p1467 N91-18089
PAYNE, FRANCIS M.
Visualization of leading edge vortices on a series of flat plate delta wings
[NASA-CR-4320] 12 p1831 N91-20062
PAYNE, G. L.
Configuration space Faddeev calculations
[DE91-008517] 12 p1978 N91-20887
PAYNE, KIRK I.
An investigation of the stability of the cost performance index
[AD-A229498] 22 p3769 N91-31018
PAYNE, M. G.
Large collective lamb shifts in high pressure noble gases
[DE90-017761] 04 p0528 N91-12924
PAYNE, M. J. P.
Reflectivity estimates for laser rangefinder targets at 1.06 and 2.06 microns wavelengths
[RSRE-MEMO-4339] 12 p1905 N91-20482
PAYNE, R. C.
Noise levels of USAF aircraft in exercise Luce Belle
[NPL-RSA(EXT)-16] 24 p4094 N91-32873
PAYNE, S. A.
Platinum solubility in phosphate laser glass
[DE91-015123] 20 p3353 N91-28571
Thermal-mechanical and physical-chemical properties of phosphate laser glasses
[DE91-016604] 24 p3979 N91-32227
Laser performance and optical properties of LiSrGaF6:Cr(3+)
[DE91-016555] 24 p4023 N91-32481
Spectroscopic properties of Nd3+ dopant ions in phosphate laser glass
[DE91-017665] 24 p4112 N91-32985
PAYNE, WILLIAM
Study of space qualification specifications
[CTN-91-60201] 23 p3801 N91-31199
PAYSON, J. S.
Annealing characteristics of irradiated hydrogenated amorphous silicon solar cells 11 p1672 N91-19214
PEAK, J. E.
ExperCAT: An Expert system for analysis and short-term prediction of Clear Air Turbulence
[AD-A237588] 22 p3710 N91-30645
PEAK, J. G.
Protection against UVA-induced photooxidative damage in mammalian cell lines expressing increased levels of metallothionein
[DE91-010791] 17 p2822 N91-25596
PEAK, JAMES A.
An expert system approach for prediction of maritime visibility obscuration
[AD-A238305] 21 p3543 N91-29688
PEAK, M. J.
Protection against UVA-induced photooxidative damage in mammalian cell lines expressing increased levels of metallothionein
[DE91-010791] 17 p2822 N91-25596
PEAL, K. R.
Arctic remote autonomous measurement platform post CEAREX engineering report
[AD-A232843] 15 p2432 N91-23471
PEARCE, DANIEL
Computational fluid dynamics analysis of space shuttle main propulsion feed line 17-inch disconnect valves
02 p0150 N91-10876
PEARCE, KARLA
Information needs in the sciences: An assessment
16 p2698 N91-24942
PEARCE, R. P.
Coordination of mesoscale meteorological research between ASL and European groups
[AD-A233586] 18 p3014 N91-26639
PEARCE, S. J.
Transition control via boundary layer heating
[ARE-TR-88503] 05 p0660 N91-13667
PEARLSTEIN, ARNE J.
Development of the wake behind a circular cylinder impulsively started into rotatory and rectilinear motion: Intermediate rotation rates
[NASA-CR-187512] 10 p1462 N91-18063
PEARLSTEIN, SOL
Data requirements for intermediate energy nuclear applications
[DE91-004005] 06 p0871 N91-14812
PEARSON, ALLAN E.
Parameter identification for nonlinear aerodynamic systems
[NASA-CR-187410] 07 p0935 N91-15126
PEARSON, D.
Tractable high performance polymers
[AD-A231072] 13 p2057 N91-21320
PEARSON, D. W.
Fast neutron dosimetry
[DE91-016907] 24 p4097 N91-32894
PEARSON, DALE S.
Effect of surface forces on the rheology of particle-liquid systems and the consolidation of ceramic powders
[AD-A234375] 18 p2941 N91-26221
PEARSON, DONALD J.
Guide to Canadian aerospace-related industries
[AD-A230151] 12 p1880 N91-20332
PEARSON, E. W.
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785
PEARSON, JEROME
Achievable space elevators for space transportation and starship acceleration 14 p2202 N91-22162
PEARSON, RICHARD J.
Small scale shock tube experiments using a computer controlled active rarefaction wave eliminator
[AD-A227507] 08 p1098 N91-16029
PEASE, ADAM
Translating expert system rules into Ada code with validation and verification
[NASA-CR-187505] 18 p3043 N91-26800
PEASE, D. M.
Lightweight disk alloy development
[AD-A237064] 21 p3481 N91-29309
PEASE, R.
Reflection mask technology for soft x ray projection lithography
[DE91-012561] 20 p3405 N91-28877
PEBERDY, R. J.
The design of the ground segment to provide optimum service at minimum cost 14 p2208 N91-22192
PECH, GREG
Payload spin assembly for the commercial Titan launch vehicle 16 p2642 N91-24621
PECHACEK, R. E.
Density channel tracking studies on Pulserad
[AD-A232649] 15 p2506 N91-23888
PECHAN, MICHAEL J.
Magnetic multilayer interface anisotropy
[DE91-000702] 03 p0338 N91-11896
PECK, ALEXANDER N., II
System and method for automatically fabricating multiple memory holographic elements
[PATENT-1-253-724] 23 p3872 N91-31600
PECK, JOHN C.
Automated guided vehicles
[AD-A229477] 22 p3683 N91-30510
PECKERAR, MARTIN C.
Method and electronic Neural net for maximum entropy solutions of ill-posed problems
[AD-D014575] 07 p0997 N91-15474
PECKHAM, D. H.
Aerodynamics of combat aircraft controls and of ground effects
[AGARD-AR-271] 24 p3950 N91-32082
PECKNOLD, DAVID A.
A framework for 3-D nonlinear modeling of thick-section composites
[AD-A232973] 16 p2589 N91-24349
PEDDER, JOCELYN
Critique of a process proposed to determine CF aircrew/cockpit compatibility
[DCIEM-R88-7C] 22 p3720 N91-30705
PEDEN, JEFFERY H.
Documentation for the token ring network simulation system
[NASA-CR-188093] 13 p2141 N91-21789
Analysis of exhaustive limited service for token ring networks
[NASA-CR-188092] 13 p2141 N91-21790
Queueing models for token and slotted ring networks
[NASA-CR-188091] 13 p2142 N91-21791
PEDERSEN, H.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
PEDERSEN, JAN S.
Software development using VDM
[AD-A235996] 19 p3226 N91-27830
PEDERSEN, JOHN F.
Investigation of a multifrequency reconfigurable phased array antenna
[AD-A236422] 19 p3151 N91-27416
PEDERSEN, MELVIN A.
Canonical eigenvalues. Part 2: Application to one-layer, bounded, underwater acoustic ducts
[AD-A227451] 08 p1213 N91-16677
PEDERSEN, OLE
Withstanding voltage degradation of EEE components due to cavity pressure loss 24 p3993 N91-32313
Total dose characterization of new components for the ESA radiation effects database
24 p4000 N91-32362
PEDERSON, L. R.
Ultra-fine powders using glycine-nitrate combustion synthesis
[DE91-012926] 20 p3325 N91-28412
PEDLAR, A.
The morphology of Sersic-Pastoriza galaxies
08 p1252 N91-16893
PEDRAZA, D. F.
Radiation damage in Al2O3 crystals implanted with 3.8 MeV Fe(2+)
[DE90-016038] 01 p0129 N91-10761
The stability of irradiation-induced defects in NiAl
[DE90-017744] 02 p0197 N91-11103

High energy iron ion implantation into sapphire
[DE90-017736] 02 p0279 N91-11568
The stability of irradiation-induced defects in Ni3Al
[DE91-005514] 10 p1605 N91-18856

PEDRAZZOLI, G.
SMA applications in an innovative multishot deployment mechanism 16 p2642 N91-24622

PEDRESCHI, DINO
Studies in pure PROLOG: Termination
[CWI-CS-R9048] 17 p2833 N91-25656

PEDRONI, GENA M.
Formulative evaluation study of a prototype near-infrared projection system: Night vision goggle study
[AD-A231759] 16 p2664 N91-24739

PEDROTTI, L. R.
Robot development for nuclear material processing
[DE91-016567] 24 p4027 N91-32502

PEDROW, PATRICK DENNIS
Electron temperature and concentration in a thermal atomic oxygen source 10 p1632 N91-19002

PEEBLES, D. E.
CO2 induced inhibition of the localized corrosion of aluminum, Al-0.5 percent Cu, and Al-2 percent Cu in dilute HF solution
[DE91-005312] 13 p2052 N91-21292
Surface cleaning by laser ablation
[DE91-009189] 13 p2091 N91-21505
Metastable pitting corrosion of aluminum, Al-Cu, and Al-Si thin films in dilute HF solutions and its relevancy to the processing of integrated circuit interconnections
[DE91-012014] 18 p2957 N91-26320
Adhesion between CVD diamond films and tungsten
[DE91-013757] 20 p3329 N91-28434

PEEBLES, H. C.
Surface cleaning by laser ablation
[DE91-009189] 13 p2091 N91-21505

PEEBLES, W. A.
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888

PEEL, C. J.
The development of aluminum lithium alloys: An overview 03 p0340 N91-11906

PEELING, N. E.
KeepSake: A database kernel
[RSRE-88014] 07 p1049 N91-15756
TDF specification
[RSRE-91005] 22 p3729 N91-30756

PEER, R. L.
Overview of climate information needs for ecological effects models
[PB91-125898] 11 p1736 N91-19549
Global warming mitigation potential of three tree plantation scenarios
[PB91-159608] 17 p2809 N91-25528

PEERCY, PAUL S.
LWIR detector research in InAsSb/InAs 06 p0798 N91-14406

PEERENBOOM, J. P.
Evaluation of knowledge-based system development tools
[DE91-017241] 24 p4092 N91-32860

PEERY, KELTON M.
Turbulent swirling flow in combustor/exhaust nozzle systems
[AD-A236861] 19 p3164 N91-27499

PEGELS, HANS
Europe 1993: Challenge and opportunity for distribution logistics 24 p4114 N91-32998

PEGG, D. J.
The production and destruction of negative ions
[DE91-009517] 13 p2150 N91-21850
Correlation in photodetachment
[DE91-011369] 18 p3061 N91-26908

PEI, S.
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Ruddlesden-Popper phases A(n+1)M(n)O(3n+1): Structures and properties
[DE91-011748] 21 p3591 N91-29973

PEI, S.-Y.
Excess oxygen defects in layered cuprates
[DE90-017669] 02 p0278 N91-11565

PEI, SHIYOU
Defects, oxygen ordering and properties of La-Cu-O and Ba-Bi-O superconductors
[DE91-008811] 12 p1992 N91-20967

PEIFER, W. R.
Cluster beam analysis via photoionization
[AD-A234111] 18 p2946 N91-26253

PEIFER, WILLIAM R.
Cluster production in free-jet expansions: Chlorobenzene seeded in ammonia
[AD-A224692] 03 p0337 N91-11887
Cationic polymerization within van der Waals clusters of the form (CH2=R)n where R=CH2, CF2 and CHCH3
[AD-A234233] 18 p2946 N91-26255

PEIGNET, COLETTE
The T/R modules for phased-array antennas 07 p0942 N91-15165

PEILE, ROBERT E.
Study of a co-designed decision feedback equalizer, deinterleaver, and decoder
[NASA-CR-187961] 10 p1514 N91-18332

PEILERT, G.
SDI: Statistical Dynamic Interactions
[DE91-012034] 20 p3397 N91-28827

PEIO, KAREN J.
An advanced knowledge and design acquisition methodology: Application for the pilot's associate
[AD-A233700] 18 p3034 N91-26748

PEIX, G.
Nondestructive measurement of thickness and density of composite materials by Compton backscattering
[REPT-911-430-112] 15 p2394 N91-23255

PEKALA, R. W.
Organic aerogels: A new type of ultrastructured polymer
[DE91-008500] 13 p2056 N91-21312
Melamine-formaldehyde aerogels
[DE91-012084] 20 p3325 N91-28408

PEKNY, J. F.
An exact algorithm for funding undirected Hamiltonian cycles based on a two-matching problem relaxation
[AD-A237241] 21 p3555 N91-29753
An exact two-matching based branch and bound algorithm for the symmetric traveling salesman problem
[AD-A237878] 21 p3566 N91-29823

PELED, EMANUEL
Advanced calcium-thionyl chloride high-power battery
[AD-A229168] 09 p1329 N91-17302

PELEGRIN, MARC J.
Four dimensional navigation in air traffic with 4-D navigation aircraft 02 p0174 N91-10991

PELISSIER, CHRISTIAN
Transition length determination in the F1 wind tunnel, test report
[ONERA-PV-1/8571-GY] 23 p3782 N91-31089

PELLAT, R.
The gravitational wakefield of a molecular cloud in a disk galaxy 05 p0752 N91-14188
Accretion disk instability and spokes in Saturn's rings 06 p0922 N91-15094

PELLEGRINO, P.
Thermal-vacuum test of IRIS grabber mechanism 07 p0953 N91-15241

PELLENBARG, ROBERT E.
Water solubility of bis(2-ethylhexyl) hydrogen phosphite
[AD-A234561] 18 p2947 N91-26259

PELLERIN, C. J.
The astrophysics program at the National Aeronautics and Space Administration (NASA) 09 p1431 N91-17883

PELLERIN, VINCENT
Study of the wear behavior induced by fretting in aluminum and titanium alloys
[ECL-90-01] 02 p0220 N91-11229

PELLETIER-TRAVIS, RAMONA E.
Airborne Ground Penetrating Radar (GPR) for peat analyses in the Canadian Northern wetlands study 17 p2798 N91-25479

PELLETIER, G.
Nonlinear plasma effects in the environment of active galactic nuclei 06 p0921 N91-15085

PELLETIER, GARY P.
Response of an alumina fiber reinforced aluminum composite to combined tension-torsion
[AD-A239560] 23 p3809 N91-31245

PELLETIER, MICHAEL E.
An experimental study of a sting-mounted single-slot circulation control wing
[AD-A229867] 11 p1653 N91-19111

PELLETIER, R. E.
Utility of remotely sensed data for identification of soil conservation practices
[NASA-CR-176874] 02 p0228 N91-11276

PELLETT, G. L.
Effects of H2O, CO2, and N2 air contaminants on critical airside strain rates for extinction of hydrogen-air counterflow diffusion flames 09 p1298 N91-17126

PELLIN, M. J.
Laser desorption/photoionization time-of-flight mass spectrometry of polymer additives
[DE90-017808] 03 p0343 N91-11923
Second harmonic generation and sum frequency generation
[DE91-006654] 10 p1609 N91-18883
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
Sputtering of molecules from ZnS, CdS, and FeS2
[DE91-010279] 17 p2870 N91-25878

PELLIZZARI, E. D.
Measurements of exhaled breath using a new portable sampling method
[PB90-250135] 04 p0550 N91-13053

PELLOUX-GERVAIS, P.
Morphological and functional adaptation of personal equipment designed for female personnel 02 p0247 N91-11374

PELTIER, J. M.
Effect of thermal exposure, forming, and welding on high-temperature, dispersion-strengthened aluminum alloy: Al-8Fe-1V-2Si
[NASA-CR-187575] 24 p3974 N91-32200

PELTON, JOSEPH N.
Advanced Satellite Research Project: SCAR Research Database. Bibliographic analysis
[NASA-CR-186086] 18 p2933 N91-26182

PELTONEN, JUHANI K.
Development of components and subsystems for low noise receivers at micro- and millimeter waves
[S-187] 11 p1700 N91-19363

PELTZER, GILLES
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591

PELUSO, S. E.
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482

PELZL, ROBERT M.
Transient x ray irradiation of high transition temperature superconducting material
[AD-A227090] 06 p0881 N91-14869

PEMHA, ELKANA
Markov model of the propagation of a light wave in a heated turbulent media
[ECL-90-06] 01 p0122 N91-10723

PEMSLER, J. P.
Pyrite cathode material for a thermal battery
[AD-D014945] 21 p3508 N91-29475

PENA, G. E.
Gaseous prebreakdown processes that are important for pulsed power switching
[DE91-015902] 21 p3510 N91-29487

PENA, LUIS R.
The space exploration initiative. Operational efficiency panel space-basing technology requirements 20 p3299 N91-28253

PENA, RICARDO
XTRAN: An atmospheric transmittance code based on XSCALE
[AD-A237624] 21 p3541 N91-29674
A manual method for determining the fractional stability category
[AD-A237627] 21 p3541 N91-29675

PENCIL, ERIC J.
Performance characterization of a segmented anode arcjet thruster
[NASA-TM-103227] 01 p0020 N91-10118

PENDER, MARIE
A protein coated piezoelectric crystal detector
[AD-A223848] 02 p0276 N91-11552

PENDERGAST, D. R.
Gravitational force and the cardiovascular system 17 p2819 N91-25579

PENDERGRAFT, ODIS C., JR.
Parametric study of afterbody/nozzle drag on twin two-dimensional convergent-divergent nozzles at Mach numbers from 0.60 to 1.20
[NASA-TP-2640] 06 p0778 N91-14316
Static thrust-vectoring performance of nonaxisymmetric convergent-divergent nozzles with post-exit yaw vanes
[NASA-TP-3085] 13 p2011 N91-21059

PENDLETON, JAMES
OSSE data flow and analysis
[AD-A236224] 19 p3168 N91-27515

PENDLETON, R.
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592

PENDLETON, YVONNE J.
Infrared studies of dust grains in infrared reflection nebulae 06 p0899 N91-14970

PENDLEY, BRADFORD D.
Voltammetric measurement of bimolecular electron-transfer rates in low ionic strength solutions
[AD-A229913] 12 p1865 N91-20245
Voltammetric measurement of biomolecular electron-transfer rates in low ionic strength solutions
[AD-A229918] 12 p1865 N91-20246

PENETRANTE, B. M.
Surface electron emission induced by slow multicharged ions
[DE91-010469] 15 p2503 N91-23865
Interaction of slow highly-charged ions with a metal surface
[DE91-010470] 19 p3128 N91-27284
Nonequilibrium simulation of the commutation phase in a back-lit thyratron
[DE91-010471] 19 p3155 N91-27443
Ionization induced frequency shifts in subpicosecond laser pulses
[DE91-010472] 19 p3171 N91-27529
Production of cold highly-ionized plasmas by intense subpicosecond lasers
[DE91-010461] 19 p3247 N91-27960

PENG, CHEN
Glare and age: Acquisition of a clinical data base for aircrew standards
[AD-A229237] 09 p1372 N91-17541

PENG, JULIN
Fractal analysis of crystalline surfaces at atomic resolution
[DE91-617803] 16 p2696 N91-24927

PENG, SONGCUN
Theory and simulent design of a type of auto-self-protecting optical switches
[AD-A225344] 03 p0360 N91-12021

PENG, T. K.
A carrier-arraying demonstration at Goldstone for receiving Pioneer 11 signals 24 p3987 N91-32273

PENG, XIE
Buffer cache design of the TUMULT filesystem
[MEMO-INF-90-65] 10 p1566 N91-18612

PENG, Y.-K. M.
Dependence of CIT (compact ignition tokamak) PF (poloidal field) coil currents on profile and shape parameters using the control matrix
[DE91-002650] 05 p0720 N91-14019

PENG, YINGCAI
Convergence of Langevin simulation for complex Gaussian integrals
[DE90-017402] 01 p0114 N91-10665
Color flux distribution in pure SU(2) Lattice Gauge Theory
[DE90-017403] 02 p0280 N91-11574

PENICK, BENSON E.
Encouraging the pursuit of advanced degrees in science and engineering: Top-down and bottom-up methodologies 19 p3271 N91-28095

PENKETT, S. A.
Effect of aircraft emissions on atmospheric ozone in the Northern Hemisphere
[PB91-172072] 19 p3188 N91-27628

PENKO, PAUL F.
Pressure measurements in a low-density nozzle plume for code verification
[NASA-TM-105170] 21 p3467 N91-29228
Experimental and analytical comparison of flowfields in a 110 N (25 lbf) H2/O2 rocket
[NASA-TM-105175] 21 p3468 N91-29230

PENN, LANNING M.
Nimbus-7 TOMS Antarctic ozone atlas: August - December 1990
[NASA-RP-1264] 18 p3015 N91-26651

PENNA, P. J.
Experimental stress measurements for the modified Indal Series 6400 VAWT
[NAE-LTR-LA-310] 21 p3535 N91-29642

PENNAVARIA, A.
Buckling of laminated cylindrical plates including effects of shear deformation 03 p0333 N91-11866

PENNER, J. E.
The effects of climate change on the nitrogen cycle and acid deposition
[DE91-002785] 06 p0843 N91-14659
The relationship between aerosol and drop size distributions in the marine atmosphere
[DE91-006514] 11 p1737 N91-19553
NO(x) pollution from biomass burning: A global study
[DE91-010154] 16 p2655 N91-24691
Simulation of precipitation scavenging in a three-dimensional global model
[DE91-011531] 18 p3007 N91-26606
Global model simulations of the long range transport of soot and sulfur from the Kuwait oil fires
[DE91-015771] 23 p3892 N91-31719
Impact of reactive nitrogen emissions from fossil fuel combustion and biomass burning on atmospheric chemistry
[DE91-017651] 24 p4042 N91-32588

PENNER, JOYCE E.
Global tropospheric chemistry modeling
[DE90-015908] 01 p0068 N91-10409

PENNER, REGINALD M.
Mechanistic investigation of nanometer-scale/lithography at liquid-covered graphite surfaces
[AD-A237085] 21 p3486 N91-29337
Pulse induced nanlithography of graphite in H2O: A road to chemical linkages to the surface?
[AD-A237086] 21 p3486 N91-29338

PENNIMAN, ELIZABETH M.
Surface-bound alkyl monolayers: Electrochemical and structural characterization
[AD-A237604] 22 p3647 N91-30297
Surface-bound biomembranes incorporating receptors: Electrochemical and structural characterization
[AD-A237605] 22 p3647 N91-30298

PENNINGTON, A.
A system approach to the design of superconducting magnets
[DE91-012707] 20 p3427 N91-29010

PENNISI, JOSEPH M.
Spread spectrum communications emulator design
[AD-A235403] 18 p2976 N91-26430

PENNLINE, JAMES A.
Cray performance data from five benchmarks
[NASA-TM-105200] 24 p4083 N91-32806

PENNOCK, STEVE
Modeling pulse driven antenna systems with finite differences
[DE90-010682] 08 p1125 N91-16182

PENNYCOOK, S.
Patterning and overgrowth of nanostructure quantum well wire arrays by LP-MOVPE (low pressure-metalorganic vapor phase epitaxy)
[DE91-000717] 04 p0591 N91-13302

PENNYCOOK, S. J.
Compositional imaging of semiconductor interfaces by Z-contrast Scanning Transmission Electron Microscope (STEM)
[DE90-017763] 02 p0280 N91-11576
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
Growth and transport properties of Y-Ba-Cu-O/Pr-Ba-Cu-O superlattices
[DE91-000721] 07 p1070 N91-15889
Microscopy of semiconducting materials
[DE91-011197] 17 p2873 N91-25892
Direct imaging of ordering in Si-Ge alloys, ultrathin superlattices, and buried Ge layers
[DE91-014580] 20 p3433 N91-29044
High-resolution Z-contrast imaging of superlattices and heterostructures
[DE91-015329] 21 p3594 N91-29994
Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015632] 23 p3931 N91-31969

PENNYPACKER, C.
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
The Berkeley/Anglo-Australian Observatory high-redshift supernova search
[DE91-012348] 18 p3084 N91-27051
The Berkeley search for distant supernovae to measure omega
[DE91-016418] 23 p3938 N91-32010

PENOU, X.
Summary of EEE component anomalies encountered in the SPOT line of Earth observation satellites and lessons derived therefrom for future generations
24 p4001 N91-32367

PENROD, BRUCE
GPS/Loran-C interoperability for time and frequency applications: A survey of the times of arrival of Loran-C transmissions via GPS common mode/common view satellite observations 17 p2858 N91-25803

PENSTON, M. V.
The missing UV absorption lines of NGC 4151
09 p1444 N91-17962

PENTECOST, C. G.
Coherent anti-Stokes Raman spectroscopic measurement of air entrainment in argon plasma jets
[DE91-001936] 05 p0660 N91-13670
Measurement of air entrainment in plasma jets
[DE91-001943] 05 p0719 N91-14013

PENYAZ, YA.
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705

PENZ, P. ANDREW
Radar signal categorization using a neural network
13 p2140 N91-21782

PEOPLES, OLIVER P.
Strategies for biopolymer engineering of PHB-like materials
[AD-A239690] 23 p3820 N91-31313

PEPE, KEVIN
Progress with neural network gulf streams
[AD-A233810] 18 p3017 N91-26658

PEPI, MARC S.
Mechanical and linear viscoelastic properties of high density polyethylene obtained from tensile and dead-load creep tests
[AD-A225203] 03 p0344 N91-11927
Response of an alumina fiber reinforced aluminum composite to combined tension-torsion
[AD-A239560] 23 p3809 N91-31245

PEPIN, FRANCOIS
Simulation of the flow past an impulsively started cylinder using a discrete vortex method
[AD-A233066] 16 p2624 N91-24533

PEPIN, FRANCOIS MICHEL
Simulation of the flow past an impulsively started cylinder using a discrete vortex method
08 p1145 N91-16303

PEPIN, GERARD R.
Traffic model for advanced satellite designs and experiments for ISDN services
[NASA-CR-188802] 23 p3801 N91-31200
Interim Service ISDN Satellite (ISIS) network model for advanced satellite designs and experiments
[NASA-CR-186565] 23 p3854 N91-31488

PEPIN, ROBERT O.
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182

PEPPER, DARRELL W.
A multidimensional finite element method for CFD
13 p2014 N91-21079

PEPPER, G. T.
Computer simulation of photocurrents in P-N junctions using RADSPICE
[AD-A233427] 16 p2621 N91-24513
An evaluation of the HSPICE/RADSPICE circuit simulation code system
[AD-A233429] 16 p2670 N91-24778

PEPPER, L.
ATLS: Catheter and tube placement
24 p4078 N91-32782

PEPPER, STEPHEN V.
Tribological properties of Ag/Ti films on Al2O3 ceramic substrates
[NASA-TM-103784] 11 p1674 N91-19224

PERAIRE, J.
Finite element methods for integrated aerodynamic heating analysis
[NASA-CR-188079] 13 p2018 N91-21101

PERAIRE, JAIME
Finite element methods of analysis for 3D inviscid compressible flows
[NASA-CR-186271] 13 p2081 N91-21463

PERAL, JOSE
Heterogeneous photocatalytic oxidation of atmospheric trace contaminants
[NASA-CR-188200] 16 p2654 N91-24685

PERALA, RODNEY A.
Development and application of linear and nonlinear methods for interpretation of lightning strikes to in-flight aircraft
[NASA-CR-3974] 01 p0094 N91-10548
The effects of the exhaust plume on the lightning triggering conditions for launch vehicles
24 p4056 N91-32656
Evaluating lightning hazards to building environments using explicit numerical solutions of Maxwell's equations
24 p4069 N91-32733

PERBAL, G.
Effect of gravity on the distribution of electron dense chromatin in the nucleus of root statocytes
11 p1758 N91-19672

PERCEC, VIRGIL
Molecular engineering of liquid crystalline polymers by living polymerization. 10: influence of molecular weight on the phase transitions of poly(omega-((4-cyano-4'-biphenyl)oxy)alkyl vinyl ether)s with nonyl and decanyl alkyl groups
[AD-A229768] 12 p1874 N91-20301
Molecular engineering of liquid crystalline polymers by living polymerization. 9: Living cationic polymerization of 5-((4-cyano 4'-biphenyl)oxy)pentyl vinyl ethers and 7-((4-cyano 4'-biphenyl)oxy)heptyl vinyl ether and the mesomorphic behavior of the resulting polymers
[AD-A229769] 12 p1874 N91-20302
Molecular engineering of liquid crystalline polymers by living polymerization. 8: Influence of molecular weight on the phase behavior of poly(omega-((4-cyano 4'biphenyl)oxy)alkyl vinyl ether)s with ethyl, propyl, and butyl alkyl groups
[AD-A229770] 12 p1875 N91-20303

Molecular engineering of liquid crystalline polymers by living polymerization. 7: Influence of copolymer composition on the phase behavior of poly(11-((4-cyano-4'biphenyl)oxy)undecanyl vinyl ether-co-2-((4-cyano-4'-biphenyl)oxy)ethyl vinyl ether)
[AD-A229771] 12 p1675 N91-20304
Molecular engineering of liquid crystalline polymers by living polymerization. 6: Influence of molecular weight on the phase transitions of a 1/1 copolymer of 2-((4-cyano 4'-biphenyl)oxy)ethyl vinyl ether and 8-((4-cyano 4'-biphenyl)oxy)octyl vinyl ether
[AD-A229772] 12 p1875 N91-20305
Molecular engineering of liquid crystalline polymers by living polymerization. 5: Synthesis and mesomorphic behavior of poly(2-(4-cyano-4'-biphenyl)oxy)ethyl vinyl ether-co-8-(4-co-4'-biphenyl)oxy)octyl vinyl ether)
[AD-A229773] 12 p1875 N91-20306
Synthesis and characterization of poly(methylsiloxane)s containing 4-(S(-)-2-methyl-1-butoxy) 4'-(p-(omega-alkan-1-yloxy)benzoyloxy) ene side groups
[AD-A235786] 19 p3251 N91-27984
Synthesis and characterization of poly(methylsiloxane)s containing 5-(S(-)-2-methyl-1-butyl) 2-(4-(11-undecan-1-yloxy)phenyl) 1,3,2-dioxaborinane and 2-(4-(S(-) 2-methyl-1-butoxy)phenyl) 5-(11-undecan-1-yl) 1,3,2-dioxaborinane constitutional isomeric side groups
[AD-A235787] 19 p3251 N91-27985
Synthesis and characterization of polymethacrylates, polyacrylates, and poly(methylsiloxane)s containing 4-(S(-)-2-methyl-1-butoxy) -methylstilbene side groups
[AD-A235788] 19 p3251 N91-27986
Molecular engineering of liquid crystal polymers by living polymerization. Part 15: Molecular design of reentrant nematic mesophases in binary copolymers of omega-(4-cyano-4'-biphenyl)oxy)alkyl vinyl ethers
[AD-A235789] 19 p3251 N91-27987
Engineering of liquid crystalline polymers by living polymerization. Part 12: Synthesis and living cationic polymerization of 4-(S(-)-2-methyl-1-butoxy) 4'-(omega-oxyalkyl-1-vinyl ether)-alpha-methylstilbene with octyl and hexyl alkyl groups
[AD-A235790] 19 p3252 N91-27988
Molecular engineering of liquid crystal polymers by living polymerization. Part 13: Synthesis and living cationic polymerization of 4-((S(-)-2-methyl-1-butyl)oxycarbonyl) 4'-(omega-oxyalkyl-1-vinyl ether)biphenyl with undecanyl and hexyl alkyl groups
[AD-A235791] 19 p3252 N91-27989
Molecular engineering of liquid crystal polymers by living polymerization. Part 14: Synthesis and characterization of binary copolymers of omega-4-cyano-4'-biphenyl)oxyalkyl vinyl ethers containing undecanyl and hexyl, pentyl, and propyl, and undecanyl and propyl pairs of alkyl groups
[AD-A235909] 19 p3252 N91-27992
Molecular engineering of liquid crystal polymers by living polymerization. Part 11: Synthesis and characterization of poly(11-((4-cyano 4'trans-a-cyanostilbene)oxy)undecanyl vinyl ether)
[AD-A235963] 19 p3253 N91-27995

PERCHERNIKOVA, G. V.
Late stages of accumulation and early evolution of the planets 14 p2346 N91-22971

PERCY, J. R.
Short-term FUV flux variability and phase-dependent winds in Be stars 09 p1434 N91-17898

PERDIGAO, J.
Cellular functions of Paramecium under different gravity conditions 11 p1751 N91-19631

PERDUE, SAMARA
Evaluation of on-board hydrogen storage methods for hypersonic vehicles 19 p3273 N91-28108

PEREIRA, JOHN J.
TOVS satellite soundings of the ERICA IOP-2 cyclone
[AD-A237998] 21 p3543 N91-29686

PEREIRA, MARISA TEREZINHA
Physiognomy of vegetation cover in the Pantanal Mato Grossina National Park: A temporal analysis
[INPE-4809-RPE/589] 04 p0539 N91-12989

PEREIRADEOLIVEIRA, AMAURI
Planetary boundary layer dynamics over the Amazon rain forest 02 p0236 N91-11317

PEREPEZKO, J. H.
Phase selection and processing of high temperature intermetallic alloys
[AD-A227910] 08 p1115 N91-16129
Containerless processing of undercooled melts 13 p2060 N91-21339

PERERA, ASANGA HIRAN
Fabrication and electrical characterization of deep-submicron trench-isolated CMOS device structures 08 p1234 N91-16802

PERERA, M.
Surface roughness of flat and curved optical surfaces 19 p3277 N91-28126

PERERA, P. A. B. A. R.
Effect of lubricating oil characteristics on gear vibrations 05 p0668 N91-13710

PERES, P.
How to know CMC... 03 p0333 N91-11865
Mechanical characterisation of fibre-matrix interface in ceramic composites by an instrumented indentation test
[REPT-911-430-114] 15 p2395 N91-23256
How to know CMC
[REPT-911-430-130] 15 p2395 N91-23262

PERES, PATRICK
Theoretical and experimental analysis of the effect of microstructural parameters of the properties of brittle-matrix composites
[ESA-TT-1167] 12 p1863 N91-20238

PERETZ, MOSHE
Color effects in optical systems
[ITN-91-85150] 20 p3405 N91-28878

PEREZ-DAVIS, M. E.
Effects of Martian dust on power system components 18 p3086 N91-27061

PEREZ-DAVIS, MARLA E.
Aeolian removal of dust types from photovoltaic surfaces on Mars 11 p1662 N91-19156
Simulation of Martian dust accumulation on surfaces 11 p1662 N91-19160
Effects of dust accumulation and removal on radiators surfaces on Mars
[NASA-TM-103704] 12 p1858 N91-20204
Sensible heat receiver for solar dynamic space power system
[NASA-TM-104393] 17 p2742 N91-25173
Effects of windblown dust on photovoltaic surface s on Mars
[NASA-TM-104448] 17 p2744 N91-25183

PEREZ-DE-TEJADA, H.
Space physics research in Mexico 07 p0948 N91-15205

PEREZ-ENRIQUEZ, R.
Space physics research in Mexico 07 p0948 N91-15205

PEREZ-MENDEZ, V.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
Digital radiography: Present detectors and future developments
[DE91-005386] 10 p1559 N91-18572

PEREZ, GONZALO
Life cycle management automation programmer's manual
[AD-A232247] 15 p2487 N91-23769
Life cycle management automation user's manual, version 1.1
[AD-A232096] 15 p2520 N91-23968

PEREZ, JOSE L.
The role of analysis in the design of composite materials 16 p2645 N91-24644

PEREZ, JOSEPH D.
Theoretical atomic physics for fusion
[DE90-017280] 01 p0120 N91-10710

PEREZ, M. R.
The long-term monitoring of the spectrophotometric IUE standard stars 09 p1438 N91-17922
Ultraviolet, visual, and infrared studies of galactic extreme emission line objects with very large IR-excess 09 p1442 N91-17950
Multiwavelength studies of southern early type galaxies 09 p1446 N91-17977
Science observations with the IUE using the one-gyro mode 09 p1447 N91-17979

PEREZ, MANUEL
Knowledge extraction methods for the development of expert systems 17 p2732 N91-25130

PEREZ, SHARON E.
Static footprint local forces, areas, and aspect ratios for three type 7 aircraft tires
[NASA-TP-2983] 09 p1276 N91-17014

PERGAL, F.
ACTS propagation terminal prototype planning and design 03 p0353 N91-11970

PERGAL, F. J.
A review of fade detection techniques 03 p0353 N91-11972

PERILLAT, P.
Mars radar mapping: Strong depolarized echoes from the Elysium/Amazonis outflow channel complex 11 p1820 N91-20001

PERISON, JANICE
Thermal stability of jet fuel
[DE90-016801] 01 p0032 N91-10188

PERIYATHAMBY, U.
A leading-edge control surface
[BU-508] 14 p2188 N91-22087

PERKEY, DONALD J.
Comparison of SSM/I measurements to numerically-simulated cloud and precipitation during ERICA 08 p1181 N91-16501
Observation simulation experiments with regional prediction models 08 p1181 N91-16502
The role of the sea-surface temperature distribution on numerically simulated cyclogenesis during ERICA 24 p4061 N91-32688

PERKINS, F. W.
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946

PERKINS, K.
Ultra high temperature particle bed reactor design 14 p2199 N91-22144
Light weight space power reactors for nuclear electric propulsion
[DE91-014803] 21 p3468 N91-29232
A nuclear thermal rocket engine design based on the particle bed reactor suitable for a Mars mission
[DE91-016898] 24 p3967 N91-32160

PERKINS, R.
The CIT physics program
[DE90-012134] 08 p1229 N91-16774

PERKINS, R. A.
Experimental thermal conductivity, thermal diffusivity, and specific heat values for mixtures of nitrogen, oxygen, and argon
[NASA-CR-188769] 22 p3648 N91-30305

PERKINS, S. T.
Single-scatter Monte Carlo compared to condensed history results for low energy electrons
[DE91-015176] 21 p3573 N91-29869

PERKINS, SHARON
A method for tailoring the information content of a software process model
[NASA-CR-187400] 04 p0559 N91-13097
Evaluation of the Trajectory Operations Applications Software Task (TOAST). Volume 2: Interview transcripts
[NASA-CR-187406] 04 p0560 N91-13103
Evaluation of the Trajectory Operations Applications Software Task (TOAST)
[NASA-CR-187408] 04 p0560 N91-13104

PERLACK, R. D.
A summary of the status of biomass conversion technologies and opportunities for their use in developing countries
[DE91-006341] 11 p1726 N91-19506

PERLACK, ROBERT D.
Greenhouse gas emissions in Sub-Saharan Africa
[DE91-005629] 09 p1361 N91-17482

PERLANT, FREDERIC P.
Improved disparity map analysis through the fusion of monocular image segmentations 07 p1024 N91-15623

PERLEY, RICK
Multiband observations of Cygnus A: A study of pressure balance in the core of a powerful radio galaxy 05 p0745 N91-14151

PERLMAN, GARY
User interface development
[AD-A235699] 19 p3219 N91-27795
Support materials for user interface development
[AD-A235835] 19 p3225 N91-27824

PERLMAN, MARVIN
Asymmetric soft-error resistant memory
[NASA-CASE-NPO-17394-1-CU] 23 p3907 N91-31810

PERLMUTTER, S.
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
The Berkeley/Anglo-Australian Observatory high-redshift supernova search
[DE91-012348] 18 p3084 N91-27051
The Berkeley search for distant supernovae to measure omega
[DE91-016418] 23 p3938 N91-32010

PERNAROWSKI, M.
Perturbation techniques for models of bursting electrical activity in pancreatic (beta)-cells
[DE91-013901] 21 p3548 N91-29715

PERNAROWSKI, MARK
Nonlinear resonance
[DE90-010428] 08 p1151 N91-16341

PERNICKA, HENRY JOHN
The numerical determination of nominal libration point trajectories and development of a station-keeping strategy 10 p1484 N91-18178

PERO, H.
The 1989-1992 activities: The BRITE EURAM programme in the field of advanced structural materials
03 p0326 N91-11814
PERON, LEE R.
Multiaxis thrust vectoring using axisymmetric nozzles and postexit vanes on an F/A-18 configuration vehicle
[NASA-TM-101741] 14 p2188 N91-22083
PEROTTO, ALFRED
Effects of ultravacuum and space environment on contact ohmic resistance (AO 138-11)
16 p2724 N91-25090
PERRE, M.
Quality of expert systems: Methods and techniques
[FEL-89-A267] 05 p0674 N91-13747
Quality of expert systems: Algorithms for integrity control
[FEL-89-A312] 05 p0674 N91-13748
Data fusion: A preliminary study
[FEL-90-B356] 22 p3767 N91-31003
PERREAULT, G. C.
High temperature deformation of silicon
[DE91-009102] 13 p2054 N91-21305
PERRET, J. D.
Design concepts and performance of NASA X-band (7162 MHz/8415 MHz) transponder for deep-space spacecraft applications 10 p1513 N91-18328
PERRETTA, JAMES
Millimeter wave TWT life test monitor
[AD-A226111] 04 p0527 N91-12920
PERRIN, J. M.
Optical properties of irregular interstellar grains
06 p0904 N91-14995
PERRIN, RONALD E.
An expert system for the identification of silicon impurities using FTIR spectroscopy
[AD-A236504] 23 p3809 N91-31246
PERRIN, Y.
Mechanical and metallurgical aspects of warm temperature forcing
[CETIM-105430] 12 p1868 N91-20263
PERRING, T. G.
High energy spin waves in iron measured by neutron scattering
[DE91-017868] 24 p4099 N91-32902
PERRINJAQUET, CLAUDE
Study of seasonal variation of mixing phenomena in the hypolimnion of Lake Geneva (Switzerland)
12 p1898 N91-20438
PERRON, GERALD
A study of electrolytes for lithium batteries
[INRS-NRG-326-RF] 22 p3669 N91-30428
PERROT, F.
Phase separation of a binary fluid near its critical point (TEXUS 11) 23 p3833 N91-31377
Phase separation in microgravity of binary fluids near the critical point (TEXUS 13) 23 p3833 N91-31378
PERROT, HUBERT
Investigation and development of ISFET type chemical sensors, sensitized by dielectric tying
[ECL-90-18] 05 p0653 N91-13630
PERRY, A. M.
The potential role of nuclear power in controlling CO2 emissions
[DE91-006665] 10 p1545 N91-18502
PERRY, ARTHUR T.
Retrievable Payload Carrier (RPC): Next generation Long Duration Exposure Facility 16 p2726 N91-25097
PERRY, BOYD, III
Computation of maximum gust loads in nonlinear aircraft using a new method based on the matched filter approach and numerical optimization 01 p0053 N91-10317
An overview of the active flexible wing program
14 p2229 N91-22332
PERRY, CHARLEEN
NSSDC: Preserving time with technological advances
09 p1447 N91-17985
ULDA user's guide
[NASA-TM-105074] 23 p3908 N91-31813
PERRY, CHARLES A.
A solar-luminosity model and climate
03 p0444 N91-12482
Speculation on a solar chronometer for climate
03 p0448 N91-12505
PERRY, CHARLES AUGUST
A solar chronometer for climate: Astronomical and geophysical evidence 05 p0687 N91-13823
PERRY, D. R.
The radiation hardness test facility
[RAL-90-065] 08 p1098 N91-16030
PERRY, D. S.
Molecular eigenstate spectroscopy: Application to the intramolecular dynamics of some polyatomic molecules in the 3000 to 7000 cm(exp -1) region
[DE91-013154] 20 p3399 N91-28839
PERRY, J.
Monitoring and control of atmosphere in a closed environment 14 p2362 N91-23071
PERRY, J. L.
Space Station Freedom Environmental Control and Life Support System (ECLSS) phase 3 simplified integrated test trace contaminant control subsystem performance
[NASA-TM-4202] 01 p0017 N91-10103
PERRY, JAMES C.
M-dimensional computer memory with M-1 dimensional hyperplane access
[AD-D014615] 05 p0698 N91-13886
Toroidal computer memory for serial and parallel processors
[AD-D014631] 09 p1374 N91-17548
PERRY, JOHN E., JR.
Spectrophotometer-integrating-sphere system for computing solar absorptance
[NASA-TM-4252] 12 p1902 N91-20465
PERRY, L. ELAINE
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors 06 p0795 N91-14394
PERRY, M. D.
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility
[DE91-001685] 05 p0665 N91-13698
Design and performance of a multiterawatt, subpicosecond neodymium glass laser
[DE91-006749] 09 p1344 N91-17381
Development of a subpicosecond, tunable LiCAF (Cr:LiCaAlF6) laser
[DE91-012082] 18 p2993 N91-26526
PERRY, P. L.
Characterization of Mo/B4C multilayers
[DE91-011192] 17 p2864 N91-25839
PERRY, RONALD B.
Impact damage in curved graphite/epoxy panels with clamped edges
[AD-A230853] 13 p2046 N91-21257
PERRY, RONNIE B.
Improving the performance of blasting caps
[NASA-CASE-LAR-13832-1] 20 p3330 N91-28444
PERRY, STEVEN G.
An advanced screening model for complex terrain applications
[PB91-162693] 19 p3188 N91-27631
PERRY, T. S.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252
PERRY, TONY R.
The reactive bed plasma system for contamination control 07 p1080 N91-15945
PERRYMAN, M. A. C.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
PERSAD, C.
Controlling fundamentals in high-energy high-rate pulsed power materials processing of powdered tungsten, titanium aluminides, and copper-graphite composites
[AD-A230900] 13 p2053 N91-21298
PERSELLO, L. F.
Differential GPS terminal area test results
[AD-A232668] 15 p2369 N91-23106
PERSELLO, L. FRANK
Differential Global Positioning System (DGPS) test plan
[DOT/FAA/CT-TN90/15] 01 p0006 N91-10034
Differential GPS terminal area test results
[DOT/FAA/CT-TN90/48] 10 p1469 N91-18100
PERSI, P.
Three-micron spectroscopy of highly reddened field stars 06 p0888 N91-14904
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929
PERSON, LEE H., JR.
Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13854-1-CU] 23 p3787 N91-31120
PERUCCHINI, JEAN
Theoretical study of the flow in a rotating duct. Experimental study through flow visualization in a curved duct
[RAE-TRANS-2189] 21 p3511 N91-29493
PERVAIZ, M. M.
Strategy Combining Regionally Adapted Processes (SCRAP)
[AD-A232158] 15 p2428 N91-23448
PERZANOWSKI, DENNIS
InterFIS: A natural language interface to the fault isolation shell
[AD-A230780] 12 p1958 N91-20773
PESARAN, A. A.
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501
PESCE-RODRIGUEZ, ROSE A.
Condensed-phase processes during solid propellant combustion. 1: Preliminary chemical and microscopic examination of extinguished propellant samples
[AD-A225581] 03 p0347 N91-11943
PESCHKE, W. T.
Hydrogen-fueled scramjet investigation
[AD-A237569] 21 p3459 N91-29183
PESHKOV, R. V.
Experimental assessment of effect of head position on center of gravity of human body in ejections seats
10 p1562 N91-18590
PESTOV, I. D.
Medical results of the fourth prime expedition on the orbital station Mir 11 p1742 N91-19576
Review of primary medical results of year-long flight on Mir station 18 p2933 N91-26178
PETERKA, ROBERT J.
Role of orientation reference selection in motion sickness
[NASA-CR-186612] 01 p0101 N91-10591
Relation between perception of vertical axis rotation and vestibulo-ocular reflex symmetry
[NASA-CR-187997] 11 p1765 N91-19710
PETERKIN, JANE
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737
PETERS, C. J.
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811
PETERS, D.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
PETERS, DAVID A.
Periodic trim solutions with hp-version finite elements in time
[NASA-CR-187705] 05 p0622 N91-13449
Aerodynamic parameter studies and sensitivity analysis for rotor blades in axial flight
[NASA-CR-187524] 14 p2187 N91-22078
PETERS, DAVID J.
The SPAN cookbook: A practical guide to accessing SPAN
[NASA-TM-105054] 22 p3726 N91-30740
Space physics analysis network node directory (The Yellow Pages): Fourth edition
[NASA-TM-105068] 22 p3764 N91-30983
PETERS, G. J.
Short-term FUV flux variability and phase-dependent winds in Be stars 09 p1434 N91-17898
PETERS, H. L.
Capturing, using, and managing quality assurance knowledge for shuttle post-MECO flight design
12 p1943 N91-20691
PETERS, HANNS-JUERGEN
The limits of the landing process of aircraft
[DLR-FB-90-49] 15 p2374 N91-23137
PETERS, HARRY E.
Hydrogen masers with cavity frequency switching servos 17 p2853 N91-25777
PETERS, J. W.
Investigation of polybenzocyclobutene resins in multilayer thin films for electronic packaging
[AD-A235223] 18 p2942 N91-26228
PETERS, JAMES E.
Parametric study of electrostatically charged sprays
[DE90-010580] 08 p1138 N91-16262
PETERS, JEANNE M.
Free vibrations of thin-walled semicircular graphite-epoxy composite frames
[NASA-TP-3010] 05 p0674 N91-13750
PETERS, JOHN W.
High reliability megawatt transformer/rectifier
[NASA-CR-187079] 13 p2075 N91-21430
PETERS, KEVIN A.
Parameters of tensile strength, elongation, and tenacity of 70mm IIaO spectroscopic film
19 p3277 N91-28125
PETERS, LEON, JR.
Joint services electronics program
[AD-A232331] 15 p2419 N91-23402

PETERS, M.
Mechanical properties and fracture toughness of 8090-T651 plate and 2091 and 8090 sheet
[NRL-MP-88049-4] 01 p0025 N91-10151
PETERS, MARC
H sub infinity-control with state feedback: The infinite dimensional case
[W-9015] 10 p1579 N91-18691
PETERS, MATTHEW E.
TM scattering by a variable sheet impedance in a multilayered slab
[AD-A225586] 03 p0358 N91-12004
PETERS, P. N.
LDEF attitude measurement using a pinhole camera with a silver/oxygen atom detector 16 p2706 N91-24973
Interactions of atomic oxygen with material surfaces in low Earth orbit: Preliminary results from experiment A0114 16 p2714 N91-25025
PETERS, RANDY ALAN
Discourse for slide presentation: An overview of chemical detection systems 07 p1079 N91-15940
PETERS, REX
Noise power spectral density of the Sundstrand QA-2000 accelerometer 03 p0433 N91-12426
PETERS, SUSAN T.
Heats of explosion, detonation and reaction products: Their estimation and relation to the first law of thermodynamics 16 p2579 N91-24297
PETERS, TIMOTHY J.
Application of a conjugate gradient method to the synthesis of phase-only planar arrays
[AD-A233756] 18 p2973 N91-26415
PETERS, W.
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041
PETERSEN, DIETER
Thermomechanics tasks and applications
[DLR-MITT-90-14] 13 p2046 N91-21254
PETERSEN, GARY W.
Remote sensing and hydrologic modeling of arid watersheds: A scale analysis
[DE91-004044] 10 p1537 N91-18462
PETERSEN, GENE R.
The conversion of lignocellulosics to fermentable sugars: A survey of current research and application to CELSS 23 p3903 N91-31784
PETERSEN, J. J.
Measurement capabilities of the Sandia, Livermore, Standards Laboratories
[DE91-008124] 13 p2147 N91-21825
PETERSEN, JOHN D.
Intramolecular energy transfer reactions in polymetallic
[DE91-006391] 10 p1606 N91-18864
PETERSEN, P. I.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
DIII-D results and plans
[DE91-001548] 06 p0877 N91-14847
PETERSEN, R.
Proof-of-concept zinc/bromine electric vehicle battery
[DE91-011767] 18 p2981 N91-26463
PETERSEN, STEVEN R.
Space control and the role of antisatellite weapons
[AD-A236844] 19 p3238 N91-27905
PETERSON, A. S.
Feature-Oriented Domain Analysis (FODA) feasibility study
[AD-A235785] 19 p3223 N91-27815
PETERSON, B.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
PETERSON, BRADLEY M.
Ground-based studies of emission-line variability: Recent results for NGC 5548 and future plans
[NASA-CR-180433] 05 p0732 N91-14088
PETERSON, BRIAN K.
Investigation into the failure cause of a double acting, leading edge groove, tilting pad thrust bearing
[AD-A235613] 19 p3174 N91-27549
PETERSON, C. G.
Circular format zig-zag scanning of vidicon tubes
[DE91-016084] 23 p3874 N91-31610
PETERSON, CHARLES E.
Response of forest trees to sulfur, nitrogen, and associated pollutants
[PB90-270539] 09 p1360 N91-17473
PETERSON, D.
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
PETERSON, D. E.
Cubic new compound in the Ba-Ca-Cu-O system: Preliminary phase relationships
[DE91-005880] 10 p1604 N91-18852
PETERSON, D. L.
Computational simulations of plasma flow switches and imploding loads
[DE91-014768] 21 p3509 N91-29480
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955
PETERSON, D. T.
Internal friction peaks due to interstitials in bcc alloys
[DE91-007411] 11 p1683 N91-19272
PETERSON, D. W.
Oxidized porous silicon moisture sensors for evaluation of microelectronic packaging
[DE91-011322] 17 p2770 N91-25331
PETERSON, DAVID L.
Remote sensing of Earth's atmosphere and surface using a digital array scanned interferometer: A new type of imaging spectrometer 17 p2796 N91-25466
Hyperspectral data analysis for estimation of foliar biochemical content along the Oregon transect 17 p2797 N91-25472
Advanced Solid-State Array Spectrometer (ASAS) data sets from the 1990 field season: A unique look at two forested ecosystems 17 p2800 N91-25488
PETERSON, ERIC J.
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867
PETERSON, ERICA
Spectroscopic analyses and performance of copper/zinc impregnated, activated carbons
[AD-A231693] 14 p2239 N91-22387
PETERSON, EVA
Evaluation of a wind profile model
[FOA-E-40045-4.5] 05 p0690 N91-13839
PETERSON, G. A.
Medium energy nuclear physics research
[DE91-015740] 21 p3578 N91-29901
PETERSON, G. P.
Investigation of a tapered artery micro heat pipe for cooling ceramic chip carriers
[AD-A224925] 09 p1331 N91-17312
PETERSON, HEIDI AARLIEN
Image segmentation using human visual system properties with applications in image compression 09 p1329 N91-17299
PETERSON, J.
Hyperswitch communication network 14 p2355 N91-23026
PETERSON, LEIF E.
Radiological health risks to astronauts from space activities and medical procedures
[NASA-TM-102164] 02 p0243 N91-11356
PETERSON, M. J.
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785
PETERSON, R. L.
Simulated rotor test apparatus dynamic characteristics in the 80- by 120-foot wind tunnel
[NASA-TM-102870] 07 p0939 N91-15147
PETERSON, RANDALL L.
Aeroelastic loads and stability investigation of a full-scale hingeless rotor
[NASA-TM-103867] 24 p3960 N91-32134
PETERSON, S. J.
Earth sciences report, 1989 - 1990
[DE91-017132] 24 p4124 N91-33053
PETERSON, T. L.
Fabrication and characterization of high temperature superconducting thin films for sensors and electronics 05 p0724 N91-14041
PETERSON, WAYNE L.
Assured crew return vehicle
[NASA-CASE-MSC-21536-1] 05 p0629 N91-13483
PETHE, R. G.
Effect of excess oxydianiline on the properties of polyimide
[AD-A237467] 21 p3488 N91-29351
PETIAU, C.
Influence of the refinement of structural calculation on aircraft qualification procedures 16 p2646 N91-24649
PETIT, GERARD
The use of precise ephemerides, ionospheric data, and corrected antenna coordinates in a long-distance GPS time transfer 17 p2858 N91-25802
PETIT, JEREMY B.
Development of silicon carbide semiconductor devices for high temperature applications
[NASA-TM-104398] 14 p2337 N91-22921
Advances in silicon carbide Chemical Vapor Deposition (CVD) for semiconductor device fabrication
[NASA-TM-104410] 15 p2516 N91-23946
PETITON, SERGE
Performance effects of irregular communications patterns on massively parallel multiprocessors
[NASA-CR-187514] 13 p2130 N91-21724
PETITT, G. A.
Light particle emissions in heavy ion reactions
[DE91-010746] 15 p2504 N91-23871
PETLEY, D. H.
Cooling system and insulation concept for a Mach 5 turbo-ramjet aircraft 16 p2577 N91-24286
PETLYUK, V. KH.
Experimental assessment of effect of head position on center of gravity of human body in ejections seats 10 p1562 N91-18590
PETOT, D.
Coupled aerodynamic loads due to unsteady stall on a large aspect ratio wing oscillating at great amplitude 06 p0782 N91-14338
PETRAVICK, D.
Design of the Digital Sky Survey DA and online system: A case history in the use of computer aided tools for data acquisition system design
[DE91-016469] 24 p4121 N91-33032
PETRE, G.
Influence of a surface tension minimum on the Marangoni effect (TEXUS 8) ESA 23 p3825 N91-31338
Influence of a surface tension minimum on the Marangoni effect (TEXUS 9) ESA 23 p3826 N91-31339
Influence of a surface tension minimum on the Marangoni effect (TEXUS 19) ESA 23 p3826 N91-31340
PETRE, R
Infrared emission from the supernova remnant Puppis A: Dust and gas parameters 06 p0911 N91-15032
PETREFSKI, CHRIS
Sensible heat receiver for solar dynamic space power system
[NASA-TM-104393] 17 p2742 N91-25173
PETRI, R.
Development of composite latent/sensible heat storage media
[DE91-005636] 10 p1541 N91-18482
PETRICEVIC, V.
Photodynamics and physics behind tunable solid-state lasers
[AD-A238365] 22 p3683 N91-30506
PETRICK, S. WALTER
Flexible thermal apparatus for mounting of thermoelectric cooler
[NASA-CASE-NPO-17806-1-CU] 19 p3146 N91-27385
PETRIE, BRIAN C.
LDEF-space environmental effects on materials: Composites and silicone coatings 16 p2718 N91-25051
PETRIE, H. L.
Large flat plate turbulent boundary layer evaluation
[AD-A225316] 03 p0366 N91-12051
Fundamental hydrodynamics research
[AD-A225030] 03 p0374 N91-12092
A fluorescence technique for measurement of slot injected fluid concentration profiles in a turbulent boundary layer
[AD-A226122] 04 p0522 N91-12908
Evaluation of flush mounted hot-film sensors for skin friction reduction measurements in viscoelastic polymer solutions
[AD-A226121] 04 p0527 N91-12921
Fundamental hydrodynamics research
[AD-A232650] 15 p2428 N91-23451
PETRIE, T. W.
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
Recent gaseous divertor experiments in DIII-D
[DE91-011139] 17 p2867 N91-25859
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
PETRIK, J.
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
PETRIY, O. A.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal 11 p1790 N91-19819
PETRO, ANDREW J.
Orbital debris sweeper and method
[NASA-CASE-MSC-21534-1] 13 p2040 N91-21222
PETRONE, LOUIS
An extension of a kinetic theory of polymer crystallization through the exclusion of negative barriers
[AD-A236999] 20 p3322 N91-28387

PETROSIAN, A. R.
New data on the peculiar galaxy MRK 273
08 p1251 N91-16887
PETROV, N. I.
Optimal parameters of leader development in lightning
24 p4067 N91-32723
Experimental modelling of lightning interaction phenomena with a free potential conducting objects
24 p4068 N91-32729
PETROV, V. M.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission
11 p1759 N91-19679
Principle and realization of the instrument used for the CIRCE experiment on board the Mir station
11 p1760 N91-19684
PETROVA-KOCH, VESSELINKA
Structural and electronic properties of doped a-Si(1-x)Ge(x): H alloys grown with H-solution
[MBB-Z-0251-89-PUB] 03 p0424 N91-12375
PETROVA, G. N.
Optimal parameters of leader development in lightning
24 p4067 N91-32723
PETROVA, N. L.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856
PETROVA, YE. V.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175
PETROVIC, J. J.
ZrO2 reinforced-MoSi2 matrix composites
[DE91-013074] 20 p3304 N91-28288
PETRZILKA, V.
On lower hybrid wave scattering by plasma density fluctuation nonlinear reflection coefficient of the fast magnetoacoustic wave
[IPPCZ-281] 01 p0123 N91-10725
PETRZILKA, V. A.
Multijunction grill response to ponderomotive effects as plasma periphery
[IPPCZ-303] 17 p2866 N91-25851
PETSCHKE, MARTIN
Extremal rays of convex cones and complementary inequalities
[ETN-91-98166] 06 p0865 N91-14778
PETTENPAUL, E.
GaAs MMICs in selfaligned gate technology for phased array radar application 07 p0941 N91-15160
PETTERSON, B. J.
An application of oscillation damped motion for suspended payloads to the advanced integrated maintenance system
[DE91-002658] 05 p0708 N91-13946
Lag-stabilized force feedback damping
[DE91-007572] 11 p1722 N91-19481
PETTIBONE, J.
Inherently safe nuclear-driven internal combustion engines
[DE91-016568] 24 p4027 N91-32503
PETTIT, D. R.
Shock initiation of pentaerythritol tetranitrate crystals: Optical absorption and emission studies
[DE91-013381] 20 p3429 N91-29023
PETTIT, G. D.
Uniaxial stress study of the quantum transitions in a strained layer (001) In0.2Ga0.8As/GaAs single quantum well
[DE91-014990] 21 p3600 N91-30033
PETTITI, V.
Time and frequency comparisons in Europe by means of ECS 5 geostationary satellite
17 p2851 N91-25764
PETTY, GRANT W.
Atmospheric water parameters in mid-latitude cyclones observed by microwave radiometry and compared to model calculations
[NASA-CR-187996] 10 p1556 N91-18558
On the response of the special sensor microwave/imager to the marine environment: Implications for atmospheric parameter retrievals
[NASA-CR-188032] 13 p2119 N91-21664
PETTY, GRANT WILLIAM
On the response of the special sensor microwave/imager to the marine environment: Implications for atmospheric parameter retrievals
23 p3893 N91-31727
PETUSKEY, W. T.
Measurements of grain boundary properties in nanocrystalline ceramics
[DE91-006662] 10 p1503 N91-18273
PETVIASHVILI, N. V.
Filamentary structures in the Sun's atmosphere as singular Alfven waves 06 p0916 N91-15053
PETVIASHVILI, V. I.
Experiments with collision of vortices in rotating and still free-surface shallow water 06 p0920 N91-15080
Toroidal plasma reactor with low external magnetic field
[DE91-011522] 17 p2869 N91-25870
PETWAY, LARRY B.
A modified pump laser system to pump the titanium sapphire laser 04 p0598 N91-13335
PETZOID, L.
Projected implicit Runge-Kutta methods for differential-algebraic boundary value problems
[DE91-000660] 06 p0867 N91-14791
PETZOLD, DONALD E.
Analysis of the boreal forest-tundra ecotone: A test of AVIRIS capabilities in the Eastern Canadian subarctic
[NASA-CR-187335] 06 p0843 N91-14655
PETZOLD, LINDA R.
Numerical methods for boundary value problems in differential-algebraic equations
[DE91-001748] 05 p0709 N91-13956
PEUBE, J. L.
Airfoil-vortex interaction: Unsteady wall pressure measurement
[AAAF-NT-89-13] 23 p3785 N91-31104
A first hot wire scanner
[AAAF-NT-89-16] 23 p3798 N91-31188
PEUQUET, DONNA J.
An assessment of NASA master directory/catalog interoperability for interdisciplinary study of the global water cycle
[NASA-CR-185992] 19 p3182 N91-27597
PEUSER, PETER
The microcrystal laser: A first step on the way to a laser microsystem
[MBB-Z-0336-90-PUB] 23 p3878 N91-31635
PEUSSA, J.
Elevated-temperature fracture resistances (K(sub IC), R-curves, gamma sub (omega OF)) of monolithic and composite ceramics using chevron-notched, bend tests
[NASA-TM-105090] 20 p3326 N91-28418
PEUSSA, J. T.
Chevron-notched, flexure tests for measuring the elevated temperature fracture resistance of structural ceramics
[DE91-009117] 15 p2404 N91-23310
PEUVREL, EDITH
Field 3, theme 1: Structural materials. Post 2: Thermotropic liquid crystal polymers
[ETN-91-99982] 23 p3819 N91-31306
PEW, H. K.
An imaging x-ray microscope using a laser plasma source and a Schwarzchild objective
[DE90-016432] 01 p0045 N91-10266
PEYGHAMBARIAN, N.
Part 1: Ultrafast logic and multiple-beam optical parallel processing using nonlinear etalons. Part 2: Novel devices for all-optical computing. Part 3: Novel nonlinear semiconductor structures for signal processing and optical computing
[AD-A233410] 18 p3043 N91-26799
PEYGIN, S. V.
Laws of heat transfer in three-dimensional viscous shock layer of stream flowing past blunt bodies at some angles of attack and glide 11 p1786 N91-19801
PEYRARD, MICHEL
Chaos and order in non-integrable model field theories
[DE91-002313] 05 p0729 N91-14070
PEYRE, J. P.
Micrographic etching of nitrided iron and steel layers
[CETIM-106470] 05 p0637 N91-13533
PEYSER, T. A.
Reduction of three-halves harmonic emission from laser-produced plasmas with broadwidth induced spatial incoherence at 0.53 micrometers
[AD-A235798] 19 p3250 N91-27974
PEYTON, B. W.
A compute-ahead implementation of the fan-in sparse distributed factorization scheme
[DE91-000531] 07 p1053 N91-15781
A user's guide to PICL: A portable instrumented communications library
[DE91-005648] 09 p1374 N91-17550
A supernodal Cholesky factorization algorithm for shared-memory multiprocessors
[DE91-011255] 17 p2836 N91-25677
PEYTONJONES, J. C.
Describing functions, Volterra series, and the analysis of nonlinear systems in the frequency domain
[RR-396] 07 p1060 N91-15830
PEZZANITI, J. L.
Analysis of polarizing optical systems for digital optical computing with symmetric self electrooptic devices
[AD-A232768] 15 p2509 N91-23906
PEZZINGA, A.
The shell concept to ease the development of knowledge-based systems for spacecraft control
14 p2216 N91-22246
ESSOPE: Expert system for spacecraft operations planning and execution 14 p2218 N91-22258
PFALTZ, J. L.
An introduction to the ADAMS interface language, part 1
[DE91-014344] 20 p3385 N91-28757
Implementation of a hypercube database system
[DE91-014285] 20 p3440 N91-29089
PFALZNER, SUSANNE
Ionization degree of classical, dense, and highly condensed plasmas
[ETN-91-98174] 05 p0722 N91-14027
PFEFFERLE, L. D.
Catalytic combustion of methane
[PB91-206391] 24 p3972 N91-32190
PFEIFER, H. J.
Multi-component laser Doppler anemometers with high-frequency pulsed diode lasers
[ISL-CO-219/89] 03 p0371 N91-12077
The influence of the comparison accuracy in dual-counter LDA signal processors on the measuring error
[ISL-CO-222/89] 03 p0371 N91-12078
PFEIFER, HANS-JOACHIM
Fundamentals of signal processing
23 p3875 N91-31617
Signal processing: Time domain and frequency domain 23 p3876 N91-31620
Review of typical applications. Part 1: Measurements in liquid flows, free jets, combustion, and in the atmosphere 23 p3877 N91-31631
Post-processing of data 23 p3877 N91-31633
Laser Doppler anemometer miniaturized with diode laser
[AAAF-NT-89-06] 23 p3878 N91-31637
PFEIFFER, BERTHOLD
The multisensor image map 1:50,000 Rheinhessen
08 p1169 N91-16434
PFEIFFER, F.
Structural optimization with constraints from dynamics in LAGRANGE
[MBB-FW522/S/PUB/431] 14 p2234 N91-22362
PFEIFFER, H.-J.
Miniature laser Doppler anemometer with laser diode
[ISL-CO-224/88] 04 p0526 N91-12917
PFEIFFER, NEAL J.
Proceedings: Techfest 17
[NIAR-91-1] 10 p1453 N91-18004
PFISTER, K.
Bump examinations of integrally strengthened carbon fiber reinforced plastic panels
[MBB/FE281/CFK/PUB/0013]
08 p1107 N91-16076
PFISTER, LEONHARD
Applications of the ER-2 meteorological measurement system 17 p2794 N91-25457
High altitude aircraft direction using real-time scientific analysis of telemetered data 17 p2800 N91-25489
PFITZNER, M.
Calculation of viscous hypersonic flows using a coupled Euler/2nd order boundary layer method
[MBB/FE122/S/PUB/387] 02 p0161 N91-10935
A shock-fitting algorithm for the simulation of inviscid flows in chemical non-equilibrium
[MBB-UK-0131-90-PUB] 23 p3782 N91-31087
PFLUGER, P. R.
Geometrically smooth interpolation by triangular Bernstein-Bezier patches with coalescent control points
[MATHS-MEMO-888] 10 p1581 N91-18702
PFLUGRATH, J. W.
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-008832] 12 p1902 N91-20464
PHADKE, ARUN G.
Precise synchronization of phasor measurements in electric power systems 17 p2855 N91-25788
PHAM, T. T.
A carrier-arraying demonstration at Goldstone for receiving Pioneer 11 signals 24 p3987 N91-32273
PHAN, MINH
Passive dynamic controllers for nonlinear mechanical systems
[NASA-TM-104047] 13 p2103 N91-21573
Identification of linear multivariable systems from a single set of data by identification of observers with assigned real eigenvalues
[NASA-TM-102669] 13 p2103 N91-21575
Identification of observer/Kalman filter Markov parameters: Theory and experiments
[NASA-TM-104069] 17 p2790 N91-25437

PHANEUF, R. A.
Assessment of ion-atom collision data for magnetic fusion plasma edge modelling
[DE91-001920] 05 p0719 N91-14012
Few-body problems, electron-correlation effects, and beyond
[DE91-010030] 15 p2502 N91-23857
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
Electron capture in very low energy collisions of multicharged ions with H and D in merged beams
[DE91-015617] 21 p3579 N91-29909
PHANEUF, RONALD A.
Atomic data for fusion. Volume 1: Collisions of H, H2, He and Li atoms and ions with atoms and molecules
[DE91-000527] 04 p0581 N91-13238
Electron capture by multicharged ions from hydrogen atoms at eV energies
[DE91-001214] 04 p0582 N91-13243
PHANORD, DIEUDONNE D.
Analytical study of the effects of clouds on the light produced by lightning 10 p1632 N91-19003
PHARAOH, K. I.
Acoustic damping of honeycomb-construction plates by pressure-sensitive adhesives
[NPL-DES-107] 24 p4094 N91-32872
PHARR, GEORGE M.
Modeling the surface and interior structure of comet nuclei using a multidisciplinary approach
[NASA-CR-188635] 22 p3775 N91-31052
PHATAK, ANIL V.
A function-based approach to cockpit procedure aids 02 p0164 N91-10953
PHEENY, H. T.
Accommodation of female aircrew in USN protective flight clothing and equipment 02 p0247 N91-11375
PHELPS, A. V.
Detection of excited states by laser-induced fluorescence and analysis of energy transfer
[AD-A227296] 07 p1007 N91-15531
PHELPS, D. K.
The effects of donor-acceptor electronic interactions on the rates of gas-phase metallocene electron-exchange reactions
[AD-A237459] 21 p3574 N91-29878
PHELPS, MALCOM V.
Software for aerospace education: A bibliography, 2nd edition
[NASA-PED-106-ED-2] 08 p1201 N91-16601
PHELPS, NORMAN N.
An automatic gore panel mapping system 10 p1488 N91-18198
PHELPS, P. W.
Fabrication and performance analysis of 4-sq cm indium tin oxide/InP photovoltaic solar cells 22 p3631 N91-30205
PHENNEGER, M. C.
A comparison of operationally determined atmospheric densities from satellite orbit solutions and the exospheric temperature from the Jacchia-Roberts model 09 p1289 N91-17083
PHILBECK, THOMAS E., JR.
Testing and evaluation of the catalyst research MiniOX 3 oxygen monitor
[AD-A239665] 23 p3906 N91-31807
PHILIPONA, R.
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888
PHILIPP, WARREN H.
Method of making contamination-free ceramic bodies
[NASA-CASE-LEW-14984-1] 08 p1120 N91-16152
Synthesis and thermal properties of strontium and calcium peroxides
[NASA-TM-103725] 14 p2243 N91-22410
PHILIPPE, J. J.
Considerations on wind-tunnel testing techniques for rotorcraft 10 p1461 N91-18057
PHILIPPE, JEAN-LAURENT
Programming of massively parallel computers. Applications to integer factoring
[ETN-91-99482] 22 p3737 N91-30818
PHILIPPENS, E. H. J.
Designing debugging tools for Simplexys expert systems
[EUT-90-E-234] 22 p3733 N91-30783
PHILIPPOVICH, N.
Brazing of capillary gaps (TEXUS 2) 23 p3849 N91-31461
PHILIPS, LAURA A.
Evidence of vibrational mode-coupling in 2-fluorethanol via high resolution infrared spectroscopy in a molecular beam
[AD-A236132] 20 p3396 N91-28821
High resolution infrared spectroscopy of 2-fluorethanol in a molecular beam
[AD-A236149] 20 p3396 N91-28822
PHILLION, D. W.
Fast Pb-glass neutron-to-light converter for ICF (Inertial Confinement Fusion) target burn history measurements
[DE91-002670] 05 p0720 N91-14021
Distortion free projection lithography
[DE91-016570] 24 p4101 N91-32916
PHILLIP, T.
Structured software design for an on-line laser-based particle size distribution instrument
[DE91-007234] 11 p1777 N91-19746
PHILLIPS, B. A.
Development of a high-efficiency, gas-fired, absorption heat pump for residential and small-commercial applications
[DE91-010442] 16 p2626 N91-24539
PHILLIPS, C. H.
Auto-ignition temperatures of binary mixtures of alkanes in a closed vessel: Comparisons between experimental measurements and numerical predictions
[DE90-007856] 08 p1108 N91-16082
PHILLIPS, DAVID
Energy migration, motion and order in synthetic polymers
[AD-A234403] 18 p2961 N91-26346
PHILLIPS, DOUGLAS J.
High performance, accelerometer-based control of the Mini-MAST structure at Langley Research Center
[NASA-CR-4377] 16 p2565 N91-24222
PHILLIPS, DWIGHT
Design optimization of gas generator hybrid propulsion boosters 16 p2572 N91-24252
PHILLIPS, E. P.
The growth of short cracks in 4340 steel and aluminum-lithium 2090 02 p0223 N91-11247
PHILLIPS, G.
Non-specular scattering from roughened aluminum surfaces
[AD-A231824] 14 p2269 N91-22553
PHILLIPS, G. C.
Far infrared dielectric properties of polypyrrole doped with the tosylate anion
[AD-A226326] 04 p0507 N91-12820
PHILLIPS, G. R.
Attenuated total reflection infrared spectroscopy for measuring interfacial reaction kinetics: Hydrolysis of monochlorosilanes at silica surfaces
[AD-A236034] 19 p3126 N91-27269
PHILLIPS, G. W.
Gamma radiation survey of the LDEF spacecraft 16 p2707 N91-24981
Discovery of Be-7 Accretion in Low Earth Orbit: The 16th Annual AAS Guidance and Control Conference
[AD-A236614] 19 p3112 N91-27195
PHILLIPS, J. E.
Materials analysis and device optimization of CuInSe2 solar cells
[DE90-000365] 01 p0064 N91-10384
The wavenumber-frequency filtering characteristics of compliant layers
[AD-A234768] 18 p2999 N91-26561
PHILLIPS, J. L.
The 1983 tail-era data series. Volume 2: ISEE 3 magnetic field
[NASA-TM-105049] 22 p3774 N91-31046
The 1983 tail-era series. Volume 1: ISEE 3 plasma
[NASA-TM-105048-VOL-1] 22 p3774 N91-31047
PHILLIPS, J. M.
S-parameter measurements and applications of superconducting flux flow transistors
[DE91-009763] 15 p2417 N91-23388
PHILLIPS, J. O.
Sedimentation and tectonics in the northeastern and central Amadeus Basin, central Australia 19 p3193 N91-27653
PHILLIPS, JAMES E.
Fundamentals of polycrystalline thin film materials and devices
[DE91-002130] 10 p1608 N91-18874
PHILLIPS, K. J. H.
Ultraviolet continuum in solar and dMe star flares 09 p1440 N91-17940
PHILLIPS, MARY A.
The mechanical property data base from an Air Force/industry cooperative test program on advanced aluminum alloys (8090 extrusion)
[AD-A230903] 13 p2053 N91-21299
PHILLIPS, MARY ANN
The mechanical property data base from an Air Force/industry cooperative test program on advanced aluminum alloys
[AD-A226410] 04 p0505 N91-12806
PHILLIPS, N. E.
Specific heat of YBaCu3O7: Volume fraction of superconductivity; parameters characteristic of the ideal superconducting state
[DE91-011827] 21 p3591 N91-29974
PHILLIPS, PURABI MUKHOPADHYAY
Planar orotron: A tunable, grating-based free electron laser 02 p0216 N91-11208
PHILLIPS, R. C.
Laser applications for high-T(sub c) superconductors
[DE90-017743] 02 p0216 N91-11209
In-situ monitoring of laser ablation of superconductors
[DE91-012057] 18 p2992 N91-26524
PHILLIPS, RICHARD L.
An interpersonal multimedia visualization system
[DE90-014974] 01 p0135 N91-10803
PHILLIPS, ROGER J.
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
PHILLIPS, RUDY L.
The development of test beds to support the definition and evolution of the Space Station Freedom power system
[NASA-TM-104504] 19 p3114 N91-27207
PHILLIPS, S.
User's manual for a prototype binding of ANSI-Standard SQL to Ada supporting the SAME methodology for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228480] 09 p1382 N91-17598
General definition of project (Ada/SQL binding) for the Software Technology for Adaptable, Reliable Systems (STARS)
[AD-A228481] 09 p1382 N91-17599
PHILLIPS, T.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903
PHILLIPS, T. J.
Temporal sampling considerations in global climate modeling
[DE91-015695] 23 p3891 N91-31717
PHILLIPS, THOMAS
Laser-based display technology development at the Naval Ocean Systems Center (NOSC)
[AD-A236968] 19 p3172 N91-27538
PHILLIPS, THOMAS G.
A submillimeter mission for the 1990s: SMMM 13 p2177 N91-22019
Submillimeter water masers at 321 and 325 GHz 13 p2177 N91-22023
The Caltech Submillimeter Observatory 13 p2178 N91-22032
PHILLIPS, TIMOTHY DWAYNE
A new approach to analyzing high-resolution aerial photographs of urban areas 20 p3366 N91-28647
PHILLIPS, WILLIAM H.
Determination of the pressure drag of airfoils by integration of surface pressures
[NASA-TM-102722] 01 p0013 N91-10078
PHILLIPSEN, P. C.
Flightweight divert propulsion system hot-fire test 16 p2576 N91-24276
PHILLPOT, S. R.
Molecular-dynamics study of grain-boundary migration in metals
[DE90-017856] 02 p0197 N91-11104
Calculation of free energy from the internal-energy distribution function
[DE90-011111] 08 p1232 N91-16791
PHILPOT, H. E.
Composite heat damage. Part 1: Mechanical testing of IM6/3501-6 laminates. Part 2: Nondestructive evaluation studies of IM6/3501-6 laminates
[DE90-016207] 01 p0021 N91-10125
PHILPOTT, DELBERT E.
A comparative study of seminiferous tubular epithelium from rats flown on Cosmos 1887 and SL3 19 p3266 N91-28064
PHILPOTT, M. R.
Covalent and ionic contributions to the bonding of atomic and molecular adsorbates on metal surfaces: A cluster model approach
[AD-A229947] 12 p1976 N91-20868
PHILPOTT, MICHAEL R.
In situ FTIR study of the adsorption geometry of bisulfate ions on a platinum electrode
[AD-A229793] 12 p1866 N91-20250
Electrochemical contact adsorption site changes driven by field and charge fact and theory
[AD-A237127] 21 p3474 N91-29269
PHOEBUS, PATRICIA A.
Quality control algorithms for ocean temperature data
[AD-A229984] 12 p1927 N91-20602

PHUCHAROEN, WORAPHAT
Development of an analytical-experimental methodology for predicting the life and mechanical behavior of thermal barrier coatings 16 p2603 N91-24423
PI, JONATHAN
Synchrotron radiation photoemission study of metal overlayers on hydrogenated amorphous silicon at room temperature
[DE91-000740] 05 p0636 N91-13525
PIANETTA, P.
Soft x ray detection with diamond photoconductive detectors
[DE91-000418] 04 p0585 N91-13264
PIANEZZI, B.
Human dermal fibroblast sensitivity to hypergravity 11 p1751 N91-19630
PIASCIK, ROBERT S.
Environmental fatigue of an Al-Li-Cu alloy. Part 1: Intrinsic crack propagation kinetics in hydrogenous environments
[NASA-TM-104064] 14 p2276 N91-22587
PIATTI, G.
Microstructure and properties of aluminium alloy 7050 electron beam weldments 03 p0329 N91-11833
PICARD, R. R.
Comparison of four methods for aggregating judgments from multiple experts
[DE91-013522] 21 p3602 N91-30043
PICCIOLO, J. J.
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Atmosphere control during preparation of YBa2Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
PICCIONI, A.
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929
PICCIRILLO, LUCIO
The OASI observatory in Antarctica 13 p2179 N91-22036
PICCOT, S. D.
Emissions and cost estimates for globally significant anthropogenic combustion sources of NOx, N2O, CH4, CO, and CO2
[PB90-216433] 03 p0387 N91-12157
Evaluation of significant anthropogenic sources of radiatively important trace gases
[PB91-127753] 11 p1736 N91-19545
PICEL, K. C.
High-throughput liquid-absorption air and aerosol sampler
[DE91-013762] 20 p3370 N91-28670
Work plan for the preliminary site investigation for McMurdo Station, Ross Island, Antarctica
[DE91-015100] 20 p3371 N91-28675
PICHE, STEPHEN W.
First-order gradient descent training of adaptive discrete-time dynamic networks
[AD-A236796] 19 p3234 N91-27883
PICHON, J. H.
Assembly, integration and test planning tool 07 p0950 N91-15214
Final validation of autonomous spacecraft 07 p0950 N91-15216
PICHUMANI, RAMANI
Symbolic expressions of composite grid structures
[AD-A233794] 18 p3049 N91-26836
PICK, D.
Future meterological satellite programmes of EUMETSAT 07 p0948 N91-15199
PICK, HERBERT L., JR.
Topographic map reading
[AD-A238026] 21 p3535 N91-29640
PICK, MONIQUE
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description
[NASA-TM-105033] 21 p3462 N91-29201
PICKARD, A. C.
Introduction: Needs and approaches to reliability and quality assurance in design and manufacture
[PNR-90683] 01 p0050 N91-10297
PICKARD, P. S.
FALCON reactor-pumped laser description and program overview
[DE91-008185] 11 p1712 N91-19431
PICKENS, J. R.
Microstructure-property relationships in Al-Cu-Li-Ag-Mg Weldalite (tm) alloys, part 2
[NASA-CR-4364] 20 p3312 N91-28334
PICKENS, JOSEPH R.
Superplastic formability of Al-Cu-Li alloy Weldalite (TM) 049
[NASA-CR-4367] 14 p2246 N91-22426
Evaluation of the microstructure of Al-Cu-Li-Ag-Mg Weldalite (tm) alloys, part 4
[NASA-CR-4368] 16 p2599 N91-24404
Natural aging and reversion behavior of Al-Cu-Li-Ag-Mg alloy Weldalite (tm) 049 16 p2599 N91-24405
Structure and properties during aging of an Al-Cu-Li-Ag-Mg alloy, Weldalite (tm) 049 16 p2600 N91-24406
Effect of a prior stretch on the aging response of an Al-Cu-Li-Ag-Mg-Zr alloy 16 p2600 N91-24407
Microstructural evolution during aging of an Al-Cu-Li-Ag-Mg-Zr alloy 16 p2600 N91-24408
High resolution electron microscopy study of a high Cu variant of Weldalite (tm) 049 and a high strength Al-Cu-Ag-Mg-Zr alloy 16 p2600 N91-24409
PICKEREL, TOM
Air traffic control and airspeed systems 2010 air traffic control operational concept
[AD-A229003] 10 p1468 N91-18097
Department of Defense air traffic control and airspace systems interface with the national airspace system
[AD-A229088] 10 p1468 N91-18098
PICKERELL, THOMAS
National airspace system. Communications operational concept NAS-SR-136
[DOT/FAA/SE-91/1] 16 p2557 N91-24185
Navigation operational concept
[NAS-SR-134] 22 p3616 N91-30117
PICKERING, HOWARD W.
Hydrogen assisted cracking and corrosion of some highly corrosion resistant alloys
[AD-A233193] 16 p2601 N91-24412
PICKERT, M.
Defective embryogenesis of Arabidopsis induced by cosmic HZE-particles 11 p1760 N91-19682
Arabidopsis thaliana (Heynh.) pollen: A new tool in heavy ions radiation 11 p1760 N91-19685
PICKRELL, M. M.
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
Fast electron studies in the ZT-40M edge plasma
[DE91-002323] 06 p0875 N91-14838
PICKRELL, MARK M.
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739
PICONE, J. M.
An algorithm for improved gating combinatorics in multiple-target tracking
[AD-A224700] 03 p0400 N91-12225
Numerical simulation of the compressible Orszag-Tang vortex 2. Supersonic flow
[NASA-CR-185877] 03 p0420 N91-12350
Efficient approaches for report/cluster correlation in multitarget tracking systems
[AD-A231589] 13 p2073 N91-21421
PICONE, J. MICHAEL
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
PICRAUX, S. T.
Molecular dynamics simulations of bulk displacement threshold energies in Si
[DE91-011957] 20 p3400 N91-28846
PIDCOE, S. V.
Self-propelled in-tube shuttle and control system for automated measurements of magnetic field alignment
[DE90-008210] 08 p1147 N91-16316
PIDD, M.
A simple model vortex flow past a slender elliptic cone at incidence
[RAE-TM-AERO-2197] 13 p2080 N91-21460
PIDGEON, A. N.
Spacecraft autonomy concept validation by simulation: A feasibility assessment
[MBB-UO-0100-90-PUB] 04 p0493 N91-12741
Spacecraft autonomy concept validation by simulation: A feasibility assessment 14 p2215 N91-22243
PIDGEON, DEAN
Purity determination of standard analytical reference materials by differential scanning calorimetry
[AD-A224669] 03 p0337 N91-11886
PIEHLER, D.
Nonlinear optical spectroscopy of Ce3(+) ions in insulating crystals
[DE91-008928] 13 p2160 N91-21913
PIEPER, G. W.
Research in mathematics and computer science at Argonne, September 1989-February 1991
[DE91-012989] 20 p3382 N91-28734
PIEPER, JERRY L.
Development of a combustor analytical design methodology for liquid rocket engines 09 p1299 N91-17127
PIERCE, BYRON J.
Computer menu task performance model development
[AD-A230278] 12 p1956 N91-20759
PIERCE, D. G.
A temperature dependent SPICE macro-model for power MOSFETs
[DE91-011737] 18 p3071 N91-26972
PIERCE, DANIEL E.
Evaluation of solid lubricants: The chemistry of sputtered MoSx films using combined thin film analysis techniques
[AD-A226134] 04 p0507 N91-12818
PIERCE, J.
Microwave blind mate coaxial connectors 24 p3994 N91-32317
PIERCE, J. S.
E and DE/DT waveshapes for narrow bipolar pulses in intracloud lightning 24 p4048 N91-32610
PIERCE, T. E.
Estimating lightning-generated NOx emissions for regional air pollution models
[PB91-131664] 11 p1736 N91-19546
PIERCE, WILLIAM S.
Analysis of some compliance calibration data for chevron-notch bar and rod specimens
[NASA-TM-104367] 14 p2277 N91-22594
PIERCEY, R. B.
Gamma radiation survey of the LDEF spacecraft 16 p2707 N91-24981
PIERI, DAVID C.
Report of the panel on volcanology, section 4 13 p2106 N91-21593
PIERINI, P.
Generation of XUV light by resonant frequency tripling in a two-wiggler FEL amplifier
[DE90-012120] 08 p1153 N91-16349
PIERRE, CHRISTOPHE
Localization of aeroelastic modes in mistuned high-energy turbines
[NASA-TM-104445] 16 p2648 N91-24659
Aeroelastic modal characteristics of mistuned blade assemblies: Mode localization and loss of eigenstructure
[NASA-TM-104519] 19 p3181 N91-27591
PIERRE, J.
Single crystals of CeMg3 (TEXUS 7) ESA 23 p3834 N91-31382
Growth of rare Earth-magnesium crystals (TEXUS 12) 23 p3834 N91-31383
PIERSON, DUANE L.
Discourse for slide presentation: An overview of chemical detection systems 07 p1079 N91-15940
Microbiology on Space Station Freedom
[NASA-CP-3108] 10 p1559 N91-18573
PIERSON, LYNDON G.
Tuning computer communications networks and protocols
[DE90-012764] 10 p1576 N91-18673
PIERSON, WILLIAM E.
Development of SEDS data system flight software 10 p1633 N91-19004
PIESKA, SAKARI
Monitoring an assembly task by perception requests 15 p2491 N91-23791
Intelligent planning in controlling electronics assembly 15 p2491 N91-23792
PIETERS, A. M. J.
Heat transfer in clothing during heat radiation
[IZF-1990-B-2] 08 p1195 N91-16569
PIETERS, C.
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results 11 p1821 N91-20002
PIETERS, C. M.
The spectral relationships between NEA and the meteorites: An overview using principal components analysis 17 p2904 N91-26037
PIETERS, W.
Analysis of starting problems in cold weather with ASTAZOU type turbine engines in helicopters 23 p3792 N91-31147
PIETRAFESA, L. J.
Shelf export of particulates/transport in continental margin waters
[DE91-011030] 17 p2816 N91-25564

PIETSCH, BENJAMIN E.
Ultrasonic correlator versus signal averager as a signal to noise enhancement instrument
10 p1488 N91-18197
PIETSCH, H.
Formation and dynamics of solitary waves and vortices in driven and damped systems
20 p3416 N91-28942
PIETSCH, W.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
PIEUCHOTDERAVISY, G.
Advantage of nonguided hypervelocity projectiles in antimissile warfare
[ISL-R-110/90] 13 p2032 N91-21174
PIFER, ALBURT E.
Range estimation techniques in single-station thunderstorm warning sensors based upon gated, wideband, magnetic direction finder technology
24 p4049 N91-32618
PIFKO, A. B.
Addendum to the DYCAST user's manual describing the curved, warp beam finite element
[NASA-CR-4362] 14 p2319 N91-22805
PIGEAU, R. A.
Anthropometric accommodation of females in Canadian forces aircraft crew stations 02 p0246 N91-11371
PIGGOTT, MICHAEL R.
Mesomechanical model for fibre composites
[AD-A226792] 06 p0803 N91-14432
PIGINI, A.
Evaluation of the damages caused by lightning current flowing through bearings 24 p4051 N91-32632
PIGNATELLI, F.
Developmental tests for the CARINA reentry vehicle
07 p0951 N91-15220
PIGOTT, IAN M.
Typology of existing systems
04 p0603 N91-13353
PIH, H.
Tensile creep behavior and cyclic fatigue/creep interaction of hot-isostatically pressed Si3N4
[DE91-007182] 22 p3654 N91-30340
PIIROLA, VALERO
Multicolor optical polarimetry of reddened stars in the small Magellanic cloud 06 p0902 N91-14986
PIKE, C. D.
Accurate differential photometry using the fine error sensor 09 p1438 N91-17923
PIKE, C. P.
Photometric analysis of a space shuttle water venting
12 p1950 N91-20726
PIKE, J.
Internal ballistics using two different propellant grain form functions
[CRANFIELD-AERO-9003] 12 p1879 N91-20326
The drag of spheres at porosites ranging from an isolated sphere to a packed bed
[CRANFIELD-AERO-9012] 15 p2427 N91-23444
PILANT, M. S.
Experimental and theoretical determination of the thermomechanical response of inelastic structural materials to high energy thermal inputs
[AD-A226671] 05 p0631 N91-13496
PILCHEN, GUY
Implementation in two classes of C (++) for morphological processing of images
[INPE-5217-RPE/642] 13 p2133 N91-21744
PILCHOWSKI, HANS-ULRICH
Determination of pitch and roll angles with respect to a point on earth surface
[INPE-5206-PRE/1668] 13 p2039 N91-21215
Analysis of methods for the calculation of aerodynamic characteristics of artificial satellite reentry models
[INPE-5185-PRE/1653] 16 p2566 N91-24223
PILIPENKO, V. I.
ECC ozonesonde observations at Mirny, Antarctica, during 1989
[PB90-252024] 04 p0544 N91-13018
PILKEY, W. D.
Design of cryogenic tanks for space vehicles shell structures analytical modeling 19 p3131 N91-27296
PILKEY, WALTER D.
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209
PILLAI, RAMADAS
Studies of noise in semiconductor laser arrays
[AD-A232411] 15 p2434 N91-23485
PILLING, J. E.
Planetary materials and resource utilization: An interdisciplinary engineering design course at Michigan Technological University 14 p2205 N91-22180
PILLION, D. W.
Reflection mask technology for soft x ray projection lithography
[DE91-012561] 20 p3405 N91-28877
PILLSBURY, R. D., JR.
SOLDESIGN user's manual
[DE91-009795] 14 p2322 N91-22827
PIMENTAL, NANCY A.
Effectiveness of a prototype microclimate cooling system for use with chemical protective clothing
[AD-A231572] 15 p2477 N91-23717
Physiological acceptance criteria for cold weather clothing
[AD-A235670] 19 p3215 N91-27770
PIMPER, J. E.
Effectiveness of tiltrotor support to ground combat
[DE91-013603] 20 p3285 N91-28167
PIN, F. G.
Multi-criteria position and configuration optimization for redundant platform/manipulator systems
[DE90-010705] 08 p1157 N91-16372
Design and control of a fully omnidirectional and holonomic wheeled platform for robotic vehicles
[DE90-017746] 11 p1716 N91-19445
Navigation of a car-like mobile robot using a decomposition of the environment in convex cells
[DE91-000709] 11 p1781 N91-19769
Control of autonomous mobile robots using custom-designed qualitative reasoning VLSI chips and boards
[DE91-012527] 20 p3390 N91-28783
Proposal for continued basic research in intelligent machines at the Center for Engineering Systems Advanced Research: Fiscal years 1992-1996
[DE91-012997] 20 p3390 N91-28784
PIN, FRANCOIS G.
Mobile robots and intelligent motion control
[DE90-017312] 02 p0219 N91-11226
Optimal positioning of redundant manipulator-platform systems for maximum task efficiency
[DE90-011061] 08 p1158 N91-16378
A fully omnidirectional wheeled assembly for robotic vehicles
[DE90-011640] 09 p1344 N91-17384
PINADUWAGE, L. A.
Negative ion formation with electron impact to simulants
[AD-A237478] 21 p3575 N91-29881
PINCKNEY, S. ZANE
Hypersonic vehicle simulation model: Winged-cone configuration
[NASA-TM-102610] 04 p0487 N91-12705
PINCON, J. L.
Experimental constraints in the characterization of a turbulent field from several satellites
01 p0070 N91-10425
PINCOSY, P. A.
Progress toward steady-state, high-efficiency vircators
[DE91-008064] 12 p1894 N91-20415
PINCUS, P.
Polymers at surfaces
[DE91-011000] 20 p3322 N91-28392
Polymers at surfaces
[DE91-013642] 20 p3328 N91-28430
PINDER, C.
Assessment and forecasting of lightning potential and its effect on launch operations at Cape Canaveral Air Force Station and John F. Kennedy Space Center
24 p4064 N91-32704
PINDERA, M.-J.
Inelastic response of metal matrix composites under biaxial loading 19 p3131 N91-27295
PINDERA, MAREK-JERZY
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209
PINDZOLA, M. S.
The theory of electron-ion collisions: The role of doubly excited states
[DE90-011078] 08 p1220 N91-16721
PINDZOLA, MICHAEL S.
Theoretical atomic physics for fusion
[DE90-017280] 01 p0120 N91-10710
PINEAU, D.
Plasma torches at blast furnace: Four years of industrial experience in France
[REPT-911-430-124] 16 p2692 N91-24901
PINEAU, DIDIER
Plasma on a foundry cupola
[REPT-911-430-125] 15 p2513 N91-23929
Waste destruction by plasma
[REPT-911-430-123] 17 p2865 N91-25842
PINEAU, G.
Numerical simulation of three dimensional unsteady flow by multiprocessor solving of the Navier-Stokes equations
[ETN-91-99974] 23 p3871 N91-31594
PINELLI, THOMAS E.
Technical communications in aerospace: An analysis of the practices reported by US and European aerospace engineers and scientists
[NASA-TM-103441] 05 p0730 N91-14079
The NASA/DOD aerospace knowledge diffusion research project: A research agenda
[NASA-TM-103439] 06 p0885 N91-14892
NASA/DOD aerospace knowledge diffusion research project: Report to phase 1 respondents
[NASA-TM-102772] 09 p1423 N91-17835
NASA/DOD aerospace knowledge diffusion research project: The relationship between the use of US Government technical reports by US aerospace engineers and scientists and selected institutional and sociometric variables
[NASA-TM-102774] 10 p1613 N91-18898
Summary report to phase 1 respondents including frequency distributions
[NASA-TM-102773] 12 p1996 N91-20988
NASA/DoD aerospace knowledge diffusion research project. Paper 9: Information intermediaries and the transfer of aerospace Scientific and Technical Information (STI). A report from the field
[NASA-TM-103384] 13 p2167 N91-21959
NASA/DOD aerospace knowledge diffusion research project. Phase 2: Respondents including frequency distributions
[NASA-TM-104063] 14 p2339 N91-22931
NASA/DOD aerospace knowledge diffusion research project. Faculty and student respondents
[NASA-TM-104085] 16 p2698 N91-24943
NASA/DoD aerospace knowledge diffusion research project. Phase 3: Faculty and student respondents including frequency distributions
[NASA-TM-104086] 17 p2885 N91-25950
NASA/DoD aerospace knowledge diffusion research project: The DoD perspective
[NASA-TM-101746] 19 p3260 N91-28033
NASA/DoD aerospace knowledge diffusion research project: Phase 3 academic library respondents including frequency distributions
[NASA-TM-104095] 24 p4117 N91-33013
PINELLI, THOMAS EDWARD
The relationship between the use of US government technical reports by US aerospace engineers and scientists and selected institutional and sociametric variables
23 p3935 N91-31989
PING, MENG
Experimental study of gas kinetics of a fast-axial flow kilowatt CO2 laser
[AD-A237178] 21 p3523 N91-29565
PINGREE, JOSEPH ELLSWORTH
Incoherent scatter measurements and inferred energy fluxes in the equatorial F-region ionosphere
15 p2462 N91-23640
PINHEIRODASILVA, SEBASTIAO MILTON
Study of data integration techniques for geological mapping in the Iguaraci (PE) region
[INPE-5074-PRE/1593] 03 p0383 N91-12137
PINKEL, D.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
PINKNEY, J.
A simple model vortex flow past a slender elliptic cone at incidence
[RAE-TM-AERO-2197] 13 p2080 N91-21460
PINNA, D. J.
Problems encountered with the use of computer assisted translation in a technical publications production environment 04 p0603 N91-13356
PINNELL, MARGARET F.
Low-velocity impact testing of thermoplastic and thermoset matrix composite materials
[AD-A236092] 19 p3119 N91-27234
PINOLI, PAT C.
Proceedings of the 7th Semiannual Meeting of the Nozzle Initiative Industry Advisory Committee on Standardization of Carbon-Phenolic Test Methods and Specifications
[NASA-CR-188720] 22 p3642 N91-30271
PINSKI, F. J.
From electronic structure to alloy phase stability
[DE91-011187] 17 p2760 N91-25281

Ordering energy of B2 alloys calculated in the frozen potential and Harris approximations
[DE91-017228] 24 p3978 N91-32220

PINSKY, L. S.
Selected problems in experimental intermediate energy physics
[DE91-008910] 14 p2326 N91-22848

PINSKY, MARK
Lyapunov exponents and rotation numbers of linear systems with real noise
[AD-A234729] 18 p3051 N91-26846

PINSON, LARRY D.
Overview of structures research
12 p1838 N91-20104

PINTER, S.
Laboratory investigation of electric charging of dust particles by electrons, ions, and UV radiation
06 p0899 N91-14971

PINTO, VICTOR H.
Local sensory control of a dexterous end effector
[NASA-CR-187710] 09 p1344 N91-17386

PINTSCHOVIUS, L.
Determination of residual stresses in ceramics materials using neutron diffraction 05 p0638 N91-13538

PINZ, AXEL J.
A computer vision system for the recognition of trees in aerial photographs 07 p1025 N91-15625

PIOMELLI, UGO
Large-eddy simulation of transitional channel flow
[NASA-CR-187465] 05 p0615 N91-13410

PIOTROWSKI, G. K.
Conversion of methanol-fueled 16-valve, 4-cylinder engine to operation on gaseous 2H2/CO fuel
[PB91-195941] 21 p3528 N91-29602

PIOTROWSKI, J.
Updated application blueprint definition for C3 for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228471] 09 p1380 N91-17591

PIPER, L. G.
Vibrationally assisted transfer laser
[AD-A235479] 19 p3171 N91-27532
Laser-based diagnostics for N2(X,v)
[AD-A229310] 22 p3681 N91-30495

PIPER, T. C.
Two-part-liquid-mixture percentage measurement using a flow-through capacitance sensor
[DE91-007584] 12 p1902 N91-20463

PIPITONE, FRANK
Tripod operators for the interpretation of range images
[AD-A232631] 15 p2410 N91-23344

PIPKIN, F. M.
Study of energy levels and decay mechanisms for Singlet Rydberg states of molecular nitrogen
[AD-A238156] 21 p3576 N91-29885

PIPPI, IVAN
Remote sensing of the sea at IROE/CNR
15 p2455 N91-23604

PIPPIA, P.
Lymphocytes on sounding rockets
11 p1749 N91-19620

PIPPIN, H. GARY
Preliminary findings of the LDEF materials special investigation group 16 p2713 N91-25018
Results of examination of silvered Teflon from the Long Duration Exposure Facility 16 p2716 N91-25032
Survey of results from the Boeing modules on the M0003 experiment on LDEF 16 p2718 N91-25048
Results from analysis of Boeing composite specimens flown on LDEF experiment M0003
16 p2718 N91-25050

PIQUE, A.
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991

PIRAMUTHU, SELWYN
Classification using multi-layered perceptrons
[AD-A232810] 15 p2492 N91-23802

PIRANI, F.
The 11th International Symposium on Gas Kinetics
[AD-A229885] 12 p1895 N91-20421

PIRAUX, L.
The transport properties of activated carbon fibers
[DE90-015910] 01 p0022 N91-10130

PIRES, JOSE SALATIEL
Remote sensing and limnology: Preliminary studies of the Uhe-Tucurui Reservoir
[INPE-5181-PRE/1650] 14 p2283 N91-22625

PIRES, LUIS FERREIRA
FDT-based protocol design
[MEMO-INF-91-16] 22 p3735 N91-30803

PIRJOLA, RISTO
Homogeneity of geomagnetic variations at the Sodankyla Observatory
[FACL-76] 12 p1922 N91-20574

PIRRANELLO, VALERO
Synthesis of H2 in dirty ice mantles by fast ion energy loss: New experimental results increase the relevance of this mechanism 06 p0898 N91-14962

PIRZADEH, S.
Three dimensional unstructured grids for the solution of the Euler equations 02 p0154 N91-10893

PISANE, GUY E.
The normal mode E- and H-field distribution in the concentric spherical cavity
[AD-A225388] 03 p0358 N91-12003

PISANELLI, JULIE
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867

PISANI, JOHN
Assessment of hazard properties of tetryl replacement formulations
[MRL-TR-90-21] 10 p1506 N91-18287

PISCHKE, KEITH M.
Cockpit avionics integration and automation
02 p0162 N91-10938

PISILA, SAKARI
Reliability and its determination for medium speed diesel engine components 07 p1017 N91-15587

PISK, K.
Scattering of photons from atomic electrons
[DE91-006268] 10 p1592 N91-18778

PISONI, DAVID B.
Speech perception and production in severe environments
[AD-A231401] 14 p2256 N91-22477

PISTOLE, C. O.
Flexible copper-indium-diselenide films and devices for space applications 22 p3634 N91-30222

PISZCZOR, MICHAEL F.
Key results of the mini-dome Fresnel lens concentrator array development program under recently completed NASA and SDIO SBIR projects
22 p3634 N91-30223

PISZCZOR, MICHAEL F., JR.
Mini-dome Fresnel lens photovoltaic concentrator development 11 p1673 N91-19219

PITCHER, P. D.
Precipitation reactions in 8090 SiC particulate reinforced MMC
[RAE-TR-90040] 10 p1494 N91-18221

PITKAENEN, M.
Laser processing in power plants
[DE91-527088] 24 p4024 N91-32488

PITKANEN, JORMA
Testing of engineering ceramics, summary
[VTT-RR-678] 05 p0643 N91-13567

PITMAN, CHARLES L.
The advanced software development workstation project 12 p1945 N91-20701

PITONE, DANIEL S.
Attitude sensor alignment calibration for the solar maximum mission 09 p1287 N91-17075
Fixed-head star tracker magnitude calibration on the solar maximum mission 09 p1287 N91-17077

PITRE, RICHARD
A boundary scattering strength extraction algorithm for the analysis of long-range reverberation data
[AD-A233721] 18 p3056 N91-26877

PITT, COLIN G.
Preparation of a novel gallium arsenide single-source precursor having the empirical formula AsCl3Ga2
[AD-A233704] 18 p3068 N91-26949

PITT, DALE M.
Aeroservoelastic stabilization techniques for hypersonic flight vehicles
[NASA-CR-187614] 22 p3623 N91-30156

PITT, MARK
Jet engine performance estimation from minimal input data
[ETN-91-98582] 08 p1097 N91-16023

PITTS, J. H.
The Cascade inertial confinement fusion reactor concept
[DE91-013852] 20 p3420 N91-28966

PITTS, JOHN H.
Use of dome (meniscus) lenses to eliminate birefringence and tensile stresses in spatial filters for the Nova laser
[DE91-002784] 05 p0667 N91-13707
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010200] 08 p1169 N91-16437
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010332] 08 p1226 N91-16759

PITTS, L. H.
Administrative information systems plan, FY 1991 - FY 1995
[DE91-008072] 13 p2168 N91-21964

PITTS, M. C.
Ozone reference models for the middle atmosphere (new CIRA) 19 p3188 N91-27633
Improved reference models for middle atmosphere ozone 19 p3189 N91-27634

PITTS, R.
Science observations with the IUE using the one-gyro mode 09 p1447 N91-17979

PITTS, RICHARD M.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 4, Task 6: Parallel function processor development
[AD-A225126] 04 p0474 N91-12650

PITTS, WILLIAM C.
Composite flexible blanket insulation
[NASA-CASE-NPO-11907-1-NP] 23 p3807 N91-31236

PITZ, ROBERT W.
Laser Raman diagnostics in subsonic and supersonic turbulent jet diffusion flames
[NASA-CR-188172] 14 p2244 N91-22411

PITZ, W. J.
Auto-ignition temperatures of binary mixtures of alkanes in a closed vessel: Comparisons between experimental measurements and numerical predictions
[DE90-007856] 08 p1108 N91-16082
Simulation of chemical kinetics in combustion
[DE91-008446] 13 p2049 N91-21273
The autoignition chemistry of paraffinic fuels and pro-knock and anti-knock additives: A detailed chemical kinetic study
[DE91-014992] 23 p3821 N91-31314
Autoignition chemistry of C4 olefins under motored engine conditions: A comparison of experimental and modeling results
[DE91-016511] 24 p3974 N91-32197

PITZ, WILLIAM J.
Shock tube ignition of isomers of octane
[DE90-005991] 09 p1305 N91-17161
Engine knock predictions using a fully-detailed and a reduced chemical kinetic mechanism
[DE90-005992] 09 p1305 N91-17162
Kinetic modeling of ethene oxidation at low and intermediate temperatures
[DE90-005998] 09 p1305 N91-17163

PITZER, K. S.
Equation of state for pure sodium chloride
[DE91-014818] 21 p3477 N91-29286
Virial coefficients and equations of state for mixed fluids; application to CH4-H2O
[DE91-016248] 23 p3810 N91-31254
Equations of state for solid NaCl-KCl and liquid NaCl-KCl-H2O
[DE91-016980] 24 p3973 N91-32195

PITZL, W.
Monolithic CFC-main landing gear door for Tornado
[MBB/FE212/CFK/PUB/014/1] 19 p3104 N91-27150

PIURI, VINCENZO
Efficient use of the 3N code for concurrent error detection in parallel multipliers
[REPT-90-044] 22 p3738 N91-30821

PIVNENKO, A. D.
Effect of turbulence on impurity observation in upper atmosphere using lidar method
18 p3003 N91-26584

PIVOVAROV, M. L.
Fluid damping of the oscillations of satellites with a large magnetic moment 18 p2931 N91-26170

PIXTON, CHARLES
Laser technology development for the Appalachian Region
[PB90-266438] 09 p1341 N91-17363

PIZZARELLO, S.
Stable hydrogen and carbon isotope ratios of extractable hydrocarbons in the Murchison meteorite
11 p1821 N91-20006

PIZZELLA, G.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585

PIZZO, LICIA
The OASI observatory in Antarctica
13 p2179 N91-22036

PIZZOCHERO, PIERRE
Analytic studies in nuclear astrophysics
02 p0290 N91-11628

PIZZUTI, G. P.
Effect of the centrifuge forces on pregnant rats
11 p1751 N91-19629

PJEROV, S.
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981

PLACE, GENE A.
The development of a graphical notation for the formal specification of software
[AD-A230458] 12 p1957 N91-20766
PLACET, M.
Environmental tradeoffs associated with various energy paths: A total energy cycle analysis approach
[DE91-013662] 20 p3370 N91-28669
PLACHCO, F.
On the thermal stability of slabs, cylinders, and spheres 06 p0917 N91-15057
PLACSKOWSKI, T.
Preparation and characterisation of LaBaCaCu3O(x) and La(1.3)Ba(1.7)Cu3O(x)
[DE91-615673] 12 p1985 N91-20924
PLAETSCHKE, ERMIN
Flight path reconstruction using extended Kalman filtering techniques
[DLR-FB-90-41] 13 p2019 N91-21108
PLAGEMANN, W. L.
Condition of chromic acid anodized aluminum clamps flown 16 p2717 N91-25042
PLAKHTIJ, V. P.
Diffuse x ray scattering YBa2Cu3O(6.95) monocrystal
[DE91-615182] 11 p1810 N91-19943
PLAKS, KENNETH
A search for periodicity in the x ray spectrum of black hole candidate A0620-00
[AD-A239488] 23 p3938 N91-32011
PLANES, JEROME
Long period superstructures in Pt3V and Cu3Pd: Towards a quantitative description
[ONERA-NT-1990-2] 02 p0282 N91-11587
PLANESAS, P.
Aperture synthesis CO observations of the inner disk of NGC 1068 05 p0738 N91-14122
PLANET, WALTER G.
Data extraction and calibration of TIROS-N/NOAA radiometers
[NOAA-TM-NESS-107-REV-1] 04 p0543 N91-13010
NA-9 Solar Backscatter Ultraviolet (SBUV/2) instrument and derived ozone data
[AD-A227449] 06 p0931 N91-15118
NOAA-9 Solar Backscatter Ultraviolet (SBUV/2) Instrument and Derived Ozone Data: Review
[NOAA-TR-NESDIS-53] 11 p1730 N91-19514
Ozone measurements from the NOAA-9 and the Nimbus-7 satellites: Implications of short and long term variabilities 11 p1732 N91-19527
PLANO, LINDA S.
Thermochemistry of hydrocarbon decomposition and relationship to properties of PECVD diamond films
[AD-A237793] 21 p3475 N91-29274
PLASKACZ, E.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
The advanced software development and commercialization project
[DE91-015756] 21 p3562 N91-29797
PLASKACZ, EDWARD JOHN
Efficient allocation of computational resources for finite element applications 09 p1350 N91-17417
PLASMEIJER, M. J.
The ABC-machine: A sequential stack-based abstract machine for graph rewriting
[TR-90-22] 23 p3909 N91-31824
Inventory and functional prototypes of neural networks
[TR-90-15] 23 p3917 N91-31880
PLATEAU, BRIGITTE
Optimal multinode broadcast on a mesh connected graph with reduced bufferization
[RR-825-I] 15 p2413 N91-23362
A method for handling complex Markov models of parallel systems
[RR-826-I] 15 p2488 N91-23778
PLATEAU, G.
The 0-1 multiknapsack problem: Monotone surrogate and Lagrangean algorithms
[INPE-5036-PRE/1571] 03 p0399 N91-12214
A monotone decreasing algorithm for the 0-1 multiknapsack dual problem
[INPE-5160-RPE/635] 13 p2133 N91-21745
PLATT, E.
COMTESS: Combat Mission Training Evaluation and Simulation System 07 p1046 N91-15742
PLATT, IAN G.
Modeling and design for a new ionospheric modification experiment 10 p1549 N91-18523
Results of a high power oblique incidence HF ionospheric modification experiment
[AD-A231893] 14 p2257 N91-22482
PLATT, M. E.
General Monte Carlo reliability simulation code including common mode failures and HARP fault/error-handling
[NASA-CR-187793] 09 p1349 N91-17409
PLATT, PHILIP A.
Real-time flight simulation and the head-mounted display: An inexpensive approach to military pilot training
[AD-A230469] 12 p1934 N91-20640
PLATT, R. H.
Advanced Microwave Precipitation Radiometer (AMPR) for remote observation of precipitation
[NASA-CR-184165] 18 p3016 N91-26655
PLATZER, M. F.
Compressibility effects on dynamic stall of oscillating airfoils
[NASA-CR-187870] 09 p1272 N91-16993
PLAUT, RAYMOND H.
Nonlinear oscillations of mechanical systems under multifrequency parametric excitation
[AD-A233800] 18 p2998 N91-26558
PLAZEK, D. J.
Mechanical modeling of stress generation during cure of encapsulating resins
[DE91-011496] 20 p3322 N91-28393
PLEIM, JONATHAN EDWARD
Development and application of new modeling techniques for mesoscale atmospheric chemistry 20 p3374 N91-28692
PLEKHANOV, E. B.
Illustrations from the collection Quantum mechanics in pictures
[DE90-631602] 03 p0425 N91-12382
PLEMMONS, ROBERT J.
Parallel algorithms for least squares and related computations
[AD-A235018] 18 p3041 N91-26790
PLENCNER, ROBERT M.
High-efficiency core technology 12 p1841 N91-20118
The Navy/NASA Engine Program (NNEP89): A user's manual
[NASA-TM-105186] 22 p3620 N91-30141
PLENIO, HERBERT
Silicon ceramics with a dash of boron
[AD-A236410] 19 p3142 N91-27363
PLENTOVICH, E. B.
Effects of yaw angle and Reynolds number on rectangular-box cavities at subsonic and transonic speeds
[NASA-TP-3099] 19 p3099 N91-27124
PLENTOVICH, ELIZABETH B.
Navier-Stokes solutions for flows related to store separation 02 p0147 N91-10861
PLESCIA, J. B.
Does wrinkle ridge formation on Mars involve most of the lithosphere 14 p2349 N91-22992
Photoclinometric analysis of wrinkle ridges on Lunae Planum, Mars 14 p2350 N91-22999
Young flood lavas in the Elysium Region, Mars 14 p2351 N91-23000
PLESSEL, TODD C.
FAST: A multi-processed environment for visualization of computational fluid 14 p2355 N91-23024
PLESZKUN, ANDREW R.
Lithium niobate arithmetic logic unit
[AD-A236062] 19 p3245 N91-27949
PLETKA, B. J.
A comparison of microwave versus direct solar heating for lunar brick production 14 p2204 N91-22172
Planetary materials and resource utilization: An interdisciplinary engineering design course at Michigan Technological University 14 p2205 N91-22180
Consolidation of lunar regolith: Microwave versus direct solar heating 17 p2906 N91-26050
PLICHTA, EDWARD J.
A calorimetric investigation of deuterated palladium electrodes
[AD-A237571] 21 p3505 N91-29456
PLICHTA, M. R.
Boundary stability under nonequilibrium conditions
[DE91-009262] 15 p2401 N91-23293
PLIMPTON, S.
Load-balancing and performance of a gridless particle simulation on MIMD, SIMD, and vector supercomputers
[DE91-013758] 20 p3385 N91-28756
PLIMPTON, S. J.
Application of parallel computing to the Monte Carlo simulation of electron scattering in solids: A rapid method for profile deconvolution
[DE91-001227] 05 p0713 N91-13980
PLINE, ALEXANDER D.
Particle image velocimetry for the surface tension driven convection experiment using a particle displacement tracking technique
[NASA-TM-104482] 17 p2779 N91-25382
Ground-based PIV and numerical flow visualization results from the surface tension driven convection experiment
[NASA-TM-105172] 22 p3680 N91-30491
PLOHR, BRADLEY K.
Computational and theoretical aspects of nonlinear partial differential equations
[AD-A238495] 21 p3567 N91-29829
PLOSTINS, PETER
The effect of sabot wheelbase and position on the launch dynamics of fin-stabilized kinetic energy ammunition
[AD-A234945] 18 p2922 N91-26118
PLOTARD, P.
Nondestructive inspection for carbon-carbon with adapted coating for oxidation 03 p0329 N91-11838
Nondestructive inspection for carbon-carbon with adapted coating for oxidation
[REPT-911-430-106] 15 p2394 N91-23252
PLOUGH, ALAN
EMU helmet mounted display
[NASA-CASE-MSC-21460-1] 05 p0697 N91-13879
PLOURDE, J. V.
Evaluation of night vision goggles for maritime search and rescue
[AD-A233798] 18 p3035 N91-26751
Evaluation of night vision goggles for maritime search and rescue. Volume 2: Data appendix
[AD-A229393] 22 p3719 N91-30702
PLOYZOU, W. N.
Configuration space Faddeev calculations
[DE91-008517] 12 p1978 N91-20887
PLUM, MARTIN M.
PCB/transformer techno-economic analysis model: User manual, volume 2
[DE90-010654] 08 p1131 N91-16223
PLUMB, G. D.
Proving experiments on an acoustic transmission suite and its reverberation room
[BBC-RD-1990/13] 08 p1214 N91-16681
PLUMB, R. A.
Large-scale dynamics and transport in the stratosphere
[NASA-CR-187327] 02 p0235 N91-11311
PLUMB, ROBERT C.
The formation of peroxonitrites and oxygen on Mars 17 p2912 N91-26078
PLUMER, EDWARD S.
Cascading a systolic array and a feedforward neural network for navigation and obstacle avoidance using potential fields
[NASA-CR-177575] 11 p1781 N91-19771
PLUMMER, D. W.
Determination of resultant torque on a rotary solenoid using a biaxial displacement follower
[DE91-010614] 16 p2690 N91-24895
PLUMMER, E. W.
Surface anharmonicity: Temperature dependence of phonon energies on Cu(110)
[DE90-017735] 02 p0279 N91-11567
PLUMMER, MICHAEL D.
Matching theory. A sampler: From Denes Koenig to the present
[AD-A234321] 18 p3050 N91-26839
Extending matchings in graphs: A survey
[AD-A234392] 18 p3050 N91-26841
PLUTCHAK, J.
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results 11 p1821 N91-20002
PLYASOVA-BAKUNINA, I. A.
Visual accommodation in cosmonauts 18 p3024 N91-26697
PNIEL, M.
Hyperswitch communication network 14 p2355 N91-23026
PNUELI, AMIR
Model checking for linear temporal logic: An efficient implementation
[NASA-CR-187644] 04 p0560 N91-13108
POCCHIOLA, MICHEL
Enumeration and visibility problems in integer lattices
[CWI-CS-R8949] 03 p0411 N91-12300
Camera placement in integer lattices (extended abstract)
[CWI-CS-R9047] 17 p2779 N91-25383
POCHA, M. D.
Subnanosecond photoconductive switching in GaAs
[DE90-011481] 09 p1325 N91-17276
Photoconductive switching for HPM (High Power Microwave) generation
[DE91-005398] 10 p1517 N91-18353
Photoconductive switching for high power microwave generation
[DE91-005433] 10 p1518 N91-18355
Wideband microwave generation with GaAs photoconductive switches
[DE91-017544] 24 p4009 N91-32415

POCHA, MICHAEL D.
Subnanosecond, high voltage photoconductive switching in GaAs
[DE91-002671] 05 p0727 N91-14063
POCKLINGTON, TONY
A knowledge base browser using hypermedia
13 p2167 N91-21956
POCO, J. F.
Development of low density silica aerogel as a capture medium for hyper-velocity particles
[DE91-008563] 14 p2251 N91-22455
PODDAR, A.
Preparation and characterisation of LaBaCaCu3O(x) and La(1.3)Ba(1.7)Cu3O(x)
[DE91-615673] 12 p1985 N91-20924
PODESTA, JOHN
Theory of electromagnetic shielding for conducting cylinders and spheres
[AD-A233261] 16 p2618 N91-24491
PODGORSKI, ANDREW S.
Three-dimensional time domain model of lightning including corona effects 24 p4064 N91-32702
PODLESNY, R.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480
PODNIEKS, E. R.
Mining technology for lunar resource utilization
[PB91-201020] 24 p4123 N91-33044
POE, C. C., JR.
NASA workshop on impact damage to composites
[NASA-CP-10075] 21 p3469 N91-29240
POE, GREG
Low-cost, high-resolution telescopes for imaging low-earth orbit satellites
[DE90-012081] 08 p1243 N91-16850
POEL, MANNES
Consistent alternatives of parallelism with conflicts: Two partial order semantics for shared variable concurrency
[MEMO-INF-91-15] 22 p3739 N91-30829
POEPPEL, R. B.
YBa2Cu3O(x) composites with improved toughness and strength
[DE90-011180] 01 p0132 N91-10782
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
Heat transfer issues in the fabrication and operation of ceramic superconductors
[DE90-017832] 03 p0421 N91-12356
Elastic after-effect due to oxygen relaxation in YBa2Cu3O(7-delta) above Tc
[DE91-005874] 09 p1414 N91-17783
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796
Thermomechanical processing of YBa2Cu3O(x)/Ag sheathed wires
[DE91-006548] 09 p1417 N91-17799
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
Atmosphere control during preparation of YBa2 Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
Silver sheathing of high-Tc superconductor wires
[DE91-006557] 10 p1605 N91-18858
Texture characterization of high Tc thick films
[DE91-006652] 10 p1607 N91-18870
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
Silver-sheathed multifilament wires
[DE91-008107] 11 p1810 N91-19941
Sintering and hot isostatic pressing of Bi2Sr2CaCu2O(x)
[DE91-010797] 15 p2516 N91-23945
Preparation and characterization of YBa2Cu4O8 superconductor
[DE91-010596] 17 p2872 N91-25885
Superconducting films made by spin-coating of acetate solutions
[DE91-011119] 17 p2872 N91-25888
Preparation of YBa2Cu3O(x) superconductor via ternary precursors
[DE91-011121] 17 p2873 N91-25890
Strength/grain-size relationships and internal stresses in YBa2Cu3O(x) superconductors
[DE91-011180] 17 p2873 N91-25891
Formation of intermediate compounds during reduced pressure calcination of Y-Ba-Cu-O precursor
[DE91-011179] 18 p3071 N91-26971
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
Materials qualification technology for ceramic cross-flow filters
[DE91-017715] 24 p3980 N91-32232
POESCHEL, R. L.
HOLLOTRON switch for megawatt lightweight space inverters
[NASA-CR-187083] 14 p2260 N91-22502
POETSCHKE, J.
Alloys with oxide inclusions (TEXUS 2)
23 p3844 N91-31432
The behaviour of alumina-copper suspensions (TEXUS 3A and 3B)
23 p3844 N91-31433
Copper-alumina suspensions (TEXUS 5)
23 p3844 N91-31434
Copper-molybdenum suspension (TEXUS 9)
23 p3844 N91-31435
Liquid phase sintering (TEXUS 19) ESA
23 p3846 N91-31446
Manufacture of steel foam (TEXUS 4)
23 p3847 N91-31448
Manufacture of steel foam (TEXUS 6)
23 p3847 N91-31449
Manufacture of iron foam (TEXUS 7)
23 p3847 N91-31450
Gas bubbles in a copper-alumina suspension (TEXUS 11)
23 p3848 N91-31453
POFFIO, TOMASO
Extensions of a theory of networks and learning: Outliers and negative examples
[AD-A234425] 18 p3045 N91-26810
POGGE, RICHARD W.
HI and FIR emission from S0 galaxies
05 p0736 N91-14111
POGGIALINI, A.
Holographic interferometry as an inspection technique on aerospace composite structure
03 p0329 N91-11835
POGGIO, TOMASO
Continuous stochastic cellular automata that have a stationary distribution and no detailed balance
[AD-A234421] 18 p3040 N91-26782
POGLITSCH, A.
The 158 micrometer (CII) line: A measure of global star formation activity in galaxies
[NASA-CR-187925] 08 p1267 N91-16977
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009
POGLITSCH, ALBRECHT
The (C II) 158 micron line mapping of spiral galaxies
13 p2173 N91-21996
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
POGORELE, SCOTT
SALT orbit determination covariance analysis using GPS tracking
[AD-A237899] 22 p3627 N91-30180
POGORELSKY, I.
Spatial dynamics of picosecond CO2 laser pulses produced by optical switching in Ge
[DE91-010368] 15 p2433 N91-23476
POGUE, WILLIAM
Past experience Skylab mission
07 p1078 N91-15932
POHJANNE, PEKKA
Effect of deep sea environment on corrosion of some aluminum alloys
[VTT-RR-724] 22 p3652 N91-30325
POHNER, JOHN A.
In-Space technology experiments program. A high efficiency thermal interface (using condensation heat transfer) between a 2-phase fluid loop and heatpipe radiator: Experiment definition phase
[NASA-CR-186869] 15 p2421 N91-23408
POINTKOWSKI, JOSEPH
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test plan
[DOT/FAA/CT-TN90/41] 15 p2363 N91-23075
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test procedures
[DOT/FAA/CT-TN90/63] 17 p2727 N91-25100
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test report
[DOT/FAA/CT-TN90/27] 17 p2727 N91-25101
POINTON, T. D.
A method for computing fields near the origin of a cylindrical coordinate system in time domain finite-difference electromagnetic simulations
[DE91-015431] 21 p3501 N91-29433
POIREL, D.
Wind tunnel investigation and flight tests of tail buffet on the CF-18 aircraft 06 p0780 N91-14325
POIRIER, CATHRYN
Troubleshooting Assessment and Enhancement (TAE) program: Design, development, and administration, volume 1
[AD-A236411] 19 p3228 N91-27847
POIRIER, G. E.
Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377
POIRIER, MICHEL A.
Non volatile solid state magnetic memory technologies
24 p3990 N91-32294
POIRIER, PETER
Laser-based display technology development at the Naval Ocean Systems Center (NOSC)
[AD-A236968] 19 p3172 N91-27538
POIRIER, R. L.
A versatile RF cavity mode damper
[DE91-002947] 06 p0621 N91-14534
POISEL, H.
Light guide fibers
[MBB-UA-1199-90-PUB] 11 p1799 N91-19877
POISL, W. H.
Processing of glass-ceramics from lunar resources
16 p2595 N91-24380
Refractory materials from lunar resources
17 p2901 N91-26025
POITRAST, BRUCE J.
Recommended carbon dioxide and relative humidity levels for maintaining acceptable indoor air quality
[AD-A230026] 13 p2129 N91-21717
POKEMPNER, M.
Distribution of the daily foF2 about the monthly median
[PB90-252404] 04 p0513 N91-12851
POKER, D. B.
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
POKINES, BRETT
Vibration suppression and slewing control of a flexible structure 14 p2231 N91-22339
POKINES, BRETT J.
Feedback control formulations for a complex flexible structure utilizing reaction mass actuators
[AD-A233636] 16 p2676 N91-24814
POLDERMAN, JAN WILLEM
An identification perspective on robustness issues in adaptive pole assignment
[MEMO-904] 14 p2318 N91-22800
POLETTO, GIANNINA
A semi-analytical model of stellar flares
[DE90-016434] 01 p0139 N91-10817
Coronal heating by nanoflares: Plasma dynamics of elementary events
[DE90-016495] 01 p0141 N91-10830
POLGE, ROBERT J.
Extension and upgrading of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers, volume 1
[AD-A229804] 12 p1917 N91-20544
Extension and updating of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers. Volume 2: User manual of the range relative Doppler processing simulation for MM wave seekers
[AD-A229805] 12 p1917 N91-20545
Extension and updating of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers. Volume 3: Simulation of a Doppler beam sharpening radar for MM wave seekers
[AD-A229806] 12 p1917 N91-20546
POLIAKOV, V. V.
Medical results of the fourth prime expedition on the orbital station Mir 11 p1742 N91-19576
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988)
11 p1742 N91-19577
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
POLITER, PETER
Computational studies of energetic strained molecules: Properties and syntheses of tetrahedrane and triprismane systems
[AD-A232857] 16 p2682 N91-24849
POLITES, M. E.
A scheme for bandpass filtering magnetometer measurements to reconstruct tethered satellite skiprope motion
[NASA-TP-3123] 17 p2829 N91-25629

POLITIS, C.
Properties of materials with a fine length scale: Mechanically alloyed metals and the high temperature superconductor Y1Ba2Cu3O7
[DE91-012538] 21 p3591 N91-29975
POLITZER, P.
D3-D research operations
[DE90-008232] 08 p1226 N91-16752
Motional Stark effect polarimetry for the current profile diagnostic in D3-D
[DE90-012071] 08 p1229 N91-16773
POLITZER, PETER
Computational studies of polynitroaromatic molecules and the development of sensitivity relationships, part 2
[AD-A229807] 12 p1866 N91-20252
POLKA, LESLEY A.
High-frequency techniques for RCS prediction of plate geometries
[NASA-CR-187865] 08 p1130 N91-16212
High-frequency techniques for RCS prediction of plate geometries
[NASA-CR-188685] 19 p3155 N91-27440
POLLACK, J. B.
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191
Derivation of mid-infrared (5-25 microns) optical constants of some silicates and palagonite
18 p3088 N91-27077
POLLACK, JAMES B.
An efficient and accurate technique to compute the absorption, emission, and transmission of radiation by the Martian atmosphere 14 p2350 N91-22995
Potential for the identification of localized water-bearing regions on Mars 17 p2913 N91-26081
Planetary engineering 17 p2915 N91-26091
POLLACK, MICHAEL R.
Management of information technology access controls
[AD-A236275] 19 p3261 N91-28035
POLLAINE, S. M.
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946
POLLAK-DIENER, GERHARD
Microthermal conductivity sensor in silicon technology for the analysis of binary and ternary gas mixtures
[ETN-91-99443] 22 p3649 N91-30308
POLLAK, F. H.
Uniaxial stress study of the quantum transitions in a strained layer (001) In0.2Ga0.8As/GaAs single quantum well
[DE91-014990] 21 p3600 N91-30033
POLLAK, ROBERT R.
Control system design considerations for starting turbo-engines during cold weather operation
23 p3793 N91-31155
POLLARA, F.
The theoretical limits of source and channel coding
03 p0354 N91-11980
Compressed/reconstructed test images for CRAF/Cassini 10 p1511 N91-18316
Emerging standards for still image compression: A software implementation and simulation study
10 p1511 N91-18317
Recent advances in coding theory for near error-free communications 15 p2540 N91-24068
POLLARD, J. E.
Time-resolved mass and energy analysis
[AD-A235938] 19 p3244 N91-27941
POLLARD, J. K.
Shipboard crew fatigue, safety and reduced manning
[PB91-138099] 16 p2664 N91-24740
POLLARD, NANCY S.
The grasping problem: Toward task-level programming for an articulated hand
[AD-A225712] 03 p0374 N91-12095
POLLARD, T. J.
Structural development of laminar flow control aircraft chordwise wing joint designs
[NASA-CR-181888] 06 p0784 N91-14346
POLLINA, R. J.
Corrosion and arc erosion in MHD channels
[DE91-008527] 14 p2328 N91-22863
MHD channel gas-side element erosion-corrosion studies
[DE91-008561] 15 p2511 N91-23911
Corrosion and arc erosion in MHD channels
[DE91-016829] 24 p4105 N91-32939
POLLINA, RICHARD J.
Corrosion and arc erosion in MHD channels
[DE90-017889] 02 p0274 N91-11539
POLLINGER, J. P.
Nuclear magnetic resonance imaging of green-state ceramics
[DE91-010750] 17 p2762 N91-25292
POLLOCK, THOMAS C.
Analytical and experimental research on large angle maneuvers of flexible structures
[AD-A226679] 05 p0628 N91-13479
POLLOCK, W. J.
Ion Vapour Deposited (IVD) aluminum coatings for the corrosion protection of high strength steel
[ARL-MAT-R-123] 22 p3655 N91-30341
POLMAN, ERIK ALEXANDER
Projective scales against high temperature corrosion
[ETN-90-97770] 02 p0199 N91-11116
POLSTORFF, WALTER
Electrostatically suspended rotor for angular encoder
[NASA-CASE-MFS-28294-1] 06 p0816 N91-14508
POLTE, HANS
The Copernicus project 08 p1102 N91-16052
POLUSHKIN, V. G.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
POLVANI, R. S.
Electrodeposited coatings for diamond turning applications
[DE91-009950] 15 p2405 N91-23315
POLYACHENKO, VALERIJ L.
Stationary orbits of satellites of disk galaxies
08 p1263 N91-16954
POLYANSKI, STANLEY
Power packs: A passive approach to extinguishing fire in combat vehicles
[AD-A232020] 15 p2410 N91-23342
POLYCHRONIDIS, JOHN E.
The Trendelenburg position after cerebral air embolism in dogs: Effects on the somatosensory evoked potential, intracranial pressure, and blood-brain barrier
[AD-A233809] 18 p3020 N91-26673
POLYDOROS, ANDREAS
Topology-selective jamming of fully-connected, code-division random-access networks
22 p3660 N91-30373
POMERANTZ, ARTHUR P.
New York area control facility/metroplex control facility vulnerability analysis
[DOT/FAA/CT-TN91/21] 19 p3103 N91-27146
POMERANTZ, MARTIN
Electronic and ionic transport in processable conducting polymers
[AD-A227857] 08 p1120 N91-16154
Electronic and ionic transport in processable conducting polymers
[AD-A231293] 13 p2057 N91-21321
Processable polymers and copolymers of 3-alkylthiophenes and their blends
[AD-A234596] 18 p2962 N91-26351
Electronic and ionic transport in processable conducting polymers
[AD-A234597] 18 p2963 N91-26352
Electronic and ionic transport in processable conducting polymers
[AD-A238175] 21 p3489 N91-29362
POMETOV, YU. D.
Relationship between orthostatic stability and post-space flight vestibular function in man
10 p1561 N91-18586
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
POMPEA, STEPHEN M.
Are bars essential for starbursts in non-interacting galaxies 05 p0756 N91-14208
POMPEA, STEPHEN MARK
The relationship of galaxy morphology to nuclear star formation in non-interacting spiral galaxies
02 p0288 N91-11618
POMPHREY, N.
Dependence of CIT (compact ignition tokamak) PF (poloidal field) coil currents on profile and shape parameters using the control matrix
[DE91-002650] 05 p0720 N91-14019
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946
POMPHREY, RICK B.
Overview of the NASA astrophysics data system
18 p3079 N91-27022
POMYKACZ, MICHAEL A.
Report of study on airlines' anticipated near future cockpit control and display capabilities and plans for data link communication
[DOT/FAA/CT-TN91/7] 10 p1472 N91-18109
PONCE, D. A.
Principal facts for about 16,000 gravity stations in the Nevada test site and vicinity
[DE90-011521] 08 p1175 N91-16470
PONCELEON, DULCE B.
Primal-dual methods for linear programming
[AD-A237418] 21 p3555 N91-29756
Barrier methods for large-scale quadratic programming
[AD-A238554] 21 p3558 N91-29773
PONCHAK, DENISE S.
An assessment of technology alternatives for telecommunications and information management for the space exploration initiative
[NASA-TM-103783] 15 p2410 N91-23347
Millimeter wavelength communications applications for the SEI
[NASA-TM-105275] 24 p3989 N91-32287
PONCHAK, GEORGE E.
Coplanar waveguide EEsoF MICAD macros make circuit layout easy
[NASA-TM-103272] 11 p1694 N91-19332
POND, ROBERT B.
A demonstration of chill block melt spinning of metal
12 p1860 N91-20216
PONDER, CARL G.
An information-theoretic look at branch-prediction
[DE91-000499] 04 p0564 N91-13133
PONGRATZ, MORRIS B.
A linear accelerator in the space: The beam experiment aboard rocket
[DE91-002347] 05 p0715 N91-13988
PONOMARENKO, A. G.
Laboratory simulation of the astrophysical burst processes in non-uniform magnetised media
06 p0920 N91-15081
Laboratory and computer simulations of wave generation processes in non-stationary astrophysical phenomena
06 p0920 N91-15082
PONOMARENKO, S.
Summary of EEE component anomalies encountered in the SPOT line of Earth observation satellites and lessons derived therefrom for future generations
24 p4001 N91-32367
PONOMARENKO, V. A.
Possibility of using evoked brain potentials to diagnose flight crew fatigue 10 p1560 N91-18576
Psychological preparation of operators for activity during sustained G-loads 10 p1560 N91-18577
Psychological assessment of horizon indicators in planes 10 p1561 N91-18582
Psychophysiological characteristics of sensorimotor activity of operators after short-term simulated weightlessness 19 p3207 N91-27727
PONOMAREV, A. T.
Constructing mathematical model of adaptive anti-flutter system 11 p1788 N91-19810
PONOMAREV, YA. G.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal
11 p1790 N91-19819
PONS, DOMINIQUE
Microwave and millimeter wave components: Performances, perspectives, and applications to avionics
07 p0941 N91-15156
PONS, PATRICK
Dynamic behavior of thin silicon plate: Application to silicon sensors
[LAAS-90144] 06 p0829 N91-14582
PONSE, ALBAN
Strong completeness for Hoare logics of recursive processes: An infinity approach
[CWI-CS-R8957] 03 p0404 N91-12250
Process algebra with guards: Combining Hoare logic with process algebra
[CWI-CS-R9069] 17 p2845 N91-25726
PONTAU, A. E.
Proton Energy Loss (PEL) material characterization
[DE91-011545] 20 p3307 N91-28306
PONTON, MICHAEL K.
Instability of a supersonic shock free elliptic jet
[NASA-TM-103428] 05 p0615 N91-13413
PONZONI, FLAVIO JORGE
Physiognomy of vegetation cover in the Pantanal Mato Grossina National Park: A temporal analysis
[INPE-4809-RPE/589] 04 p0539 N91-12989
A practical example of forest mapping and timber volume estimation using LANDSAT-5 TM imagery
[INPE-5244-PRE/1675] 21 p3534 N91-29635
Spectral reflectance of leaves ex situ: A methodological approach
[INPE-5233-PRE/1673] 22 p3697 N91-30584
POOL, F.
Amorphous silicon deposition research with in situ diagnostics
[NASA-CR-188782] 22 p3699 N91-30597

POOL, F. S.
GaP betavoltaic cells as a power source
11 p1672 N91-19211
POOLE, B. D.
A synopsis of Langley Research Center's lidar effort for the 1986 FIRE IFO 01 p0076 N91-10457
POOLE, B. R.
An x band backward-wave oscillator experiment
[DE90-015119] 01 p0037 N91-10219
POOLE, EUGENE L.
High-performance equation solvers and their impact on finite element analysis
[NASA-TM-102735] 02 p0224 N91-11252
POOLE, L. R.
A synopsis of Langley Research Center's lidar effort for the 1986 FIRE IFO 01 p0076 N91-10457
Surface radiation observations for October 27-28, 1986 during the Wisconsin FIRE/SRB experiment
01 p0081 N91-10481
POOLE, W. J.
Texture development in Cu-W composites
[DE91-013388] 22 p3643 N91-30273
POOLER, BRIAN L.
A methodology for producing and testing a genesil silicon compiler designed VLSI chip which incorporates design for testability
[AD-A239465] 23 p3862 N91-31537
POON, C.
Assessment of impact damage in toughened resin composites
[NAE-LTR-ST-1695] 21 p3469 N91-29236
Effect of fortifier on compression-after-impact strength of carbon fabric reinforced epoxy
[NAE-LTR-ST-1736] 21 p3469 N91-29237
POON, S. J.
Rapidly solidified metallic alloys with unusual semmetry properties
[AD-A232384] 15 p2402 N91-23304
POORE, AUBREY B.
Continuation and bifurcation investigations in constrained optimization
[AD-A231639] 13 p2137 N91-21769
POORMAN, R. M.
Vacuum vapor deposition: A spinoff of space welding development
[NASA-TM-103542] 19 p3137 N91-27330
POORMAN, RICHARD M.
Arc/gas electrode
[NASA-CASE-MFS-29766-1] 17 p2771 N91-25335
POORNIMA, L.
Instrumentation for ASE experiments in the dynamic wind tunnel
[PD-FC-9112] 21 p3462 N91-29197
POORTEMA, K.
Estimation of expectations and covariance matrices with linear structure
[MEMO-866] 04 p0577 N91-13213
POPE, DAVID P.
High temperature ordered intermetallic alloys
[AD-A232769] 15 p2403 N91-23308
Plasticity of single crystalline Al3X intermetallic compounds
[AD-A234699] 18 p2963 N91-26356
POPE, L. E.
Amorphization of C-implanted Fe(Cr) alloys
[DE91-001338] 06 p0809 N91-14469
POPE, N. K.
Development of structural optimization capability at RMC
[DREA-CR-89-413] 22 p3694 N91-30564
POPE, S. B.
Modelling of flamelet surface-to-volume ratio in turbulent premixed combustion
[DE90-006312] 08 p1107 N91-16081
The PDF method for turbulent combustion
13 p2014 N91-21080
Pressure algorithm for elliptic flow calculations with the PDF method 13 p2014 N91-21081
POPE, STEPHEN B.
Numerical investigation of turbulent flame sheets
[AD-A236650] 19 p3127 N91-27274
POPELAR, C. F.
Mechanical testing of advanced coating system, volume 1
[NASA-CR-186725] 05 p0637 N91-13534
Fatigue testing of plasma-sprayed thermal barrier coatings, volume 2
[NASA-CR-186726] 05 p0638 N91-13535
POPLAWSKI, DAVID A.
Synthetic models of distributed memory parallel programs
[DE91-001058] 05 p0705 N91-13931
POPOV, G. V.
Modelling the dynamics of fluxes of electrons with energies 30-300 keV in geostationary orbit
18 p2932 N91-26173
POPOV, I. G.
Protective functions of skin 01 p0096 N91-10555
Feeding the Salyut-7 crews 22 p3714 N91-30671
Blood electrolyte balance in dogs repeatedly exposed to +G(subz) acceleration 22 p3714 N91-30674
Feeding the Salyut-7 crews 22 p3716 N91-30685
POPOV, K. E.
Body proprioceptive references in weightlessness as studied by muscle tendon vibration
11 p1742 N91-19581
The reference systems for tactile perception and for the orientation with respect to body
11 p1761 N91-19691
Gaze control and spatial memory in weightlessness
11 p1762 N91-19692
POPOV, V. S.
Interlock device
[AD-A225261] 03 p0360 N91-12016
POPOVA, I. A.
Blood serum protein composition and nitrogen metabolism metabolism in individuals exposed to lengthy hypokinesia 19 p3208 N91-27731
POPOVA, I. P.
Influence of long-term antiorthostatic hypokinesia on activity of enzymes involved in energy and plastic metabolism 22 p3715 N91-30675
POPOVIC, M.
Modeling a ferrite-tuned RF cavity
[DE91-006235] 11 p1699 N91-19356
POPOVICI, LIDIA
The Pilot Land Data System (PLDS) at the Ames Research Center manages aircraft data in collaboration with an ecosystem research project
17 p2793 N91-25450
POPP, O. T.
Cohomology for Lagrangian systems and Noetherian symmetries
[DE90-628371] 01 p0133 N91-10788
POPPEN, MARIA
Testing laminated Swedish fir in four point bending
[FFA-TN-1991-15] 22 p3695 N91-30572
POPPER, G. F.
Implementation and verification of a viscoplastic material model using the ANSYS code
[DE91-010571] 16 p2607 N91-24447
POPPER, STEPHEN
Subjective responses to positive pressure breathing under sustained high-G using the combat edge system
[AD-A230019] 12 p1928 N91-20610
POPPLOW, J. R.
Canadian Forces flight trial of individually molded fiberglass lumbar supports
[DCIEM-88-RR-12] 22 p3720 N91-30706
PORADA, E.
Theory and computer simulation of the interactional neural network
[NRC-30269] 21 p3562 N91-29800
PORAT, MOSHE
Efficient image generation using localized frequency components matched to human vision
[AD-A224903] 03 p0394 N91-12192
PORCEDDU, I.
Diffuse absorption bands in Orion: A correlation with the UV reddening curve 09 p1443 N91-17956
PORDAL, H. S.
A pressure flux-split technique for computation of inlet flow behavior 13 p2012 N91-21068
PORDES, R.
Design of the Digital Sky Survey DA and online system: A case history in the use of computer aided tools for data acquisition system design
[DE91-016469] 24 p4121 N91-33032
PORGES, STEPHEN W.
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193
PORKOLAB, M.
Experimental and theoretical research in applied plasma physics
[DE91-010657] 15 p2512 N91-23920
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946
PORR, WILLIAM C., JR.
Elevated temperature fracture of RS/PM aluminum alloy 8009 19 p3129 N91-27287
PORRO, A. R.
Heat transfer, velocity-temperature correlation, and turbulent shear stress from Navier-Stokes computations of shock wave/turbulent boundary layer interaction flows
13 p2015 N91-21085
Evaluation of a technique to generate artificially thickened boundary layers in supersonic and hypersonic flows
[NASA-TP-3142] 20 p3280 N91-28136
The NASA Lewis Research Center Internal Fluid Mechanics Facility
[NASA-TM-105187] 22 p3624 N91-30163
A laser-induced heat flux technique for convective heat transfer measurements in high speed flows
[NASA-TM-105177] 22 p3677 N91-30472
PORRO, A. ROBERT
Development of a laser-induced heat flux technique for measurement of convective heat transfer coefficients in a supersonic flowfield
[NASA-TM-103778] 11 p1643 N91-19063
Experimental investigation of a single flush-mounted hypermixing nozzle
[NASA-TM-103726] 11 p1702 N91-19374
PORTA, H. J.
A report on SHARP (Spacecraft Health Automated Reasoning Prototype) and the Voyager Neptune encounter
[NASA-CR-187810] 07 p1056 N91-15799
PORTANOVA, P. L.
Quality function deployment in launch operations
[AD-A230983] 13 p2033 N91-21178
PORTAZ, JOSEPH M.
X-ray inspection system
[PATENT-1-258-924] 23 p3882 N91-31660
PORTE, NATHALIE
SATEXPERT: An expert systems network for automatic spacecraft control 14 p2217 N91-22252
PORTELLI, C.
SMA applications in an innovative multishot deployment mechanism 16 p2642 N91-24622
PORTER, ALBERT A.
Lower bound on reliability for Weibull distribution when shape parameter is not estimated accurately
[NASA-CR-180681] 02 p0263 N91-11474
PORTER, BRUCE W.
Artificial intelligence project
[AD-A230793] 12 p1967 N91-20827
Machine learning research 1989-90
[NASA-CR-188828] 24 p4086 N91-32826
PORTER, DAVE
LDEF electronic systems: Successes, failures, and lessons 16 p2724 N91-25085
PORTER, G.
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
PORTER, JOHN
Sodium-neon resonant photoexcitation soft x ray laser experiments on Saturn
[DE90-014946] 01 p0046 N91-10275
PORTER, L. J.
Thermogravimetric experiments with titanium
[DE91-010073] 17 p2759 N91-25271
PORTER, LINDA
NASA/SPAN and DOE/ESnet-DECnet transition strategy for DECnet OSI/phase 5
18 p3079 N91-27025
PORTER, M. R.
Electron capture by multicharged ions from hydrogen atoms at eV energies
[DE91-001214] 04 p0582 N91-13243
PORTER, TIM
Lessons learned from an Ada conversion project
11 p1774 N91-19730
PORTMAN, D. A.
Natural and anthropogenic climate change
[DE91-007363] 11 p1733 N91-19532
PORTNER, BARRY D.
Investigation of fatigue damage mechanisms in a metal matrix composite under elevated temperature
[AD-A230388] 12 p1862 N91-20231
PORTNOY, W. M.
A hybrid pulse forming technique
[DE90-016860] 02 p0207 N91-11156
PORTO, FRANK W.
Data extraction and calibration of TIROS-N/NOAA radiometers
[NOAA-TM-NESS-107-REV-1] 04 p0543 N91-13010
POSEY, ALAN
Brake lock mechanism for the two axis pointing system 16 p2640 N91-24608
POSMENTIER, ERIC S.
Double diffusive interleaving across a thermohaline front
[AD-A224822] 03 p0393 N91-12185
POSNER, E. C.
The Telecommunications and Data Acquisition Report
[NASA-CR-186995] 03 p0353 N91-11973
The Telecommunications and Data Acquisition Report
[NASA-CR-187940] 10 p1510 N91-18308
POSNER, EDWARD C.
The Telecommunications and Data Acquisition Report
[NASA-CR-188813] 24 p3983 N91-32250

POSNER, MICHAEL I.
Explorations of anatomy of connectionist models for visual lexical access
[AD-A224845] 03 p0409 N91-12284
POSPIESZCZYK, A.
Modeling of hydrocarbon fueling
[DE90-014790] 01 p0048 N91-10289
POST, D.
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330
POST, D. E.
International Thermonuclear Experimental Reactor physics basis
[DE91-002646] 05 p0720 N91-14017
POST, G.
On Baecklund transformations and identities in bilinear form
[MEMO-856] 01 p0116 N91-10681
On the structure of special vectors of the Virasoro algebra
[MEMO-927] 22 p3746 N91-30877
Defining relations for Lie algebras of vector fields
[MEMO-928] 22 p3746 N91-30878
POST, JONATHAN V.
Unusual spacecraft materials
14 p2203 N91-22169
POST, MADISON J.
NOAA backscatter studies 24 p4060 N91-32679
POST, RICHARD F.
Comments on open-ended magnetic systems for fusion
[DE91-000972] 04 p0585 N91-13265
Some applications of mirror-generated electric potentials to alternative fusion concepts
[DE91-000973] 04 p0586 N91-13270
POST, W. M.
The response of atmospheric CO2 to changes in land use
[DE91-001212] 06 p0844 N91-14663
POSTEL, J.
Network communications research
[AD-A236542] 19 p3152 N91-27421
POSTHILL, J. B.
Semiconductor diamond technology
[AD-A228607] 09 p1410 N91-17758
Semiconductor diamond technology
[AD-A228608] 09 p1410 N91-17759
Semiconductor diamond technology
[AD-A233085] 16 p2694 N91-24915
Semiconductor diamond technology
[AD-A233293] 16 p2694 N91-24919
POSTHUMA, H. G.
APL implementation techniques
[MEMO-INF-91-03] 22 p3728 N91-30753
POSTNOV, K. A.
Thirty-five-day cycle of Her X-1: Synthesised optical light curves in the model of freely processing neutron star
06 p0921 N91-15089
POSTON, J. W., SR.
Reevaluation of S-values considering electron transport
[DE91-015428] 21 p3577 N91-29893
POSTON, JOHN W.
Preliminary calculation of solar cosmic ray dose to the female breast in space mission
[NASA-TM-4235] 09 p1449 N91-17997
POSTON, JOHN W., SR.
Considerations of beta and electron transport in internal dose calculations
[DE91-006251] 10 p1563 N91-18598
POSTON, TERRY L.
Hot air heat gun
[AD-D014885] 19 p3173 N91-27543
POSUKH, V. G.
Laboratory simulation of the astrophysical burst processes in non-uniform magnetised media
06 p0920 N91-15081
POTAMIANOS, GERASIMOS
Stochastic simulation techniques for partition function approximation of Gibbs random field images
[AD-A238611] 21 p3558 N91-29775
POTAPCZUK, M. G.
Numerical simulation of ice growth on a MS-317 swept wing geometry
[NASA-TM-103705] 06 p0777 N91-14310
Simulation of iced wing aerodynamics
[NASA-TM-104362] 15 p2365 N91-23086
Icing simulation: A survey of computer models and experimental facilities
[NASA-TM-104366] 15 p2365 N91-23087
POTAPCZUK, MARK G.
Progress toward the development of an airfoil icing analysis capability 02 p0148 N91-10866
POTATURKIN, P. I.
Pattern recognition method
[AD-A225263] 03 p0406 N91-12263
POTEMRA, T. A.
The magnetospheric response to 8-minute period strong-amplitude upstream pressure variations
[AD-A228038] 08 p1179 N91-16489
POTHEN, ALEX
Large sparse stable matrix computations
[AD-A229837] 12 p1970 N91-20837
POTOTZKY, ANTHONY
Development and testing of controller performance evaluation methodology for multi-input/multi-output digital control systems 14 p2230 N91-22337
POTOTZKY, ANTHONY S.
Computation of maximum gust loads in nonlinear aircraft using a new method based on the matched filter approach and numerical optimization 01 p0053 N91-10317
Static and dynamic aeroelastic characterization of an aerodynamically heated generic hypersonic aircraft configuration 01 p0054 N91-10320
POTSDAM, MARK
A numerical study of the effects of wind tunnel wall proximity on an airfoil model
[NASA-CR-187322] 02 p0161 N91-10934
POTTECK, S.
Influence of the telescope depointing on the performances of an optical link. Correlation between depointing law and coding, concerning the computation of mean BER
[CNES-CT/DRT/TIT/TR-88/24-T] 01 p0035 N91-10206
Principles of LOCSTAR system experiments
[CNES-CT/DRT/TIT/TR-88/355] 01 p0035 N91-10207
Modelization of LOCSTAR synchronisation system. Computation of non detection and false alarm probabilities. Reflections on threshold adjustment and correlator structure
[CNES-CT/DRT/TIT/TR-88/060] 01 p0117 N91-10691
POTTELETTE, R.
Plasma diffusion at the magnetopause? The case of lower hybrid drift waves
[NASA-CR-188913] 23 p3929 N91-31957
POTTER, BRIAN
InterFIS: A natural language interface to the fault isolation shell
[AD-A230780] 12 p1958 N91-20773
POTTER, G. L.
Interseasonal air-sea interactions in the OSU (Oregon State University) coupled upper ocean-atmosphere GCM (General Circulation Model)
[DE91-005261] 10 p1556 N91-18557
POTTER, GERALD L.
Cloud forcing: A modeling perspective
[DE91-007215] 11 p1737 N91-19551
POTTER, MITCHELL A.
TDRSS momentum unload planning
14 p2312 N91-22771
POTTER, SCOTT S.
Guidance for human interface with artificial intelligence systems 12 p1947 N91-20712
Making intelligent systems team players: Case studies and design issues. Volume 1: Human-computer interaction design
[NASA-TM-104738-VOL-1] 22 p3722 N91-30713
POTTER, WILLIAM J.
The Explorer platform planning system: An application of a resource reasoning planning shell
14 p2212 N91-22222
Using C to build a satellite scheduling expert system: Examples from the Explorer platform planning system
14 p2313 N91-22774
POTTERVELD, D. H.
Recent developments in laser-driven polarized sources
[DE91-006600] 10 p1529 N91-18419
POTTIER, J. M.
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988)
11 p1742 N91-19577
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
POTTLACHER, G.
Thermophysical properties of POCO AXF-5Q graphite up to melting
[DE91-014751] 21 p3485 N91-29334
POTU, BRAHMAJI
VLSI architectures for image, speech, and signal processing 09 p1329 N91-17300
POUCH, JOHN J.
Diamondlike carbon as a moisture barrier and antireflecting coating on optical materials
10 p1509 N91-18302
Optical dispersion relations for diamondlike carbon films 10 p1509 N91-18305
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306
POUGET, J. F.
Aragatz Mission: Bone densitometric results obtained with the SCOOP miniscanner 11 p1761 N91-19690
POUGET, J. P.
X ray structure of polyanilines
[AD-A233848] 18 p2959 N91-26332
POUGET, S.
A ground based expert system for Hermes orbital operations planning 14 p2213 N91-22227
POUKEY, J. W.
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333
POULAERT, B.
Simulation of physico-chemical properties during the cure of thermoset systems 03 p0330 N91-11841
POULOS, A. T.
Infrared multiphoton ignition and combustion enhancement of natural gas
[PB91-144584] 16 p2597 N91-24392
POULOS, H. G.
Some recent applications of numerical methods to geotechnical analysis
[PB90-201229] 01 p0112 N91-10655
POULOSE, M. M.
Microwave landing system modeling with application to air traffic control
[NASA-TM-102832] 15 p2367 N91-23099
POULSEN, P.
Progress toward steady-state, high-efficiency vircators
[DE91-008064] 12 p1894 N91-20415
POULTON, JOHN
Supercomputing power for interactive visualization
[AD-A236717] 19 p3230 N91-27858
Building microelectronic systems in a university environment
[AD-A236629] 20 p3336 N91-28477
POUND, B. G.
Electrochemical oxidation of methane at metal and metal oxide electrodes
[PB90-205196] 01 p0024 N91-10140
POUND, BRUCE G.
Evaluation of a diffusion/trapping model for hydrogen ingress in high-strength alloys
[AD-A229288] 09 p1314 N91-17214
POURAHMADI, MOSHEN
Analysis of nonGaussian, nonlinear time series with long-memory
[AD-A237847] 21 p3566 N91-29822
POURTAKDOUST, SEID HOSSEIN
Solutions of thin-layer Navier-Stokes equations for missile configurations 02 p0210 N91-11173
POVINELLI, L.
Navier-Stokes analysis of transonic cascade flow
[NASA-TM-103624] 02 p0213 N91-11192
POVINELLI, LOUIS A.
Internal fluid mechanics research
12 p1837 N91-20095
Transonic cascade flow calculations using non-periodic C-type grids 13 p2013 N91-21071
Implicit solution of three-dimensional internal turbulent flows 13 p2015 N91-21082
CFD for hypersonic propulsion
[NASA-TM-103791] 13 p2078 N91-21447
Application of computational fluid dynamics in high speed aeropropulsion
[NASA-TM-103780] 13 p2080 N91-21458
Computational modeling and validation for hypersonic inlets 15 p2378 N91-23162
POVOLO, F.
Resonant method for the measurement of the glass transition temperature at high frequencies
[DE91-618684] 20 p3326 N91-28416
Stress relaxation in bending of type AISI 304 stainless steel at 773K and 823K
[DE91-618657] 23 p3883 N91-31666
POWEL, M. B.
Bibliography on metrication
[AD-A224996] 04 p0513 N91-12848
POWELL, A.
Soviet atmospheric acoustics research
15 p2500 N91-23848
POWELL, C. M.
New palaeomagnetic results from the Amadeus Basin and their implications for stratigraphy and tectonics
19 p3196 N91-27670

POWELL, D. R.
Artificial intelligence technologies applied to terrain analysis
[DE90-011985] 08 p1208 N91-16642
POWELL, DAVID JOHN
Inter-GEN: A hybrid approach to engineering design optimization 23 p3851 N91-31471
POWELL, FREDERIC D.
Examination of RTCA/DO-198 position reconstruction algorithms for area navigation with the microwave landing system
[AD-A224804] 04 p0474 N91-12648
A Gaussian algorithm using coordinate rotation for area navigation operations with the microwave landing system
[AD-A225642] 04 p0475 N91-12653
A successive partial-relaxation Gaussian algorithm for area navigation operations with the Microwave Landing System (MLS)
[AD-A228871] 08 p1094 N91-16004
POWELL, G. L.
Initial calorimetry experiments in the Physics Divsion, ORNL (Oak Ridge National Laboratory)
[DE90-010301] 08 p1226 N91-16756
POWELL, HOWARD J.
Evaluation of long-duration exposure to the natural space environment on graphite-polyimide and graphite-epoxy mechanical properties
16 p2719 N91-25056
POWELL, J.
Ultra high temperature particle bed reactor design
14 p2199 N91-22144
The Liquid Annular Reactor System (LARS) propulsion
[DE91-010972] 17 p2863 N91-25832
POWELL, J. A.
Ellipsometric study of cubic SiC
10 p1509 N91-18304
POWELL, J. ANTHONY
Silicon carbide, a semiconductor for space power electronics
[NASA-TM-103655] 06 p0878 N91-14850
Development of silicon carbide semiconductor devices for high temperature applications
[NASA-TM-104398] 14 p2337 N91-22921
Advances in silicon carbide Chemical Vapor Deposition (CVD) for semiconductor device fabrication
[NASA-TM-104410] 15 p2516 N91-23946
Silicon carbide, an emerging high temperature semiconductor 15 p2538 N91-24061
Process for the controlled growth of single-crystal films of silicon carbide polytypes on silicon carbide wafers
[NASA-CASE-LEW-15222-1] 18 p3070 N91-26966
Process for the homoepitaxial growth of single-crystal silicon carbide films on silicon carbide wafers
[NASA-CASE-LEW-15223-1] 18 p3070 N91-26967
POWELL, J. R.
A computer model to determine the primary contributors to relative radiation dose received by astronauts
[DE90-015681] 05 p0694 N91-13866
Light weight space power reactors for nuclear electric propulsion
[DE91-014803] 21 p3468 N91-29232
A nuclear thermal rocket engine design based on the particle bed reactor suitable for a Mars mission
[DE91-016898] 24 p3967 N91-32160
POWELL, JAMES
The Liquid Annular Reactor System (LARS) propulsion
14 p2199 N91-22145
POWELL, JOHN D.
Plasma analysis of a small-bore, arc-armature railgun
[AD-A230289] 12 p1851 N91-20175
POWELL, K. A.
SAM 2 measurements of the polar stratospheric aerosol. Volume 9: October 1982 - April 1983
[NASA-RP-1244] 10 p1546 N91-18505
POWELL, M. R.
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544
POWELL, MICHAEL G.
Large Angle Transient Dynamics (LATDYN) user's manual
[NASA-CR-4401] 23 p3886 N91-31685
POWELL, MICHAEL R.
Doppler indices of gas phase formation in hypobaric environments: Time-intensity analysis
[NASA-TM-102176] 22 p3718 N91-30692
POWELL, R. M.
Center for electronics and electrical engineering: 1990 program description
[PB90-207754] 04 p0611 N91-13395
POWELL, RICHARD
Launch vehicle performance using metallized propellants
[NASA-TM-104456] 16 p2581 N91-24304
POWELL, RICHARD C.
Growth and characterization of tunable solid state lasers in the near infrared spectral region
[NASA-CR-187380] 03 p0370 N91-12071
Laser spectroscopy characterization of materials for frequency agile solid state laser systems
[AD-A233916] 18 p2989 N91-26500
POWELL, ROGER
Analysis of air toxics emissions, exposures, cancer risks, and controllability in five urban areas. Volume 2: Controllability analysis and results
[PB90-259870] 09 p1359 N91-17468
POWELL, T. G.
Petroleum source rocks of the Amadeus Basin
19 p3198 N91-27678
POWER, CLARE
Use of satellite remote sensing of cloud and rainfall for selected operational applications in the fields of applied hydrology and food production 03 p0383 N91-12135
POWER, G.
Multiframe x ray images from a single meander stripline coated on a microchannel plate
[DE90-010741] 08 p1131 N91-16224
Time response of fast-gated microchannel plates used as x ray detectors
[DE91-006243] 09 p1330 N91-17308
POWER, GREGORY DAN
A novel approach for analyzing supersonic high Reynolds number flows with separation
03 p0299 N91-11668
POWERS, ALAN K.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
POWERS, ALLEN K.
IVA the robot: Design guidelines and lessons learned from the first space station laboratory manipulation system 12 p1935 N91-20643
POWERS, BRUCE
Research flight-control system development for the F-18 high alpha research vehicle
[NASA-TM-104232] 14 p2196 N91-22131
POWERS, EDWARD D., JR.
Interim results from the characterization testing of the Engineering Development (EDM) rubidium clocks for satellite applications 17 p2854 N91-25782
POWERS, EDWARD J.
Joint services electronics program: Electronics research at the University of Texas at Austin
[AD-A230805] 12 p1893 N91-20413
POWERS, JOHN P.
Automatic particle sizing from rocket motor holograms
[AD-A232553] 15 p2391 N91-23236
POWERS, W. T.
Rocket plume spectrometry: A system permitting engine condition monitoring, as applied to the technology test bed engine 16 p2585 N91-24325
POZDNYAKOV, O. M.
Effects of 13 day space flight on skeletal muscles and neuromuscular junctions in rats
18 p3026 N91-26703
POZGAJ, IRENE
Three hierarchies in skeletal muscle fibre classification allotype, isotype and phenotype
17 p2819 N91-25577
POZGAY, R.
MMIC compensation network for phased array element mismatch
[AD-A227437] 06 p0818 N91-14522
POZHARSKAYA, L. G.
Hormonal regulators of calcium metabolism following space flights of various durations
18 p3023 N91-26689
POZNYAKOV, V. D.
Properties of high-cleanness high-strength steel 12GN2MFAYu 19 p3132 N91-27309
PRAAGMAN, C.
Column reduction of polynomial matrices: An iterative algorithm
[MEMO-COSOR-89-30] 08 p1200 N91-16598
PRABHAKARA, C.
Rainfall estimation over oceans from scanning multichannel microwave radiometer and special sensor microwave/imager microwave data
[NASA-TM-104546] 22 p3710 N91-30646
PRADIER, A.
Aluminium-lithium alloys: A review and assessment
03 p0332 N91-11857
Cost optimisation of load carrying structures
03 p0334 N91-11870
PRADO, GERVASIO
Vehicular sources in acoustic propagation experiments
08 p1215 N91-16690
PRADOBRITTO, RUBERIO
The spatial and temporal variations of a thermodynamic structure over a forested area
[INPE-5033-RPE/618] 03 p0384 N91-12141
PRAEL, R.
Computation of standard deviations in Eigenvalue calculations
[DE90-017809] 02 p0264 N91-11479
PRAEL, R. E.
Radiation exposure and protection for moon and Mars missions
[DE91-011346] 17 p2823 N91-25599
PRAGER, S.
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
PRAGER, S. C.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535
The Madison symmetric torus
[DE90-010306] 08 p1226 N91-16757
q-Dependence of magnetic turbulence in a tokamak
[DE91-009679] 14 p2329 N91-22867
Nonlinear reversed field pinch dynamics with nonideal boundaries
[DE91-013638] 20 p3419 N91-28961
Magnetic fluctuations due to thermally excited Alfven waves
[DE90-011790] 21 p3584 N91-29940
Edge electrostatic fluctuations and transport in the MST reversed field pinch
[DE91-015218] 21 p3588 N91-29959
Anomalous ion heating from the dynamo in a reversed field pinch
[DE91-015586] 21 p3589 N91-29966
PRAHARAJ, S. C.
Further improvements to nozzle boundary layer calculations in BLIMPJ 09 p1299 N91-17130
PRAHARAJ, SARAT C.
Boundary layer simulator improvement
[NASA-CR-183660] 16 p2563 N91-24212
PRAHL, JOSEPH
Parched elastohydrodynamic lubrication: Instrumentation and procedure
[NASA-TM-104426] 22 p3676 N91-30489
PRAHOVIC, M. G.
Exact solutions for a system of nonlinear plasma fluid equations
[DE91-014367] 20 p3420 N91-28965
PRAIRIE, M. R.
Commercializing solar hydrogen production
[DE91-011232] 18 p2970 N91-26398
PRAIRIE, MIKE
Photocatalytic destruction of chlorinated solvents with solar energy
[DE91-000767] 09 p1310 N91-17193
PRAKASH, OM, II
Multivariable control of the Space Shuttle remote manipulator system using H2 and H(infinity) optimization
[NASA-CR-185661] 19 p3173 N91-27540
PRAKASH, RAMESH K.
Isolation, cloning and expression of the genes for microbial polyurethane degradation
[AD-A232108] 15 p2473 N91-23699
PRAKEENVINCHA, E.
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A235962] 19 p3140 N91-27352
PRAMONO, E.
Computational methods and software systems for dynamics and control of large space structures
[NASA-CR-187669] 05 p0628 N91-13480
PRAPAS, DEMETRIOS K.
An automated system for measuring the mass flowrate of powders in transport lines
[AD-A225560] 03 p0366 N91-12053
PRAS, A.
CISLAN architecture: First cycle
[MEMO-INF-90-19] 03 p0398 N91-12211
CISLAN architecture second cycle
[MEMO-INF-90-67] 14 p2302 N91-22718
Network layer routing
[MEMO-INF-90-83] 22 p3737 N91-30812
Network management: An alternative view
[MEMO-INF-90-82] 22 p3739 N91-30826
PRASAD, ANANTHA M. G.
Greenhouse gas emissions in Sub-Saharan Africa
[DE91-005629] 09 p1361 N91-17482
PRASAD, P. S. S.
Ambient temperature solid polymer electrolyte devices
[AD-A228716] 09 p1318 N91-17237
Interfacial stability of lithium in non-aqueous gel polymer electrolyte cells
[AD-A229186] 09 p1330 N91-17303

PRASAD, PARAS N.
Design, ultrastructure, and dynamics of nonlinear optical interactions in polymeric thin films
[AD-A228876] 08 p1120 N91-16156
Molecular engineering dynamics of electron transport and nonlinear optical interaction in Langmuir-Blodgett films of organic semiconductor heterostructure
[AD-A235001] 18 p3059 N91-26897
First International conference on Frontiers of Polmer Research
[AD-A238112] 21 p3489 N91-29361

PRASANNA, G. N.
Structure driven multiprocessor compilation of numeric problems
[AD-A234653] 18 p3044 N91-26803

PRATAP, PREETHI
An interferometric study of molecular emission around NGC 7538 at millimeter wavelengths
06 p0915 N91-15042

PRATER, E. T.
Q-vectors: A new approach to an old problem
[PB90-235490] 01 p0069 N91-10414

PRATER, J. T.
Chemistry related to semiconductor growth involving organometallics
[AD-A229489] 22 p3758 N91-30947

PRATER, R.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919

PRATER, R. B.
Electrochemical impedance spectroscopy study of corrosion of painted cold-rolled and electrogalvanized sheet steel for automotive use
[PB91-110718] 09 p1313 N91-17206

PRATHER, M. J.
The atmospheric effects of stratospheric aircraft: A topical review
[NASA-RP-1250] 08 p1174 N91-16466

PRATI, C.
SAR interferometry can give 1 meter altitude resolution 07 p0992 N91-15446
Focusing SAR data with time-varying Doppler centroid
[REPT-90-033] 10 p1514 N91-18334
Blind deconvolution for Doppler centroid estimation in high frequencies SAR
[REPT-90-034] 10 p1514 N91-18335
Seismic migration for SAR focusing: Interferometrical applications
[REPT-90-036] 10 p1514 N91-18336
Limits to the resolution of elevation maps from stereo SAR images
[REPT-90-035] 10 p1538 N91-18467

PRATLEY, D. J.
Gas turbines for main propulsion and auxiliary power systems
[PNR-90709] 01 p0011 N91-10069

PRATT, J. RICHARD
Processable polyimide adhesive and matrix composite resin
[NASA-CASE-LAR-14101-1] 07 p0984 N91-15403
Polyimides prepared from 3,5-diamino benzo trifluoride
[NASA-CASE-LAR-14206-1] 20 p3327 N91-28425

PRATT, R. H.
Scattering of photons from atomic electrons
[DE91-006268] 10 p1592 N91-18778

PRATT, T. W.
Performance measurement of a parallel input/output system for the Intel iPSC/2 hypercube
[DE91-014219] 20 p3389 N91-28779

PRAUSE, S.
Development of a digital data acquisition and evaluation system for dynamic testing 07 p0959 N91-15280

PRE, T.
Flow visualization and simulation
[AAAF-NT-89-18] 23 p3870 N91-31590

PRECETTI, DOMINIQUE
Vibration analysis of the SA349/2 helicopter
[NASA-TM-102794] 23 p3781 N91-31078

PREDMESKY, R. L.
Synthesis of high purity sinterable Si3N4 powders
[DE91-005637] 10 p1502 N91-18268

PREGNO, G.
Microgravity tests on Spacelab water and freon pumps
07 p0959 N91-15275

PREISS, ANDREAS
Development of single blade rotor wind energy converters: From M400 prototype to MON 50 preseries
[MBB-UE-0015-90-PUB] 23 p3889 N91-31705

PREISS, BRUCE
Development of a figure-of-merit for space missions
16 p2596 N91-24387
Oxygen production on Mars: A figure-of-merit approach 17 p2912 N91-26079

PREIST, D. H.
A high power Klystrode with potential for space application
[DE91-013046] 20 p3338 N91-28486

PRELEC, K.
The BNL toroidal volume H(-) source
[DE91-013592] 21 p3586 N91-29947

PREM, H.
Technological management as an element of strategy for an efficient company management
[MBB-Z-0307-90-PUB] 08 p1240 N91-16834

PREM, HORST
Noxious matter minimization as a project criterion for aircraft
[MBB-Z-0337-90-PUB] 23 p3790 N91-31134

PREMAGEETHA, B. K.
AEROWING - The software for aerodynamic analysis of a large aspect-ratio finite wing at low speeds
[NAL-PD-CF-9101] 21 p3452 N91-29146

PREMALATHA
Performance of an airfoil at low Reynolds number
[NAL-PD-CF-9102] 21 p3452 N91-29145

PREMPEH, E. O. A.
Experiences in the use of ABAQUS for creep analysis
[PNR-90705] 02 p0226 N91-11266

PRENDERGAST, PAT
Acoustic behavior of negative Poisson's ratio materials
[AD-A235695] 19 p3138 N91-27340

PRENDIN, WALTER
Telerobotics: A key area for possible technology transfer from underwater to space 15 p2451 N91-23581

PRENGER, COYNE
Transient analysis of a two-phase hydrogen heat switch
[DE91-002314] 06 p0816 N91-14506

PREPOST, R.
Strain enhanced electron spin polarization observed in photoemision from InGaAs
[DE91-012319] 20 p3425 N91-28996

PRESCOTT, GLENN
A modulation quality factor for Low Probability of Intercept (LPI) communications systems
16 p2616 N91-24483

PRESCOTT, P. J.
Modeling of dendritic solidification systems: Reassessment of the continuum momentum equation and application to solidification of a lead-tin alloy
[DE91-008228] 12 p1871 N91-20281

PRESCOTT, W.
Plate motion and deformation
[DE91-010466] 18 p3009 N91-26612

PRESCOTT, WILLIAM H.
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591

PRESS, A. J.
NUFA: A semi-empirical method for the prediction of isolated weapon aerodynamics
06 p0773 N91-14287

PRESS, WILLIAM
Computing and data processing
24 p4120 N91-33028

PRESSECQ, F.
CNES activities on ASIC 24 p3991 N91-32298

PRESSMAN, A. E.
Sea ice lead statistics from satellite imagery of the Lincoln Sea during the iceshelf acoustic exercise, Spring, 1990
[AD-A228735] 09 p1369 N91-17525

PRESTA, R. W.
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511

PRESTAGE, J. D.
Computer simulations of ions in radio-frequency traps
03 p0354 N91-11975

PRESTAGE, JOHN D.
Ultra-stable Hg(+) trapped ion frequency standard
17 p2852 N91-25768
Local oscillator induced degradation of medium-term stability in passive atomic frequency standards
17 p2857 N91-25798

PRESTMATTEDI, ADRIANA
Technological innovation centers in Brazil: Performance and new directions
[INPE-5082-TDL/416] 03 p0428 N91-12398

PRESTON, C. C.
Benchmark field study of deep neutron penetration
[DE91-015677] 24 p4096 N91-32886

PRESTON, D. L.
A new model of rate dependent elastic-plastic flow
[DE91-014600] 20 p3364 N91-28633

PRESTON, D. R.
A system for UNIX command retrieval using a multilayered neural network
[DE91-012105] 18 p3082 N91-27045

PRESTON, J. F.
The effect of fluoride gases on cylinder valve corrosion
[DE91-012745] 20 p3316 N91-28355

PRESTON, M. O.
Yacht mast design: Using carbon composites
[BU-507] 14 p2241 N91-22398

PRESTON, RICHARD R.
Activity and information modeling methodology assessment
[AD-A236234] 22 p3766 N91-30992

PRESTWICH, K. R.
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333

PRETZSCH, PETER
A contribution to the output analysis and layout of transonic axial turbine stages
[ETN-90-97862] 02 p0181 N91-11017

PREUSS, LUDWIG
Long Duration Exposure Facility (LDEF) results
16 p2720 N91-25063

PREVOST, H.
Laser heated calcium sulfate TLD plates: Application to radiation mapping 24 p4001 N91-32364

PREYSSL, C.
Safety analysis applied to test/verification of ESA space systems 07 p0951 N91-15222

PREZELIN, BARBARA B.
Molecular biology of the photoregulation of photosynthetic light-harvesting complexes in marine dinoflagellates
[AD-A236623] 19 p3209 N91-27739

PREZYNA, L. A.
Interaction of cationic polypeptides with electroactive polypyrrole/poly(styrenesulfonate) and poly(N-methylpyrrole)/poly(styrenesulfonate) films
[AD-A234469] 18 p2947 N91-26258

PRIBIK, D.
A combined Eulerian-Lagrangian two-phase analysis of the SSME HPOTP nozzle plug trajectories
02 p0151 N91-10878

PRICE, D. L.
Liquid alloys with strong interactions
[DE90-017661] 02 p0197 N91-11102
Structure of molten salts
[DE90-017704] 02 p0278 N91-11566
Temperature dependence of the first sharp diffraction peak in vitreous silica
[DE90-011181] 09 p1317 N91-17230
Kinetic energy of hydrogen in beta-V2H studied by neutron Compton scattering
[DE91-006589] 10 p1501 N91-18261

PRICE, D. MARVIN
Optimization techniques applied to passive measures for in-orbit spacecraft survivability
[NASA-CR-184198] 23 p3802 N91-31204

PRICE, DAVID W.
Bibliography of documents related to the theory, operation, performance and applications of coaxial plasma guns, revision
[AD-A229799] 12 p1982 N91-20908

PRICE, FLOYD
Kansas Aviation Review
[NIAR-91-3] 16 p2543 N91-24087

PRICE, HUMPHREY W.
Advanced spacecraft: What will they look like and why
14 p2203 N91-22168

PRICE, JAMES F.
Ocean response to a hurricane. Part 2: Data tabulations and numerical modeling
[AD-A236059] 19 p3202 N91-27698

PRICE, JILL S.
HII regions in IC 1613: The ISM in a nearby dwarf irregular galaxy 05 p0746 N91-14157

PRICE, KENT M.
Data distribution satellite
[NASA-CR-187066] 09 p1323 N91-17266
Unattended network operations technology assessment study. Technical support for defining advanced satellite systems concepts
[NASA-CR-187080] 15 p2533 N91-24030

PRICE, LARRY D.
Evaluation of aircraft turbine engine redesigns
[AD-A237599] 21 p3459 N91-29184

PRICE, M.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585

PRICE, M. E.
Earth sciences report, 1989 - 1990
[DE91-017132] 24 p4124 N91-33053
PRICE, P. BUFORD
Science requirements for Heavy Nuclei Collection (HNC) experiment on NASA Long Duration Exposure Facility (LDEF) Mission 2
[NASA-CR-187527] 15 p2506 N91-23887
PRICE, PAMELA E.
The development of an improved convective initiation scheme for Mesoscale numerical weather prediction models, phase 1
[AD-A235417] 18 p3015 N91-26650
PRICE, R. C.
Optimisation algorithms for highly parallel computer architectures
[AD-A235911] 19 p3225 N91-27827
PRICE, S. D.
Observations of the galactic plane by the zodiacal infrared project 05 p0743 N91-14143
PRICE, S. G.
Thermal vacuum testing of the Olympus PFM spacecraft 07 p0953 N91-15239
PRICE, W. FRANK
International Civil Aviation Organization (ICAO) Automatic Dependent Surveillance Panel (ADSP) activities 24 p3955 N91-32097
PRICE, WILLIAM E.
Total-dose radiation effects data for semiconductor devices (1989 supplement)
[NASA-CR-187431] 05 p0725 N91-14049
PRICHARD, DEVON S.
Development of a full potential solver for rotor aerodynamics analysis 05 p0614 N91-13407
PRIDDY, TOMMY G.
Composite slip table of dissimilar materials for damping longitudinal modes
[DE90-015128] 02 p0190 N91-11064
PRIEBE, C. E.
Adaptive mixture approach to pattern recognition
[AD-A231831] 14 p2306 N91-22742
Least-squares learning and approximation of posterior probabilities on classification problems by neural network models
[AD-A237140] 21 p3567 N91-29833
PRIEDHORSKY, W. C.
A slit aperture for the Monitoring X ray Experiment (MOXE)
[DE91-013317] 21 p3518 N91-29538
PRIEDHORSKY, WILLIAM C.
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720
PRIEM, RICHARD J.
Analysis of 5 KHz combustion instabilities in 40K methane/LOX combustion chambers
[NASA-TM-101368] 01 p0020 N91-10117
Nonlinear combustion instability model in two- to three-dimensions
[NASA-TM-102381] 23 p3803 N91-31208
PRIEST, CLAUDE C.
Overview of space station 03 p0429 N91-12402
PRIEST, PETE
The space exploration initiative
20 p3291 N91-28194
PRIETO, FRANCISCO J.
A sequential quadratic programming algorithm using an incomplete solution of the subproblem
[AD-A228829] 09 p1383 N91-17606
PRIGOGINE, I.
Time, dynamics and chaos
[DE91-008316] 12 p1993 N91-20972
PRILEPIN, M. T.
Satellite geodesy and earthquake prediction
12 p1849 N91-20164
PRIMAS, L. E.
Design of a fiber-optic transmitter for microwave analog transmission with high phase stability
03 p0354 N91-11976
PRIMAS, LORI E.
Fiber optic frequency transfer link
[NASA-CASE-NPO-17703-1-CU]
19 p3247 N91-27957
PRIMDAHL, FRITZ
Magnetic measurements with fluxgate magnetometer in rocket flight
[DRI-4-90] 08 p1104 N91-16061
PRIMM, R. T., III
The weighted-difference form of the nodal diffusion method in cylindrical geometry
[DE91-007849] 11 p1784 N91-19784
PRIMOT, JEROME
Application of wavefront sensing techniques to restoring of images degraded by atmospheric turbulence
[ESA-TT-1194] 22 p3755 N91-30932
PRINA, STEVEN RONALD
The analysis and design of brushless DC motors
23 p3859 N91-31516
PRINCIOTTA, FRANK T.
Acid rain control options
[PB91-162545] 19 p3188 N91-27630
PRINJA, A. K.
Molecular dynamics simulations of bulk displacement threshold energies in Si
[DE91-011957] 20 p3400 N91-28846
PRINS, JAN F.
Prototyping parallel and distributed programs in proteus
[AD-A236597] 20 p3384 N91-28746
PRINZ, B.
Demixing of a monotectic ternary alloy (TEXUS 20)
23 p3843 N91-31429
PRIOLEAU, J. C.
Chromosomal changes in cultured human epithelial cells transformed by low- and high-LET radiation
[DE91-013772] 20 p3379 N91-28720
PRIOLO, F. J.
Supersonic tactical missile computation using Euler's equation with crossflow separation modeling
06 p0772 N91-14284
Application of Euler and Navier-Stokes codes to missile type bodies with high L/D ratios
06 p0773 N91-14286
PRIPSTEIN, D. A.
Automatic tracking of the intersection of a laser and electron beam
[DE91-007740] 10 p1531 N91-18434
PRISK, GORDON KIM
Heart-lung interactions in aerospace medicine
17 p2819 N91-25576
PRITCHARD, DAVID E.
Atom wave interferometer
[AD-A234863] 18 p2988 N91-26494
Experiments with trapped atoms
[AD-A234580] 18 p3059 N91-26895
PRITZ, W.
A system level analysis of the ammonia arcjet
16 p2572 N91-24255
PRIVALOV, V. YE.
He-Ne laser emitting five lines simultaneously
11 p1788 N91-19813
PROBER, D. E.
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011894] 18 p3071 N91-26973
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011826] 18 p3075 N91-26991
PROCASSINI, R. J.
On the use of particle-in-cell methods for the study of magnetically-confined fusion plasmas
[DE91-015093] 20 p3423 N91-28984
PROCHASKA, ELEANOR S.
Analysis of pressure-broadened ozone spectra in the 3 micron region 04 p0599 N91-13336
PROCOPIS, STEPHANIE
Intrepid: A mission to Pluto 08 p1101 N91-16047
PROCTOR, DAVID R.
Life sciences on-line: A study in hypermedia application 13 p2165 N91-21943
PROCTOR, FRED
Model comparison of July 7, 1990 microburst
16 p2556 N91-24171
PROCTOR, I. D.
The new LLNL AMS spectrometer
[DE90-010868] 08 p1108 N91-16084
Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538
PROCTOR, M.
A qualitative view of cryogenic fluid injection into high speed flows
[NASA-TM-105139] 22 p3677 N91-30473
PROCTOR, M. P.
Some preliminary results of brush seal/rotor interference effects on leakage at zero and low RPM using a tapered-plug rotor
[NASA-TM-104396] 19 p3176 N91-27559
PROCTOR, MARGARET P.
Eccentricity effects on leakage of a brush seal at low speeds
[NASA-TM-105141] 23 p3804 N91-31220
PROCTOR, T. M.
Progress in ultrasonic measurements research in 1990: Transient sources for acoustic emission work
[AD-A234965] 18 p3056 N91-26882
PRODAN, N. G.
Morphological examination of rat adrenal glands following flight aboard Biosputnik Kosmos-1667
01 p0095 N91-10553
PROETEL, K.
Cryo-calibration facility for ISOPHOT
07 p0957 N91-15264
PROFFITT, DENNIS R.
Observer properties for understanding dynamical displays: Capacities, limitations, and defaults
[NASA-TM-102812] 19 p3214 N91-27764
PROGAR, DONALD J.
Evaluation of two bisimide additives in LARC-TPI adhesive
[NASA-TM-102742] 01 p0031 N91-10182
Novel polyimide molding powder, coating, adhesive, and matrix resin
[NASA-CASE-LAR-14163-1] 05 p0642 N91-13559
Processable polyimide adhesive and matrix composite resin
[NASA-CASE-LAR-14101-1] 07 p0984 N91-15403
PROKHORENKO, V. I.
Specific tasks of multiple scale plasma measurements in Regatta-Cluster system 01 p0069 N91-10419
PROKHOROV, A. M.
Breakup of femtosecond pulses during amplification in Er(3+)-doped single-mode optical fibers
11 p1788 N91-19812
Phenomenological theory of phase transitions to nonhomogeneous noncommensurate phase with superconducting current 11 p1789 N91-19817
PROKHOROV, M. E.
Thirty-five-day cycle of Her X-1: Synthesised optical light curves in the model of freely processing neutron star
06 p0921 N91-15089
PRONIK, I. I.
Observational effects of interaction in the Seyfert galaxy NGC 7469 08 p1254 N91-16906
Signs of interaction of the NGC 1275 nucleus with the high-velocity system according to 0.7 sec seeing observations 08 p1256 N91-16918
PROPST, G.
A comparison of time domain boundary conditions for acoustic waves in wave guides
[NASA-CR-187618] 23 p3919 N91-31889
PROSCHAN, FRANK
Statistical aspects of reliability, maintainability, and availability
[AD-A234546] 18 p2996 N91-26546
PROSPERETTI, A.
Numerical and physical modelling of bubbly flow phenomena
[DE91-013646] 21 p3511 N91-29492
PROSSER, ROBERT A.
Analysis of ballistically caused damage in some test panel fibers
[AD-A236061] 19 p3175 N91-27552
PROTOPOPESCU, V.
Linear vs nonlinear and infinite vs finite: An interpretation of chaos
[DE91-002522] 05 p0729 N91-14072
A two-sided game for competitive systems with non-local interactions
[DE90-008490] 07 p1056 N91-15803
Integral methods for solving Fokker-Planck-type equations
[DE90-012171] 22 p3743 N91-30854
PROTSENKO, I. M.
Plasma-optics systems for the formation and focusing of ion beams 23 p3929 N91-31956
PROTSKEVICH, L. I.
Laser alloying of steel using powder materials
19 p3131 N91-27299
PROTZEL, PETER W.
Performance and fault-tolerance of neural networks for optimization
[NASA-CR-187582] 19 p3232 N91-27869
PROUDFOOT, PAUL M.
A printed circuit folded dipole with integrated balun
[AD-A225561] 07 p0997 N91-15476
PROUDLER, I. K.
The QR-decomposition based least-squares lattice algorithm for adaptive filtering
[RSRE-MEMO-4409] 09 p1379 N91-17580
PROVENZANO, V.
Method of producing superconducting materials in bulk form
[AD-D014656] 11 p1806 N91-19917
PROVIDAKES, J.
The collective gyration of a heavy ion cloud in a magnetized plasma
[NASA-CR-187823] 22 p3757 N91-30943
PROVIDAKES, JAMES FRED
Ionospheric processes associated with intense subauroral electric fields 16 p2656 N91-24697
PROVINCE, M. A.
Extended database of microwave common carrier antenna gain patterns
[PB91-119206] 13 p2069 N91-21398
PROVORSE, JOHN
Aircraft icing handbook, volume 1
[AD-A238039] 21 p3453 N91-29154

Aircraft icing handbook, volume 2
[AD-A238040] 21 p3453 N91-29155
Aircraft icing handbook, volume 3
[AD-A238041] 21 p3454 N91-29156

PRUESS, K.
A mathematical model for two-phase water, air, and heat flow around a linear heat source emplaced in a permeable medium
[DE91-014614] 20 p3345 N91-28527

PRUESS, KARSTEN
Proceedings of the TOUGH Workshop
[DE91-005405] 10 p1524 N91-18388

PRUESSNER, MANFRED K.
Spectral estimation techniques with emphasis on short data records: A primer
[AD-A237486] 21 p3475 N91-29271

PRUETT, C. DAVID
On the nonlinear stability of a high-speed, axisymmetric boundary layer
[NASA-CR-187538] 13 p2017 N91-21099

PRUETT, D. J.
Radioluminescent (RL) lighting system development program
[DE91-009743] 15 p2416 N91-23381

PRUETT, N. J.
Records management at the DOE national laboratories: Sandia National Laboratories
[DE91-015563] 21 p3604 N91-30057

PRUGNIEL, PHILIPPE
Tidal distortions in pairs of early-type galaxies
08 p1247 N91-16869
Dynamical friction in pairs of elliptical galaxies
08 p1259 N91-16933

PRUITT, JOHN S.
Absorbed-dose calibration of ionization chambers in a Co-60 gamma-ray beam
[PB91-132290] 18 p3058 N91-26890

PRUNEDA, CESAR O.
Development of a high-tensile-strain plastic-bonded TATB explosive
[DE90-011463] 08 p1121 N91-16162

PRUSCHKE, THOMAS
Model examination of the single particle properties of high correlated electron systems
[ETN-90-98177] 04 p0582 N91-13246

PRUSTI, TIMO
The embedded objects in epsilon Cha I cloud
06 p0895 N91-14949

PRUTCHI, DAVID
A method to measure dynamic contact stresses between flexible bodies with application to biomechanics
[ITN-91-85068] 07 p1037 N91-15690

PRYFOGLE, P. A.
Mechanisms of bacterial metals removal from solids
[DE91-012808] 20 p3316 N91-28356

PRYOR, ROBERT
Isolation, cloning and expression of the genes for microbial polyurethane degradation
[AD-A232108] 15 p2473 N91-23699

PRYWES, NOAH S.
Software reverse engineering
[AD-A232644] 15 p2487 N91-23773

PRZEKWAS, A. J.
Assessment of numerical methods for the solution of fluid dynamics equations for nonlinear resonance systems 09 p1299 N91-17128

PRZYJEMSKI, JOSEPH
Advanced ECCM techniques for GPS processing
16 p2615 N91-24478

PRZYSTUPA, MAREK A.
Development of the microstructure based stochastic life prediction models
[AD-A237768] 21 p3481 N91-29312

PSALTIS, DEMETRI
Dense modifiable interconnections utilizing photorefractive volume holograms
[AD-A230164] 12 p1901 N91-20456

PUCHALSKY, R.
High resolution CO images of Seyfert Galaxies
05 p0738 N91-14121

PUCHE, DANIEL
H I studies of the sculptor group galaxies
08 p1249 N91-16876

PUCHNAREWICZ, E. M.
IUE and Einstein observations of the LINER galaxy NGC 4579 09 p1444 N91-17965

PUESCHEL, RUDOLF F.
International Workshop on Stratospheric Aerosols: Measurements, Properties, and Effects
[NASA-CP-3114] 24 p4032 N91-32528

PUGACZ, EDWARD J.
Microwave Landing System (MLS) back azimuth operational issues flight tests
[AD-A228659] 09 p1275 N91-17011

PUGET, J. L.
Small scale variations of abundances of transiently heated grains in molecular clouds
06 p0892 N91-14927

PUGET, JEAN-LOUP
Submillimeter observations of interstellar dust
13 p2178 N91-22028

PUGH, A. C.
On the structure of polynomial models of 2-D systems
[MATHS-REPT-A-139] 15 p2494 N91-23812

PUGH, C. E.
Assessment of ductile fracture methodology based on applications to large-scale experiments
[DE91-009920] 20 p3360 N91-28614

PUGH, E. NEVILLE
Institute for Materials Science and Engineering: Metallurgy Division, technical activities 1990
[PB91-132225] 16 p2599 N91-24403

PUGH, H. LAUREN
A computer-based instructional support network: Design, development, and evaluation
[AD-A227922] 08 p1207 N91-16637

PUGH, TED
Transportation telecommunications
[PB91-123257] 13 p2069 N91-21399

PUJAR, M. G.
Compatibility studies of copper, brass and cupronickel with Hytherm-500 thermofluid
[DE91-618664] 16 p2602 N91-24421

PUJARA, L. R.
A computer aided multivariable control systems design technique with application to aircraft flying qualities
[AD-A232549] 15 p2375 N91-23144

PUJOL, C.
Second generation supersonic transport aircraft: Low speed aerodynamics
[AAAF-NT-89-02] 23 p3790 N91-31137

PULICANI, J. P.
A Fourier-Chebyshev pseudospectral method for solving steady 3-D Navier-Stokes equations in cylindrical cavities 14 p2265 N91-22533

PULPITEL, ANDREAS
Noise field strength measures in absorber lined chambers
[OEFZS-4542] 07 p1063 N91-15847

PULSIFER, P. E.
Non-Maxwellian electron distribution functions in z-pinch plasmas
[AD-A224702] 03 p0420 N91-12348

PULTZ, SUSAN
Chesapeake Bay Basin Monitoring Program Atlas. Volume 1: Water quality and other physiochemical monitoring programs
[PB90-147935] 01 p0065 N91-10391
Chesapeake Bay Basin Monitoring Program Atlas. Volume 2: Biological and living resource monitoring programs
[PB90-147943] 01 p0065 N91-10392

PUMPHREY, P. H.
APFIM characterization of the spinodal decomposition in duplex stainless steels
[DE91-014256] 20 p3319 N91-28371

PUNJABI, A.
L to H mode transitions and associated phenomena in divertor tokamaks
[DE91-017074] 24 p4105 N91-32940

PUR, RICHARD A.
Guidelines for design, construction, and evaluation of airport pavement drainage
[DOT/FAA/RD-90/31] 18 p2929 N91-26161

PURCELL, R. G.
Snow/rain collector sampler
[PB91-167601] 19 p3204 N91-27709

PURCELL, W. R.
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
SMM observations of interstellar Al-26
[AD-A236222] 19 p3264 N91-28055

PURDOM, J. F. W.
Case study analysis of clustering applied to VAS measurements
[PB91-127829] 13 p2120 N91-21666

PURDY, DAVID F.
A summary of the physical oceanography of the Pacific Northwest Coast
[PB91-164434] 23 p3897 N91-31753

PURI, ASHOK
Photodissociation near a rough metal surface: Effect of reaction fields
[AD-A227030] 06 p0805 N91-14445

PURR, E.
A statistical evaluation of EEE-parts procurement data from telecommunication satellites
24 p4001 N91-32368

PURSLEY, MICHAEL B.
Spread spectrum communication networks
[AD-A233696] 18 p2972 N91-26409

PURTILO, JAMES M.
A software-system visualization tool
[AD-A227145] 06 p0861 N91-14757

PUSATERI, MARY ELLEN
Cosmos 2044
[NASA-CR-187003] 06 p0852 N91-14702

PUSEY, MARC L.
X ray sensitive area detection device
[NASA-CASE-MFS-28232-1] 06 p0874 N91-14835
Drop deployment system for crystal growth apparatus
[NASA-CASE-MFS-28422-1] 09 p1320 N91-17250

PUSHKIN, S. B.
USSR national time unit keeping over long interval using an ensemble of H-masers 17 p2851 N91-25763

PUSHKINA, IRINA G.
The national- and international-wide prospects of future improvements of position location and time synchronization systems and aids
17 p2858 N91-25800

PUSTER, RICHARD L.
Improved method and apparatus for Mach number change in wind tunnel
[NASA-CASE-LAR-13548-1] 20 p3287 N91-28175

PUTNAM, RAND M.
The environment power system analysis tool development program 09 p1405 N91-17734

PUTRA, ICHSAN S.
Crack opening stress measurements of surface cracks in 7075-T6 Al alloy plate specimens through electron fractography
[LR-641] 11 p1724 N91-19492

PUTT, RONALD A.
Zinc air battery development for electric vehicles
[DE90-016639] 02 p0205 N91-11149

PUTTERMAN, S.
Using a microgravity environment to probe wave turbulence 13 p2063 N91-21355

PUTTERMAN, SETH
Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU]
06 p0870 N91-14807

PUXLEY, P. J.
Infrared spectroscopy of the dwarf starburst galaxy Henize 2-10 05 p0757 N91-14213

PUXLEY, PHIL J.
High resolution sub-millimetre mapping of starburst galaxies: Comparison with CO emission
05 p0740 N91-14129
What sort of standard candle is Orion for studying molecular hydrogen line emission in galaxies
05 p0751 N91-14184

PUXLEY, PHILIP JOHN
Vigorous star formation in galactic nuclei
01 p0138 N91-10814

PYGOTT, C. H.
NODEN user's guide and installation manual
[RSRE-MEMO-4438] 15 p2484 N91-23753

PYNE, C. R.
Interaction between the canard and wing flow on a model of a typical combat aircraft 06 p0782 N91-14334

PYNN, R.
The effect of surface roughness on the phase of neutrons specularly reflected at grazing incidence
[DE91-000238] 03 p0416 N91-12327

PYSZCZEK, MICHAEL F.
Feasibility of a super high energy density battery of the Li/Br/F3 electrochemical system
[AD-A225508] 04 p0518 N91-12884

PYTLOWANY, PETER J.
Geographic display of circulation model data
[NOAA-NESDIS-27] 01 p0074 N91-10446

Q

QI, ANMIN
Three dimensional vortex methods for the analysis of wave propagation on vortex filaments
[DE91-011868] 17 p2778 N91-25378

QI, LIQUN
Linear-time separation algorithms for the three-index assignment polytope
[AD-A228854] 08 p1205 N91-16626

QI, ZHANG
Emission mechanism of plasma-induced field-emission cathode
[AD-A233056] 16 p2692 N91-24903

QIAN, G. X.
First principles simulations of metallic alloys and liquids
[DE91-015171] 21 p3483 N91-29323

QIAN, S.
Prediction and control of chaotic processes using nonlinear adaptive networks
[DE90-016505] 01 p0118 N91-10697
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
QIAN, XIAOSHU
The SYNOP experiment: Inverted echo sounder data report for October 1987 to May 1988
[AD-A227232] 06 p0851 N91-14699
QIAN, Y.-T.
Preparation and characterization of Iron(III) oxide films by an novel spray pyrolysis method
[AD-A231047] 13 p2161 N91-21920
QIAN, YIBO
Impact response of carbon/epoxy laminated plates
04 p0535 N91-12968
QIANG, H.
Uniaxial stress study of the quantum transitions in a strained layer (001) In0.2Ga0.8As/GaAs single quantum well
[DE91-014990] 21 p3600 N91-30033
QIAO, C. Y. P.
HAZ liquation cracking behavior in newly developed lean 316 stainless steels
[DE90-009409] 08 p1113 N91-16117
Evaluation of filler metals for high-strength stainless steels
[DE91-009931] 15 p2401 N91-23295
QIAO, WU ZHI
The truth-valued flow inference network
17 p2843 N91-25708
QIAO, YONG
Dense modifiable interconnections utilizing photorefractive volume holograms
[AD-A230164] 12 p1901 N91-20456
QIMING, MA
An iterative method for obtaining the optimum lightning location on a spherical surface
24 p4065 N91-32709
QIN, GUOYI
Dielectric function of semiconductor superlattice
[DE91-617788] 21 p3591 N91-29976
QIU, J.
Direct photon production in polarized pp collisions
[DE91-008728] 22 p3754 N91-30924
QIU, Y. J.
Interaction of cationic polypeptides with electroactive polypyrrole/poly(styrenesulfonate) and poly(N-methylpyrrole)/poly(styrenesulfonate) films
[AD-A234469] 18 p2947 N91-26258
QIU, YONG-JIAN
Electroactive, near infrared absorbing nickel bis(dithiolene) complex polycarbonates and polyurethanes
[AD-A234595] 18 p2962 N91-26350
Electrochemically induced charge and mass transport in polypyrrole/poly(styrene sulfonate) molecular composites
[AD-A234599] 18 p2963 N91-26354
QIU, ZONGAN
Non-critical superstrings from two dimensional N = 1 supergravity
[DE91-005039] 09 p1364 N91-17495
QU, NING
Development and examination of micro GTOs
[ETN-91-98782] 10 p1521 N91-18374
QUACH, V. T.
Crystal surface analysis using matrix textural features classified by a probabilistic neural network
[DE91-014120] 20 p3433 N91-29048
QUACKENBUSH, TODD R.
Free wake analysis of hover performance using a new influence coefficient method
[NASA-CR-4309] 11 p1641 N91-19050
A new methodology for free wake analysis using curved vortex elements
[NASA-CR-3958] 11 p1644 N91-19067
QUADAKKERS, W. J.
The influence of small SO2 contents on the corrosion behavior for NiCrAl alloys in temperature zone from 1000 to 1100 C
[JUEL-2362] 08 p1116 N91-16134
QUALLS, A. L.
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
QUALLS, G. D.
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068
QUALY-WHITE, J.
3-D imagery cockpit display development
[AD-A226411] 04 p0481 N91-12680
QUAN, DU
High-T(sub c) thin-film microelectronics
[DE91-012340] 20 p3425 N91-28997
Photolithographically patterened thin-film multilayer devices of YBa2Cu3O(7-x)
[DE91-012350] 20 p3425 N91-28998
QUANDT, ECKHARD
Parallel measurement of energy filtered contrasts in convergent electron diffraction images
[ETN-91-99442] 22 p3760 N91-30963
QUANTE, C. F.
Joint services electronics program
[AD-A227576] 08 p1134 N91-16237
QUARLES, G.
A room-temperature, flashpumped, 1.96 micron solid state laser
[AD-D014581] 07 p1006 N91-15524
QUARLES, G. J.
A room-temperature, flashpumped, 2.09 micron solid state laser
[AD-D014871] 18 p2989 N91-26506
QUARLES, GREGORY J.
Room-temperature, flashpumped, 2 micron solid state laser with high slope efficiency
[AD-D014770] 12 p1905 N91-20479
QUASHNOCK, JEAN MAURICE
The first three microseconds: Cosmic strings, axions and magnetic fields 03 p0436 N91-12439
QUATE, C. F.
Scanning tunneling microscopy of semiconductor surfaces
[AD-A230064] 12 p1986 N91-20931
Metal-vacuum-metal tunneling
[AD-A230065] 12 p1986 N91-20932
QUEENEY, R. A.
Composite material systems for hydrogen management 20 p3296 N91-28229
QUEGAN, SHAUN
Theoretical studies of large-scale features of the Earth's mid- to high-latitude ionosphere
15 p2462 N91-23641
QUEIJO, M. J.
Advanced-technology space station study: Summary of systems and pacing technologies
[NASA-CR-181795] 03 p0319 N91-11785
QUEIJO, MANUEL J.
Benefits from synergies and advanced technologies for an advanced-technology space station
[NASA-TP-3067] 12 p1852 N91-20177
QUEK, KOK HOW FRANCIS
On three dimensional object recognition and pose-determination: An abstraction based approach
[NASA-CR-186894] 02 p0252 N91-11396
QUERCI, F.
Possible very extended envelopes around red supergiants 09 p1436 N91-17912
QUERCI, M.
Possible very extended envelopes around red supergiants 09 p1436 N91-17912
QUIGLEY, CLAUDIA J.
A computational and experimental investigation of Mode I fracture in an elastomer
[AD-A228958] 09 p1353 N91-17430
QUIGLEY, G. P.
Droplet shattering, vaporization, and recondensation in cloud clearing with long pulse infrared chemical lasers
[DE90-010584] 08 p1152 N91-16343
QUIJADA, M.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
QUIMBY, DAVID C.
Field error lottery
[DE91-001875] 05 p0666 N91-13702
QUIMBY, K.
Evolving impact of Ada on a production software environment 01 p0105 N91-10607
QUINCEY, P. G.
The development of an untuned cavity as a high effective temperature microwave calibration source
[NPL-DES-106] 12 p1902 N91-20462
QUINCY, D. M.
Dobson spectrophotometer, ECC ozonesonde, and ground-based NOAA SBUV-2, S/N satellite instrument comparison ozone observations
[PB91-142299] 14 p2268 N91-22549
QUINN, GEORGE D.
Mechanical behavior of a SiC-fiber/Si3N4 composite
[AD-A228371] 08 p1106 N91-16073
A proposed standard practice for fractographic analysis of monolithic advanced ceramics
[AD-A231989] 14 p2250 N91-22447
QUINN, J. W.
Crew chief CAD system interface guide (version 2 - SI)
[AD-A231433] 14 p2305 N91-22734
QUINN, JANET
Ultrasonic evaluation of silicon nitride green bodies
[AD-A237924] 21 p3530 N91-29608
QUINN, K. G.
Tradeable permits for global warming control: Implications for regional economies and public utilities
[DE91-010822] 17 p2807 N91-25520
QUINN, P.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
QUINN, PETER J.
The shape of the invisible halo: N-body simulations on parallel supercomputers
[DE91-004846] 09 p1388 N91-17636
QUINN, R. D.
The observational approach in environmental restoration
[DE91-015528] 21 p3540 N91-29666
A review of accelerated response actions available to the environmental restoration program: Selected case histories and associated issues
[DE91-013608] 23 p3891 N91-31716
QUINN, TODD M.
Autonomous power expert system advanced development 12 p1943 N91-20689
Autonomous power system intelligent diagnosis and control 14 p2314 N91-22781
An autonomous fault detection, isolation, and recovery system for a 20-kHz electric power distribution test bed
[NASA-TM-104344] 17 p2837 N91-25680
QUINTANA, H.
Dynamics of groups around interacting double ellipticals: Measuring dark matter haloes 08 p1245 N91-16863
QUINTANA, J.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461
QUINTANA, M. A.
The Concept-90 photovoltaic concentrator module
[DE91-010852] 17 p2805 N91-25509
QUINTENZ, J. P.
A method for computing fields near the origin of a cylindrical coordinate system in time domain finite-difference electromagnetic simulations
[DE91-015431] 21 p3501 N91-29433
QUINTEZ, J. P.
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
QUIOCHO, LESLIE J.
Resolved rate and torque control schemes for large scale space based kinematically redundant manipulators
12 p1934 N91-20642
QUIRION, F.
A study of electrolytes for lithium batteries
[INRS-NRG-326-RF] 22 p3669 N91-30428
QUIRK, J. J.
Numerical computation of two-dimensional unsteady detonation waves in high energy solids
[CRANFIELD-AERO-9013] 12 p1899 N91-20443
QUIST, WILLIAM E.
The microstructure and properties of aluminum-lithium alloys 03 p0340 N91-11907
QUONIAM, CYNTHIA
Body proprioceptive references in weightlessness as studied by muscle tendon vibration
11 p1742 N91-19581
QURESHI, S.
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
Hydrogenated amorphous silicon radiation detectors: Material parameters, radiation hardness, charge collection
[DE91-009082] 12 p1920 N91-20562
QUYNN, RICHARD G.
Optical transmission properties of selected shelter materials
[AD-A225072] 03 p0418 N91-12338

R

RA, JUNJU
Spectroscopic studies of graphite erosion in hydrogen and oxygen plasmas 22 p3643 N91-30277
RAASCH, W.
Multi-axis vibration simulation in space structures: Experiments with DFS/STM 07 p0955 N91-15253
RAAYMAKERS, CONNIE L.
The PC Dugout micro-mainframe integration system: PAX implementation
[AD-A237480] 21 p3556 N91-29758

RABADI, ELSALEM
Surface layer transfer processes over vegetation: A micrometeorological field experiment of long duration
15 p2466 N91-23664

RABADI, RAJA EL-SALEM
Estimating integrated cloud liquid water from extended time observations of solar irradiance
01 p0086 N91-10510

RABANI, YUVAL
On the space complexity of some algorithms for sequence comparison
[ITN-91-85074] 07 p1050 N91-15765

RABAS, T.
Energy-efficiency comparison of advanced ammonia heat-exchanger types
[DE91-006470] 10 p1541 N91-18480
Design and cost of near-term OTEC (Ocean Thermal Energy Conversion) plants for the production of desalinated water and electric power
[DE91-006406] 11 p1727 N91-19508
Heat-rate improvements obtained with the use of enhanced tubes in surface condensers
[DE91-006565] 13 p2078 N91-21449
Prediction of the pressure drop in transverse, repeated-rib tubes with numerical modeling
[DE91-014465] 21 p3512 N91-29503

RABAS, T. J.
Pressure drop and heat transfer for spirally fluted tubes including validation of the role of transition
[DE91-012242] 20 p3342 N91-28509
Open-cycle ocean thermal energy conversion surface-condenser design analysis and computer program
[DE91-015973] 23 p3890 N91-31709

RABERN, D. A.
Stress fields generated by kinetic energy projectile interaction with ceramic targets
[DE91-013687] 20 p3362 N91-28625

RABIE, R.
Equation of state and crushing dynamics of low-density silica aerogels
[DE91-014766] 20 p3364 N91-28637

RABIER, PATRICK J.
A geometric treatment of implicit differential-algebraic equations
[AD-A236991] 19 p3237 N91-27900

RABIN, B. H.
Dynamic consolidation of aluminum-silicon carbide composites
[DE91-001929] 06 p0802 N91-14427
A review of silicon carbide/metal interactions with relevance to silicon carbide joining
[DE91-012768] 20 p3303 N91-28282

RABINOWITZ, D.
Discovery and orbital characterization of near-Earth asteroids 17 p2904 N91-26039

RABINOWITZ, M. B.
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859

RABINOWITZ, P. H.
Some problems in nonlinear analysis
[AD-A236246] 19 p3236 N91-27893

RABINOWITZ, PAUL H.
Some problems in nonlinear analysis
[AD-A232701] 15 p2495 N91-23820

RABITZ, ARNOLDO
UV aurora mapping in corrected geomagnetic coordinates
[ITN-91-85106] 18 p3012 N91-26636

RABITZ, H. R.
Boron combustion model development with kinetic sensitivity analysis and measurement of key chemical rate parameters
[AD-A235309] 18 p2951 N91-26283

RABITZ, HERSCHEL
Molecular dynamics simulator for optimal control of molecular motion
[AD-A232801] 15 p2505 N91-23881

RACANELLI, M.
In situ TEM studies of the growth of strained Si(1-x)Ge(x) by solid phase epitaxy
[DE91-007278] 11 p1807 N91-19926

RACHMAN, S.
Psychological analyses of courageous performance in military personnel
[AD-A231774] 14 p2299 N91-22708

RACHNER, M.
Aerodynamics and stabilization of combustion of hydrogen jets injected into subsonic airflow
15 p2378 N91-23164

RADACK, D. J.
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484

RADECKE, HANS-DIETER
Electrodynamic arrow of time and cosmology
[ETN-90-98188] 04 p0609 N91-13388

RADEKA, V.
Radiation damage testing of transistors for SSC front-end electronics
[DE91-005440] 09 p1328 N91-17294
A study of electro-optical modulators for transfer of detector signals by optical fibers
[DE91-006349] 09 p1399 N91-17701
Radiation damage studies on hybrid preamplifiers
[DE91-008411] 11 p1699 N91-19359
Monolithic radiation hard charge sensitive preamplifier using junction field effect transistors
[DE91-008437] 11 p1699 N91-19360
Performance characteristics of Mach-Zehnder modulators for transfer of detector signals by optical fibers
[DE91-008439] 13 p2154 N91-21873

RADEMACHER, KURT R.
Review of geography internship of convective wave project
[NASA-CR-187022] 05 p0687 N91-13819
Interannual variation of seasonal means and subseasonal variability of cloud streets off the east coast of North America 1984-1987
[NASA-CR-187021] 05 p0689 N91-13831

RADER, D. J.
Aerosol Dynamics Laboratory
[DE90-010275] 08 p1098 N91-16027
Considerations relating to pulsed-beam modification of materials
[DE91-006771] 11 p1807 N91-19922

RADESCU, E. E.
Dynamic toroid polarizability of atomic hydrogen
[DE91-617732] 16 p2684 N91-24859

RADFORD, DAVID
Bialgebra deformations and algebras of trees
20 p3391 N91-28790

RADFORD, SIMON J. E.
CO excitation in four IR luminous galaxies
05 p0762 N91-14234

RADHAKRISHNAN, RAMALINGAM
Design of a lunar oxygen production plant
18 p3096 N91-27109

RADICATI, BRUNO
Remote sensing of the sea at IROE/CNR
15 p2455 N91-23604

RADICATIDIBROZOLO, GUISEPPE
The IBM RISC System/6000 and linear algebra operations
[DE91-009221] 13 p2144 N91-21805

RADKE, KATHLEEN M.
A new active virtual pivot six-degree-of-freedom hand controller for aerospace applications
16 p2642 N91-24625

RADKE, L. F.
Measurements of the light-absorbing material inside cloud droplets and its effect on cloud albedo
01 p0091 N91-10528

RADKE, LAWRENCE F.
In situ measurements of ship tracks
01 p0086 N91-10507
Cloud absorption properties as derived from airborne measurements of scattered radiation within clouds
01 p0087 N91-10512

RADKE, R.
Total dose effects in MOS systems: Influence of the initial hydrogen distribution 24 p3997 N91-32338

RADLINSKI, RONALD P.
Comparisons of backscattering from cylindrical shells described by thin shell and elasticity theories
[AD-A234745] 18 p2984 N91-26475

RADOSTITZ, J. V.
Tunable far infrared studies of molecular parameters in support of stratospheric measurements
[NASA-CR-188774] 23 p3893 N91-31723

RADOUSKY, H. B.
Positron lifetime studies of defect structures in Ba(1-x)K(x)BiO3
[DE91-007341] 11 p1806 N91-19919

RADZIMSKI, Z. J.
EBIC (Electron Beam Induced Current) contrast of clean, decorated and deuterium passivated Si(Ge) epitaxial misfit dislocations
[DE91-006967] 13 p2160 N91-21912

RADZISZEWSKI, E.
A KO2 rebreather for EVA denitrogenation procedure
15 p2452 N91-23588

RAEDER, JOACHIM
A two dimensional multisonic model of plasma interaction for cometary atmosphere with solar wind
[MITT-69] 02 p0289 N91-11621

RAEISAENEN, A. V.
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011894] 18 p3071 N91-26973
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011826] 18 p3075 N91-26991

RAFANELLI, PIERO
The complex nature of the Seyfert galaxy NGC 7592
08 p1250 N91-16882
The double nucleus galaxies Mkn 423 and Mkn 739
08 p1252 N91-16891

RAFFERTY, K.
Direct use R/D assistance
[DE91-009976] 15 p2526 N91-23999

RAFFERTY, PATRICK
The design of a distributed image processing and dissemination system
[DE91-001835] 05 p0702 N91-13909

RAFFETO, G. L.
Inlet edge funnel of a civil aircraft gondola engine
[ETN-91-99775] 23 p3789 N91-31130

RAFFIN, M.
Experimental techniques in the field of low density aerodynamics
[AGARD-AG-318(E)] 18 p2923 N91-26124

RAGHAVAN, MALA
Strategies for mimicking the primary events of bacterial photosynthesis: Structure, function, and mechanism
[DE91-004449] 07 p1033 N91-15667

RAHAMAN, M. N.
Pressureless densification of ceramic matrix composites
[AD-A235031] 18 p2964 N91-26362

RAHAMIM, YOCHEVED
Ruthenium complexes in homogeneous catalysis-reduction processes
[ITN-91-85070] 07 p0976 N91-15358

RAHBARRAD, MAHYAR
Flight evaluation of several ground deicing/anti-icing fluids on general aviation aircraft
[DOT/FAA/CT-TN90/31] 09 p1274 N91-17005

RAHE, J.
From C/Mrkos to P/Halley: 30 years of cometary spectroscopy 17 p2891 N91-25984

RAHE, JURGEN
Workshop on Observations of Recent Comets (1990)
[NASA-CR-188960] 12 p2001 N91-21012

RAHIER, G.
Vortex-blade interaction on a helicopter principal rotor. Validation of the S2DI computation program and study of vortex models
[ONERA-RT-92/5094-PY] 23 p3790 N91-31136

RAHIMZADEH, E.
Structures of cyano-biphenyl liquid crystals
19 p3270 N91-28091

RAHKA, KLAUS
Material degradation of steam turbine rotors in long term operations
[VTT-RR-692] 05 p0637 N91-13530
Fabrication and properties of powder metallurgically manufactured aluminum products and composites
[VTT-RR-699] 05 p0637 N91-13531

RAHMAN, A. K.
Optical and electro-optical properties of a photocross-linkable polymer
[AD-A235903] 19 p3140 N91-27350

RAHMAN, Z. H.
Novel dynamics and controls analysis methods for nonlinear structural systems
[AD-A229164] 09 p1285 N91-17064

RAHMAN, ZAHIDUL H.
Analytical and experimental research on large angle maneuvers of flexible structures
[AD-A226679] 05 p0628 N91-13479

RAHMANN, HINRICH
Effect of hyper-gravity on the swimming behavior of aquatic vertebrates 11 p1750 N91-19626
Morphological, electronmicroscopical and biochemical aspects of hyper-gravity conditions during early ontogenetic development of Cichlid fish
11 p1752 N91-19638

RAI, MAN MOHAN
Prediction of turbine rotor-stator interaction using Navier-Stokes methods 02 p0151 N91-10881

RAIBERT, MARC H.
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949

RAIKAR, G. N.
Chemical analysis of metal and polymer surfaces on the front and rear LDEF 16 p2714 N91-25023
Interactions of atomic oxygen with material surfaces in low Earth orbit: Preliminary results from experiment A0114 16 p2714 N91-25025

RAINER, F.
Damage resistant optics for a mega-joule solid-state laser
[DE91-006246] 09 p1343 N91-17376
Laser conditioning and electronic defect measurements of HfO2 and SiO2 thin films
[DE91-006237] 09 p1415 N91-17788
High threshold HR (Highly Reflective) coatings at 1064 nm
[DE91-006236] 10 p1528 N91-18415

RAINER, J.
Neurological findings after 72 hours water immersion
11 p1745 N91-19597

RAINEY, SAMUEL C.
Proposed draft military handbook presenting requirements for an Electronic Display System (EDS) for Interactive Electronic Technical Manuals (IETMs)
[AD-A227471] 11 p1696 N91-19342

RAINEY, V. S.
Chemical phase separation in binary iron-chromium alloys
[DE91-010282] 18 p2953 N91-26294

RAINISH, DORON
Wideband adaptive HF modem
[ITN-91-85147] 20 p3335 N91-28471

RAIS, JACUB
Report of the panel on international programs
13 p2107 N91-21599

RAISTRICK, I.
X ray absorption fine structure of systems in the anharmonic limit
[DE91-016070] 24 p4097 N91-32892

RAISTRICK, I. D.
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907

RAITT, W. J.
CHARGE-2B electron gun system
[AD-A231514] 14 p2207 N91-22186

RAITT, W. JOHN
SPEAR-1: An experiment to measure current collection in the ionosphere by high voltage biased conductors
09 p1403 N91-17725
Effects of neutral gas release on current collection during the CHARGE-2 rocket experiment
09 p1405 N91-17730

RAIZEN, M. G.
Trapped-ion frequency standards
17 p2851 N91-25760

RAIZONVILLE, P.
Geoid and Doppler induced errors on the altimeter measurement and their correction
[CNES-CT/DRT/TIT/RL-88/226]
01 p0063 N91-10380

RAJ, R.
The effect of microstructure on the thermal conductivity of ZnS/diamond composites
[AD-A231349] 13 p2163 N91-21928

RAJ, RISHI
Modeling the dissipation rate in rotating turbulent flows
[NASA-CR-187485] 08 p1146 N91-16306
Bonding at metal-ceramic interfaces in hybrid materials
[AD-A231883] 14 p2240 N91-22390
Workshop on High Temperature Metal-Ceramic Composites
[AD-A231945] 14 p2240 N91-22394

RAJ, RISHI S.
Simulation of rotation effect in turbulence dissipation rate equation 04 p0599 N91-13337

RAJ, SAI V.
Creep and fracture of dispersion-strengthened materials
[NASA-CR-185299] 19 p3117 N91-27224

RAJAGOPAL, K. R.
On the viscosity of a mixture of particulate solids and a fluid continuum
[DE91-000940] 04 p0523 N91-12912
A review of interaction mechanisms in fluid-solid flows
[DE91-000941] 05 p0659 N91-13660
Probabilistic design analysis using Composite Loads Spectra (CLS) coupled with Probabilistic Structural Analysis Methodologies (PSAM)
16 p2586 N91-24331
Steady flow of a fluid-solid mixture between parallel plates
[DE91-013114] 21 p3510 N91-29491

RAJAGOPALAN, S.
Issues in developing parallel iterative algorithms for solving partial differential equations on a (transputer-based) distributed parallel computing system
[DE91-622927] 17 p2837 N91-25681

RAJAKARUNANAYAKE, YASANTHA
Intersubband absorption in Si(1-x)Ge(x/Si superlattices for long wavelength infrared detectors
06 p0796 N91-14399

RAJAMURTHY, M. S.
Dynamic wind tunnel testing of a flexible wing model
[NAL-PD-FC-9010] 10 p1473 N91-18119

RAJAN, PERIASAMY K.
Design of optimal correlation filters for hybrid vision systems 18 p3096 N91-27110

RAJAN, S. D.
Exponential approximations in optimal design
01 p0052 N91-10311

RAJENDRAN, A. M.
A dynamic failure model for ductile materials
[AD-A233600] 16 p2601 N91-24414

RAJESHWAR, KRISHNAN
Electronic and ionic transport in processable conducting polymers
[AD-A227857] 08 p1120 N91-16154
Electronic and ionic transport in processable conducting polymers
[AD-A231293] 13 p2057 N91-21321
Electronic and ionic transport in processable conducting polymers
[AD-A234597] 18 p2963 N91-26352
Electronic and ionic transport in processable conducting polymers
[AD-A238175] 21 p3489 N91-29362

RAJGOPAL, J.
Exponential approximations in optimal design
01 p0052 N91-10311

RAJU, I. S.
An equivalent domain integral method for three-dimensional mixed-mode fracture problems
[NASA-CR-182021] 23 p3887 N91-31692

RAK, STANTON F.
Mixed valence in conjugated anion radicals. Solution and solid state studies
[AD-A236428] 19 p3255 N91-28006

RAKEL, D. A.
Measurement control for calorimetric assay
[DE91-009445] 15 p2397 N91-23274

RAKHMAN-ZADE, YA. Z.
Method of obtaining phenol-furfural resins
[AD-A233746] 18 p2959 N91-26327

RAKHMANOV, A. S.
Ultrasonic assessment of human tibia during 370-day antiorthostatic hypokinesia 10 p1562 N91-18591
Assessment of bone turnover in humans after space flight and hypokinesia 11 p1747 N91-19608
Computer tomography measurement of vertebral bones and muscles after extended manned space flights
18 p3023 N91-26690
Mineral density of bones of human skeleton in simulated reduced gravity 19 p3208 N91-27730

RAKOCZY, J.
A simulation of the instrument pointing system for the Astro-1 mission
[NASA-TM-103547] 21 p3605 N91-30061

RALL, D. L.
Photometric-photogrammetric analysis of video images of a venting of water from Space Shuttle Discovery
[AD-A233452] 16 p2565 N91-24219

RALL, D. L. A.
Photometric analysis of a space shuttle water venting
12 p1950 N91-20726

RALLS, JOHN A.
Technique for measuring ionospheric irregularities generated by high power oblique HF heating of the F-region
[AD-A233883] 18 p3011 N91-26627

RALPH, E.
Progress toward the development of dual junction GaAs/Ge solar cells 11 p1666 N91-19184

RALSTON, S.
Nearshore physical oceanography off the Central California coast during May-June, 1989: A summary of CTD data from juvenile rockfish surveys
[PB91-191817] 22 p3712 N91-30660

RALYA, THOMAS
An analysis of input/output paradigms for real-time systems
[AD-A226724] 06 p0860 N91-14748

RAM, EHUD
The magnetic field over the Dead Sea-Lisan area
[ITN-91-85098] 14 p2279 N91-22607

RAMACHANDRAN, NATARAJAN
Knowledge-based aids for mechanical design
07 p1041 N91-15713

RAMACHANDRAN, R. S.
Unipunch capability study
[DE91-008825] 15 p2436 N91-23498

RAMAKER, DAVID E.
Evidence for vertical C2 on Ni as a precursor for graphite nucleation
[AD-A231672] 14 p2249 N91-22439
CEELS as a probe of the carbide to graphite transformation on Ni
[AD-A231675] 14 p2249 N91-22440
The past, present, and future of Auger lineshape analysis
[AD-A231676] 14 p2323 N91-22832
Quantitative interpretation of auger lineshapes and electron/photon stimulated desorption
[AD-A237138] 21 p3574 N91-29874

RAMAMOORTHY, P.
Performance of an airfoil at low Reynolds number
[NAL-PD-CF-9102] 21 p3452 N91-29145
AEROWING - The software for aerodynamic analysis of a large aspect-ratio finite wing at low speeds
[NAL-PD-CF-9101] 21 p3452 N91-29146

RAMAN, GANESH
Naturally occurring and forced azimuthal modes in a turbulent jet
[NASA-TM-103692] 09 p1273 N91-17000
Control of an axisymmetric turbulent jet by multi-modal excitation
[NASA-TM-104483] 18 p2922 N91-26121
An experimental study of natural and forced modes in an axisymmetric jet
[NASA-TM-105225] 24 p3949 N91-32074

RAMAN, NARAYAN
Intelligent scheduling with machine learning capabilities: The induction of scheduling knowledge
[AD-A232943] 16 p2675 N91-24804

RAMANATHAN, M.
X ray dichroism and Faraday effect studies in ordered and disordered Fe3Pt
[DE91-017305] 24 p4111 N91-32974
A simple sagittal focusing crystal which utilizes a bimetallic strip
[DE91-017324] 24 p4111 N91-32975

RAMANUJACHARY, K. V.
Synthesis, transport, and microstructural properties of Nd(1.85)Ce(0.15)CuO(4-delta)
[AD-A225049] 03 p0359 N91-12011
Magnetic properties of the electron-doped superconductor Nd(2-x)Ce(x)CuO(4-delta)
[AD-A225050] 03 p0423 N91-12365
Chemistry and superconductivity in thallium-based cuprates
[AD-A225051] 03 p0423 N91-12366

RAMASESHA, SHEELA K.
Measurement under pressure of thermoelectric power along the thickness of a thin specimen
[NAL-PD-MT-9012] 10 p1520 N91-18372

RAMASWAMY, SRICHANDER
Fault-tolerant control of continuous-time systems
17 p2842 N91-25703

RAMATY, R.
The Li-7 and Be-7 deexcitation lines: Probes for accelerated particle transport models in solar flares
[NASA-CR-183490] 23 p3940 N91-32020

RAMESH, K. S.
Application of ceramics to industrial gas turbines
[DE91-013140] 21 p3484 N91-29330

RAMETTE, PHILIPPE
Comparative study of different systems of combined cycle propulsion 15 p2376 N91-23152

RAMEY, D. W.
Radioluminescent (RL) lighting system development program
[DE91-009743] 15 p2416 N91-23381

RAMEY, MADISON
Large space manipulators study
[AD-A227276] 08 p1158 N91-16381

RAMIREZ, E.
Microgravity, hypergravity, and aging: A unifying hypothesis 11 p1752 N91-19633

RAMIREZ, EDGAR J.
A water tunnel flow visualization study of the vortex flow structures on the F/A-18 aircraft
[NASA-CR-186938] 19 p3100 N91-27126

RAMIREZ, J. J.
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919

RAMIREZ, JEAN-CLAUDE
Simulation of transient glide of a threading dislocation in an embedded strained expitaxial layer
[AD-A226965] 06 p0881 N91-14867

RAMMAGE, ROBERT L.
Cable tester
[AD-D014904] 21 p3502 N91-29438

RAMNATH, RUDRAPATNA V.
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 1: Real-time flight experiment support
[NASA-CR-179449] 16 p2559 N91-24193
RAMNATH, V.
Composite specimen design analysis. Volume 1: Analytical studies
[AD-A235990] 19 p3119 N91-27233
RAMOHALLI, K.
Interdependent figure-of-merit software development
17 p2749 N91-25214
A figure-of-merit approach to extraterrestrial resource utilization 17 p2754 N91-25244
RAMOHALLI, KUMAR
Composite Solid Propellant Predictability and Quality Assurance
[NASA-CR-186404] 08 p1121 N91-16163
Introduction to the problem 08 p1122 N91-16164
The University of Arizona program in solid propellants
08 p1122 N91-16165
NASA Space Engineering Research Center for Utilization of Local Planetary Resources
[NASA-CR-188222] 16 p2593 N91-24365
Oxygen plant breadboard design, and techniques for improving mission figure-of-merit
16 p2594 N91-24374
Development of a figure-of-merit for space missions
16 p2596 N91-24387
NASA Space Engineering Research Center for Utilization of Local Planetary Resources
[NASA-CR-188221] 17 p2748 N91-25203
Proof-of-concept automation of propellant processing
17 p2748 N91-25204
Unconventional propellant performance
17 p2749 N91-25212
NASA Space Engineering Research Center for utilization of local planetary resources
[NASA-CR-188220] 17 p2751 N91-25223
Autonomous production of propellants
17 p2751 N91-25226
Options for Martian propellant production
17 p2911 N91-26069
Oxygen production on Mars: A figure-of-merit approach 17 p2912 N91-26079
Experimental data from an oxygen plant for Mars
17 p2913 N91-26082
RAMON, L. V.
EVA/robotics integration for Space Station Freedom
15 p2451 N91-23583
RAMOS, J. I.
Experimental and theoretical studies of vertical annular liquid jets
[DE91-008042] 13 p2080 N91-21461
RAMOSTEIXEIRA, MARIO MARCIO
A tool for help in software reutilization
[INPE-5077-TDL/341] 02 p0255 N91-11418
RAMPAZZO, ROBERTO
Geometrical parameters of E+S pairs
08 p1246 N91-16865
RAMPINO, MICHAEL R.
Historical evidence for a connection between volcanic eruptions and climate change 13 p2115 N91-21642
Climatic impact of volcanic eruptions
13 p2115 N91-21643
RAMSAY, J. B.
Shock response of Detasheet
[DE91-010923] 18 p2970 N91-26399
Shock compression of DuPont detasheet at low stress
[DE91-013229] 20 p3330 N91-28443
The deflagration-to-detonation transition in granular HMX
[DE91-014591] 20 p3331 N91-28448
RAMSAY, JOHN B.
All hot spots are not equal
[DE91-002303] 05 p0644 N91-13573
RAMSAY, TOM
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
RAMSBOTHAM, A. J.
Technology transfer in a changing national security environment
[AD-A232458] 15 p2526 N91-24000
RAMSEY, CONNIE L.
BaRT manual version 3.0
[AD-A234528] 18 p3040 N91-26784
RAMSEY, J. M.
Resonance ionization spectroscopy and its applications
[DE91-001150] 04 p0502 N91-12789
Progress in the detection of single molecules in levitated droplets
[DE91-000612] 05 p0635 N91-13517
Ultrasensitive molecular fluorescence spectroscopy in levitated microdroplets
[DE91-000621] 08 p1110 N91-16095
Chemical characterization of microparticles by laser ablation in an ion trap mass spectrometer
[DE91-012513] 20 p3308 N91-28309
Fundamental studies of chemical vapor deposition diamond growth processes
[DE91-015324] 21 p3491 N91-29374
RAMSEY, JOHN K.
Post clamp
[NASA-CASE-LEW-14862-1] 06 p0835 N91-14617
Optical measurement of propeller blade deflections in a spin facility
[NASA-TM-103115] 09 p1274 N91-17002
RAMSEY, NORMAN F.
Keynote address: The past, present, and future of atomic time 17 p2850 N91-25756
RAMSEY, P.
Magnetron sputter deposition of boron and boron carbide
[DE91-011194] 18 p2944 N91-26241
RAMSEY, W. Y.
Evaluation of the GOES 1-M normalization technique with the visible images of GOES-7
[AD-A227462] 08 p1103 N91-16055
RAMSTHALER, J. H.
A preliminary stage configuration for a Low Pressure Nuclear Thermal Rocket (LPNTR)
[DE91-006110] 10 p1491 N91-18210
RAMSTHALER, JACK H.
Pressure fed nuclear thermal rockets for space missions
[DE91-001847] 07 p0965 N91-15302
RAMULU, MAMIDALA
Damage accumulation in advanced metal matrix composites under thermal cycling
[AD-A235002] 18 p2942 N91-26227
RANAWEERA, M. P.
Materials with periodic internal structure: Computation based on homogenization and comparison with experiment
[NASA-CR-185303] 03 p0379 N91-12117
RAND, J. A.
Direct glass bonded high specific power silicon solar cells for space applications 22 p3634 N91-30221
RAND, R. J.
The interstellar halo of spiral galaxies: NGC 891
05 p0747 N91-14164
RAND, RICHARD J.
M51: Molecular spiral arms, GMAs and superclouds
05 p0755 N91-14204
RAND, RICHARD JOHN
The relationship between the density wave, molecular gas and star formation in M51 21 p3606 N91-30064
RANDALL, CYNTHIA N.
Impact on women: A retrospective look at impact acceleration testing at the Harry G. Armstrong Aerospace Medical Research Laboratory 02 p0247 N91-11378
RANDALL, DAVID A.
The effects of cloud radiative forcing on an ocean-covered planet 01 p0076 N91-10456
Fractional cloudiness in shallow cumulus layers
01 p0084 N91-10498
Theoretical and modeling studies of the marine planetary boundary layer
[AD-A233185] 16 p2658 N91-24704
RANDALL, J. N.
Quantum device development
[AD-A225813] 04 p0587 N91-13280
Few-electron lateral resonant tunneling semiconductor devices
[AD-A236901] 19 p3255 N91-28012
RANDALL, K. L.
Magnetic substates populated by double electron capture in slow ion atom collisions
[DE91-010122] 15 p2502 N91-23858
RANDAZZO, ALANNA
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) plan
[DOT/FAA/CT-TN90/9] 07 p1030 N91-15651
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) evaluation report
[DOT/FAA/CT-TN90/51] 12 p1924 N91-20587
Runway Visual Range (RVR) Operational Test and Evaluation (OT and E)/integration test plan
[DOT/FAA/CT-TN91/4] 20 p3287 N91-28176
RANDAZZO, PHILIP
Comparison of 14 decibels versus 20 decibels desired to undesired signal protection ratios
[DOT/FAA/CT-TN89/69] 13 p2148 N91-21833
RANDEL, DAVID L.
Earth radiation budget variability and the relationship to changes in the general circulation
22 p3705 N91-30622
RANDELL, G. P.
Translating data flow diagrams into Z (and vice versa)
[RSRE-90019] 12 p1999 N91-21003
RANDISI, S.
The requirements on data systems of Columbus logistics and engineering support 14 p2219 N91-22264
RANDLES, M. H.
Contract crystal growth and fabrication services
[AD-A225381] 03 p0425 N91-12378
Contract crystal growth and fabrication services
[AD-A232120] 15 p2517 N91-23952
RANDLES, P. W.
Modelling the response of thick composite materials due to axisymmetric shock loading
[AD-A239531] 23 p3808 N91-31243
RANDO, BERNARD A.
Communication system test for image transmission
[DE91-001890] 05 p0716 N91-13994
RANDOLPH, HENRY
Environmental test program for superconducting materials and devices
[NASA-CR-188654] 19 p3250 N91-27981
RANDTKE, STEPHEN J.
Annular denuder systems: Precision and applicability to stratospheric sampling 24 p4033 N91-32532
RANEY, JOHN P.
Space Station Freedom: Dynamic instrumentation for a large space structure
[NASA-TM-102711] 09 p1353 N91-17432
RANFONE, S.
The effect of a neutrino magnetic moment on nuclear excitation processes
[RAL-91-010] 24 p4095 N91-32876
RANGANATH, HEGGERE S.
A graph theoretic approach to scene matching
[NASA-CR-187817] 23 p3927 N91-31947
RANGARAJAN, G.
Phase stability of a standing-wave free-electron laser
[DE91-008068] 11 p1712 N91-19427
Invariant metrics for Hamiltonian systems
[DE91-014236] 20 p3393 N91-28807
RANGASWAMY, PARTHA
Effect of grinding on the fatigue life of titanium alloy (5 Al-2.5 Sn) under dry and wet conditions
19 p3276 N91-28121
RANK, D.
Airborne observations of the infrared emission bands
06 p0890 N91-14919
RANKIN, CHARLES
The computational structural mechanics testbed structural-element processor ES5: STAGS shell element
[NASA-CR-4358] 14 p2277 N91-22596
RANKIN, THOMAS V.
The environment workbench: A design tool for Space Station Freedom 12 p1950 N91-20727
RANNEY, JACK W.
Greenhouse gas emissions in Sub-Saharan Africa
[DE91-005629] 09 p1361 N91-17482
RANSFORD, GARY A.
Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-1] 15 p2522 N91-23976
RANSICK, MARK H.
PC-based digital imaging for storing microscopy images for surveillance programs
[DE90-010080] 08 p1223 N91-16738
RANSOM, V. H.
Particle-fluid two-phase flow modeling
[DE91-010102] 15 p2422 N91-23415
RANSON, K. J.
Effects of soil and canopy characteristics on microwave backscattering of vegetation
[NASA-CR-188022] 11 p1725 N91-19497
RANSON, K. JON
Advanced Solid-State Array Spectrometer (ASAS) data sets from the 1990 field season: A unique look at two forested ecosystems 17 p2800 N91-25488
The 1990 forest ecosystem dynamics multisensor aircraft campaign 17 p2800 N91-25490
RANTALA, TAPIO T.
Linear and nonlinear optical properties of small silicon clusters
[AD-A225495] 04 p0518 N91-12882
Comment on effect on surface reconstruction on stability and reactivity of Si clusters
[AD-A235517] 19 p3123 N91-27252
Optical (hyper) polarizabilities of small silicon clusters
[AD-A229383] 22 p3754 N91-30926
RAO, A. J.
Variable camber wings for transport aircraft
14 p2193 N91-22112
RAO, A. S.
Effect of additives on the morphology and superconductivity of YBa2Cu3O(6+x) ceramic superconductors
[AD-A224734] 03 p0422 N91-12359
Method of producing YBa2Cu3O+x superconductors with high transition temperatures
[AD-D014836] 16 p2695 N91-24922

RAO, DANTAM K.
Reduction in bearing size due to superconductors in magnetic bearings 13 p2038 N91-21211
RAO, G. R.
Dual ion implantation effects on fatigue properties of Fe-13Cr-15Ni alloys
[DE91-015930] 23 p3816 N91-31286
RAO, G. V. R.
Use of secondary flows for rapid mixing in scramjet combustors 15 p2379 N91-23167
RAO, K. T.
Micromechanisms of monotonic and cyclic subcritical crack growth in advanced high melting point low-ductility intermetallics
[AD-A238151] 21 p3482 N91-29317
RAO, KONDAPALLI RAMA
OD system for the first Brazilian satellite-software testing, analysis, and assessment
[INPE-5158-PRE/1637] 13 p2031 N91-21169
RAO, KUDITIPUDI V.
Simulation of powered-lift flows
02 p0152 N91-10886
RAO, M.
Erosion studies on a Fe3Al-based iron aluminide and 1100 Al
[DE91-012529] 20 p3317 N91-28360
Material behavior during solid particle erosion of annealed 1100 aluminum
[DE90-012593] 22 p3649 N91-30310
RAO, MADHAV
Laser deposition of cubic boron nitride on electronic materials
[AD-A238313] 23 p3809 N91-31249
RAO, S. S.
Applications of fuzzy theories to multi-objective system optimization
[NASA-CR-177573] 08 p1095 N91-16012
RAO, S. T.
Sensitivity analysis of a nested ozone air quality model
[PB91-191221] 22 p3703 N91-30608
RAO, SISTLA M.
Growth and characterization of crystals for IR detectors and second harmonic gereration devices
19 p3268 N91-28078
RAO, T. V. GOVINDA
Calibration set up for load cells
[PD-ST-8917] 05 p0661 N91-13673
RAO, V. K.
The influence of fuel characteristics on heterogeneous flame propagation 23 p3795 N91-31165
RAOL, J. R.
Parameter estimation via nonlinear differential correction least square method
[NAL-PD-FC-9110] 21 p3565 N91-29814
RAPAPORT, J.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
RAPHAEL, MARILYN NOREEN
Atmospheric circulation and poleward sensible heat flux variations associated with the recent Northern Hemisphere warming 15 p2459 N91-23629
RAPOPORT, I. D.
Experimental data on study of cosmic ray particles in the E greater than or equal to 2 TeV energy range at the Cosmos-1713 satellite with the Sokol-2 device
[DE91-615479] 11 p1823 N91-20020
RAPP, DOUGLAS
Design issues for propulsion systems using metallized propellants
[NASA-TM-105190] 21 p3466 N91-29220
RAPP, DOUGLAS C.
Flow visualization of a rocket injector spray using gelled propellant simulants
[NASA-CR-187142] 16 p2581 N91-24306
RAPP, HELMUT
New computer codes for the structural analysis of composite helicopter structures
[MBB-UD-0580-90-PUB] 11 p1649 N91-19089
Non-homogeneous bars under tension, pure bending, and temperature loads
[MBB-UD-0572-90-PUB] 11 p1723 N91-19485
RAPP, RICHARD H.
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
Consideration of permanent tidal deformation in the orbit determination and data analysis for the Topex/Poseidon mission
[NASA-TM-100775] 22 p3705 N91-30619
RAPPAPORT, E. N.
Diagnostic report of the National Hurricane Center, June and July 1990, volume 3, number 1
[PB91-173161] 19 p3203 N91-27705
RAPPAPORT, EDWARD N.
Diagnostic report of the National Hurricane Center, August and September, 1989, volume 2, number 2
[PB91-113225] 09 p1368 N91-17518
RAPTIS, A. C.
Assessment of tamper-revealing ceramic seals
[DE91-007793] 11 p1688 N91-19301
Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378
RAQUET, C. A.
System-Level Integrated Circuit (SLIC) development for phased array antenna applications
[NASA-TM-104392] 15 p2412 N91-23354
Ka-band MMIC microstrip array for high rate communications
[NASA-TM-104500] 19 p3154 N91-27437
RARIDON, M. H.
International Energy: Subject Thesaurus
[DE90-008750] 03 p0427 N91-12390
RASCON, MARIO
Unconventional propellant performance
17 p2749 N91-25212
Performance of unconventional propellants
17 p2751 N91-25224
RASDORF, WILLIAM J.
Composite database interface users manual
[AD-A235327] 18 p2942 N91-26230
RASH, CLARENCE E.
Visual Survey of Apache Aviators (VISAA)
[AD-A230201] 12 p1931 N91-20624
Visual and field-of-view evaluation of the M-43 protective mask with prescription eyepieces
[AD-A234592] 18 p3035 N91-26754
RASH, JAMES L.
The 1991 Goddard Conference on Space Applications of Artificial Intelligence
[NASA-CP-3110] 14 p2312 N91-22769
RASHID, MARK MARWAN
High-strain-rate plastic flow in metallic single crystals
17 p2758 N91-25267
RASMUSON, D. M.
Living PRAs (Probabilistic Risk Analysis) made easier with IRRAS (Integrated Reliability and Risk Analysis System)
[DE90-010938] 08 p1161 N91-16395
RASMUSSEN, A. L.
Scanning system for measuring uniformity of laser detector response and laser beam dimensions
[PB90-257619] 02 p0216 N91-11207
RASMUSSEN, ARTHUR N.
Advanced automation in space shuttle mission control
12 p1940 N91-20670
RASMUSSEN, DARYL
Telescience testbedding: Technical and operational requirements for an international capability
14 p2223 N91-22292
RASMUSSEN, G.
Mechanical and acoustic testing using intensity techniques 07 p0955 N91-15250
RASMUSSEN, JEFFREY L.
Evaluation of bootstrap and parametric percentile contrasts. Volume 1: Splits analysis: A method for noncentral tendency comparisons
[AD-A230506] 12 p1970 N91-20838
RASMUSSEN, M. L.
An integrated aerodynamic/propulsion study for generic aero-space planes based on waverider concepts
[NASA-CR-188691] 22 p3617 N91-30125
RASMUSSEN, OLE
Plant protoplast development on Biokosmos 9
11 p1758 N91-19674
RASMUSSEN, R. A.
Southern California air quality study. Part 1: Hydrocarbon collection and analyses; and part 2: Air toxics collection and analyses
[PB91-129353] 14 p2283 N91-22624
RASMUSSEN, ROBERT D.
Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU]
06 p0863 N91-14772
RASMUSSEN, S.
Information dynamics of self-programmable matter
[DE91-009954] 15 p2482 N91-23740
RASNUSSEN, K.
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
RASOLT, M.
Thermodynamic and transport properties of superconductors in very high magnetic fields
[DE91-012530] 20 p3426 N91-29000
Superconductivity induced by very high magnetic fields: Thermodynamic and transport properties
[DE91-015327] 21 p3509 N91-29481
RASOLT, MARK
High Tc superconductivity
[DE91-000692] 07 p1070 N91-15887
RASPET, R.
Soviet atmospheric acoustics research
15 p2500 N91-23848
RASPET, RICHARD
Exponential ground impedance models and their interpretation 08 p1215 N91-16686
Scattering of sound by atmospheric turbulence predictions in a refractive shadow zone
08 p1218 N91-16703
Effects of large-scale wind driven turbulence on sound propagation 08 p1218 N91-16704
Theoretical and experimental study of thermoacoustic engines
[AD-A230700] 12 p1919 N91-20559
RASSE, ANNE
CLEO: An error diagnosis method in XESAR
[ETN-91-99485] 22 p3738 N91-30820
RAST, HOWARD E.
Automated system for measuring the strength of optical fibers
[AD-D014626] 06 p0872 N91-14824
RAST, M.
The multifrequency imaging microwave radiometer: Instrument panel report
[ESA-SP-1138] 07 p1005 N91-15517
Signal detection of MERIS in oceanographic applications 15 p2455 N91-23605
RASTOGI, PRABHAT K.
Spectral and correlation analysis with applications to middle-atmosphere radars 18 p3010 N91-26619
RASURE, JOHN
Near ground level sensing for spatial analysis of vegetation 07 p1023 N91-15617
RASZILLIER, H.
Coriolis-effect in mass flow metering
[LSTM-266/T/89] 01 p0043 N91-10258
RATCLIFF, SHIRLEY
Spacecraft software training needs assessment research
[NASA-CR-188103] 12 p1960 N91-20786
Spacecraft software training needs assessment research, appendices
[NASA-CR-188104] 12 p1960 N91-20787
RATCLIFFE, STANLEY
Prediction of aircraft trajectories
02 p0173 N91-10984
RATH, S.
Model for marfe-detached plasma transition in tokamaks 20 p3415 N91-28938
RATHBUN, R. E.
Transport and fate of acetone in an outdoor model stream, Stennis Space Center near Bay St. Louis, Mississippi
[PB91-154674] 18 p3006 N91-26600
RATHKOPF, J. A.
Extending the alias Monte Carlo sampling method to general distributions
[DE91-007619] 10 p1587 N91-18752
Response matrix Monte Carlo based on a general geometry local calculation for electron transport
[DE91-007638] 11 p1785 N91-19794
Single-scatter Monte Carlo compared to condensed history results for low energy electrons
[DE91-015176] 21 p3573 N91-29869
RATHKOPF, JAMES A.
The alias method: A fast, efficient Monte Carlo sampling technique
[DE91-006244] 09 p1393 N91-17666
Response matrix Monte Carlo for electron transport
[DE91-006248] 09 p1397 N91-17686
RATHMANN, PETER
A mediator architecture for abstract data access
[AD-A227362] 06 p0857 N91-14730
RATIS, YU. L.
An inverse problem for classical relativistic mechanics
[DE90-631599] 02 p0283 N91-11589
RATNAKUMAR, B. V.
Sodium-metal chloride battery research at JPL
24 p4038 N91-32566
RATNER, E. Z.
Assessment of battery technologies for electric vehicles. Volume 2, part 1: Appendices
[DE90-010907] 08 p1132 N91-16227
RATNER, JEREMIAH M.
Research into language concepts for the mission control center
[NASA-CR-185928] 02 p0251 N91-11392
RATNER, M. A.
Application for continuation of mixed ionic and electronic conductivity in polymers
[DE91-005077] 10 p1503 N91-18271

RATTNER, JUSTIN
High performance computing for large eddy simulations: Today and tomorrow
[AD-A231220] 13 p2135 N91-21758
RATZEL, A. C.
Aerosol cloud generation experiments
[DE90-011051] 08 p1138 N91-16264
RATZLOFF, J.
Spectrum required for HF broadcasting
[PB91-151860] 16 p2617 N91-24487
RAU, W.
Experimental investigations on the transition from stable to unstable combustion by means of active instability control 15 p2378 N91-23165
RAUB, C. J.
Electrolytic hydrogen formation (TEXUS 1) 23 p3827 N91-31347
Electrolytically generated hydrogen bubbles (TEXUS 6) 23 p3827 N91-31348
RAUCH, FRANK
Real time digital control and controlled structures experiments 14 p2232 N91-22344
RAUCH, JEFFREY S.
Comparative survey of dynamic analyses of free-piston Stirling engines
[NASA-TM-104491] 18 p3055 N91-26870
RAUCH, L. L.
On estimating the phase of a periodic waveform in additive Gaussian noise, part 3 10 p1512 N91-18321
RAUCH, PAUL
The structure of Ta3N5 at 16K by time-of-flight neutron diffraction
[AD-A236596] 20 p3423 N91-28987
RAUH, R. DAVID
Development of a nickel oxide/hydrogen multilayer bipolar battery for pulsed power, phase 2
[AD-A228388] 09 p1326 N91-17284
RAULIN, FRANCOIS
Prebiotic chemistry in the solar system 10 p1621 N91-18945
RAUS, P.
Phase changes during plasma spray deposition
[IPPCZ-297] 06 p0875 N91-14837
RAUSCH, RUSS D.
Spatial adaption procedures on unstructured meshes for accurate unsteady aerodynamic flow computation
[NASA-TM-104039] 12 p1828 N91-20048
Unstructured-grid methods development for unsteady aerodynamic and aeroelastic analyses
[NASA-TM-104143] 24 p3951 N91-32084
RAUSCHER, E. A.
Observations of ELF signatures arising from space vehicle disturbances of the ionosphere
[AD-A236563] 19 p3152 N91-27423
RAVARD, O.
Analysis of experimental results with meteor links carried out at different ranges and frequencies 22 p3659 N91-30368
RAVASSARD, P.
Mechanical and metallurgical aspects of warm temperature forcing
[CETIM-105430] 12 p1868 N91-20263
RAVAT, DHANANJAY NARENDRA
Magsat investigations over the greater African region 08 p1165 N91-16415
RAVEENDRA, S. T.
Probabilistic boundary element method 16 p2586 N91-24329
RAVID, ITZHAK
Lateral dispersion of radioactive release. Draft for comments
[CEMA-86/17] 15 p2458 N91-23621
RAVID, SHAUL B.
Inverse filtering restoration of LANDSAT images blurred as a result of the adjacency effect
[ITN-90-85023] 16 p2650 N91-24670
RAVIV, DANIEL
A closed-form massively-parallel range-from-image-flow algorithm
[PB91-112805] 12 p1954 N91-20746
RAVIV, OSNAT
Enhanced activity of immobilized dimethymaleic anhydride-protected poly- and monoclonal antibodies 14 p2296 N91-22695
RAVOGLI, ANTONELLA
Simulated absence of gravity impairs arterial baroreceptor control of heart rate in man 11 p1746 N91-19599
RAWAL, D.
Critical speeds and forced response solutions for active magnetic bearing turbomachinery, part 1 13 p2038 N91-21209
Critical speeds and forced response solutions for active magnetic bearing turbomachinery, part 2 13 p2038 N91-21210
RAWAL, SURAJ P.
Composite materials for space applications
[NASA-CR-187472] 11 p1676 N91-19238
RAWER, K.
International reference ionosphere 1990
[NASA-TM-105055] 22 p3705 N91-30621
RAWL, D. E., JR.
Defect characterization in pipe-to-pipe welds in large diameter stainless steel piping
[DE91-004279] 07 p1013 N91-15563
A metallurgical evaluation of stress corrosion cracking in large diameter stainless steel piping
[DE91-005658] 09 p1314 N91-17215
RAWLIN, V. K.
Xenon ion propulsion for orbit transfer
[NASA-TM-103193] 03 p0323 N91-11798
RAWLIN, VINCENT K.
Mass comparisons of electric propulsion systems for NSSK of geosynchronous spacecraft
[NASA-TM-105153] 23 p3803 N91-31212
RAWLINGS, J. B.
Optimization approaches to nonlinear model predictive control
[DE91-011178] 17 p2841 N91-25701
RAWLINGS, STEVE
The environments of double radiogalaxies 05 p0747 N91-14166
Non-steller light from high-redshift radiogalaxies 05 p0763 N91-14238
RAWLINS, W. T.
A survey of optical diagnostic methods for the study of fuel fouling
[AD-A237361] 21 p3581 N91-29920
RAY, A.
X ray structure of polyanilines
[AD-A233848] 18 p2959 N91-26332
Electron localization in polyaniline and its derivatives
[AD-A233934] 18 p2960 N91-26335
A reconfigurable strategy for distributed digital process control
[DE91-013740] 20 p3390 N91-28786
RAY, A. E.
Calculation of Gallium-metal-Arsenic phase diagrams 22 p3633 N91-30214
RAY, ASIT K.
Fine-tuning of process conditions to improve product uniformity of polystyrene particles used for wind tunnel velocimetry 04 p0599 N91-13338
RAY, ASOK
Compensation of distributed delays in integrated communication and control systems
[NASA-CR-187136] 21 p3461 N91-29193
RAY, INGEBORG L.
ADS integration into the flight management computer 24 p3957 N91-32114
RAY, J. D.
Intercomparison of the chemical and meteorological data generated from aircraft and shipboard sampling during GCE/CASE/WATOX
[PB91-129098] 13 p2120 N91-21667
RAY, JAYANTA K.
Synthesis, polymerization and thermal properties of a new acetylene-terminated Schiff base
[AD-A233806] 18 p2959 N91-26328
RAY, LAURA RYAN
Stochastic robustness of linear multivariable control systems: Towards comprehensive robustness analysis 20 p3286 N91-28172
RAY, LAURIE RYAN
Stochastic robustness: Towards a comprehensive robustness tool 11 p1638 N91-19036
RAY, P. H.
A distributed computer environment for a multimission spacecraft operations and control center 14 p2208 N91-22193
RAY, PAUL S.
Emergency egress requirements for Space Station Freedom 10 p1633 N91-19005
RAY, PRADOSH K.
Electrode erosion in low power arcjet thrusters 19 p3273 N91-28107
Low energy sputtering of cobalt by cesium ions 19 p3277 N91-28124
RAY, R. D.
Oceanic tide maps and spherical harmonic coefficients from Geosat altimetry
[NASA-TM-104544] 22 p3708 N91-30639
RAY, RONALD J.
Real-time in-flight engine performance and health monitoring techniques for flight research application
[NASA-TM-104239] 22 p3619 N91-30132
RAY, S. N.
Analysis of error in TOMS total ozone as a function of orbit and attitude parameters
[NASA-CR-4361] 13 p2121 N91-21670
RAYHRER, B.
Design and status of the RF-digitizer integrated circuit 24 p3985 N91-32262
RAYMER, J. H.
Measurements of exhaled breath using a new portable sampling method
[PB90-250135] 04 p0550 N91-13053
RAYMER, MICHAEL G.
Nonlinear dynamics of broad-band lasers
[DE91-001143] 06 p0832 N91-14596
RAYMOND, CAROL ANNE
Satellite elevation magnetic anomalies and their use in tectonic studies 02 p0227 N91-11272
RAYMOND, JOHN C.
UV observations of x ray binaries 09 p1430 N91-17874
RAYMOND, LOUIS
Inelastic deformation of plate panels
[AD-A236662] 22 p3691 N91-30550
RAYMOND, P.
Numerical simulation of electromagnetic acceleration by induction. Part 1: Thin loops
[ISL-R-102/89-PT-1] 01 p0035 N91-10205
Automatic program correction of interferometry quadratic sensor errors. Application to the processing of signals from a VISAR interferometer
[ISL-R-127/89] 13 p2143 N91-21799
RAYMOND, R. J.
Wear reduction systems liquid piston ring
[DE91-002036] 16 p2636 N91-24595
RAYNAL, R.
Testing and integrity of thermostructural ceramic matrix composites 03 p0334 N91-11871
RAYNAUD, G.
Advantage of nonguided hypervelocity projectiles in antimissile warfare
[ISL-R-110/90] 13 p2032 N91-21174
RAYNAUD, JACQUES
Procedure for steering a low-speed missile, weapon system, and missile for implementation of the procedure
[PATENT-1-265-947] 23 p3797 N91-31182
RAYNE, ROY
A machinable oxide ceramic
[AD-D014752] 12 p1876 N91-20311
RAYNER, KEITH
A Conference on Eye Movements and Visual Cognition
[AD-A234754] 18 p3032 N91-26739
RAYNER, S. L.
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
RAYNER, STEPHEN F.
Human dimensions of global environmental change of the International Social Science Council
[DE91-005503] 09 p1360 N91-17476
RAYNER, STEPHEN MARK
Very high energy gamma rays from isolated pulsars and non-pulsating objects 02 p0295 N91-11655
RAYNER, STEVE
Managing the Global Commons Decision Making and Conflict Resolution in Response to Climate Change Research Workshop
[DE91-001018] 05 p0685 N91-13810
Limiting the greenhouse effect: Options for controlling atmospheric CO2 accumulation
[DE91-006805] 10 p1544 N91-18496
RAZANI, A.
Effect of equations of state on transient burning analysis of pyrotechnic materials in a closed system
[DE91-009167] 13 p2050 N91-21280
RAZZAQ, ZIA
Passive damping concepts for tubular beams with partial rotational and translational end restraints
[NASA-CR-187833] 08 p1164 N91-16411
RE, F.
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, March 1990
[IFSI-90-15] 01 p0141 N91-10833
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, April 1990
[IFSI-90-18] 01 p0141 N91-10834
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, January 1990
[IFSI-90-5] 02 p0295 N91-11653
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, February 1990
[IFSI-90-6] 02 p0295 N91-11654
The Rome neutron monitor data for four ground-level enhancements observed by the world-wide station network in 1990
[NOTA-INTERNA-967] 11 p1823 N91-20019

REACH, WILLIAM T.
Molecules, grains, and shocks: A comparison of CO, H I, and IRAS data 06 p0900 N91-14975
Infrared cirrus point sources 06 p0900 N91-14978
Infrared emission from interplanetary dust 06 p0908 N91-15013
READ, B. E.
Dynamic mechanical properties and morphology of a polyethylene/polycarbonate blend [NPL-DMM(A)-11] 12 p1876 N91-20312
Creep and physical ageing in PVC at high stresses [NPL-DMM(A)-17] 12 p1876 N91-20313
READ, D.
Integrated Cryogenic Experiment (ICE) microsphere investigation [NASA-CR-177538] 11 p1693 N91-19323
READ, M. E.
A 30 MW, 10 GHz gyroklystron with linear collider application [DE90-009991] 09 p1338 N91-17347
READ, WALTER
Natural language sourcebook [AD-A233005] 16 p2668 N91-24765
REAGAN, MICHAEL K.
Effect of riblets on pressure recovery in a straight-walled diffuser [AD-A230662] 12 p1897 N91-20430
REAMS, GREGORY A.
Response of forest trees to sulfur, nitrogen, and associated pollutants [PB90-270539] 09 p1360 N91-17473
REARDON, JOHN E.
Aero/fluids database system [NASA-CR-184208] 23 p3914 N91-31853
REARDON, WILLIAM H.
Environmental icing testing at the Naval Air Propulsion Center 23 p3795 N91-31167
REASONER, DAVID L.
The Combined Release and Radiation Effects Satellite (CRRES) program: A unique series of scientific experiments [NASA-TM-103380] 14 p2284 N91-22629
REAUGH, J. E.
Dynamic yield strength of a palladium alloy metallic glass [DE91-015111] 23 p3818 N91-31298
REAUGH, JOHN E.
Penetration of yawed projectiles [DE91-001084] 05 p0670 N91-13726
REBAGAY, T. V.
Structural integrity assessment of concrete slabs by nondestructive examination and Fourier transform-infrared methods [DE90-017233] 01 p0050 N91-10296
REBARBER, RICHARD
Feedback control in distributed parameter systems [AD-A229433] 22 p3740 N91-30836
REBBECHI, BRIAN
Comparison of analysis and experiment for dynamics of low-contact-ratio spur gears [NASA-TM-103232] 14 p2271 N91-22566
Dynamic measurements of gear tooth friction and load [NASA-TM-103281] 19 p3178 N91-27570
REBELSKY, L.
The time evolution of the first order magnetic phase transition in Dy-4 percent Y alloy [DE91-015423] 22 p3760 N91-30961
REBER, CHRISTIAN
Luminescence and absorption spectra of C60 films [AD-A232153] 15 p2508 N91-23900
REBER, R.
Civil tiltrotor missions and applications. Phase 2: The commercial passenger market [NASA-CR-177576] 18 p2923 N91-26126
REBER, R. A.
Effect of bias on Thermally Stimulated Current (TSC) in irradiated MOS devices [DE91-008179] 19 p3250 N91-27978
REBER, RON
Civil tiltrotor missions and applications [NASA-CR-177452] 05 p0617 N91-13424
REBNORD, D. A.
Homogenization techniques and estimation of material parameters in distributed structures [NASA-CR-187585] 19 p3235 N91-27887
REBUT, P. H.
Recent JET results and future prospects [DE91-005474] 13 p2158 N91-21897
RECHENMACHER, R.
Design of the Digital Sky Survey DA and online system: A case history in the use of computer aided tools for data acquisition system design [DE91-016469] 24 p4121 N91-33032
RECHESTER, ALEXANDER B.
Statistical mechanics using symbolic dynamics 20 p3416 N91-28940
RECKAMP, DOUGLAS E.
On the breakdown of a vortex [AD-A227066] 06 p0827 N91-14568
RECONDO-GONZALEZ, M. C.
Mapping the BLR: Line variability in Fairall-9 09 p1445 N91-17972
REDDER, CHRISTOPHER R.
Science needs for real time adaptable data products from the Earth Observing System (EOS) [NASA-CR-4363] 14 p2280 N91-22609
REDDING, DAVID C.
Feedback controlled optics with wavefront compensation [NASA-CASE-NPO-18194-1-CU] 24 p4103 N91-32924
REDDIX, M. D.
The effect of three levels of laser glare on the speed and accuracy of target location performance when viewing a briefly presented visual array [AD-A238565] 21 p3552 N91-29736
REDDY, BANDI JAGANNADHA
Surface roughness of flat and curved optical surfaces 19 p3277 N91-28126
REDDY, D. R.
A comparison of CFD predictions and experimental results for a Mach 5 inlet 12 p1836 N91-20094
Viscous three-dimensional analyses for nozzles for hypersonic propulsion 15 p2380 N91-23175
The 3-D Navier-Stokes analysis of crossing, glancing shocks/turbulent boundary layer interactions [NASA-TM-104469] 16 p2550 N91-24130
The design/analysis of flows through turbomachinery: A viscous/inviscid approach [NASA-TM-104447] 17 p2736 N91-25148
REDDY, J.
Radiating payload testing in the large compact payload test range at ESTEC 07 p0960 N91-15287
REDDY, J. N.
A finite element solver for 3-D compressible viscous flows [NASA-CR-184175] 21 p3510 N91-29488
REDDY, K. C.
A finite element solver for 3-D compressible viscous flows [NASA-CR-184175] 21 p3510 N91-29488
REDDY, K. V.
A hypersonic thermally-nonequilibrium reacting flow around a three-dimensional blunt body 04 p0452 N91-12523
REDDY, RAJ
A 3D-object reconstruction system integrating range-image processing and rapid prototyping [AD-A233577] 16 p2671 N91-24783
REDDY, RAKASI M.
Thermoplastic polyimide NEW-TPI (trademark) [NASA-CR-187445] 03 p0325 N91-11809
An improved compression molding technology for continuous fiber reinforced composite laminate. Part 1: AS-4/LaRC-TPI 1500 (HFG) Prepreg system [NASA-CR-187572] 19 p3136 N91-27329
REDDY, S.
Computational fluid dynamics in aerospace engineering at Wichita State University 10 p1456 N91-18025
A time delay controller for magnetic bearings 13 p2037 N91-21205
REDDY, S. K.
Effects of rim thickness on spur gear bending stress [NASA-TM-104388] 15 p2437 N91-23500
REDDY, T. S. R.
Euler flow predictions for an oscillating cascade using a high resolution wave-split scheme [NASA-TM-104377] 16 p2546 N91-24107
REDDY, UDAY
Framework programmable platform for the advanced software development workstation. Integration mechanism design document [NASA-CR-188592] 17 p2830 N91-25636
REDEKER, G.
Laminar flow wing 03 p0309 N91-11727
REDEKOPP, L. G.
Unsteady behavior of turbulent shear flows [AD-A231836] 14 p2264 N91-22523
REDER, STEPHEN
The temporal structure of cooperative activity 19 p3258 N91-28020
The communicative economy of the workgroup: Multi-channel genres of communication 19 p3258 N91-28021
REDEY, L.
Development of high performance sodium/metal chloride cells [DE90-017668] 02 p0207 N91-11159
Characterization of active materials and electrodes for battery R and D [DE91-010758] 15 p2418 N91-23390
REDEY, LASZLO
Overdischarge protection in high-temperature cells and batteries [DE90-015180] 01 p0037 N91-10220
Lithium batteries for pulse power [DE91-006663] 10 p1519 N91-18365
REDIESS, HERMAN A.
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 1: Real-time flight experiment support [NASA-CR-179449] 16 p2559 N91-24193
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 2: Remote computation support for flight systems functions [NASA-CR-179450] 16 p2559 N91-24194
National remote computational flight research facility [NASA-CR-179432] 16 p2562 N91-24210
REDIKER, ROBERT H.
Analog processing of optical wavefronts using integrated guided-wave optics [AD-A232703] 15 p2509 N91-23904
REDING, GREGORY J.
A smoothing algorithm for upper-air soundings [AD-A232853] 15 p2465 N91-23661
REDMON, JOHN W., JR.
Thermally isolated deployable shield for spacecraft [NASA-CASE-MFS-28524-1] 17 p2741 N91-25167
REDMOND-WHITE, WILLIAM
The measurement of structural wave intensity 14 p2275 N91-22582
REDUS, JERRY
Next generation: In-space transportation system(s) 20 p3293 N91-28211
REE, F.
Equation-of-state from SiO2 aerogel Hugoniot data [DE91-011480] 20 p3308 N91-28313
REE, F. H.
Multiphase carbon and its properties in complex mixtures [DE91-001679] 05 p0632 N91-13499
REE, FRANCIS H.
A new perturbation theory of solids and fluids and its applications to high-pressure melting problems [DE90-011502] 08 p1239 N91-16829
REEBER, ROBERT R.
Research and Technology Transfer Ion Implantation Technology for Specialty Materials: Proceedings of a joint workshop [AD-A236060] 19 p3253 N91-27997
REECE, GARLAND D.
Water cooled static pressure probe [NASA-CASE-LAR-14340-1-CU] 05 p0663 N91-13684
Liquid cooled supersonic total temperature probe [NASA-CASE-LAR-14435-1-CU] 18 p2929 N91-26159
REECE, RICK L.
An analysis of the effect of frequency of task performance on job performance measurement [AD-A225304] 03 p0396 N91-12202
REED, BRIAN D.
Experimental and analytical comparison of flowfields in a 110 N (25 lbf) H2/O2 rocket [NASA-TM-105175] 21 p3468 N91-29230
REED, DAVID M.
RSM 1.0 user's guide: A resupply scheduler using integer optimization [NASA-TM-104380] 14 p2310 N91-22766
REED, E. K.
Electromagnetic penetration through narrow slots in conducting surfaces and coupling to structures on the shadow side [DE91-007155] 11 p1694 N91-19331
REED, F. O.
Development of ultrasonic techniques to establish flaw size [PB91-176271] 19 p3178 N91-27574
REED, HELEN L.
Three-dimensional unsteady separation at low Reynolds numbers [AD-A225167] 03 p0365 N91-12043
Navier-Stokes simulation of boundary-layer transition [AD-A226351] 04 p0523 N91-12910
Numerical simulation of swept-wing flows [NASA-CR-188201] 14 p2190 N91-22095
REED, J. H.
Establishing functional requirements for emergency management information systems [DE91-006340] 10 p1614 N91-18905
REED, JASON C.
Polymer/riblet combination for hydrodynamic skin friction reduction [NASA-CASE-LAR-14271-1-CU] 05 p0641 N91-13558

REED, K.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903
REED, M. A.
Quantum device development
[AD-A225813] 04 p0587 N91-13280
Few-electron lateral resonant tunneling semiconductor devices
[AD-A236901] 19 p3255 N91-28012
REED, R. A.
Diagnostic measurements on an aluminized propellant plume during spin and nonspin testing
[AD-A232031] 15 p2391 N91-23235
REED, R. DALE
Science requirements and feasibility/design studies of a very-high-altitude aircraft for atmospheric research
17 p2799 N91-25481
REED, R. P.
Intrinsic (?) reference standards
[DE90-015714] 01 p0118 N91-10696
REED, RICHARD P.
Aluminum alloys for ALS cryogenic tanks: Oxygen compatibility, volume 2
[AD-A231830] 14 p2245 N91-22422
REED, RICHARD PALMER
Aluminum alloys for cryogenic tanks: Oxygen compatibility, volume 1
[AD-A229229] 09 p1314 N91-17211
Review of cryogenic mechanical and thermal properties of Al-Li alloys and alloy 2219
[AD-A229231] 09 p1314 N91-17212
Materials studies for magnetic fusion energy applications at low temperatures-13
[PB91-107086] 09 p1406 N91-17737
REED, S. T.
Aerogel composites for radioluminescent light/power sources
[DE91-012012] 20 p3323 N91-28395
REED, STEPHEN K.
Schema-based theories of problem solving
[AD-A233003] 16 p2678 N91-24823
REED, WILMER H., III
Torsional suspension system for testing space structures
[NASA-CASE-LAR-14149-1-SB]
13 p2032 N91-21176
REEDER, J. R.
Nonlinear analysis and redesign of the mixed-mode bending delamination test
[NASA-TM-102777] 11 p1722 N91-19482
REEDER, JAMES R.
Delamination test apparatus and method
[NASA-CASE-LAR-13985-1] 06 p0803 N91-14430
REEDER, M. F.
Effect of tabs on the evolution of an axisymmetric jet
[NASA-TM-104472] 19 p3106 N91-27159
REEDY, E. D., JR.
Tubular lap joints for wind turbine applications
[DE91-001341] 05 p0672 N91-13736
REEDY, R. C.
Measurements of induced radioactivity in some LDEF samples 16 p2708 N91-24986
Measurements of induced radioactivity in some LDEF samples
[DE91-016309] 24 p4095 N91-32882
Solar particle events during the rising phase of solar cycle 22
[DE91-016042] 24 p4124 N91-33049
REEDY, ROBERT C.
Proceedings of a Workshop on Cosmogenic Nuclide Production Rates
[NASA-CR-185349] 05 p0734 N91-14098
Elemental mapping of planetary surfaces using gamma ray spectroscopy
[DE91-001877] 05 p0767 N91-14258
REEFMAN, D.
Low temperature properties of boron carbides
[DE91-008172] 11 p1677 N91-19243
REEPS, S. M.
Accommodation of female aircrew in USN protective flight clothing and equipment 02 p0247 N91-11375
REES, B. J.
A study of the influence of alloying additions on the passivity of aluminum
[AD-A232965] 16 p2600 N91-24410
REES, D.
Numerical simulations of the seasonal/latitudinal variations of atomic oxygen and nitric oxide in the lower thermosphere and mesosphere
19 p3191 N91-27644
REES, D. E.
Modeling of a 1700-MHz cluster cavity of planar triodes
[DE91-013049] 20 p3338 N91-28488
Fields and trajectories in the magnicon
[DE91-013070] 20 p3339 N91-28492
REES, DANIEL
Increasing output power of an 850 MHz tetrode with a floating-deck modulator
[DE91-000433] 02 p0208 N91-11162
REES, ERNEST
Adaptive search through constraint violations
[AD-A225553] 03 p0413 N91-12313
REES, L. B.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923
REES, WILLIAM S., JR.
Silicon ceramics with a dash of boron
[AD-A236410] 19 p3142 N91-27363
REESE, KENNETH WINSTON
Properties of the neutral density in the polar lower thermosphere determined by incoherent scatter radar
[AD-A227723] 07 p1029 N91-15645
REESE, SHAWN
A preliminary characterization of applied-field MPD thruster plumes
[NASA-CR-187165] 22 p3630 N91-30201
REESON, K. J.
Ion Implantation Technology: Proceedings of the 8th International Conference on Ion Implantation Technology
[AD-A237955] 21 p3597 N91-30013
REEVES, ANTHONY P.
Methods for identifying object class, type, and orientation in the presence of uncertainty
[AD-A225984] 04 p0554 N91-13072
REEVES, C. E.
Effect of aircraft emissions on atmospheric ozone in the Northern Hemisphere
[PB91-172072] 19 p3188 N91-27628
REEVES, G.
Superconducting properties of Tl-Ba-Ca-Cu-O films on silver substrates
[DE91-002304] 06 p0879 N91-14856
REEVES, G. A.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
REEVES, G. D.
Solar particle events during the rising phase of solar cycle 22
[DE91-016042] 24 p4124 N91-33049
REEVES, G. P.
Two-stage igniter test results: Electrical ignition of LGP 1846
[AD-A235619] 19 p3144 N91-27377
REEVES, JOHN T.
Sleep disturbances at high altitude. Role of a PCO2 apneic threshold
[AD-A229426] 22 p3716 N91-30680
REEVES, R. R.
A program in the chemistry of electronic materials. Task 1: New organometallic precursors for the low pressure chemical vapor deposition of refractory materials for electronics
[AD-A234315] 18 p2961 N91-26342
REEVES, ROBERT R.
A program in the chemistry of electronic materials
[AD-A235563] 19 p3157 N91-27451
REGAN, BRADLEY TODD
Fine scale analysis of the kinematic, dynamic and thermodynamic features of a multiple microburst-producing storm
[AD-A227733] 07 p1031 N91-15657
REGAN, DAVID
Visual sensitivities and discriminations and their role in aviation
[AD-A234866] 18 p3032 N91-26740
REGAN, J. D.
Investigations of aerothermodynamic effects on axisymmetric bodies at high Mach numbers
06 p0776 N91-14302
REGENIE, VICTORIA
Research flight-control system development for the F-18 high alpha research vehicle
[NASA-TM-104232] 14 p2196 N91-22131
REGGIANI, P.
Blood pressure maturation curve in normotensive rats during growth in simulated microgravitational environment 11 p1753 N91-19644
REGGIARDO, J. F.
Stress relaxation in bending of type AISI 304 stainless steel at 773K and 823K
[DE91-618657] 23 p3883 N91-31666
REGHIZZI, STEFANO CRESPI
MML language analysis
[REPT-91-003] 22 p3731 N91-30769
REGIAN, J. WESLEY
An intelligent tutoring system for the investigation of high performance skill acquisition
[NASA-CR-188827] 24 p4086 N91-32827
REGNER, PETER
Photometric analyses for the determination of physical and structural properties for the Martian surface in the Oxia Palus region
[DLR-FB-90-27] 08 p1268 N91-16979
REGULA, MICHAEL
Withstanding voltage degradation of EEE components due to cavity pressure loss 24 p3993 N91-32313
Total dose characterization of new components for the ESA radiation effects database
24 p4000 N91-32362
REHAK, M. L.
Brittle behavior of SSC yokes
[DE91-014031] 20 p3318 N91-28370
REHBEIN, D. K.
Deducing mechanical properties due to interfaces from their acoustical response
[DE90-016704] 02 p0221 N91-11234
Fatigue crack characterization by ultrasonic inspection
[DE90-017252] 02 p0226 N91-11264
Characterizing closure asperities by ultrasonic measurements
[DE90-016709] 04 p0535 N91-12967
Ultrasonic characterization of fatigue crack closure
[DE91-015161] 23 p3886 N91-31688
REHM, R. G.
Boussinesq algorithm for enclosed bouyant convection in two dimensions
[PB91-178848] 20 p3342 N91-28507
REHMANN, ALBERT
A model human engineering approach to the development of regulatory standards for digital communication technologies: Defining safety from a human-machine systems perspective
24 p3959 N91-32126
REHMANN, ALBERT J.
The FAA technical center's avionics data link initiative
04 p0461 N91-12576
REHN, L. E.
Ion-induced grain growth in multilayer and coevaporated metal alloy thin films
[DE91-004489] 06 p0810 N91-14472
An ion-channeling study of irradiation-induced amorphization of YBa2Cu3O(7-x)
[DE91-004488] 06 p0884 N91-14884
Ion-channeling study of anomalous atomic displacements at the superconducting transition in high-Tc materials
[DE91-004408] 07 p1073 N91-15904
Correlation between the elastic-shear-instability-mechanism and empirical criteria for irradiation-induced amorphization
[DE91-004481] 08 p1235 N91-16810
Ion beam modifications of near-surface compositions in ternary alloys
[DE91-006035] 09 p1315 N91-17217
Ion beams in high-temperature superconductivity research
[DE91-016521] 24 p4109 N91-32965
REHNERT, HARALD
Scattering of evanescent waves. Examination by use of lateral waves in the microscope
[ETN-91-98787] 10 p1596 N91-18808
REICH, R. M.
Theory and derivation for Weibull parameter probability weighted moment estimators
[PB91-124495] 12 p1972 N91-20848
REICHARD, SHERWOOD M.
A review: The 13th Annual Conference on Shock
[AD-A237300] 22 p3717 N91-30690
REICHERT, B. A.
An experimental comparison of nonswirling and swirling flow in a circular-to-rectangular transition duct
[NASA-TM-104359] 13 p2020 N91-21115
An experimental trace gas investigation of fluid transport and mixing in a circular-to-rectangular transition duct
[NASA-TM-104499] 19 p3100 N91-27129
REICHERT, BRUCE A.
A study of high speed flows in an aircraft transition duct
[NASA-TM-104449] 18 p2922 N91-26122
REICHERT, G. A.
IUE and Einstein observations of the LINER galaxy NGC 4579 09 p1444 N91-17965
REICHERT, MICHAEL
The question of an efficient space transportation system for extraterrestrial materials
[ILR-MITT-252(1990)] 23 p3800 N91-31197
REICHERT, ROBERT T.
Modern robust control for missile autopilot design
05 p0619 N91-13435
REID, B. A.
Cost optimisation of load carrying structures
03 p0334 N91-11870

REID, CARL R.
Asymptotic finite strain analysis of propagating cracks in elastic-plastic materials 23 p3883 N91-31669
REID, D. W.
A high power Klystrode with potential for space application
[DE91-013046] 20 p3338 N91-28486
REID, G. W.
Investigations into the damage for various types of unprotected carbon fibre composites with a variety of lightning arc attachments 24 p4047 N91-32606
REID, GEORGE C.
Solar activity and the sea-surface temperature record-evidence of a long-period variation in solar total irradiance 03 p0443 N91-12478
REID, J.
Evaluation of the x ray response of a position-sensitive microstrip detector with an integrated readout chip
[DE91-004414] 07 p0998 N91-15482
REID, LONNIE
Internal fluid mechanics research
12 p1837 N91-20095
REID, MARGARET A.
Impedances of electrochemically impregnated nickel electrodes as functions of potential, KOH concentration, and impregnation method
[NASA-TM-103283] 07 p1025 N91-15628
Raman spectral observation of a new phase observed in nickel electrodes cycled to failure
24 p4037 N91-32556
Impedances of nickel electrodes cycled in various KOH concentrations 24 p4037 N91-32557
REID, N. W.
Relationships between PAN and ozone at sites in eastern North America
[DE91-011728] 18 p3007 N91-26607
REID, ROBERT S.
Review of liquid metal heat pipe work at Los Alamos
[DE91-004822] 07 p1002 N91-15503
REID, WARREN D.
High temperature mass spectrometric study of the thermodynamics of liquid nickel-aluminium alloys at 2000 K
[MRL-TR-91-15] 21 p3478 N91-29290
REIDY, R.
Point defect effects on hot corrosion of zirconia-based coatings
[AD-A232662] 15 p2407 N91-23326
REIF, JOHN
Computational complexity and efficiency in electro-optical computing system
[AD-A235013] 18 p3038 N91-26765
REIF, JOHN H.
Computational complexity and efficiency in electro-optical computing systems
[AD-A229195] 09 p1374 N91-17552
Very high speed holographic message routing for parallel machines
[AD-A230965] 13 p2089 N91-21499
Prototyping parallel and distributed programs in proteus
[AD-A236597] 20 p3384 N91-28746
REIF, ROBERT S.
Generic radar display
[AD-D014884] 19 p3146 N91-27388
REIFF, J.
About the possibilities of using an air mass transformation model in Taiyuan, Shanxi Province, China
[KNMI-TR-120] 01 p0093 N91-10540
REIFF, W. M.
Ruddlesden-Popper phases $A(n+1)M(n)O(3n+1)$: Structures and properties
[DE91-011748] 21 p3591 N91-29973
REIFMAN, J.
A first-principles generic methodology for representing the knowledge base of a process diagnostic expert system
[DE90-017693] 15 p2441 N91-23520
REIFSNIDER, K. L.
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330
REIGHBER, CHRISTOPHER
Report of the panel on international programs
13 p2107 N91-21599
REIJERS, H. T. J.
Liquid alloys with strong interactions
[DE90-017661] 02 p0197 N91-11102
REILINGER, ROBERT
GPS measurements of deformation associated with the 1987 Superstition Hills earthquake: Evidence for conjugate faulting
[NASA-CR-187781] 07 p1029 N91-15647
GPS measurements of strain accumulation across the Imperial Valley, California: 1986-1989
[NASA-CR-187788] 07 p1029 N91-15649
REILINGER, ROBERT E.
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591
REILLY, B. J.
Laser induced spark ignition of methane-oxygen mixtures
[NASA-CR-188689] 22 p3649 N91-30309
REILLY, NORMAN B.
Ground data system resource allocation planning to support mission management 14 p2213 N91-22223
REILLY, TERRENCE W.
LDEF impact craters formed by carbon-rich impactors
16 p2712 N91-25008
REIMERS, W.
Use of neutron diffraction methods for the determination of mechanical stresses in metal ceramic laminated composite materials 05 p0638 N91-13537
REIN, D. H.
Gas solubility in glassy polymers: A correlation with excess enthalpy
[AD-A228202] 08 p1120 N91-16155
Polybutadiene chain immobilization in B-core, star-branched SB block copolymers
[AD-A236767] 19 p3142 N91-27367
REINACH, Y.
Vertebral column length changes during simulated microgravity 11 p1747 N91-19604
REINARTZ, PETER
Multispectral classification of overlapping classes with applications to forest damage areas
[ESA-TT-1214] 22 p3698 N91-30590
REINATH, M. S.
A laser-sheet flow visualization technique for the large wind tunnels of the National Full-Scale Aerodynamics Complex
[NASA-TM-102793] 01 p0045 N91-10268
REINE, M. B.
Status of LWIR HgCdTe infrared detector technology
06 p0793 N91-14383
REINHARD, E.
Regeneration and characterization of protoplast-derived cell lines from Digitalis lanata EHRH. and Digitalis purpurea L. suspension cultures after electrofusion under microgravity conditions 11 p1755 N91-19652
REINHARD, R.
Key data on participating projects: The solar-terrestrial science project of the Inter-Agency Consultative Group for Space Science (IACG)
[ESA-SP-1107] 10 p1625 N91-18963
REINHARDT, BRUCE A.
The synthesis of decyloxy substituted aromatic polyazomethines for increased solubility
[AD-A225340] 03 p0345 N91-11933
REINHARDT, F. W.
Characterization of electrolyte-binder mixes for use in thermal batteries
[DE91-011267] 17 p2770 N91-25329
REINHARDT, FREDERICK W.
Self-discharge study of Li-alloy/FeS2 thermal cells
[DE90-010659] 08 p1169 N91-16438
REINHARDT, PETER
High-speed trains in competition with regional air transport 03 p0306 N91-11709
REINHOLD, BRIAN
The reduced version of the DERF 2 data set on a WORM optical disk
[DM-54] 15 p2524 N91-23991
REINIGER, KLAUS
Type specific dynamic measurements on wind-power plant at the Schnittlingen test site (Fed. Republic of Germany)
[ESA-TT-1174] 22 p3699 N91-30598
REINISCH, BODO W.
Digisonde at sondrestrom to monitor the ionospheric polar cap and cusp region
[AD-A230705] 12 p1924 N91-20584
Technique for measuring ionospheric irregularities generated by high power oblique HF heating of the F-region
[AD-A233883] 18 p3011 N91-26627
Ionospheric characteristics for archiving at the world data centers
[AD-A236645] 19 p3200 N91-27690
REINL, WERNER
BO 108 development status and prospects
[MBB-UD-0574-90-PUB] 11 p1648 N91-19085
REINMANN, J. J.
Icing simulation: A survey of computer models and experimental facilities
[NASA-TM-104366] 15 p2365 N91-23087
REINMANN, JOHN J.
NASA's aircraft icing technology program
12 p1841 N91-20120
REINOVSKY, R. E.
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Future explosive pulse-power technology for high-energy plasma physics experiments
[DE91-014801] 21 p3587 N91-29951
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
REINSHAGEN, J. H.
The P/M processing and applications of Fe3Al-based intermetallics
[DE91-015309] 22 p3651 N91-30317
REINSHAUS, P.
Examination of the segregation of tellurium in BiSbTe3
14 p2334 N91-22899
REINTJES, JOHN F.
A narrow-bandwidth unstable resonator laser cavity
[AD-D014865] 18 p2989 N91-26505
An ultraviolet optical isolator utilizing the KDP-isomorphs
[AD-D014860] 18 p3063 N91-26923
REISDORFER, D.
Helicopter structural integrity program (HSIP). Volume 1: Structural test requirements specification
[AD-A226520] 05 p0621 N91-13444
REISENTHEL, P.
Prediction of unsteady transonic separated flow for missile applications
[AD-A231259] 13 p2021 N91-21120
REISER, BRIAN J.
BATBook: An outline book and problem solving environment for the study of skill acquisition
[AD-A225699] 04 p0561 N91-13114
Pedagogical strategies for human and computer tutoring
[AD-A226886] 06 p0860 N91-14750
REISER, C.
Battlefield laser wavemeter
[DE91-007485] 10 p1527 N91-18410
REISER, M.
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
An electron beam injector for pulse compression experiments
[DE91-005744] 09 p1398 N91-17694
Ocular roll under changing z-axis acceleration and neck position 11 p1742 N91-19580
REISFELD, DANIEL
Generation of optimal code for Ada programs
[ITN-90-85031] 07 p1040 N91-15704
REISS, DONALD A.
Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] 18 p3071 N91-26968
REISS, EDWARD L.
The stability and dynamics of elastic structures and fluid flows
[AD-A229047] 09 p1337 N91-17344
REISS, NACHUM
CHAPS boosts the recovery of hydrophobic membrane proteins from various chromatography media
14 p2297 N91-22696
REISTER, D. B.
Time optimal trajectories for a two wheeled robot
[DE90-010335] 08 p1158 N91-16376
A new wheel control system for the omnidirectional HERMIES-3 robot
[DE90-017764] 11 p1716 N91-19446
DEMO 89: The initial experiment with the HERMIES-3 robot
[DE90-017765] 11 p1716 N91-19447
A new wheel control system for the omnidirectional HERMIES-3 robot
[DE91-011517] 17 p2784 N91-25406
REITEN, M.
Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801
REITER, J.
An algorithm for deconvolution by the maximum entropy method with astronomical applications
[TUM-REPT-229] 14 p2343 N91-22953
REITSTETTER, R.
Gravity perception by non-specialized structures
11 p1752 N91-19636
REITZ, G.
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF
16 p2725 N91-25096
REJ, D. J.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740

US-Japan Workshop on Field-Reversed Configurations with Steady-State High-Temperature Fusion Plasmas and the 11th US-Japan Workshop on Compact Toroids
[DE90-010253] 08 p1226 N91-16755
Performance of the 10-kV, 5-MA pulsed-power system for the FRX-C compression experiment
[DE91-014745] 20 p3423 N91-28983
REKERS, J.
Substring parsing for arbitrary context-free grammars
[CWI-CS-R9037] 17 p2832 N91-25650
RELOU, H.
The relation between tree physiology and multispectral and color photography: First phase
[BCRS-89-39] 05 p0681 N91-13785
REME, H.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010
REMER, D. S.
Modeling preparation costs for space missions by using major cost drivers 24 p3988 N91-32279
REMICK, R. J.
Solid-state proton conductors
[DE91-002050] 18 p3071 N91-26970
REMILLARD, JEFFREY THOMAS
Nonlinear optical studies of relaxation in semiconductor microstructures 09 p1409 N91-17753
REMILLARD, STEPHEN K.
Debris production in hypervelocity impact ASAT engagements
[AD-A230467] 12 p1907 N91-20494
REMINGTON, B. A.
Planar indirect-drive Rayleigh-Taylor experiments on Nova
[DE91-011967] 18 p3067 N91-26943
Large growth Rayleigh-Taylor experiments on Nova
[DE91-012885] 20 p3418 N91-28955
REMIS, STEVEN J.
Force-reflecting Interfaces to Telemanipulators Testing system (FITTS) interim user's guide
[AD-A231484] 14 p2271 N91-22563
Quantifying performance degradation due to the human-machine interface of telemanipulators
[AD-A232814] 15 p2478 N91-23723
REMIZOV, A. P.
Specific tasks of Regatta-E measurements correlated with Cluster/Regatta-A in the ISTP and Regatta programmes 01 p0072 N91-10436
REMLER, DAHLIA KARIN
Ion dynamics in semiconductors with self-consistent electronic densities 02 p0277 N91-11556
REMMERSWAAL, JOHANNES ANTONIUS MARIA
Fatigue of amorphous polymers
[ISBN-90-9003520-6] 08 p1120 N91-16157
REMO, JOHN L.
Full surface testing of grazing incidence mirrors
[AD-A234005] 18 p3063 N91-26922
REMPEL, T. D.
Edge electrostatic fluctuations and transport in the MST reversed field pinch
[DE91-015218] 21 p3588 N91-29959
REMSBERG, E. E.
An interim reference model for the variability of the middle atmosphere H2O vapor distribution
19 p3189 N91-27635
REMY, L.
Crack propagation in heat resistant disk alloys. Short crack propagation in alloys for high characteristic turbomachine disks
[ETN-91-99981] 23 p3885 N91-31683
REMY, S.
Ten micron imaging of Comet Austin
10 p1622 N91-18950
REN, A.
Experiment and theoretical study of the propagation of high power microwave pulse in air breakdown environment
[NASA-CR-188068] 12 p1884 N91-20360
REN, JIE
Expert system training and control based on the fuzzy relation matrix
[NASA-CR-188605] 17 p2831 N91-25641
REN, ZHAOXING
Investigation on the projection by a Z-pinch discharge
[DE90-637548] 02 p0275 N91-11544
REN, ZHONGSHU
Titanium alloy integrated centrifugal impeller 5 coordinate computer assisted manufacturing technology
[AD-A234797] 18 p2954 N91-26300
RENATOPARADELLA, WALDIR
Spot 1: Imagery in geologic mapping: A comparative study with several remote sensing products in the Curaca River Valley, Bahia
[INPE-5136-PRE/1624] 13 p2108 N91-21608
Remote sensing and digital processing of geological images
[INPE-4828-PRE/1459] 22 p3696 N91-30580
RENAUD, EARL W.
Computational study of three dimensional viscous flow through a turbine cascade using a multi-domain spectral technique 13 p2012 N91-21066
RENBARGER, V. L.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
RENDELL, ALISTAIR P.
Comparison of the quadratic configuration interaction and coupled cluster approaches to electron correlation including the effect of triple excitations
[NASA-CR-187855] 08 p1221 N91-16727
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3
[NASA-TM-103391] 08 p1221 N91-16728
RENDER, M. E. J.
S87 close air support aircraft fatigue analysis
[ETN-91-98854] 11 p1649 N91-19093
RENDINE, MICHAEL
Securing America's access to space
[DE91-000412] 04 p0488 N91-12713
RENFEW, WILLIAM
Scientific and engineering research facilities at universities and colleges, 1990
[PB90-272006] 09 p1424 N91-17837
RENGARAJAN, T. N.
Far-infrared observations of Circinus and NGC 4945 galaxies 05 p0740 N91-14131
Radio continuum and far-infrared emission of spiral galaxies: Implications of correlations
05 p0744 N91-14147
Dust in a few southern H II regions
06 p0895 N91-14943
Distribution of dust in W31 complex
06 p0895 N91-14944
Type of silicate feature in oxygen rich stellar envelopes 06 p0910 N91-15024
RENK, THOMAS
Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121
RENKO, KARI
Evaluation of the ZONA51D program
[REPT-B-28] 01 p0005 N91-10025
RENNE, D. S.
Atmospheric source-receptor relationships: Concepts and terminology
[DE91-001033] 06 p0843 N91-14656
RENO, CHARLES J.
Implementation of control point form of algebraic grid-generation technique
[NASA-TM-103748] 11 p1642 N91-19054
RENO, J. L.
Optical characterization of CdZnTe/CdTe strained quantum wells
[DE90-017036] 02 p0278 N91-11563
RENSCH, D. B.
An experimental study of high Tc superconducting microstrip transmission lines at 35 GHz and the effect of film morphology
[NASA-TM-103633] 03 p0356 N91-11988
RENSCHLER, CLIFFORD L.
Solid state radioluminescent sources using zeolites
[DE90-017594] 04 p0590 N91-13296
Solid state radioluminescent sources using zeolites
[DE91-002703] 06 p0880 N91-14857
RENSINK, AREND
Elementary structures of non-atomic events
[MEMO-INF-89-65] 03 p0412 N91-12303
Selection structures
[MEMO-INF-90-71] 22 p3734 N91-30790
Pattern sets
[MEMO-INF-91-24] 22 p3736 N91-30806
RENSINK, M. E.
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
RENTON, J. D.
The general form of the Airy stress function
[OUEL-1837/90] 04 p0538 N91-12983
RENZO, BAVA
Flying qualities experience on the AMX aircraft
15 p2370 N91-23112
RENZOW, D.
Liquid motion in capillary tubes (TEXUS 5)
23 p3822 N91-31323
Bubbles and foams (TEXUS 10) ESA
23 p3823 N91-31324
REO, NICHOLAS V.
Hepatic metabolism of perfluorinated carboxylic acids: A nuclear magnetic resonance investigation
[AD-A232033] 15 p2474 N91-23706
REPAK, PAUL L.
Optical performance analysis of the Precision Optical Research and Tracking Facility (PORTF)
[AD-A235604] 19 p3245 N91-27946
REPENKOVA, L. G.
Changes in rheologic indices of blood and hemodynamics during 14-day antiorthostatic hypokinesia
18 p3023 N91-26692
REPH, MARY G.
Climate data system supports FIRE
01 p0075 N91-10455
NASA's climate data system primer, version 1.2
[NASA-TM-105063] 22 p3766 N91-30995
REPHAELI, Y.
On the origin of extinction in the Coma cluster of galaxies 06 p0902 N91-14987
REPIC, ED
Mission and transportation systems uses of in-situ derived propellants 17 p2913 N91-26080
REPIN, A. A.
Ocular-vestibular-motor interactions in experimental labyrinth asymmetry 22 p3715 N91-30676
REPPERGER, DANIEL W.
Subjective responses to positive pressure breathing under sustained high-G using the combat edge system
[AD-A230019] 12 p1928 N91-20610
A spatial disorientation predictor device to enhance pilot situational awareness regarding aircraft attitude
12 p1947 N91-20710
Quantifying performance degradation due to the human-machine interface of telemanipulators
[AD-A232814] 15 p2478 N91-23723
REPTON, A. S.
An 8 bit high performance ADC in silicon on sapphire
24 p3992 N91-32302
RESCH, F.
Evaluation of airborne and settled particulate contamination in a controlled environment for spacecraft testing and molecular contamination measurements during spacecraft thermal vacuum tests
07 p0961 N91-15289
RESCHKE, M. F.
Postural changes following sensory reinterpretation as an analog to spaceflight 11 p1748 N91-19610
Standardization of motion sickness induced by left-right and up-down reversing prisms 11 p1748 N91-19611
RESCIA, S.
Radiation damage testing of transistors for SSC front-end electronics
[DE91-005440] 09 p1328 N91-17294
Radiation damage studies on hybrid preamplifiers
[DE91-008411] 11 p1699 N91-19359
Monolithic radiation hard charge sensitive preamplifier using junction field effect transistors
[DE91-008437] 11 p1699 N91-19360
RESENDES, D.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
RESHETNIKOV, V. P.
The polar-ring galaxies NGC 2685 and NGC 3808B (VV 300) 08 p1252 N91-16892
RESHOTKO, E.
Experimental study of boundary layer transition on a heated flat plate
[NASA-TM-103779] 13 p2011 N91-21061
RESHOTKO, ELI
Naturally occurring and forced azimuthal modes in a turbulent jet
[NASA-TM-103692] 09 p1273 N91-17000
Experimental study of boundary layer transition with elevated freestream turbulence on a heated flat plate
[NASA-CR-187068] 09 p1337 N91-17341
Control of an axisymmetric turbulent jet by multi-modal excitation
[NASA-TM-104483] 18 p2922 N91-26121
An experimental study of natural and forced modes in an axisymmetric jet
[NASA-TM-105225] 24 p3949 N91-32074
RESING, J.
Strong law and central limit theorem for a process between maxima and sums
[REPT-90-35] 07 p1058 N91-15818
RESINK, AREND
Non-atomic events and event hierarchies
[MEMO-INF-90-63] 10 p1588 N91-18756
RESLER, D. A.
Evaluation of charged-particle reactions for fusion applications
[DE91-014135] 20 p3419 N91-28962
RESNEAU, J. CLAUDE
The T/R modules for phased-array antennas
07 p0942 N91-15165
RESNICK, J.
Laboratory simulation of high-altitude disruptive effects
10 p1553 N91-18542

RESPONDEK, W.
Transformations of nonlinear systems into input-output prime form
[MATHS-MEMO-896] 10 p1581 N91-18705
RESSELL, M. TED
Axions and SN 1987A: Axion trapping
[NASA-CR-186467] 05 p0713 N91-13976
Limits to the radiative decay of the axion
[NASA-CR-188702] 22 p3752 N91-30916
RESSLER, SANDY
An overview of the product data hyperstandard CD-ROM prototype
[PB91-132258] 16 p2666 N91-24747
RESTINE, PAUL M.
Hot electron stress testing of submicron transistors
[AD-A231518] 14 p2259 N91-22497
RETELLE, JOHN P., JR.
The pilot's associate: Exploiting the intelligent advantage 17 p2731 N91-25122
REUSCH, M. F.
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981
REUSS, R. L.
A hypersonic research vehicle to develop scramjet engines 10 p1482 N91-18167
REUSS, ROBYN
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
REUTER-LORENZ, P. A.
Multimodal interactions in sensory-motor processing
[AD-A229111] 09 p1372 N91-17540
REUTER, D.
Infrared spectroscopy of comets
12 p2004 N91-21026
REUTER, DENNIS C.
Infrared remote sensing of cometary parent volatiles from the ground, air, and space
17 p2895 N91-26003
The contribution of methanol to the 3.4 micron feature in comets 17 p2896 N91-26005
REUTER, LAURIE
Background simulation and filter design using iterated function systems
[AD-A232632] 15 p2420 N91-23405
REUTER, M.
Characterizing and improving the performance of the MVDR processor
[AD-A231928] 14 p2267 N91-22545
REUTER, R. C., JR.
Mechanical stress states in heterogeneous, wound rolls
[DE91-009257] 15 p2444 N91-23537
Stress states in wound capacitors
[DE91-016402] 24 p4006 N91-32400
REUTER, RENATE
A Moller polarimeter for the extracted ELSA-ray
[BONN-IR-90-42] 08 p1222 N91-16731
REUTER, W. G.
Review of ASTM symposium on surface crack growth: Models, experiments, and structures
[AD-A230645] 12 p1914 N91-20529
REUTHER, JAMES J.
Definition of experiments to investigate fire suppressants in microgravity
[NASA-CR-185295] 06 p0792 N91-14378
REUTOV, ALEXANDER P.
The national- and international-wide prospects of future improvements of position location and time synchronization systems and aids
17 p2858 N91-25800
REVANKAR, S. T.
Measurement of interfacial area using four sensor probe in two phase flow
[DE91-017415] 24 p4018 N91-32466
REVANKAR, VITHAL
Synthesis of high performance ceramic fibers by chemical vapor deposition for advanced metallics reinforcing
[NASA-CR-185384] 19 p3136 N91-27328
Synthesis of multifilament silicon carbide fibers by chemical vapor deposition
[NASA-CR-188725] 21 p3485 N91-29331
REVELL, J. D.
Soviet atmospheric acoustics research
15 p2500 N91-23848
REVERCOMB, H. E.
Multi-spectral window radiance observations of Cirrus from satellite and aircraft, November 2, 1986 Project FIRE 01 p0078 N91-10465
REVIS, NATHANIEL
Importance of biological systems in industrial waste treatment potential application to the space station
07 p1080 N91-15943
REW, J.
Workshop on the Online Documentation in the Supercomputing Environment, Working Paper Conference
[PB91-164772] 19 p3217 N91-27779
REWOLDT, G.
Diagonal and off-diagonal anomalous transport coefficients in tokamaks 10 p1598 N91-18818
REXROTH, DAVID T.
Optimal combining of ground-based sensors for the purpose of validating satellite-based rainfall estimates
[NASA-CR-188185] 14 p2291 N91-22669
REY, CHARLES A.
Some considerations for various positioning systems and their science capabilities 13 p2065 N91-21372
Development of high temperature containerless processing equipment and the design and evaluation of associated systems required for microgravity materials processing and property measurements
[NASA-CR-184158] 16 p2629 N91-24558
REY, SOO-JONG
Angular momentum of an electric charge and magnetically charged black hole
[DE91-005040] 09 p1427 N91-17856
REYES, A. P.
Copper NMR and hole depletion in the normal state of Y(1-x)Pr(x)Ba2Cu3O7
[DE90-016468] 01 p0130 N91-10768
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959
REYES, F.
A catalog of high resolution Jovian decametric radio noise burst spectra, volume 1 18 p3083 N91-27047
REYES, FRANCISCO JOSE
Observations of pulsars at low radio frequencies
02 p0287 N91-11614
REYES, J. N., JR.
The effects of fluid particle interactions on interfacial transfer and flow structure
[DE91-016409] 23 p3868 N91-31575
REYMANN, WOLFGANG
Manufacture of containers from an oriented biopolymer 24 p4115 N91-32999
REYNOLDS, A. P.
Constant amplitude and post-overload fatigue crack growth behavior in PM aluminum alloy AA 8009
[NASA-TM-104132] 22 p3643 N91-30275
REYNOLDS, GEORGE T.
Development and application of photosensitive device systems to studies of biological and organic materials
[DE91-005130] 10 p1558 N91-18568
REYNOLDS, HUGH M.
Development of the ORBUS(R) 1 carbon fiber/epoxy motor case for the STARS/STARBIRD programs
16 p2576 N91-24277
REYNOLDS, J. F.
Modeling the response of plants and ecosystems to global change
[DE91-017403] 24 p4042 N91-32587
REYNOLDS, J. K.
A novel electron tunneling infrared detector
06 p0795 N91-14391
Electron tunnel sensor technology
14 p2362 N91-23067
REYNOLDS, J. R.
Interaction of cationic polypeptides with electroactive polypyrrole/poly(styrenesulfonate) and poly(N-methylpyrrole)/poly(styrenesulfonate) films
[AD-A234469] 18 p2947 N91-26258
REYNOLDS, JOHN M.
Atomic oxygen stimulated outgassing
16 p2715 N91-25026
REYNOLDS, JOHN R.
Electronic and ionic transport in processable conducting polymers
[AD-A227857] 08 p1120 N91-16154
Electronic and ionic transport in processable conducting polymers
[AD-A231293] 13 p2057 N91-21321
Electroactive, near infrared absorbing nickel bis(dithiolene) complex polycarbonates and polyurethanes
[AD-A234595] 18 p2962 N91-26350
Processable polymers and copolymers of 3-alkylthiophenes and their blends
[AD-A234596] 18 p2962 N91-26351
Electronic and ionic transport in processable conducting polymers
[AD-A234597] 18 p2963 N91-26352
Surface characterization of electrically conducting nickel tetrathiooxalate/poly(vinyl alcohol) composites
[AD-A234598] 18 p2963 N91-26353
Electrochemically induced charge and mass transport in polypyrrole/poly(styrene sulfonate) molecular composites
[AD-A234599] 18 p2963 N91-26354
Electronic and ionic transport in processable conducting polymers
[AD-A238175] 21 p3489 N91-29362
REYNOLDS, L. D.
Measurement of thermal plasma jet temperature and velocity by laser light lineshape analysis
[DE91-010053] 19 p3247 N91-27959
REYNOLDS, MIKE
Operational evaluation of initial data link air traffic control services. Volume 2: Appendices
[DOT/FAA/CT-90/1-VOL-2] 01 p0006 N91-10033
REYNOLDS, NATHANIEL
Theoretical and experimental studies of baroclinic processes 08 p1184 N91-16512
REYNOLDS, R. T.
Sublimating icy planetesimals as the source of nucleation seeds for grain condensation in classical novae
06 p0908 N91-15016
Sublimating comets as the source of nucleation seeds for grain condensation in the gas outflow from AGB stars 06 p0909 N91-15018
Planetological implications of mass loss from the early Sun 17 p2898 N91-26017
REYNOLDS, R. W.
Global monthly sea surface temperature climatology
[PB91-129304] 13 p2120 N91-21669
REYNOLDS, ROBERT C.
The importance of momentum transfer in collision-induced breakups in low Earth orbit
12 p1950 N91-20730
REYNOLDS, SCOT
Novel chemical and optical diagnostic techniques
[AD-A235587] 19 p3124 N91-27256
REYNOLDS, THOMAS L.
Aircraft Command in Emergency Situations (ACES). Phase 1: Concept development
[DOT/FAA/CT-90/21] 15 p2367 N91-23097
REYNOLDS, W. C.
Turbulent reacting flows and supersonic combustion
[AD-A236759] 19 p3128 N91-27280
REYNOLDS, W. H.
Evaluation of night vision goggles for maritime search and rescue
[AD-A233798] 18 p3035 N91-26751
Evaluation of night vision goggles for maritime search and rescue. Volume 2: Data appendix
[AD-A229393] 22 p3719 N91-30702
REZ, A. I.
Sterile neutrinos and astrophysical and cosmological constraints on the parameters of the extended electroweak models 06 p0920 N91-15083
REZEAU, L.
Multipoint study of small-scale structures at the magnetopause 01 p0071 N91-10432
REZNIKOV, A. E.
On the possibility to support multisatellite measurements of the Cluster mission by single satellite measurements in the Regatta-Cluster project 01 p0071 N91-10428
REZVANI, M. A.
A comparison between classical and substructuring finite-element stress analysis of a complex vacuum vessel shell
[DE91-010035] 15 p2444 N91-23540
RHA, CHOKYUN
Strategies for biopolymer engineering of PHB-like materials
[AD-A239690] 23 p3820 N91-31313
RHATIGAN, JENNIFER L.
On protection of Freedom's solar dynamic radiator from the orbital debris environment. Part 2: Further testing and analyses
[NASA-TM-104514] 22 p3641 N91-30265
RHEA, W. JOSEPH
Bio-optical profile data report coastal transition zone program, R/V Thomas Washington, June 24 - July 21, 1988
[NASA-CR-187808] 08 p1188 N91-16532
Bio-optical profile data report coastal transition zone program, R/V Point Sur, June 15-28, 1987
[NASA-CR-187807] 08 p1188 N91-16533
Bio-optical profile data report: Joint Global Ocean Flux Study, Hawaii Ocean Time-Series, HOT-3, R/V Moana Wave, 6-10 January 1989
[NASA-CR-187805] 08 p1189 N91-16534
RHEAULT, F.
A study of electrolytes for lithium batteries
[INRS-NRG-326-RF] 22 p3869 N91-30428
RHEE, GEORGE
Alignment of cD-galaxies with their surroundings
08 p1252 N91-16895

RHEE, IHNSEOK
A robust momentum management and attitude control system for the space station
[NASA-CR-188115] 12 p1856 N91-20202
Control synthesis based upon a game theoretic approach 15 p2497 N91-23831
RHEE, K. T.
A high-speed multispectra infrared digital video system to measure the reaction fronts of solid propellants
[AD-A233276] 16 p2611 N91-24456
RHEEM, K. S.
Characteristics of autoclave and in-reactor nodular corrosion of Zircaloys
[DE91-013600] 21 p3479 N91-29294
RHEIN, ROBET A.
Lithium combustion: A review
[AD-A238154] 21 p3476 N91-29279
RHEINBOLDT, WERNER C.
On the sensitivity of solutions of parametrized equations
[AD-A234265] 18 p3050 N91-26838
NFEARS: A nonlinear adaptive finite element solver. Part 2: User's manual
[AD-A234416] 18 p3050 N91-26842
A geometric treatment of implicit differential-algebraic equations
[AD-A236991] 19 p3237 N91-27900
RHEINFURTH, M. H.
Methods of applied dynamics
[NASA-RP-1262] 17 p2765 N91-25303
RHIM, J. S.
Chromosomal changes in cultured human epithelial cells transformed by low- and high-LET radiation
[DE91-013772] 20 p3379 N91-28720
RHIM, WON-KYU
Containerless protein crystal growth technology: Electrostatic multidrop positioner
13 p2062 N91-21352
Feedback controlled electrostatic and electromagnetic sample positioners 13 p2065 N91-21370
RHINER, R. W.
Editing graphs for maximum effect
[DE91-006239] 10 p1614 N91-18904
RHOADES, C. E., JR.
Understanding large software systems with the utility XREG
[DE91-007630] 10 p1575 N91-18670
RHODES, ALAN
Technology update of early gas turbine designs
[PNR-90710] 01 p0012 N91-10070
RHODES, C. G.
Research and development for improved toughness aluminides
[AD-A226627] 05 p0636 N91-13524
RHODES, C. T.
Observations of lightning processes using VHF radio interferometry 24 p4062 N91-32695
RHODES, DAVID B.
A synchronous strobed laser light sheet for rotor flow visualization
[NASA-TM-4266] 14 p2267 N91-22540
Synchronous strobe apparatus for flow visualization
[NASA-CASE-LAR-14556-1] 17 p2781 N91-25392
RHODES, MARVIN D.
Analytical and photogrammetric characterization of a planar tetrahedral truss
[NASA-TM-4231] 05 p0627 N91-13473
Clevis joint for deployable space structures
[NASA-CASE-LAR-13898-1] 07 p1010 N91-15544
Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] 19 p3113 N91-27199
RHODES, PERCY
Drop deployment system for crystal growth apparatus
[NASA-CASE-MFS-28422-1] 09 p1320 N91-17250
RHODES, PERCY H.
A new approach to electrophoresis in space
11 p1755 N91-19653
RHODES, R. P.
Potential application of magnetohydrodynamic acceleration to hypersonic environmental testing
[AD-A225678] 04 p0585 N91-13263
RHODES, RUSSEL
A white paper: Operational efficiency. New approaches to future propulsion systems 20 p3291 N91-28197
RHODES, T. L.
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947
RHODES, WILLIAM C.
Selective excitation, relaxation, and energy channeling in molecular systems
[DE90-010793] 08 p1220 N91-16717
RHODESIDE, GLENN R.
Fundamentals and methods of high angle-of-attack flying qualities research
[AD-A235994] 19 p3104 N91-27151
RHODY, HARVEY E.
Northeast Artificial Intelligence Consortium (NAIC). Volume 8: Artificial intelligence applications to speech recognition
[AD-A234887] 18 p3047 N91-26822
Northeast Artificial Intelligence Consortium (NAIC). Volume 16: Intelligent signal processing techniques for multi-sensor surveillance systems
[AD-A234895] 18 p3048 N91-26830
RHYS-JONES, T. N.
Applications of thermally sprayed coating systems in aero engines
[PNR-90750] 01 p0012 N91-10072
RIBAUD, YVES
Compact heat exchanger for an inverse components engine 15 p2377 N91-23157
RIBE, F. L.
Experiments on linear high beta helical axis stellarators to study simulated toroidal effects and Alfven-wave heating
[DE90-016122] 01 p0125 N91-10738
RIBEIRO, DINIS AFONSO
The Berlenga underwater survey project
15 p2451 N91-23577
RIBEIRO, EDSON A.
Restoration of solar radio images: Evaluation of poor conditions and resolution by regularization techniques
[INPE-4557-PRE/1298] 05 p0646 N91-13587
RIBEIRODOSSANTOS, ATHOS
Volcanic-sedimentary sequence of the Greenstone Belt type in the Santa Rita or Goias elevation: An approach with TM-Landsat data
[INPE-5178-PRE/1647] 13 p2109 N91-21610
RICART, RICHARD
Speech coding and compression using wavelets and lateral inhibitory networks
[AD-A230499] 12 p1885 N91-20362
RICCI, F.
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585
RICCIARDI, ALETA M.
Using process groups to implement failure detection in asynchronous environments
[NASA-CR-187978] 10 p1574 N91-18663
RICCO, A. J.
Multiple-frequency SAW devices for chemical sensing and materials characterization
[DE91-010856] 18 p3057 N91-26888
Using quartz crystal microbalances to simultaneously sense mass accumulation and solution properties
[DE91-011501] 21 p3518 N91-29537
RICCO, ANTONIO J.
Multiple-frequency surface acoustic wave devices as sensors
[DE90-009972] 08 p1213 N91-16675
Utilization of polymer viscoelastic properties in acoustic wave sensor applications
[DE90-010534] 08 p1213 N91-16676
RICE, A. L.
Station data for the IOS benthic biological survey of the Porcupine Seabight region (NE Atlantic) 1977-1989
[IOS-281-1991] 22 p3712 N91-30663
RICE, BETSY M.
Classical dynamics studies of unimolecular decomposition of nitromethane
[AD-A232867] 16 p2682 N91-24850
RICE, C. KEITH
Initial parametric results using CYCLEZ: A LMTD-specified, Lorenz-Meutzner cycle refrigerator-freezer model
[DE90-010146] 08 p1123 N91-16175
RICE, EDWARD J.
Naturally occurring and forced azimuthal modes in a turbulent jet
[NASA-TM-103692] 09 p1273 N91-17000
Control of an axisymmetric turbulent jet by multi-modal excitation
[NASA-TM-104483] 18 p2922 N91-26121
An experimental study of natural and forced modes in an axisymmetric jet
[NASA-TM-105225] 24 p3949 N91-32074
RICE, ERIC E.
Overview of European and other non-US/USSR/Japan launch vehicle and propulsion technology programs
20 p3295 N91-28221
RICE, J.
Urban air toxics monitoring program, 1989
[PB91-148262] 17 p2806 N91-25513
RICE, J. E.
He-like spectra through charge exchange processes in tokamak plasmas
[NIFS-69] 11 p1802 N91-19894
RICE, J. K.
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919
RICE, JAMES P.
Expert systems on multiprocessor architectures. Volume 1: Summary
[AD-A238046] 21 p3560 N91-29786
Expert systems on multiprocessor architectures. Volume 2: Technical reports
[AD-A238047] 21 p3560 N91-29787
Expert systems on multiprocessor architectures, volume 3
[AD-A238048] 21 p3560 N91-29788
Expert systems on multiprocessor architectures, volume 4
[AD-A238049] 21 p3560 N91-29789
RICE, ROBERT F.
Algorithms for a very high speed universal noiseless coding module
[NASA-CR-187974] 11 p1775 N91-19733
On the optimality of code options for a universal noiseless coder
[NASA-CR-187973] 11 p1775 N91-19734
RICE, ROY W.
Reaction processing of ceramic particulate and whisker composites
[AD-A234951] 18 p2941 N91-26225
RICH, ARTHUR
The 12th International Conference on Atomic Physics
[AD-A234876] 19 p3240 N91-27919
RICH, F. J.
Patterns of discoloration and oxidation by direct and scattered fluxes, especially oxygen on silicon
16 p2717 N91-25043
RICH, M.
Experimental investigation of meteor burst footprints
22 p3659 N91-30369
RICH, M. A.
Environmental conditions in the Gulf of Mexico during November-December
[AD-A229384] 22 p3708 N91-30638
RICHARD, J. C.
Laser-boosted lightcraft technology demonstrator
14 p2201 N91-22156
RICHARD, JACQUES CONSTANT
Analysis of pulsed laser-generated impulse in an advanced airbreathing thruster 01 p0011 N91-10062
RICHARD, M. A.
Measurement techniques for cryogenic Ka-band microstrip antennas
[NASA-TM-105183] 22 p3668 N91-30426
RICHARD, PASCAL
Knowledge based framework for man-system interaction in space control centres 14 p2216 N91-22249
RICHARD, PHILIPPE
Thunderstorm monitoring and lightning warning, operational applications of the Safir system
24 p4049 N91-32619
RICHARD, RALPH M.
Scaling laws for light weight optics, studies of light weight mirrors mounting and dynamic mirror stress, and light weight mirror and mount designs
[NASA-CR-187368] 03 p0417 N91-12335
RICHARDS, B. G.
Direct gas injection with glow plug ignition
[PB91-136390] 15 p2397 N91-23272
RICHARDS, D. R.
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Defects, oxygen ordering and properties of La-Cu-O and Ba-Bi-O superconductors
[DE91-008811] 12 p1992 N91-20967
RICHARDS, ELIZABETH H.
Reliability of photovoltaic concentrator modules
[DE90-012754] 06 p0842 N91-14651
Photovoltaic concentrator module reliability: Failure modes and qualification
[DE91-004290] 09 p1356 N91-17447
RICHARDS, KERRY T.
Hot isostatic pressing of superconducting ceramics
[AD-A230355] 12 p1874 N91-20297
RICHARDS, M. C.
RSRM-13 (360Q013) ballistics mass properties flight designation STS-41
[NASA-CR-184092] 09 p1301 N91-17139
RSRM-11 (36OW011) ballistics mass properties (STS-35)
[NASA-CR-184107] 12 p1858 N91-20203

RICHARDS, P. G.
Properties of large scale plasma flow during the early stage of the plasmaspheric refilling
[NASA-TM-103446] 01 p0073 N91-10441
Neutral winds derived from IRI parameters and from the HWM87 wind model for the sundial campaign of September, 1986
[NASA-TM-103445] 01 p0093 N91-10543
RICHARDS, P. L.
Design analysis of a novel low temperature bolometer
[DE91-005291] 10 p1526 N91-18404
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011894] 18 p3071 N91-26973
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011826] 18 p3075 N91-26991
Superconducting bolometers: High-T(sub c) and low-T(sub c)
[DE91-011830] 20 p3424 N91-28992
The effect of the quantum susceptance on the gain of superconducting quasiparticle mixers
[DE91-012352] 20 p3429 N91-29021
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
RICHARDS, P. M.
Depth profiles for hydrogen-assisted thermal donor formation in silicon
[DE91-015719] 23 p3931 N91-31971
RICHARDS, PAUL L.
Fabrication of sensitive high Tc bolometers
06 p0794 N91-14389
A rocket-borne measurement of interstellar dust emission at high galactic latitude
06 p0900 N91-14976
Fabrication of an infrared bolometer with a high Tc superconducting thermometer
[DE91-005210] 09 p1339 N91-17355
Fabrication and measurement of high Tc superconducting microbolometers
[DE91-005234] 09 p1411 N91-17767
Recent developments in superconducting receivers
[DE91-005402] 09 p1411 N91-17768
Far infrared all-sky survey
[NASA-CR-186437] 09 p1425 N91-17846
RICHARDS, PETER M.
Kinetics of molecular beam epitaxy: Effect of ion-induced sputtering
[DE91-004511] 06 p0813 N91-14493
RICHARDS, R. K.
Initial calorimetry experiments in the Physics Divsion, ORNL (Oak Ridge National Laboratory)
[DE90-010301] 08 p1226 N91-16756
RICHARDS, STEPHEN FRENCH, JR.
The design, development, and evaluation of an extended relational database architecture for electronic meeting systems 09 p1420 N91-17814
RICHARDS, STEVE
Liquid rocket engine flight certification
20 p3299 N91-28250
RICHARDS, WHITMAN
Representations in mental models
[AD-A229401] 22 p3718 N91-30696
RICHARDSON, BRUCE C.
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193
RICHARDSON, DAVID E.
Micro-mechanical analysis of damage growth and fracture in discontinuous fiber reinforced metal matrix composites
[NASA-CR-187020] 01 p0021 N91-10126
Micro-mechanical analysis of damage growth and fracture in discontinuous fiber reinforced metal matrix composites
[NASA-CR-188206] 16 p2589 N91-24346
RICHARDSON, JAMES A.
The effect of friction in the hold down post spherical bearings on hold down post loads
10 p1633 N91-19006
RICHARDSON, K.
Satellite cloud analyses: A nowcasting capability for the US Navy's TESS(3)
[AD-A231120] 13 p2122 N91-21676
Tactical Environmental Support System (TESS(3)) satellite cloud analyses
[AD-A231247] 13 p2122 N91-21681
RICHARDSON, PAMELA F.
Hypersonic CFD applications at NASA Langley using CFL3D and CFL3DE 02 p0150 N91-10874
NASA Aerodynamics Program
[NASA-TM-4312] 23 p3897 N91-31751
RICHARDSON, R. A.
Performance of a 10 kV, 625 kA, 85 kJ energy discharge module utilizing a solid dielectric switch
[DE91-017432] 24 p4008 N91-32409
RICHER, MICHAEL G.
Polarization in the Lagoon nebula
05 p0753 N91-14193
RICHEY, G. K.
Aerodynamics of combat aircraft controls and of ground effects
[AGARD-AR-271] 24 p3950 N91-32082
RICHMOND, G.
Monitoring interfacial dynamics by pulsed laser techniques
[DE91-016950] 24 p4023 N91-32485
RICHMOND, G. L.
A comparative second harmonic study of Cu(111) in UHV and in solution
[AD-A237023] 20 p3337 N91-28479
Structure and stability of underpotentially depositied layers on Au(111) studied by optical second harmonic generation
[AD-A237087] 21 p3474 N91-29268
RICHMOND, HARVEY M.
Ozone dosimetry predictions for humans and rats
[PB91-113852] 09 p1361 N91-17479
RICHMOND, PAUL W.
Heat transfer from water flowing through a chilled-bed open channel
[AD-A226855] 08 p1142 N91-16286
RICHNER, HANS
Summary of aircraft measuring activities at LAPETH
14 p2289 N91-22661
RICHOILLEY, G.
Growth rate of bacteria without and with antibiotic at different levels of gravity 11 p1751 N91-19632
RICHTER, D.
Kinetic energy of hydrogen in beta-V2H studied by neutron Compton scattering
[DE91-006589] 10 p1501 N91-18261
RICHTER, H.
Investigations on the interface and mechanical properties of composites based on non impregnated carbon fibre reinforced thermoplastic preforms
[MBB-Z-0298-90-PUB] 04 p0497 N91-12757
Assessment of the reliability of windows of vacuum vessels 07 p0952 N91-15233
Assessment of the reliability of windows of vacuum vessels 07 p0952 N91-15233
RICHTER, HARTWIG
Optical far-field measurements of extremely high dynamic to investigate the roughness of front faces of single-mode fiber connectors
[FI-452-TB-67] 02 p0270 N91-11517
RICHTER, HERBERT P.
All hot spots are not equal
[DE91-002303] 05 p0644 N91-13573
RICHTER, J.
Ultrasound absorption in molten salts (TEXUS 14b)
23 p3830 N91-31359
Ultrasound absorption in molten salts (TEXUS 17) ESA 23 p3830 N91-31360
Ventilation and filling of an optical diffusion cell (TEXUS 8) 23 p3832 N91-31371
RICHTER, JUERGEN H.
Radio wave propagation modeling, prediction and assessment
[AGARD-AG-326] 13 p2070 N91-21404
RICHTER, KAREN J.
Concurrent engineering teams. Volume 2: Annotated bibliography
[AD-A236094] 19 p3145 N91-27383
Concurrent engineering teams. Volume 1: Main text
[AD-A236093] 19 p3259 N91-28024
RICHTER, O.-G.
NGC 3312: A victim of ram pressure sweeping
05 p0750 N91-14177
RICHTER, PETER
Design and first tests of individual blade control actuators
[MBB-UD-0577-90-PUB] 11 p1648 N91-19087
RICHTER, SCOTT W.
Technology development of fabrication techniques for advanced solar dynamic concentrators
[NASA-CR-187156] 19 p3115 N91-27211
RICHWINE, DAVID M.
F-18 high alpha research vehicle surface pressures: Initial in-flight results and correlation with flow visualization and wind-tunnel data
[NASA-TM-101724] 11 p1641 N91-19051
In-flight flow visualization characteristics of the NASA F-18 high alpha research vehicle at high angles of attack
[NASA-TM-4193] 12 p1830 N91-20055
RICKARD, L. J.
Observations of the galactic plane by the zodiacal infrared project 05 p0743 N91-14143
RICKEL, D. G.
High-current relativistic klystron amplifier development for microsecond pulse lengths
[DE91-011409] 17 p2771 N91-25332
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955
RICKER, R. E.
The influence of water on the mechanical properties of a glass-epoxy matrix composite
[AD-A231778] 14 p2240 N91-22389
The influence of moisture and pressure on the mechanical properties of a glass-epoxy matrix composite and a graphite-epoxy matrix composite
[AD-A239509] 23 p3808 N91-31242
RICKERBY, D. S.
The hardness and elastic modulus of TiN films as determined by ultra-low load indentation
[DE91-006336] 09 p1315 N91-17219
RICKETTS, RODNEY H.
NASP aeroservothermoelasticity studies
[NASA-TM-104058] 19 p3100 N91-27127
Structural dynamic and aeroelastic considerations for hypersonic vehicles
[NASA-TM-104110] 19 p3101 N91-27133
RICKMAN, DOUG
A superior edge preserving filter with a systematic analysis
[NASA-TM-4311] 19 p3231 N91-27862
RICKMAN, DOUGLAS
End-to-end remote sensing at the Science and Technology Laboratory of John C. Stennis Space Center
17 p2797 N91-25473
RICKMAN, J. M.
Molecular-dynamics study of grain-boundary migration in metals
[DE90-017856] 02 p0197 N91-11104
Calculation of free energy from the internal-energy distribution function
[DE90-011111] 08 p1232 N91-16791
RICKS, GLENN A.
Flight motor set 360T004 (STS-30R). Volume 1: System overview
[NASA-CR-184187] 22 p3641 N91-30263
RICKS, WENDELL
Information management 02 p0166 N91-10961
RICLES, JAMES M.
Development of load-dependent Ritz vector method for structural dynamic analysis of large space structures
18 p3096 N91-27111
RICOY, MARK A.
Analytical solutions with Generalized Impedance Boundary Conditions (GIBC) 06 p0811 N91-14477
RIDDLE, PATRICIA
Knowledge repositories for multiple uses
14 p2317 N91-22797
RIDDLE, R. A.
Design calculations for the microchannel heatsink
[DE91-008730] 14 p2265 N91-22534
RIDGWAY, STEPHEN
Interferometry 24 p4119 N91-33022
RIDGWAY, W.
Radiative control on tropical convective boundary layer equilibrium 01 p0083 N91-10493
RIDING, G. H.
Synthesis and structure of small-molecule cyclic phosphazenes bearing ortho-substituted aryloxy and phenoxy substituents
[AD-A234377] 18 p2961 N91-26344
RIDLON, R.
Time-resolved emittance measurements of an excimer-laser-driven metal photocathode
[DE91-013066] 20 p3351 N91-28558
RIDLON, R. N.
REX: A 5-MV pulsed-power source for driving high-brightness electron beam diodes
[DE91-014604] 21 p3503 N91-29443
RIEBEEK, H.
MRVS: A system for measuring, recording and processing flight data
[NLR-MP-88034-U] 22 p3619 N91-30135
RIECK, U.
Insert technology: Re-evaluation of the potting procedure 03 p0329 N91-11832
RIECK, WOLFGANG
Real time classification of ions in space
[ETN-90-98195] 04 p0586 N91-13273
RIED, ROBERT C.
Assured crew return vehicle
[NASA-CASE-MSC-21536-1] 05 p0629 N91-13483

RIEDEL, P. S.
Correlative studies between spectral responses and weathering indices of alternate weathered cover
[INPE-5176-PRE/1645] 13 p2110 N91-21618
RIEDER, ANDREAS
Approximation properties of wavelet transforms
[ETN-91-98922] 11 p1786 N91-19799
RIEDESEL, J.
Space station automation of common module power management and distribution, volume 2
[NASA-CR-184035] 04 p0495 N91-12748
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195
RIEDIGER, SIEGFRIED
Examination of a turbulence structure in a plane mixing layer and behind a channel enlargement for the flow of two non Newtonian fluids
[ETN-90-98193] 04 p0524 N91-12916
RIEDL, CHRISTIAN
Assessment of the system reliability of modern communications satellite clusters
[MBB-UK-0033-89-PUB] 04 p0513 N91-12852
RIEDLER, W.
Possibilities of charged particle injection from spacecraft for active diagnostics of the surrounding plasma and active spacecraft potential control 01 p0072 N91-10437
RIEGER, D.
Application of non-cyanide gold for selective plating of microelectronic circuits
[DE91-007729] 11 p1683 N91-19276
RIEGER, ROLF
Withstanding voltage degradation of EEE components due to cavity pressure loss 24 p3993 N91-32313
Total dose characterization of new components for the ESA radiation effects database
24 p4000 N91-32362
RIEGLER, JOSEPH T.
A field evaluation of the compatibility of the protective integrated hood mask with ANVIS night vision goggles
[AD-A230237] 13 p2129 N91-21718
RIEKE, G. H.
Are bars essential for starbursts in non-interacting galaxies 05 p0756 N91-14208
RIEKE, P. C.
Synthetic surfaces as models for biomineralization substrates
[DE91-005182] 10 p1505 N91-18282
Biomimetic thin film deposition
[DE91-012485] 20 p3425 N91-28999
RIEKS, ANSGAR
Algorithm aided evaluation of directional signals
[ETN-90-97902] 02 p0203 N91-11138
RIEMERSMA, H.
Evaluation of electromagnetic and electrothermal launchers for the BRL advanced test facility
[AD-A229661] 12 p1851 N91-20176
RIES, JOHN CHARLES
Simulation of an experiment to measure the Lense-Thirring precession using a second Lageos satellite 03 p0319 N91-11784
RIESENHUBER, HEINZ
Twenty-five years of European space travel
04 p0491 N91-12726
RIESTER, J. E.
Development of a perturbation generator for vortex stability studies
[NASA-CR-188051] 11 p1703 N91-19379
RIETHMULLER, M.
Low level turbulence detection by a laser velocimetry technique: Application to transonic flows
[AAAF-NT-89-07] 23 p3784 N91-31101
RIETSCHA, E. R.
The ADAMS interactive interpreter
[DE91-014345] 20 p3438 N91-29080
RIETVELD, MICHAEL T.
VLF, ELF, and ULF wave research using the Tromso heating facility 10 p1547 N91-18512
RIFFE, SCOTT E.
A conservative approach to parallelizing the Sharks World simulation
[NASA-CR-187440] 01 p0108 N91-10629
RIFKIN, ADAM
Performance effects of irregular communications patterns on massively parallel multiprocessors
[NASA-CR-187514] 13 p2130 N91-21724
RIFKIN, STAN
Software engineering process group guide
[AD-A235784] 19 p3223 N91-27814
RIGAUD, V.
Evaluation of multisensor fusion scheme for the localization of underwater remotely operated vehicles
15 p2453 N91-23590
RIGBY, D. L.
Increased heat transfer to a cylindrical leading edge due to spanwise variations in the freestream velocity
[NASA-TM-104464] 16 p2591 N91-24359
RIGGINS, DAVID W.
Numerical simulation of transverse fuel injection
13 p2017 N91-21097
RIGGLE, PETER
Investigation of axial positioning for flexural compressors
[NASA-CR-185711] 18 p2996 N91-26544
RIGHETTI, PIER GIORGIO
Protein purification in multicompartment electrolyzers for crystal growth of r-DNA products in microgravity
11 p1757 N91-19665
RIGHI, J.
Microfilamentary Bi2Sr2Ca1Cu2O8 fibers
[DE90-018013] 02 p0279 N91-11571
RIGHINI, GIOVANNI
Max-linear combinatorial optimization
[REPT-91-005] 22 p3731 N91-30770
RIGHTER, A. W.
Recent advances with quiescent power supply current (I(sub DDQ)) testing at Sandia using the HP82000
[DE91-009254] 15 p2416 N91-23382
RIGNOT, ERIC J. M.
Towards operational multisensor registration
07 p1024 N91-15619
RIJKEN, PHILIP J.
Epidermal growth factor induced signal transduction in A431 cells is influenced by altered gravity conditions
11 p1750 N91-19623
RIJMENANTS, ELZA
Laser transit velocimetry: Recent publications
23 p3876 N91-31624
RIJNJA, H. A. J.
Low frequency projectors for sound under water
[FEL-90-A268] 22 p3751 N91-30909
RIKS, E.
The nonlinear analysis part of B2000: A first evaluation
[NLR-TR-88109-U] 14 p2278 N91-22599
RILEY, D. J.
General implementation of thin-slot algorithms into the finite-difference time-domain code, TSAR, based on a slot data file
[DE91-014336] 20 p3387 N91-28767
RILEY, DOUGLAS J.
The inclusion of wall loss in electromagnetic finite-difference time-domain thin-slot algorithms
[DE91-001046] 06 p0819 N91-14524
Numerical modeling tools for transient electromagnetic problems
[DE90-010328] 08 p1124 N91-16180
RILEY, GARY
Advanced CLIPS capabilities
12 p1945 N91-20699
CLIPS: A tool for the development and delivery of expert systems 15 p2535 N91-24043
RILEY, M. F.
Application of multidisciplinary optimization methods to the design of a supersonic transport
[NASA-TM-104073] 15 p2374 N91-23135
RILEY, M. J.
Experimental techniques in helicopter aerodynamics flight research 10 p1461 N91-18058
RILEY, R.
The Los Alamos megamp fiber z-pinch experiment
[DE91-004842] 08 p1229 N91-16777
RILEY, S. J.
Chemical identification of icosahedral structure for cobalt and nickel clusters
[DE90-017688] 02 p0196 N91-11100
Icing research related to engine icing characteristics
23 p3795 N91-31168
The chemistry of transition metal clusters
[DE91-015108] 23 p3810 N91-31250
RILEY, TIMOTHY J.
Long-term performance and propagation measurements on single and tandem digital microwave transmission links. Volume 1: Analysis of measurement data
[PB91-129643] 13 p2069 N91-21396
Long-term performance and propagation measurements on single and tandem digital microwave transmission links. Volume 2: Appendixes
[PB91-129650] 13 p2069 N91-21397
RILEY, WILLIAM J.
Rubidium atomic frequency standards for GPS Block IIR 17 p2852 N91-25771
The physics of the environmental sensitivity of rubidium gas cell atomic frequency standards
17 p2857 N91-25795
RIM, MINJOONG
Reduced degree of freedom minimum variance spectrum estimation
[AD-A226466] 04 p0577 N91-13211
RIMKUS, W. A.
Multi-dimensional computer simulation of MHD combustor hydrodynamics
[DE91-011851] 18 p3067 N91-26946
RIMMER, R. A.
Modes of elliptical waveguides: A correction
[DE90-016647] 01 p0034 N91-10203
RINALDI, SERGIO
On the invertibility of Leslie systems
[REPT-90-006] 05 p0710 N91-13963
RINDT, JOHN R.
Low-temperature plasma technology as part of a closed-loop resource management system
14 p2204 N91-22174
RINGDAL, F.
Application of regional arrays in seismic verification research
[AD-A229926] 12 p1922 N91-20576
RINGEL, EMANUEL IRWIN
A stochastic analysis of state transitions in an air space management system 02 p0169 N91-10980
RINGEL, S.
High efficiency cadmium and zinc telluride-based thin film solar cells
[DE91-002112] 06 p0840 N91-14643
RINGER, MARK
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
RINGER, MARK J.
Autonomous power system intelligent diagnosis and control 14 p2314 N91-22781
RINGERTZ, ULF
A moving boundary algorithm for the solution of contact problems in linear elasticity. Part 1: Basic theory and model examples
[FFA-TN-1991-08-PT-1] 15 p2485 N91-23759
RINGSET, VIDAR
SAW technology for multicarrier demodulation in advanced payloads 13 p2030 N91-21164
RINKER, JACK N.
Hyperspectral imagery: What is it, what can it do
[AD-A231164] 15 p2456 N91-23610
RINO, JOSE PEDRO
Bragg intensities and diffuse scattering in Ag2Se: Molecular dynamics study
[DE90-017811] 02 p0282 N91-11583
RINOIE, KENICHI
Analysis of laminar separation bubbles using a simple eddy-viscosity turbulence model
[NAL-TR-1079] 14 p2263 N91-22520
Velocity measurements inside the leading edge vortex formed on a delta wing
[NAL-TR-1087] 17 p2730 N91-25115
RINSLAND, PAMELA L.
Rewriteable optical disk recorder development
14 p2357 N91-23034
RINTAMAA, RAUNO
Material degradation of steam turbine rotors in long term operations
[VTT-RR-692] 05 p0637 N91-13530
Evaluation of catastrophic failure risk in pressure vessels. Results of pressure vessel test with a large vessel (HC2-test)
[VTT-RR-708] 15 p2446 N91-23551
RIONDINO, G.
Head-down tilt test and space-related endocrine physiology 11 p1748 N91-19614
RIORDAN, C.
SERI Solar Radiation Resource Assessment Project
[DE91-002164] 24 p4040 N91-32575
RIORDAN, C. J.
Photovoltaic advanced research and development project: Solar radiation research
[DE91-002119] 10 p1540 N91-18479
Influences of atmospheric conditions and air mass on the ratio of ultraviolet to total solar radiation
[DE90-000368] 10 p1543 N91-18494
RIOS, E. L.
High efficiency resonance ionization mass spectrometric analysis by external laser cavity enhancement techniques
[DE91-007494] 12 p1867 N91-20259
RIOUX, M.
Theory and computer simulation of the interactional neural network
[NRC-30269] 21 p3562 N91-29800
RIPIN, BARRETT H.
Laboratory simulation of high-altitude disruptive effects
10 p1553 N91-18542
RIPPEL, W. E.
Viability study of photovoltaic systems added to terrestrial electric vehicles
[DE91-007689] 11 p1699 N91-19355
RIPPL, MARTIN
Aeroelastics and dynamics of wind turbines
02 p0159 N91-10923

RISCH, G. A.
Silver sheathing of high-Tc superconductor wires
[DE91-006557] 10 p1605 N91-18858
RISCH, TORE
A mediator architecture for abstract data access
[AD-A227362] 06 p0857 N91-14730
RISEMAN, T. M.
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506
RISHE, NAPHTALI
Semantics of universal languages and information structures in data bases
[ITN-90-85041] 07 p1076 N91-15920
RISSER, S. M.
Defect enhancement of local electric fields in dielectric films
[DE91-008829] 12 p1992 N91-20968
Vibrational frequencies for model silicates: Extensions beyond molecular properties
[DE91-008828] 13 p2055 N91-21310
Contributions of conformational and structural defects to the hyper-polarizabilities of polymers
[DE91-009042] 13 p2056 N91-21313
RISSER, STEVEN M.
Optical properties of inorganic polymers
[DE90-017143] 01 p0030 N91-10179
Effects of in-plane pi prime bonding on electronic transition energies for inorganic polymers
[DE90-017144] 01 p0030 N91-10180
Theoretical calculations of the nonlinear dielectric function of inhomogeneous thin films
[DE90-017186] 01 p0132 N91-10778
Theoretical determination of the nonlinear optical properties of inorganic polymers
[DE91-005183] 09 p1318 N91-17239
RIST, ULRICH
Use of the animated images for the visualization of computational results
[AAAF-NT-89-22] 23 p3913 N91-31849
RISTOW, M. LADLE
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
High-efficiency, radiation-resistant GaAs space cells 11 p1668 N91-19194
Recent advancements in monolithic AlGaAs/GaAs solar cells for space applications 22 p3634 N91-30220
RITCHEY, NATHAN P.
The weighted uni-dimensional similarities problem with least absolute value metric is NP-Hard
[AD-A235060] 18 p3051 N91-26849
RITCHIE, A. G.
Molten salt electrolytes in high temperature batteries
[RAE-TM-MAT/STR-1155] 08 p1134 N91-16241
RITCHIE, BURKE
Wave optics modelling of amplified spontaneous emission
[DE91-006238] 09 p1343 N91-17375
RITCHIE, CHARLES F.
Ventral segmented nozzles
[CA-PATENT-APPL-SN-2-009-636] 23 p3796 N91-31176
RITCHIE, DAVID L.
Wind drag coefficients for octagonal cylinders
[PB91-164475] 19 p3102 N91-27141
RITCHIE, R. O.
Modeling of micromechanisms of fatigue and fracture in hybrid materials
[AD-A225042] 03 p0381 N91-12126
International Conference on Mechanical Fatigue of Advanced Materials
[AD-A233545] 16 p2590 N91-24354
RITS, W. J.
Optical interferometer systems in space: Configuration and structure concepts using space rigidized elements 03 p0327 N91-11819
RITTER, J. C.
The effect of phosphate coatings on fatigue crack initiation in quenched and tempered low alloy steel
[MRL-TR-90-14] 07 p0980 N91-15380
Gamma radiation survey of the LDEF spacecraft 16 p2707 N91-24981
Discovery of Be-7 Accretion in Low Earth Orbit: The 16th Annual AAS Guidance and Control Conference
[AD-A236614] 19 p3112 N91-27195
RITTER, K. J.
Electrooptical quantum wells
[AD-A226102] 04 p0592 N91-13307
RITTI, M. H.
Mechanical characterisation of fibre-matrix interface in ceramic composites by an instrumented indentation test
[REPT-911-430-114] 15 p2395 N91-23256
RITTWEGER, A.
Non-linear vibration of large, imperfect space structures
[MBB-UO-0080-90-PUB] 03 p0320 N91-11788
RITZ, C. P.
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947
A portable and independent edge fluctuation diagnostic
[DE91-014357] 20 p3421 N91-28971
RITZ, CH. P.
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
Detection of coherent structures in the edge of the TEXT tokamak plasma
[DE91-015183] 21 p3588 N91-29958
RITZERT, F. J.
Prospects for ductility and toughness enhancement of NiAl by ductile phase reinforcement
[NASA-TM-103796] 19 p3135 N91-27324
RITZERT, FRANK J.
Thermomechanical and bithermal fatigue behavior of cast B1900 + Hf and wrought Haynes 188
[NASA-TM-4225] 12 p1869 N91-20268
RITZMAN, STEPHEN J.
NASA-Space Station Program 14 p2340 N91-22939
RIVERA, JOSE A., JR.
Transonic shock-induced dynamics of a flexible wing with a thick circular-arc airfoil
[NASA-TM-104088] 20 p3279 N91-28132
Experimental flutter boundaries with unsteady pressure distributions for the NACA 0012 Benchmark Model
[NASA-TM-104072] 20 p3280 N91-28137
RIVERA, L. A.
Habitability: CAMELOT 4 10 p1479 N91-18150
RIVERA, M.
Habitability: CAMELOT 4 10 p1479 N91-18150
RIVERS, M. L.
A tunable x ray microprobe using synchrotron radiation
[DE90-011219] 08 p1148 N91-16322
High-energy synchrotron radiation x ray microscopy: Present status and future prospects
[DE91-016894] 24 p4097 N91-32893
RIVEST, RONALD L.
A fast multiport memory based on single-port memory cells
[AD-A239455] 23 p3907 N91-31811
RIVIERE, D.
Direct influence of chip design and material composition on GaAs/GaAlAs laser diodes reliability 24 p3992 N91-32307
RIZAYEV, N. U.
Method of obtaining phenol-furfural resins
[AD-A233746] 18 p2959 N91-26327
RIZK, M. H.
Aerodynamic optimization by simultaneously updating flow variables and design parameters 10 p1459 N91-18047
RIZK, MAGDI H.
Thin layer Navier-Stokes solutions for transonic multibody interference
[AD-A234252] 24 p3949 N91-32072
RIZK, YEHIA M.
Numerical simulation of F-18 fuselage forebody flows at high angles of attack 02 p0147 N91-10859
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
RIZKALLA, O.
High pressure Mach 10 to 20 electrothermal hypersonic wind tunnel 16 p2578 N91-24288
RIZO, P.
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE90-011092] 08 p1118 N91-16141
Three-dimensional nuclear magnetic resonance and x ray microtomographic imaging of composite materials
[DE91-006477] 10 p1493 N91-18220
RIZVI, MUHAMMAD A.
In vitro regeneration of Basella alba L 19 p3267 N91-28069
RIZVI, NARJIS F.
In vitro regeneration of Basella alba L 19 p3267 N91-28069
RIZZA, ROBERT J.
An object-oriented military simulation baseline for parallel simulation research
[AD-A231030] 13 p2135 N91-21755
RIZZOLI, A.
Identification of model structure via qualitative simulation
[REPT-90-040] 16 p2667 N91-24755
RO, SEUNGHOON
Effect of design parameters on the stability of multimass geared systems supported on fluid film bearings and subjected to unbalance and torsional excitation 03 p0373 N91-12087
ROACH, D. P.
Monitoring structural response in pressurized environments. Part 1: Instrumentation techniques
[DE91-012654] 20 p3360 N91-28616
ROACH, J. F.
Conceptual design and system studies for a 600 kW repetitive pulse transformer
[DE91-010585] 15 p2418 N91-23389
ROACH, M. P.
Vibration control in rotating machinery using variable dynamic stiffness hydrostatic squeeze-films 22 p3686 N91-30521
ROADS, J. O.
Large-scale ocean atmospheric variability associated with hydrological extremes in Western North America
[PB91-159400] 17 p2812 N91-25540
ROBACK, E.
National Aeronautics and Space Administration's (NASA) automated information security handbook
[NASA-CR-186682] 19 p3262 N91-28043
ROBAIDEK, JERROLD O.
Viscoelastic properties of addition-cured polyimides used in high temperature polymer matrix composites
[NASA-TM-103768] 14 p2238 N91-22377
ROBBA, A. A.
Intrinsic neutron source strengths in uranium solutions
[DE91-016091] 23 p3925 N91-31933
ROBBERS, RONALD M. R.
Software metric analysers based on attribute grammars: The metric of Halstead and McCabe for PASCAL and MIRANDA programs
[MEMO-INF-90-88] 22 p3735 N91-30797
ROBBINS, D. J.
Quantum well laser
[AD-A227303] 06 p0831 N91-14594
ROBBINS, DAVID O.
Analysis of retinal function following laser irradiation
[AD-A225021] 03 p0395 N91-12195
ROBBINS, FREDERICK W.
A new high-progressivity/high-density propulsion concept: Partially cut multiperforated stick propellant
[AD-A234255] 18 p2969 N91-26391
Experimental hypervelocity firings using stick and granular propellant configurations
[AD-A238628] 21 p3493 N91-29384
ROBBINS, MICHAEL J.
Ground test program for new Atlas payload fairings 01 p0053 N91-10315
ROBBINS, W. H.
An historical perspective of the NERVA nuclear rocket engine technology program
[NASA-CR-187154] 19 p3116 N91-27216
ROBBINS, WILLIAM E.
Fiber optic microphone
[NASA-CASE-LAR-14402-1-CU] 07 p1068 N91-15874
ROBE, R. Q.
Evaluation of night vision goggles for maritime search and rescue
[AD-A233798] 18 p3035 N91-26751
Evaluation of night vision goggles for maritime search and rescue. Volume 2: Date appendix
[AD-A229393] 22 p3719 N91-30702
ROBERDS, D. W.
Diagnostic measurements on an aluminized propellant plume during spin and nonspin testing
[AD-A232031] 15 p2391 N91-23235
ROBERGE, P.
Techniques to assess the state of health of sealed lead acid batteries
[CTN-91-60214] 23 p3859 N91-31515
ROBERGE, PIERRE R.
A modern approach to battery testing: Infrared thermography and voltage noise measurements
[CTN-91-60215] 22 p3669 N91-30429
ROBERSON, C. W.
Review of free electron lasers
[PB90-255480] 02 p0216 N91-11206
ROBERSON, G. P.
Computed tomography software and standards
[DE91-002573] 05 p0702 N91-13914

Nuclear-spectroscopy computerized tomography scanners
[DE91-008447] 11 p1719 N91-19466
ROBERSTON, S.
Reversed field pinch experiments
[DE91-013643] 20 p3422 N91-28977
ROBERT, CHRISTIAN P.
Capture-recapture models and Bayesian sampling
[AD-A226853] 07 p1060 N91-15833
ROBERT, EMMANUEL
Magnetic sensitivity of on-board quartz oscillators: State of the knowledge
[CNES-CT/DRT/TIT/TF-88/354] 01 p0018 N91-10110
ROBERT, F.
Infrared spectroscopy of a carbon extract from the Orgueil meteorite 10 p1620 N91-18934
ROBERT, M.
Some trends in missile aerodynamics 06 p0772 N91-14279
ROBERT, P.
Accuracy of the estimate of J via multipoint measurements 01 p0070 N91-10422
ROBERTO, V.
EMC verification approach and facility on Columbus Attached Laboratory 07 p0960 N91-15285
ROBERTODOSSANTOS, JOAO
Experiences in assessing changes in the use of savanna ecosystems
[INPE-5187-PRE/1655] 13 p2108 N91-21605
Comparative analysis of AVHRR/NOAA and TM/LANDSAT data in the delimitation of savanna/forest contact area: Preliminary results
[INPE-5200-RPE/639] 13 p2109 N91-21611
Contributions of remote sensing to forest resources management: State of the art and perspectives
[INPE-5248-PRE/1679] 22 p3696 N91-30579
ROBERTS, A. M.
Regional Oxidant Model Multi-Processor (ROMMP)
[PB91-131680] 11 p1736 N91-19547
ROBERTS, A. SIDNEY, JR.
New devices for flow measurements: Hot film and burial wire sensors, infrared imagery, liquid crystal, and piezo-electric model
[NASA-CR-187911] 12 p1900 N91-20450
Convective response of a wall-mounted hot-film sensor in a shock tube 12 p1900 N91-20451
Twenty-five years of aerodynamic research with IR imaging: A survey
[SPIE-1467-59] 12 p1900 N91-20452
ROBERTS, ANDREW C.
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] 06 p0787 N91-14357
ROBERTS, B. A.
Particle physics experiments, 1990
[RAL-91-001] 15 p2505 N91-23877
ROBERTS, BENEDICT C.
Multiple forecasting techniques
[AD-A230600] 12 p1995 N91-20982
ROBERTS, D.
Satellite/control centre interface organisation in the Eutelsat 2 satellite control system 14 p2211 N91-22213
ROBERTS, D. A.
Fixed-head star tracker magnitude calibration on the solar maximum mission 09 p1287 N91-17077
ROBERTS, DONALD E.
Cold-induced changes in arterial sensitivity
[AD-A239493] 23 p3900 N91-31767
ROBERTS, EDWARD F., JR.
Designs for surge immunity in critical electronic facilities 24 p4052 N91-32635
ROBERTS, GARY D.
iCAN sensitivity analysis
[NASA-TM-103667] 07 p0970 N91-15328
ROBERTS, GARY D,
Viscoelastic properties of addition-cured polyimides used in high temperature polymer matrix composites
[NASA-TM-103768] 14 p2238 N91-22377
ROBERTS, GLYN O.
Rotating reactor studies
[NASA-CR-184095] 07 p0987 N91-15421
ROBERTS, J. H.
Benchmark field study of deep neutron penetration
[DE91-015677] 24 p4096 N91-32886
ROBERTS, J. M.
Relationships between PAN and ozone at sites in eastern North America
[DE91-011728] 18 p3007 N91-26607
Methods for determination of low-molecular weight carbonyl compounds in the ambient atmosphere
[DE91-015188] 21 p3538 N91-29656
Sampling of atmospheric carbonyl compounds for determination by liquid chromatography after 2,4-dinitrophenylhydrazine labelling
[DE91-015842] 24 p4042 N91-32585
ROBERTS, JOHN ANTHONY
An investigation of Nova Persei (1901) and its environment 21 p3605 N91-30059
ROBERTS, JON A.
SPEAR-1: An experiment to measure current collection in the ionosphere by high voltage biased conductors 09 p1403 N91-17725
ROBERTS, L.
Forebody tangential blowing for control at high angles of attack
[NASA-CR-188773] 22 p3622 N91-30152
ROBERTS, LEONARD
A numerical study of the effects of wind tunnel wall proximity on an airfoil model
[NASA-CR-187322] 02 p0161 N91-10934
ROBERTS, LILA F.
A rate equation approach to gain saturation effects in laser mode calculations 04 p0599 N91-13339
ROBERTS, M. L.
Success with an automated computer control system
[DE91-001759] 05 p0708 N91-13945
ROBERTS, M. S.
A survey of the properties of early-type galaxies 05 p0735 N91-14109
ROBERTS, MORTON S.
The diffuse ionized interstellar medium perpendicular to the plane of NGC 891 05 p0746 N91-14160
ROBERTS, R. G.
The gluon contribution to polarised nucleon structure functions
[RAL-90-062] 07 p1066 N91-15861
Phenomenological consequences of HMRS partons
[RAL-90-036] 09 p1395 N91-17675
Parton distributions at small x
[RAL-90-053] 09 p1395 N91-17676
Parton distributions, the Gottfried sum rule and the W charge asymmetry
[RAL-90-068] 10 p1593 N91-18790
ROBERTS, T. P. P.
Fabry-Perot observations of comet Austin 12 p2003 N91-21021
ROBERTS, TED A.
Effects of turbulence on stationary and nonstationary processes in C-systems
[AD-A227067] 06 p0827 N91-14569
ROBERTS, THOMAS M.
Elementary inversion, energy velocity, and a generalized Sommerfeld theorem
[DE90-018046] 02 p0265 N91-11486
ROBERTS, TIMOTHY PETER
Dynamic effects of hypersonic separated flow 03 p0299 N91-11669
ROBERTS, W.
The cryojet revisited 16 p2579 N91-24293
ROBERTSON, CHARLES C.
Multi-threaded procedural reasoning in real-time health monitoring of manned spacecraft systems 14 p2216 N91-22248
ROBERTSON, D. C.
Description of the Strategic High-Altitude Atmospheric Radiation Code (SHARC)
[AD-A237089] 21 p3541 N91-29671
ROBERTSON, D. D.
Euler and potential experiment/CFD correlations for a transport and two delta-wing configurations
[NASA-TM-102208] 01 p0003 N91-10014
ROBERTSON, DALE N.
Electron-beam-pinch experiment at Harry Diamond Laboratories: Providing for a high-dose-rate flash x ray facility for Transient Radiation Effects on Electronics (TREE) testing of pieceparts
[AD-A239558] 23 p3799 N91-31193
ROBERTSON, DAVID D.
Micromechanical modeling of the fiber/matrix interface region in a metal matrix composite
[AD-A230529] 12 p1863 N91-20235
ROBERTSON, ERICA
Beryllium weldability
[DE90-014696] 01 p0026 N91-10155
Constant stress of XD (trademark) TiAl containing nitrogen
[DE90-011947] 01 p0026 N91-10158
ROBERTSON, F. C.
Auvanced pitch fibre prepregs for space applications 03 p0330 N91-11840
ROBERTSON, FRANKLIN R.
Comparison of SSM/I measurements to numerically-simulated cloud and precipitation during ERICA 08 p1181 N91-16501
Observation simulation experiments with regional prediction models 08 p1181 N91-16502
South Pacific convergence zone and global-scale circulations 08 p1182 N91-16503
Global variability of water vapor and condensate from SSM/I 08 p1182 N91-16507
Global water cycle 24 p4056 N91-32661
Climate dynamics experiments using a GCM simulations 24 p4057 N91-32663
The role of the sea-surface temperature distribution on numerically simulated cyclogenesis during ERICA 24 p4061 N91-32688
South Pacific convergence zone and global scale circulations (Jul. 1987 - Jul. 1991). Observational and modeling studies of heat, moisture, precipitation, and global-scale circulation patterns (Jul. 1990 - Jul. 1993) 24 p4062 N91-32691
ROBERTSON, GLEN A.
Piezoelectrostatic generator
[NASA-CASE-MFS-28298-1] 06 p0882 N91-14872
ROBERTSON, I. M.
Analytical calculations of fatigue loading of submarine hulls
[MRL-TR-90-26] 10 p1535 N91-18450
Magneto-elastic behaviour of steels for naval applications
[MRL-TR-90-27] 11 p1681 N91-19266
ROBERTSON, J. D.
Sputter deposition of lithium silicate-lithium phosphate amorphous electrolytes
[DE91-006603] 10 p1607 N91-18869
Thin film amorphous electrolytes: The Li2O-SiO2-P2O5 system
[DE91-007272] 11 p1807 N91-19925
ROBERTSON, JAMES B.
Enhanced single layer multi-color or luminescent display with coactivators
[NASA-CASE-LAR-14181-1] 13 p2160 N91-21911
Effect of space exposure on pyroelectric infrared detectors 16 p2721 N91-25073
Single layer multi-color luminescent display
[NASA-CASE-LAR-13616-1] 23 p3928 N91-31950
ROBERTSON, JEFFERY S.
An analysis of the advanced cruise missile system program office engineering change proposal process
[AD-A230557] 12 p1995 N91-20981
ROBERTSON, ROY E.
Wind Shear radar program future plans 16 p2553 N91-24151
ROBEY, H. F.
An optical technique for the direct measurement of the 2-D spectral density of a passive scalar in a turbulent flow
[DE91-005423] 10 p1524 N91-18389
Measurements of passive-scalar spectra for grid turbulence using a nonlinear optical technique
[DE91-005310] 15 p2507 N91-23892
ROBEY, JUDITH
Session 2 summary and key issues identification 07 p1079 N91-15936
ROBICHEAU, M.
Characterization of fire resistant GRP's by mechanical properties determination
[DREA-CR-88-421] 23 p3817 N91-31295
ROBIN, JAMES F.
Issues concerning centralized versus decentralized power deployment
[NASA-CR-187121] 20 p3366 N91-28648
ROBIN, MICHAEL T.
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010200] 08 p1169 N91-16437
ROBINET, M.
Direct influence of chip design and material composition on GaAs/GaAlAs laser diodes reliability 24 p3992 N91-32307
ROBINETT, L.
Digital frequency synthesizer for radar astronomy
[NASA-CR-187814] 07 p1081 N91-15951
ROBINETT, R. D.
Lag-stabilized force feedback damping
[DE91-007572] 11 p1722 N91-19481
ROBINETT, R. D., III
Techniques for controlling a two-link flexible arm
[DE91-004818] 07 p1012 N91-15555
ROBINETT, WARREN
A computational model for the stereoscopic optics of a head-mounted display
[AD-A236705] 19 p3246 N91-27953
ROBINS, C. B.
A test vector generator for a radar signal processor
[AD-A233725] 18 p2973 N91-26413
ROBINS, LAWRENCE H.
Spatially and spectrally resolved cathodoluminescence of hot-filament chemical-vapor-deposited diamond particles
[AD-A236485] 19 p3142 N91-27364

Effects of multiple filament geometry in the hot filament deposition of diamond films
[AD-A236708] 19 p3142 N91-27365
Critical assessment of optical properties of CVD diamond films
[AD-A236746] 19 p3246 N91-27954

ROBINSON, A.
The Advanced Light Source: A new tool for research in atomic and molecular physics
[DE91-012860] 20 p3400 N91-28844

ROBINSON, ALLAN R.
Dynamics of oceanic motions
[AD-A231135] 13 p2124 N91-21693

ROBINSON, ANITA
Laser hazards bibliography, January 1991
[AD-A232690] 15 p2434 N91-23487

ROBINSON, B. D.
Robustness effects of a prefilter in generalized predictive control
[OUEL-1799/89] 01 p0116 N91-10685

ROBINSON, BRIAN A.
Aeroelastic analysis of wings using the Euler equations with a deforming mesh
[NASA-TM-102733] 01 p0004 N91-10020

ROBINSON, D. A.
Surface radiation observations for October 27-28, 1986 during the Wisconsin FIRE/SRB experiment
01 p0081 N91-10481

ROBINSON, DAVID A.
Identification of Cirrus over Wausau during the 1986 FIRE IFO from ground-based radiometer data
01 p0078 N91-10469
FIRE extended time/limited area observations at Palisades, New York 01 p0090 N91-10527

ROBINSON, DAVID MARK
OPTIC: Orbiting Plutonian Topographic Image Craft proposal for an unmanned mission to Pluto
08 p1102 N91-16049

ROBINSON, E. RICHARD
Parabolic equation starting field for a prolate spheroid source
[AD-A226281] 04 p0573 N91-13183

ROBINSON, F. L.
Investigation of ultrasonic evaluation of solid-state metal bond
[DE91-014996] 21 p3529 N91-29606

ROBINSON, G. C.
Preliminary test results from the HSST shallow-crack fracture toughness program
[DE91-010147] 18 p3001 N91-26572

ROBINSON, GARY Y.
Optoelectronic III-V heterostructures on SI substrates
[AD-A232035] 15 p2517 N91-23950

ROBINSON, JAMES C.
Procedure for implementation of temperature-dependent mechanical property capability in the Engineering Analysis Language (EAL) system
[NASA-CR-187470] 07 p1019 N91-15599

ROBINSON, JEFFREY D.
A linear quadratic regulator weight selection algorithm for robust pole assignment
[AD-A230598] 13 p2132 N91-21737

ROBINSON, JOHN D.
Statistical approach to fault detection of gears
[AD-A225386] 03 p0374 N91-12094

ROBINSON, JON W.
Refinement of ground reference data with segmented image data 07 p1023 N91-15616

ROBINSON, M. B.
Ammonia decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A226625] 05 p0634 N91-13513
FTIR studies of water and ammonia decomposition on silicon surfaces
[AD-A234637] 18 p2948 N91-26265
Diethylsilane decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A234638] 18 p2948 N91-26266
Adsorption and decomposition of diethylsilane on silicon surfaces
[AD-A234639] 18 p2948 N91-26267

ROBINSON, M. T.
Computer simulation studies of high energy collision cascades
[DE91-016225] 24 p4099 N91-32903

ROBINSON, MARK S.
Evolution of the Olympus Mons Caldera, Mars
14 p2350 N91-22998

ROBINSON, MARTHA P.
Failure behavior of generic metallic and composite aircraft structural components under crash loads
[NASA-RP-1239] 05 p0675 N91-13751
Computational methods for frictionless contact with application to Space Shuttle Orbiter nose-gear tires
[NASA-TP-3073] 14 p2274 N91-22576

ROBINSON, P. D.
Interactions of sulfur-containing compounds with transition metal clusters and metal surfaces III
[DE90-010591] 09 p1305 N91-17160

ROBINSON, P. J.
Precipitation regime changes associated with climatic changes
[PB91-206656] 24 p4070 N91-32740

ROBINSON, PHILIP J.
Space Station auxiliary thrust chamber technology
[NASA-CR-185296] 16 p2580 N91-24300

ROBINSON, R.
On the disappearance of O I in some high-luminosity cool stars 09 p1436 N91-17911

ROBINSON, R. A.
Magnetic structures of actinide materials by pulsed neutron diffraction
[DE91-000373] 08 p1109 N91-16093

ROBINSON, R. M.
ONR-307 experiment on the Combined Release and Radiation Effects Satellite (CRRES)
[AD-A236241] 19 p3112 N91-27193

ROBINSON, STEPHEN KERN
The kinematics of turbulent boundary layer structure
[NASA-TM-103859] 18 p2982 N91-26465

ROBINSON, STEPHEN M.
Computation and theory in nonlinear optimization
[AD-A232908] 16 p2668 N91-24763

ROBINSON, T. R.
Observations of the anomalous absorption of diagnostic radio waves during ionospheric modification at Arecibo
10 p1547 N91-18513

ROBINSON, W.
Superpressure stratospheric vehicle
[DE91-000496] 04 p0479 N91-12670

ROBINSON, WILF
Payload spin assembly for the commercial Titan launch vehicle 16 p2642 N91-24621

ROBLE, RAYMOND G.
Development of a Vector Spherical Harmonic (VSH) model of the neutral thermosphere
[AD-A234744] 18 p3012 N91-26631

ROBLEE, J.
The measurement and finite element analysis of the dynamic stiffness of non-uniform clearance, gas, thrust bearings
[DE90-015120] 02 p0217 N91-11214

ROBLES, J.
The relation of Hertzian contact pressure to friction behavior of self-lubricating boric acid films
[DE91-010592] 17 p2783 N91-25403

ROBOCK, ALAN
Volcanic effects on climate 13 p2116 N91-21646

ROBOTHAM, W. F.
SSC dipole magnet measurement and alignment using laser technology
[DE90-014881] 01 p0047 N91-10281

ROBSON, E. I.
Multi-waveband observations of colliding galaxies
08 p1247 N91-16868

ROBSON, IAN
The importance of submillimetre observations of radio quiet and radio loud AGN's 13 p2174 N91-22000

ROBY, SCOTT W.
Nitrogen abundances from UV lines of HgMn and standard late-B stars 17 p2879 N91-25924

ROCCA, F.
SAR interferometry can give 1 meter altitude resolution 07 p0992 N91-15446
Focusing SAR data with time-varying Doppler centroid
[REPT-90-033] 10 p1514 N91-18334
Blind deconvolution for Doppler centroid estimation in high frequencies SAR
[REPT-90-034] 10 p1514 N91-18335
Seismic migration for SAR focusing: Interferometrical applications
[REPT-90-036] 10 p1514 N91-18336
Limits to the resolution of elevation maps from stereo SAR images
[REPT-90-035] 10 p1538 N91-18467

ROCH, FRANCOISE
Hermite normal form of matrices: Calculation and parallelization of methods
[ETN-90-98202] 04 p0569 N91-13157

ROCH, J. L.
A high integrity flight data system
04 p0486 N91-12704

ROCH, JEAN-LOUIS
The architecture of the PAC computer algebra system and its rational arithmetic
[ETN-90-98204] 04 p0556 N91-13080

ROCHE, C. T.
Experimental results in superconducting niobium resonators for high-brightness ion beam acceleration
[DE91-004478] 06 p0883 N91-14882
Application of RF superconductivity to high-brightness ion-beam accelerators
[DE91-006481] 09 p1398 N91-17695
Measurements of the RF surface resistance of high-Tc superconductors
[DE91-006554] 10 p1605 N91-18857

ROCHE, G. L.
Heat pipe dynamic behavior
[NASA-CR-187422] 05 p0656 N91-13645

ROCHE, GREGORY LAWRENCE
Analytical study of the liquid phase transient behavior of a high temperature heat pipe
[NASA-CR-187426] 05 p0656 N91-13644

ROCHE, JAMES C.
The environment power system analysis tool development program 09 p1405 N91-17734
The environment workbench: A design tool for Space Station Freedom 12 p1950 N91-20727

ROCHE, PATRICK F.
Infrared images of reflection nebulae and Orion's bar: Fluorescent molecular hydrogen and the 3.3 micron feature 06 p0890 N91-14918

ROCHELLE, R. W.
A pocket-size broadband electric field detection and storage device
[DE91-007710] 11 p1708 N91-19406

ROCHELLE, W. C.
TPS design for aerobraking at Earth and Mars
[NASA-TM-104739] 22 p3762 N91-30970

ROCHER, J. P.
Application of CCSDS recommendations to Ariane 5 and Hermes ground segments 14 p2215 N91-22239

ROCHETTE, P.
Aperture diffraction in Rayleigh zone: Calculation of the field in the quiet zone of compact ranges
[CNES-CT/DRT/TIT/AN-88/234]
02 p0203 N91-11136

ROCHON, GILBERT L.
Specification of parameters for development of a spatial database for drought monitoring and famine early warning in the African Sahel 17 p2883 N91-25938
Integrating NASA's Land Analysis System (LAS) image processing software with an appropriate Geographic Information System (GIS): A review of candidates in the public domain 17 p2883 N91-25939

ROCHOWIAK, DANIEL M.
ECLSS advanced automation preliminary requirements
[NASA-CR-186115] 19 p3214 N91-27765
A diagnostic prototype of the potable water subsystem of the Space Station Freedom ECLSS
[NASA-CR-186111] 19 p3214 N91-27766

ROCK, JOHN A.
Deployment and testing of a second prototype expandable surgical chamber in microgravity
24 p4080 N91-32794

ROCK, NEIL I.
Study of balloon and thermal control material degradation aboard LDEF 16 p2714 N91-25021
The influence of flowing afterglow exposure on the degradation of various polymeric materials
16 p2714 N91-25022

ROCK, S.
Forebody tangential blowing for control at high angles of attack
[NASA-CR-188773] 22 p3622 N91-30152

ROCK, S. E.
Study of nuclear effects in the deuteron and extraction of neutron to proton stucture function ratio
[DE91-015484] 21 p3574 N91-29873

ROCKWAY, J. W.
Super High Frequency (SHF) Link Analysis Model (SLAM) for nonsatellite applications
[AD-A225323] 03 p0357 N91-11997

ROCKWELL, DONALD
Unsteady flow structure from swept edges subjected to controlled motion
[AD-A232714] 15 p2366 N91-23094

RODACY, P. J.
Development of an explosive vapor generator
[DE91-015700] 21 p3494 N91-29386

RODDE, A. M.
Validation of two dimensional drag prediction methods
[ONERA-RSF-85/1685-AY] 23 p3783 N91-31093

RODDE, K.
Radiation tolerant 1 micron CMOS technology
24 p3996 N91-32335

RODE, DANIEL L.
A buried heterostructure laser modulator
[AD-D014819] 16 p2632 N91-24569

RODEBACK, G. W.
Sea test development of laser altimeter
[AD-A233824] 18 p2988 N91-26498

RODERICK, N. F.
Computational simulations of plasma flow switches and imploding loads
[DE91-014768] 21 p3509 N91-29480

RODERICK, NORMAN
A quasi-linear theory to explain ion acceleration in the distant cometary environment 12 p2007 N91-21045
RODGERS, A.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
RODGERS, C.
Cold starting small gas turbines: An overview
23 p3792 N91-31150
RODGERS, C. D.
Proposed reference models for nitrous oxide and methane in the middle atmosphere
19 p3189 N91-27636
RODGERS, DENNIS ALAN
Low frequency predictability of dynamical extended range forecast experiments
[AD-A227734] 07 p1031 N91-15658
RODGERS, FREDERICK C.
A unique hybrid propulsion system design for large space boosters 16 p2571 N91-24248
RODGERS, J.
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
RODGERS, M. S.
Total-dose degradation of thin film ferroelectric capacitors
[DE90-007152] 08 p1130 N91-16218
Properties and characterization of thin film ferroelectric capacitors for nonvolatile memories
[DE91-004037] 08 p1134 N91-16242
Aspects of fatigue and rapid depolarization in the film PZT capacitors
[DE91-014904] 21 p3509 N91-29484
RODGERS, MICHAEL A. J.
Photoinduced charge separation by polymer-bound chromophores
[DE90-010997] 08 p1117 N91-16140
RODGERS, R. P. C.
Nested Monte Carlo study of random packing on the sphere
[CWI-BS-R9023] 17 p2848 N91-25743
RODI, W.
Examples of turbulence model applications
23 p3866 N91-31563
Some current approaches in turbulence modelling
24 p4015 N91-32446
RODI, W. L.
Lecture notes on nonlinear inversion and tomography
[DE91-008238] 11 p1738 N91-19558
RODIN, BURT
Nonlinear stability in fluids and plasma dynamics-conformal quasi-conformal geometry: Iteration, distoration, dynamics, and circle packing
[AD-A229469] 22 p3755 N91-30934
RODIONOV, K. G.
Microprocessor system for temperature regulation and stabilization
[DE90-634244] 02 p0207 N91-11160
RODMAN, JOHN A.
Keyword thesaurus: Terms and codes identifying interest areas for Federal funding of research and other sponsored programs, 4th edition, September, 1990
[NASA-CR-187752] 09 p1421 N91-17821
RODMAN, LAURA C.
Advanced methods for atmospheric modeling
[AD-A232966] 16 p2657 N91-24700
RODRIGUE, GARRY H.
Lattice Boltzmann methods for some 2-D nonlinear diffusion equations: Computational results
[DE91-004175] 05 p0710 N91-13962
RODRIGUES, C. V.
Multicolor optical polarimetry of reddened stars in the small Magellanic cloud 06 p0902 N91-14986
RODRIGUES, JOSE EDUARDO
Solar illumination geometry and its influence on the observance of geological structures in orbital imagery
[INPE-3424-PRE/687] 22 p3777 N91-31066
RODRIGUESBRUM, ENEAS
Integration of multispectral and pancromatic channels of HRV (SPOT) sensor for obtaining color compositions with a spatial resolution of approximately 10 m
[INPE-5035-TDL/403] 02 p0229 N91-11278
RODRIGUEZ-GARCIA, CARLOS A.
Characterization of slow and fast phase nystagmus
[NASA-CR-188452] 17 p2821 N91-25589
RODRIGUEZ, A. E.
Experimental and analytical study of laser-triggering in the Rimfire switch
[DE91-014662] 21 p3509 N91-29483
Laser triggered spark gap modeling
[DE91-014831] 21 p3521 N91-29557
RODRIGUEZ, C. D.
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
RODRIGUEZ, CARLOS D.
Comparison of dynamic isotope power systems for distributed planet surface applications
[NASA-TM-4303] 20 p3303 N91-28278
RODRIGUEZ, ELVIN
Evaluation of thermal control coatings for use on solar dynamic radiators in low Earth orbit
[NASA-TM-104335] 14 p2235 N91-22367
RODRIGUEZ, FERDINAND
Characterization of the glass transition using a microindenter
[AD-A232154] 15 p2398 N91-23282
Dissolution of Poly(p-hydroxystyrene): Molecular weight effects
[AD-A232155] 15 p2406 N91-23323
RODRIGUEZ, G.
Spatial operator approach to flexible multibody system dynamics and control 14 p2232 N91-22350
RODRIGUEZ, J. A.
High pressure catalytic reactions over single-crystal metal surfaces
[DE91-016475] 23 p3811 N91-31256
RODRIGUEZ, J. F.
Underpotential deposition of silver on Pt(111). Part 1: Concentration dependence
[AD-A236692] 19 p3159 N91-27466
RODRIGUEZ, JEFFREY JOEL
Terrain matching using image sequence analysis
08 p1167 N91-16424
RODRIGUEZ, JOSE LUIS QUESADA
Guided weapon simulation: The SBGL development experience 07 p1043 N91-15722
RODRIGUEZ, JOSE M.
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 1
[NASA-CR-4346-PT-1] 10 p1542 N91-18489
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 2
[NASA-CR-4346-PT-2] 10 p1543 N91-18490
RODRIGUEZ, JOSEPH F.
Management concerns for optical based filing systems
[AD-A226400] 04 p0606 N91-13372
RODRIGUEZ, JULIO G.
Acousto-optic signature analysis for inspection of the orbiter thermal protection tile bonds
10 p1487 N91-18196
RODRIGUEZ, L. F.
VLA observations of ammonia in Herbig-Haro 1-2
10 p1622 N91-18949
RODRIGUEZ, P.
Creep rupture properties of solution annealed and cold worked type 316 stainless steel cladding tubes
[DE91-618658] 16 p2633 N91-24575
RODRIGUEZ, RODOLFO
Analysis of the efficiency of an a-posteriori error estimator for linear triangular finite elements
[AD-A239647] 23 p3922 N91-31915
RODRIQUEZ, J. L.
A radiation hardened SONOS/CMOS EEPROM family
[DE90-015993] 02 p0206 N91-11154
RODRIQUEZ, R.
Coherent anti-Stokes Raman spectroscopic measurement of air entrainment in argon plasma jets
[DE91-001936] 05 p0660 N91-13670
Measurement of air entrainment in plasma jets
[DE91-001943] 05 p0719 N91-14013
RODVOID, MICHELLE
Analysis of routine communication in the air traffic control system
[NASA-CR-188116] 14 p2256 N91-22475
RODWAY, D. C.
A study of copper segregation in sputtered Al-Si-Cu films using Auger electron spectroscopy
[AD-A238130] 21 p3482 N91-29316
ROE, J.
Preliminary field demonstration of a fiber-optic TCE sensor
[DE91-008453] 13 p2089 N91-21498
ROE, L. E.
Petroleum exploration in the Amadeus Basin
19 p3197 N91-27675
ROE, P. L.
The 'optimum' upwind advection on a triangular mesh
[NASA-CR-187459] 01 p0042 N91-10250
Numerical computation of two-dimensional unsteady detonation waves in high energy solids
[CRANFIELD-AERO-9013] 12 p1899 N91-20443
Fluctuation splitting schemes for the 2D Euler equations 24 p4012 N91-32430
ROE, ROBERT A.
National Aeronautics and Space Administration Multiyear Authorization Act of 1990
[H-REPT-101-763] 04 p0607 N91-13377
ROE, S. C.
Manufacture test analysis of the thermoplastic composites
[BU-515] 14 p2241 N91-22400
ROECKER, LOTHAR
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans
11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
ROELANT, DAVID FRANCIS
Modeling x-ray laser gain in recombining plasmas
22 p3756 N91-30937
ROELKE, R. J.
GRID3D-v2: An updated version of the GRID2D/3D computer program for generating grid systems in complex-shaped three-dimensional spatial domains
[NASA-TM-103766] 17 p2830 N91-25630
ROELOFS, G. R.
An experimental study of counter-rotating cores in elliptical galaxies 08 p1259 N91-16934
ROELOFS, M.
On the structure of special vectors of the Virasoro algebra
[MEMO-927] 22 p3746 N91-30877
ROEMER, MICHAEL J.
Time domain modal identification/estimation of the mini-mast testbed 14 p2232 N91-22347
ROEMER, NICOLAUS
Theoretical and experimental examinations of transition behavior of the profile boundary layer at compressor and turbine grids
[ETN-91-98559] 08 p1146 N91-16312
ROENNEKLEIV, ARNE
SAW technology for multicarrier demodulation in advanced payloads 13 p2030 N91-21164
ROENNMARK, KJELL G.
A combined wave distribution function and stability analysis of Viking particle and low-frequency wave data
[IRF-PREPRINT-115] 02 p0274 N91-11541
ROENQUIST, EINAR MALVIN
Spectral element methods for the unsteady Navier-Stokes equations 24 p4013 N91-32432
ROERDINK, J. B. T. M.
Mathematical morphology on homogeneous spaces. Part 1: The simply transitive case
[CWI-AM-R8924-PT-1] 02 p0259 N91-11439
Mathematical morphology on homogeneous spaces. Part 2: The transitive case
[CWI-AM-R9006-PT-2] 10 p1582 N91-18712
Mathematical morphology on the sphere
[CWI-AM-R9012] 10 p1582 N91-18714
ROESCHLEIN, EUGENE R.
Solid state sequencing switch
[AD-D014831] 16 p2620 N91-24506
ROESER, HANS PETER
Investigation of highly excited CO transitions in OMC-1
13 p2176 N91-22013
A highly collimated bipolar outflow in the core of OMC-1: CO submillimeter emission 13 p2176 N91-22014
Airborne heterodyne receiver for the range 600 GHz to 3,000 GHz 13 p2180 N91-22047
ROESINK, HENDRIK DIRK WILLEM
Microfiltration: Membrane development and module design
[ISBN-90-9002843-9] 03 p0349 N91-11949
ROESKA, K. O.
Mission planning systems for scientific and remote sensing satellites: A comparative analysis
14 p2213 N91-22226
ROESLER, F. L.
Fabry-Perot observations of comet Austin
12 p2003 N91-21021
ROESSLER, M.
Methods to preserve the integrity of a combat aircraft flight control system through major upgrade programmes
04 p0484 N91-12692
ROESTEL, R.
Results of examination of unsteady convection of vertical thermally unstable Bi-Sb-Te melts
14 p2335 N91-22905
ROETTGER, CHRISTIAN
Alternative strategies for the maintenance of geostationary space power plants
[ILR-MITT-249(1990)] 11 p1664 N91-19170
ROETTGER, E. E.
IUE observations of comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko 12 p2003 N91-21024
IUE observations of comet Austin (1989c1)
12 p2003 N91-21025

ROETTGER, G. E.
Development of ceramic membranes for gas separation: FY 1990 development activities
[DE91-015915] 23 p3818 N91-31300
ROETTGER, JUERGEN
The instrumental principles of MST radars and incoherent scatter radars and the configuration of radar system hardware 18 p3009 N91-26616
ROFER, C. K.
Methane to methanol conversion by direct partial oxidation
[DE91-007352] 11 p1680 N91-19257
ROFER, CHERYL K.
Methane to methanol conversion
[DE91-004843] 07 p0987 N91-15419
Destruction of propellant components in supercritical water
[DE90-010600] 08 p1108 N91-16085
ROGACHEVSKII, I. V.
A new kind of magnetic buoyancy instability 06 p0916 N91-15050
ROGACKI, J.
Thermoviscoplastic response of Ti-15-3 under various loading conditions
[NASA-CR-188621] 17 p2791 N91-25443
ROGERS, C.
On 2+1-dimensional nonlinear integrable systems of Loewner-type
[MATHS-REPT-A-140] 15 p2494 N91-23813
ROGERS, D.
A chopper driven 11.4-GHz traveling-wave RF generator
[DE91-013568] 20 p3339 N91-28489
ROGERS, D., JR.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
ROGERS, DAVID
G/SPLINES: A hybrid of Friedman's Multivariate Adaptive Regression Splines (MARS) algorithm with Holland's genetic algorithm
[NASA-CR-188935] 24 p4087 N91-32836
ROGERS, DAVID V.
Summary of the First ACTS Propagation Workshop 03 p0350 N91-11955
ROGERS, G. O.
Establishing functional requirements for emergency management information systems
[DE91-006340] 10 p1614 N91-18905
ROGERS, J.
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041
ROGERS, J. E.
Interior-point method for linear and quadratic programming problems
[PB91-187815] 19 p3231 N91-27865
ROGERS, J. H.
Measurements of the ion acoustic decay instability and the resultant enhanced laser absorption and enhanced bremsstrahlung in laser-plasma interaction experiments
[DE91-014250] 20 p3418 N91-28956
ROGERS, J. W., JR.
Thermal desorption studies of isotopically-labeled oxygen-induced superconductivity in La2CuO(4+delta)
[DE91-004898] 08 p1236 N91-16812
ROGERS, JAMES C.
Scattering measurements on natural and model trees 06 p1216 N91-16691
ROGERS, JERRY L.
Pulsed compression for aerosol ranging with coherent pulse-Doppler lidar systems
[AD-A230514] 12 p1885 N91-20365
ROGERS, JOHN S.
Applications of artificial intelligence to mission planning
[NASA-CR-184994] 05 p0706 N91-13939
Applications of artificial intelligence to mission planning
[NASA-CR-187953] 18 p3044 N91-26806
ECLSS advanced automation preliminary requirements
[NASA-CR-186115] 19 p3214 N91-27765
A diagnostic prototype of the potable water subsystem of the Space Station Freedom ECLSS
[NASA-CR-186111] 19 p3214 N91-27766
ROGERS, KATHY
A study of System Interface Sets (SIS) for the host, target and integration environments of the Space Station Program (SSP)
[NASA-CR-187399] 04 p0558 N91-13096
ROGERS, MELISSA J. B.
Analysis techniques for residual acceleration data
[NASA-TM-103507] 01 p0032 N91-10191
Residual acceleration data on IML-1: Development of a data reduction and dissemination plan
[NASA-CR-188760] 22 p3656 N91-30350
ROGERS, R. C.
Flow establishment in a generic scramjet combustor
[NASA-CR-187467] 05 p0657 N91-13649
Preliminary calibration of a generic scramjet combustor
[NASA-CR-187539] 13 p2025 N91-21139
ROGERS, ROBIN D.
(Tertiary-butyl) cyclopentadienylindium(I), In(C5H4CMe3)-synthesis, characterization, and x ray structural study
[AD-A235576] 19 p3251 N91-27982
ROGERS, STEPHEN
Theoretical studies of High Energy Density Matter (HEDM) molecules
[DE90-014831] 01 p0119 N91-10706
ROGERS, STEPHEN B.
Worldwide maritime infrared atmospheric transmittance data
[AD-A237292] 21 p3541 N91-29672
ROGERS, STUART E.
Computations of three-dimensional steady and unsteady viscous incompressible flows 02 p0146 N91-10852
Numerical solution of the incompressible Navier-Stokes equations
[NASA-TM-102199] 07 p1057 N91-15805
Simulation of blood flow through an artificial heart 15 p2537 N91-24056
ROGERS, WENDY A.
Automatic information processing and high-performance skills: Principles of consistency, part-task training, context, retention, and complex task performance
[AD-A235944] 19 p3213 N91-27761
ROGGE, V.
Liquid phase sintering (TEXUS 19) ESA 23 p3846 N91-31446
ROGGE, W. F.
Methods of analysis for complex organic aerosol mixtures from urban emission sources of particulate carbon
[DE91-001722] 05 p0686 N91-13814
ROGGEN, J.
A new approach to the reliability of electronic material systems 24 p3993 N91-32310
ROGIALLI, CARLO
CONSTRICTOR: A language for constraint satisfaction
[REPT-91-010] 22 p3731 N91-30774
ROGIER, JAN L. H.
Retrospective creation of virtual alternative hierarchies
[CWI-CS-R9051] 17 p2834 N91-25659
A component class for design objects
[CWI-CS-R9060] 17 p2840 N91-25698
ROGINSKI, BARRY S.
Optical digital image storage system
[PB91-191791] 14 p2341 N91-22944
ROGL, PETER
Boron nitride and silicon nitride systems
[AD-A238080] 21 p3489 N91-29359
ROGNLEIN, T. D.
Physics study of the application of an IFEL (Induction-Accelerator Free-Electron Laser) to CIT
[DE91-004993] 10 p1527 N91-18411
ROGNLIEN, T.
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
ROGOTZKI, YORK
Optical far-field measurements of extremely high dynamic to investigate the roughness of front faces of single-mode fiber connectors
[FI-452-TB-67] 02 p0270 N91-11517
ROGUIN, P.
Study of the metallurgical effects of hammering between passes during C-Mn weld deposition
[CETIM-104850] 05 p0637 N91-13532
Evaluation of the functional properties of welds on cold finished tubes defined as NF A 49.541
[CETIM-104700] 05 p0672 N91-13738
The effects of thermal treatment after welding on the functional properties of assemblies. Follow-up of the work on Cr-Mo
[CETIM-104720] 05 p0672 N91-13739
Study of the tensile strength of the melted zone of vertical welds carried out using electroslag welding on C-Mn steel. Further study on 80 mm thick plate
[CETIM-104730] 05 p0673 N91-13740
ROGUS, TIMOTHY E.
Automatic information processing and high-performance skills: Applications to training, transfer, and retention
[AD-A235537] 19 p3218 N91-27789
ROH, YONGRAE
Development of local/global SAW sensors for measurement of wall shear stress in laminar and turbulent flows 09 p1332 N91-17314
ROHALY, GREGG
Observing system simulation experiments for the laser atmospheric wind sounder using global spectral model 24 p4061 N91-32686
ROHARDT, CLAAS-HINRIK
Flow visualization ion helicopter blades using Acenaphthen
[DLR-FB-90-37] 13 p2081 N91-21466
ROHATGI, A.
High efficiency cadmium and zinc telluride-based thin film solar cells
[DE91-002112] 06 p0840 N91-14643
ROHATGI, P. K.
Solid-particle erosion of aluminum/particulate ceramic composites
[DE91-006078] 09 p1319 N91-17241
ROHDE, H. F.
Wind tunnel test of wind loads on various shapes of elevated buildings for Antarctic use
[PB90-259318] 09 p1351 N91-17418
ROHDE, JOHN E.
Overview of hypersonic/transatmospheric vehicle propulsion technology 12 p1836 N91-20092
ROHLFSEN, JENS
Mission characteristics and microgravity environment of the Columbus Free Flying Laboratory
[MBB-UO-0105-90-PUB] 04 p0494 N91-12744
ROHN, D. A.
Manipulation hardware for microgravity research
[NASA-TM-103423] 06 p0814 N91-14498
ROHN, DOUGLAS A.
The dynamic effects of internal robots on Space Station Freedom
[NASA-TM-104345] 14 p2279 N91-22604
ROHWEIN, G. J.
A compact 200 kV pulse transformer system
[DE91-014669] 21 p3509 N91-29479
ROIDT, R. M.
Advanced study in solid transport: Rheological behavior of dense suspension
[DE91-009428] 16 p2982 N91-26467
ROITHMAYR, CARLOS M.
Contribution of zonal harmonics to gravitational moment 09 p1292 N91-17097
ROJAS, R. G.
Modelling and performance analysis of four and eight element TCAS
[NASA-CR-187414] 05 p0618 N91-13428
ROKHLIN, V.
On the numerical solution of two-point boundary value problems 2
[AD-A228141] 07 p1060 N91-15832
On the inverse scattering problem for the Helmholtz equation in one dimension
[AD-A233346] 16 p2679 N91-24828
ROKHLIN, VLADIMIR
Numerical methods for scattering from electrically large objects
[AD-A238262] 21 p3500 N91-29426
ROKHSAZ, KAMRAN
Modeling high angle-of-attack forces and moments using a neural network 10 p1455 N91-18024
ROKITKA, M. A.
Gravitational force and the cardiovascular system 17 p2819 N91-25579
ROKNI, MOHAMMAD
Comparison and testing of extended Kalman filters for attitude estimation of the Earth radiation budget satellite 09 p1290 N91-17087
ROLAND, J.
Millimeter observations of a complete sample of galaxies: Implications for gas mass and cold dust component 13 p2174 N91-21999
ROLES, J.
Analysis of the surface heterogeneity of different samples of aluminum oxide ceramic powders
[DE91-013527] 20 p3327 N91-28421
Validity of the model used to relate the energy distribution and the adsorption isotherm
[DE91-013528] 20 p3328 N91-28428
ROLFE, E. J.
Space Plasma Physics Investigations by Cluster and Regatta
[ESA-SP-306] 01 p0069 N91-10417
ROLFE, ERICA
Rosetta/CNSR: A comet-nucleus sample-return mission and system definition document
[ESA-SP-1125] 24 p3964 N91-32152
ROLFE, ERICA J.
Evolution in Astrophysics: IUE Astronomy in the Era of New Space Missions
[ESA-SP-310] 09 p1428 N91-17861
ROLFE, S. T.
Preliminary test results from the HSST shallow-crack fracture toughness program
[DE91-010147] 18 p3001 N91-26572

ROLIK, I. S.
Blood electrolyte balance in dogs repeatedly exposed to +G(subz) acceleration 22 p3714 N91-30674
ROLINCIK, MARK J.
A machine independent expert system for diagnosing environmentally induced spacecraft anomalies 14 p2314 N91-22782
ROLL, J. P.
Body proprioceptive references in weightlessness as studied by muscle tendon vibration 11 p1742 N91-19581
ROLLAND, JANNICK P.
A computational model for the stereoscopic optics of a head-mounted display
[AD-A236705] 19 p3246 N91-27953
ROLLBUHLER, R. JAMES
Fuel-rich, catalytic reaction experimental results
[NASA-TM-104423] 16 p2561 N91-24203
ROLLETT, A. D.
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
ROLLIN, G.
Solution of perfect gas viscous flows via compressible Navier-Stokes equations with wallslip conditions
[ONERA-RSF-13/3637-AY] 24 p4013 N91-32435
ROLLING, L.
Beyond machine translation 17 p2876 N91-25908
ROLLINS, C. J.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
ROLLWITZ, WILLIAM L.
Feasibility of NMR detection of decompression bubbles
[AD-A226323] 04 p0552 N91-13061
ROLPH, C. D.
The wavelength dependence of polarization in NGC 2023 06 p0891 N91-14923
ROLPH, R.
Production status of GaAs/Ge solar cells and panels 22 p3632 N91-30212
ROMALEWSKI, ROBERT S.
Implementation of an oceanographic expert system: Problems, feedback, solutions
[AD-A230886] 13 p2124 N91-21689
ROMAN, NANCY G.
Smithsonian Astrophysical Observatory (SAO) star catalog (Sao staff 1966, edition ADC 1989): Documentation for the machine-readable version
[NASA-TM-105064] 22 p3772 N91-31036
ROMAN, W. C.
Investigation of laser diagnostics of PACVD processes for depositing hard face coatings
[DE91-012642] 20 p3324 N91-28401
ROMAN, Y. G.
Development of high-density fiber-reinforced silicon carbide FCVI composites
[DE91-012531] 22 p3643 N91-30272
ROMANA, L. J.
Ion beam enhanced adhesion of iron films to sapphire substrates
[DE91-015931] 23 p3820 N91-31308
Formation and annealing behavior of an amorphous layer induced by tin implantation into sapphire
[DE91-015929] 24 p4108 N91-32960
ROMANELLI, F.
Ion temperature gradient turbulence and coherent structures 20 p3408 N91-28890
ROMANENKOVA, VERONIKA
Scientists' discoveries on quasars, supernovas noted 19 p3111 N91-27184
ROMANOFSKY, R. R.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405
High temperature superconductor analog electronics for millimeter-wavelength communications
[NASA-TM-105184] 21 p3592 N91-29982
ROMANOFSKY, ROBERT R.
Monolithic mm-wave phase shifter using optically activated superconducting switches
[NASA-CASE-LEW-14878-1] 05 p0716 N91-13996
Universal nondestructive mm-wave integrated circuit test fixture
[NASA-CASE-LEW-14746-1] 06 p0824 N91-14552
Microwave integrated circuits for space applications 15 p2540 N91-24069
Comparative study of bolometric and non-bolometric switching elements for microwave phase shifters
[NASA-TM-104435] 17 p2768 N91-25320
ROMANOVA, M.
Compact object masses in active galactic nuclei and quasars and duration of activity stage 06 p0922 N91-15096
ROMATE, JOHAN EGBERT
The numerical simulation of nonlinear gravity waves in three dimensions using a higher order panel method
[ISBN-90-9002667-23] 01 p0073 N91-10443
ROMBACH, H. D.
Towards a comprehensive framework for reuse: A reuse-enabling software evolution environment
[UMIACS-TR-88-92] 01 p0105 N91-10608
Support for comprehensive reuse
[NASA-CR-187941] 14 p2303 N91-22721
ROME, J. A.
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
ROMEO, G.
Buckling of laminated cylindrical plates including effects of shear deformation 03 p0333 N91-11866
ROMESBURG, L. N.
Personal papers in the United States Air Force Historical Research Center, 5th edition
[PB91-156380] 18 p3076 N91-26999
ROMIG, A. D., JR.
Application of parallel computing to the Monte Carlo simulation of electron scattering in solids: A rapid method for profile deconvolution
[DE91-001227] 05 p0713 N91-13980
Grain boundary chemistry in Al-Cu metallizations as determined by analytical electron microscopy
[DE91-012007] 18 p2957 N91-26319
Microstructural characterization of solders and brazes for advanced packaging technology
[DE91-011503] 20 p3320 N91-28379
A controlled dispersion parallel wavelength x ray spectrometer for electron microscopy
[DE91-012011] 20 p3349 N91-28544
X ray spatial resolution at intermediate voltages: An assessment by massively parallel Monte Carlo electron trajectory simulation
[DE91-012018] 20 p3399 N91-28841
The spatial resolution of x ray microanalysis in thin foils
[DE91-011949] 20 p3426 N91-29003
High-energy backscattered electron imaging of voids in aluminum metallizations
[DE91-014895] 21 p3480 N91-29303
ROMINE, C. H.
Computing the eigenvalues and eigenvectors of a general matrix by reduction to general tridiagonal form
[DE91-002523] 05 p0710 N91-13959
Modeling speedup in parallel sparse matrix factorization
[DE91-010215] 15 p2482 N91-23735
RON, AMOS
Approximation from shift-invariant surfaces of L2(IRd)
[AD-A238165] 21 p3566 N91-29826
RON, HAGAI
Stress field rotation or block rotation: An example from the Lake Mead fault system 06 p0845 N91-14668
Multiple strike slip faults sets: A case study from the Dead Sea transform 06 p0845 N91-14669
RONALD, CHARLES M.
Immediate write, read, and erase optical storage medium and method of marking and erasing
[AD-D014578] 07 p1038 N91-15694
RONALD, TERENCE M. F.
Materials for hypersonic engines 15 p2381 N91-23177
RONCACE, ELIZABETH A.
In-situ propellant rocket engines for Mars mission ascent vehicle
[NASA-TM-104429] 16 p2581 N91-24305
RONCACE, JAMES
Flow visualization of a rocket injector spray using gelled propellant simulants
[NASA-CR-187142] 16 p2581 N91-24306
RONCHI, CORRADO
Large scale turbulence in the equatorial electrojet 15 p2462 N91-23643
RONCIN, A.
Detection of loss of consciousness in flight by Doppler method 08 p1193 N91-16555
RONE, KYLE
Knowledge-based assistance in costing the space station DMS 01 p0105 N91-10611
RONEY, P. L.
A temperature dependent regular infrared band model
[DREV-4559-89] 22 p3707 N91-30631
RONNEY, P. D.
Research on combustion processes associated with natural gas used as an internal combustion engine fuel
[PB91-161240] 17 p2758 N91-25266
RONZHEIMER, ARNO
Solution of the two-dimensional Euler equations by a finite volume discretization on unstructured triangular meshes
[ESA-TT-1135] 02 p0263 N91-11473
ROOKE, T. J.
Investigations of aerothermodynamic effects on axisymmetric bodies at high Mach numbers 06 p0776 N91-14302
ROOKER, JAMES R.
Structural integrity of wind tunnel wooden fan blades
[NASA-TM-104059] 14 p2276 N91-22589
ROOME, ALBERT T.
Pulsed interference canceler of high power out-of-band pulse interference signals
[AD-D014603] 07 p0990 N91-15431
ROONEY, W.
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
ROOS, C.
A potential reduction method for a class of smooth convex programming problems
[REPT-90-01] 01 p0109 N91-10636
A potential reduction variant of Renegar's short-step path-following method for linear programming
[REPT-90-14] 02 p0253 N91-11402
A polynomial method of weighted centers for convex quadratic programming
[REPT-90-17] 02 p0261 N91-11453
On the classical logarithmic barrier function method for a class of smooth convex programming problems
[REPT-90-28] 07 p1058 N91-15817
The linear complementarity problem, sufficient matrices, and the criss-cross method
[REPT-90-49] 07 p1059 N91-15823
A long step barrier method for convex quadratic programming
[REPT-90-53] 08 p1200 N91-16600
ROOS, DARRELL
Astromag data system concept
[NASA-CR-186341] 15 p2387 N91-23211
ROOS, FREDERICK W.
An experimental study of the turbulent boundary layer on a transport wing in subsonic and transonic flow
[NASA-TM-102206] 11 p1643 N91-19062
Vortex system evolution in 2- and 3-D swept trailing edge flows
[AD-A232692] 15 p2429 N91-23453
ROOS, JOHN BRYAN
STB-White
[NASA-CR-187012] 04 p0477 N91-12662
ROOS, NICO
What is a default
[REPT-90-12] 02 p0252 N91-11400
A formal semantics for the preferred subtheories
[REPT-90-20] 02 p0253 N91-11403
What determines the bulge to disk ratio of galaxies 08 p1260 N91-16942
How to reason with uncertain knowledge, part 2
[REPT-90-70-PT-2] 10 p1589 N91-18761
ROOSENBRAND, ALBERT GERRIT
High-resolution low-energy electron diffraction
[ETN-91-99185] 14 p2325 N91-22843
ROOTS, R.
Genetic changes in Mammalian cells transformed by helium cells
[DE91-013778] 20 p3379 N91-28721
ROPER, J. R.
Development of models for welding applications
[DE91-001101] 04 p0532 N91-12953
RORVIG, MARK E.
General method of pattern classification using the two-domain theory
[NASA-CASE-MSC-21737-1] 05 p0702 N91-13911
ROSA, R. J.
Corrosion and arc erosion in MHD channels
[DE91-008527] 14 p2328 N91-22863
Corrosion and arc erosion in MHD channels
[DE91-016829] 24 p4105 N91-32939
ROSA, RICHARD J.
Corrosion and arc erosion in MHD channels
[DE90-017889] 02 p0274 N91-11539
ROSAKIS, A. J.
The structure of the near tip field during transient elastodynamic crack growth
[AD-A236889] 19 p3181 N91-27589
ROSCHKE, PAUL N.
Failure prediction of thin beryllium sheets used in spacecraft structures
[NASA-CR-188167] 14 p2276 N91-22588
ROSCOE, A. H.
A subjective rating scale for assessing pilot workload in flight: A decade of practical use
[RAE-TR-90019] 05 p0697 N91-13882

ROSE, A. H.
Fiber-optic sensors for aerospace electrical measurements: An update
[NASA-TM-104454] 17 p2779 N91-25381
ROSE, E. A.
Pulsed power considerations for electron beam pumped krypton fluoride lasers for inertial confinement fusion applications
[DE91-007471] 10 p1530 N91-18430
ROSE, HARVEY A.
Concepts in strong Langmuir turbulence theory
[DE91-000208] 02 p0275 N91-11546
ROSE, JAMES D.
Graduated-load spring washer system for screws and threaded fasteners
[AD-D014697] 11 p1714 N91-19436
ROSE, M.
Theory of semiconductor laser feedback instability
[DE91-008198] 13 p2091 N91-21512
ROSE, M. FRANK
Thermal Storage Advanced Thruster System (TSATS) Experimental Program
[NASA-CR-187095] 09 p1301 N91-17138
ROSE, M. S.
Level of dietary fat does not affect fuel oxidation or endurance exercise performance of soldiers
[AD-A235194] 18 p3030 N91-26728
ROSE, ROBERT
CRRES project orbital data processing task
[AD-A234286] 22 p3628 N91-30190
ROSE, W. I.
Planetary materials and resource utilization: An interdisciplinary engineering design course at Michigan Technological University 14 p2205 N91-22180
ROSE, WILLIAM
Report of the panel on volcanology, section 4
13 p2106 N91-21593
ROSE, WILLIAM C.
Numerical investigations in three-dimensional internal flows
[NASA-CR-186958] 01 p0014 N91-10083
Numerical investigations in three-dimensional internal flows
[NASA-CR-187373] 06 p0772 N91-14277
Numerical investigations in three-dimensional internal flows
[NASA-CR-188615] 18 p2921 N91-26114
ROSEMA, A.
Sahelian vegetation monitoring project
[BCRS-90-04] 08 p1167 N91-16426
ROSEMANN, HENNING
The influence of a multiple hot-wire probe geometry on the results of measurements in turbulent flows
[ESA-TT-1182] 12 p1898 N91-20440
ROSEN, A.
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
ROSEN, B. W.
Micromechanical evaluation of ceramic matrix composites
[AD-A236756] 19 p3121 N91-27240
ROSEN, BRUCE S.
Addition of equilibrium air to an upwind Navier-Stokes code and other first steps toward a more generalized flow solver
[NASA-TM-102616] 12 p1899 N91-20447
ROSEN, D.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
ROSEN, DAVID I.
Propulsion simulation for magnetically suspended wind tunnel models
[NASA-CR-182093] 02 p0182 N91-11027
ROSEN, HAROLD H.
Readings on managing organizational quality
[AD-A224888] 03 p0426 N91-12386
ROSEN, I. G.
Approximation methods for the identification and control of distributed parameter systems with applications to flexible structures
[AD-A232805] 15 p2492 N91-23801
ROSEN, JAMES M.
Aerosol optical properties of the free troposphere
[AD-A233268] 16 p2658 N91-24705
ROSEN, M.
Characterization of elastic properties of interfaces in composite materials
[AD-A228119] 07 p0973 N91-15340
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
ROSEN, M. D.
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
Advanced design and modeling concepts for recombination x ray lasers
[DE91-005071] 07 p1008 N91-15536
Scaling laws for femtosecond laser-plasma interactions
[DE90-011496] 08 p1228 N91-16769
Coherent x ray lasers for applications
[DE91-006257] 10 p1528 N91-18416
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
UV Thomson scattering from x ray laser plasmas
[DE91-007347] 11 p1802 N91-19895
A calculation of gain in Ne-like Ag soft x ray lasers
[DE91-009758] 14 p2270 N91-22559
Saturation and kinetic issues for optical-field-ionized plasma x ray lasers
[DE91-012079] 18 p2991 N91-26517
Future directions of laboratory x ray laser research
[DE91-017088] 24 p4024 N91-32487
ROSEN, MICHEL
Near ground sound propagation in wind
[CSTB-2-89-003-4] 24 p4094 N91-32871
ROSEN, R. S.
A normal incidence x ray mirror for 70 angstrom
[DE91-012109] 22 p3752 N91-30915
ROSEN, RICHARD ALEXANDER
Numerical simulations of suspersonic extragalactic radio jets 02 p0296 N91-11660
ROSEN, RICHARD D.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
ROSEN, S. P.
Intrinsic neutrino properties: As deduced from cosmology, astrophysics, accelerator, and non-accelerator experiments
[DE90-016467] 01 p0142 N91-10836
ROSEN, WARREN A.
Optoelectronic devices
[AD-D014618] 06 p0872 N91-14822
ROSENAU, TODD J.
Parallel Access Main Memory (PAMM) user's manual, version 1.0
[AD-A227744] 08 p1206 N91-16635
ROSENBAUM, NATHAN
Data element dictionary: Technical report database, part 1
[AD-A230836] 13 p2169 N91-21969
ROSENBERG, T. J.
Polar communications: Status and recommendations. Report of the Science Working Group
[NASA-TM-105035] 22 p3658 N91-30359
ROSENBERGER, FRANZ
Viscosity measurements at high temperature and high pressure: A novel technique
[NASA-CR-187239] 05 p0711 N91-13967
Definition study for temperature control in advanced protein crystal growth
[NASA-CR-187346] 05 p0722 N91-14029
Morphological stability and kinetics in crystal growth from vapors
[NASA-CR-187650] 05 p0726 N91-14055
Fluid dynamics and low gravity effects of chemical vapor deposition
[NASA-CR-187419] 07 p1001 N91-15495
Nucleation and growth control in protein crystallization
[NASA-CR-187345] 07 p1070 N91-15886
ROSENBERGER, FRANZ E.
The growth of zinc selenide single crystals by physical vapor transport in microgravity
[NASA-CR-180428] 01 p0127 N91-10755
ROSENBLATT, SIMON
Coupled experimental and theoretical investigations of instability, chaos and turbulence in an axisymmetric jet flow
[AD-A225971] 04 p0522 N91-12906
ROSENBLUM, W. M.
Evaluation of advanced light scattering technology for microgravity experiments
[NASA-CR-187965] 10 p1507 N91-18293
ROSENBLUTH, M. N.
Tearing modes in tokamaks with lower hybrid current drive
[DE90-017090] 01 p0126 N91-10743
Unified theory of ballooning instabilities and temperature gradient driven trapped ion modes
[DE90-017091] 01 p0126 N91-10744
Numerical simulation of ion temperature gradient driven modes in the presence of ion-ion collisions
[DE90-017092] 01 p0126 N91-10745
Scaling dimensionally similar tokamak discharges to ignition
[DE90-010079] 08 p1225 N91-16749
A kinetic theory of trapped electron driven drift wave turbulence in a sheared magnetic field
[DE91-004302] 09 p1394 N91-17668
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
ROSENBLUTH, MARY L.
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors 06 p0795 N91-14394
ROSENBURY, E. T.
An x band backward-wave oscillator experiment
[DE90-015119] 01 p0037 N91-10219
ROSENDAL, HANS E.
The 1990 tropical cyclones: Central North Pacific
[PB91-184564] 22 p3710 N91-30647
ROSENFELD, MOSHE
Computations of three-dimensional steady and unsteady viscous incompressible flows 02 p0146 N91-10852
Development of a time-dependent incompressible Navier-Stokes solver based on a fractional-step method
[NASA-CR-187254] 02 p0208 N91-11165
Development of a time-dependent incompressible Navier-Stokes solver based on a fractional-step method
[NASA-CR-182323] 05 p0655 N91-13639
ROSENFELD, YAAKOV
The direct correlation function of a mixture of hard ions in the mean spherical approximation
[AD-A232452] 15 p2505 N91-23879
ROSENFIELD, AZRIEL
Understanding object classes: Modeling and matching
[AD-A235027] 18 p3051 N91-26848
ROSENFIELD, JOAN E.
Residual circulations calculated from satellite data: Their relations to observed temperature and ozone distributions
[NASA-CR-188952] 04 p0610 N91-13391
ROSENGART, ARIE
Automated analysis of foot-ground pressure patterns
[ITN-91-85092] 14 p2301 N91-22714
ROSENSCHEIN, STANLEY J.
The synthesis of intelligent real-time systems
[AD-A230751] 12 p1967 N91-20826
ROSENTHAL, DAVID
Romulus: A computer security properties modeling environment overview, volume 1
[AD-A236128] 22 p3723 N91-30717
Romulus: A computer security properties modeling environment. Volume 2A: The theory of security
[AD-A236129] 22 p3723 N91-30718
Romulus: A computer security properties modeling environment. Volume 2B: MATHESIS
[AD-A236130] 22 p3723 N91-30719
ROSENTHAL, H.
Improved quality acceptance procedure for interlaminar shear strength
[IAITIC-87-1005] 15 p2392 N91-23238
ROSENTHAL, P.
Evidence for cation disorder in in-situ grown YBaCuO superconducting films
[DE91-016760] 24 p4110 N91-32971
ROSENWALD, ROSS DEBNER
The development of the continuous orthonormalization and adjoint methods for solar seismology: Eigenfrequency computation and sensitivity analysis for direct and inverse problems 01 p0140 N91-10827
ROSENZWEIG, C.
Research program in elementary particle theory (task A)
[DE91-016937] 24 p4098 N91-32895
ROSENZWEIG, CARL
Research program in elementary particle theory
[DE90-017284] 02 p0267 N91-11497
ROSENZWEIG, CYNTHIA E.
A global data set of soil particle size properties
[NASA-TM-4286] 22 p3698 N91-30589
ROSER, B. J.
Environmental conditions in the Gulf of Mexico during November-December
[AD-A229384] 22 p3708 N91-30638
ROSHKO, ANATOL
Research on bluff-body vortex wakes
[AD-A229875] 11 p1645 N91-19071
ROSIER, L. H.
Trends in latch-up sensitivity
24 p3998 N91-32345
ROSKAM, JAN
On the feasibility of small, very-long-range civil transports 10 p1456 N91-18028
ROSKE-HOFSTRAND, RENATE
A model human engineering approach to the development of regulatory standards for digital communication technologies: Defining safety from a human-machine systems perspective
24 p3959 N91-32126
ROSKE-HOFSTRAND, RENATE J.
Technological advances for studying human behavior
02 p0163 N91-10947
ROSNER, ROBERT
Solar astronomy 24 p4120 N91-33026

ROSOCHA, L. A.
Pulsed power considerations for electron beam pumped krypton fluoride lasers for inertial confinement fusion applications
[DE91-007471] 10 p1530 N91-18430
ROSS-CLUNIS, H., III
Effects of clinostat rotation on aurelia statolith synthesis 17 p2820 N91-25582
ROSS-TODD, B. M.
Analysis of southeastern Canada lake-water chemistry data in relation to acidic deposition
[DE91-014957] 20 p3371 N91-28674
ROSS, ALPHA D. S.
Transient descriptors as performance criteria in the dynamics and control of vibrating systems 14 p2196 N91-22129
ROSS, BRAD
Stirling machine operating experience
[NASA-TM-104487] 17 p2806 N91-25510
ROSS, BRIAN
Assured crew return vehicle
[NASA-CASE-MSC-21536-1] 05 p0629 N91-13483
ROSS, C.
Structural optimization with constraints from dynamics in LAGRANGE
[MBB-FW522/S/PUB/431] 14 p2234 N91-22362
ROSS, D. W.
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
Dispersion relations of density fluctuations observed by heavy ion beam probe in the TEXT tokamak
[DE91-010422] 14 p2328 N91-22866
On standard forms for transport equations and fluxes, part 2
[DE91-010421] 15 p2511 N91-23912
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918
ROSS, DAN
A finite element conjugate gradient FFT method for scattering 11 p1689 N91-19306
ROSS, DAVID W.
Plasma confinement theory and transport simulation
[DE90-011072] 09 p1400 N91-17705
ROSS, DONALD L.
Object-oriented software requirements specification for the UH-1 helicopter flight simulator
[AD-A225041] 03 p0317 N91-11774
ROSS, DUNCAN B.
The oceanic cloudy atmosphere: Measurement requirements and solution options
[AD-A231121] 13 p2122 N91-21677
ROSS, G. G.
The gluon contribution to polarised nucleon structure functions
[RAL-90-062] 07 p1066 N91-15861
ROSS, HOWARD D.
Surface settling in partially filled containers upon step reduction in gravity
[NASA-TM-103641] 06 p0824 N91-14556
ROSS, ISAAC MICHAEL
First-order singular thrust-arcs in aerospace trajectory optimization 09 p1300 N91-17137
ROSS, J.
Thermodynamics and efficiency in combustion and engines
[DE91-012781] 20 p3310 N91-28320
F/A-18 1/9th scale model tail buffet measurements
[ARL-FLIGHT-MECH-R-188] 22 p3622 N91-30149
ROSS, J. C.
A laser-sheet flow visualization technique for the large wind tunnels of the National Full-Scale Aerodynamics Complex
[NASA-TM-102793] 01 p0045 N91-10268
ROSS, JAMES H.
Automated arc welding system
[AD-A232890] 16 p2635 N91-24585
ROSS, JOHN
Theory and experimental and chemical instabilities
[AD-A234916] 18 p2948 N91-26270
ROSS, M. D.
Macular bioaccelerometers on Earth and in space 17 p2819 N91-25580
ROSS, MARTIN N.
Triton's global heat budget
[NASA-CR-188178] 14 p2354 N91-23018
ROSS, MURIEL D.
Biological neural networks as model systems for designing future parallel processing computers 14 p2355 N91-23027
ROSS, PHILIP N.
Anomalous surface phase formation on Pt3Sn with zone axes group (100)
[DE91-001794] 06 p0807 N91-14456
ROSS, R. G., JR.
Design and application of gas-gap heat switches
[NASA-CR-187339] 01 p0038 N91-10222
ROSS, RICHARD
Aircraft icing handbook, volume 1
[AD-A238039] 21 p3453 N91-29154
Aircraft icing handbook, volume 2
[AD-A238040] 21 p3453 N91-29155
Aircraft icing handbook, volume 3
[AD-A238041] 21 p3454 N91-29156
ROSS, SHELDON M.
Stochastic models in reliability
[AD-A230227] 12 p1910 N91-20501
ROSS, T. J.
Development of a high-imaging speed SEM for dynamically loaded materials
[AD-A229244] 10 p1535 N91-18451
ROSS, TIMOTHY J.
Assessing damping uncertainty in space structures with fuzzy sets 12 p1944 N91-20696
ROSS, WILLIAM
TORCS: A teleoperated robot control system for the self mobile space manipulator
[AD-A236821] 19 p3175 N91-27556
ROSSANO, GRAHAM W.
A method for machinery condition monitoring of transient phenomena using the pseudo Wigner-Ville distribution
[AD-A232014] 15 p2485 N91-23760
ROSSEEL, T. M.
Electron ion interactions in crystal channels: Collisions in ultra-dense electron media
[DE91-004398] 07 p1072 N91-15897
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791
ROSSER, K. E.
Comparison of factors given in ICRU report 23 and IAEA TRS 277 for converting from exposure/air kerma to absorbed dose to water for medium energy x rays
[NPL-RSA(EXT)-15] 24 p3963 N91-32147
ROSSI, C.
Multifrequency behaviour of the T Tauri star RU Lupi 09 p1433 N91-17892
The VV Cep star KQ Puppis 09 p1438 N91-17924
ROSSI, F.
An application of timed Petri nets to S/C operations analysis: The Aristoteles autonomy concept 14 p2215 N91-22241
ROSSI, L.
The OASI observatory in Antarctica 13 p2179 N91-22036
ROSSI, MICHAEL J.
Real time digital control and controlled structures experiments 14 p2232 N91-22344
ROSSIKHIN, YU. A.
Solution of one-dimensional problem in nonlinear theory of elasticity with structured shock wave 11 p1788 N91-19809
ROSSIN, JOSEPH
Spectroscopic analyses and performance of copper/zinc impregnated, activated carbons
[AD-A231693] 14 p2239 N91-22387
ROSSING, T. D.
Effect of guideway discontinuities on magnetic levitation and drag forces
[DE91-014011] 20 p3395 N91-28815
Effect of size and geometry on levitation force measurements between permanent magnets and high-temperature superconductors
[DE91-012472] 20 p3427 N91-29008
ROSSINGTON, C.
Evaluation of the x ray response of a position-sensitive microstrip detector with an integrated readout chip
[DE91-004414] 07 p0998 N91-15482
ROSSITER, J. A.
Application of generalized predictive control to a boiler turbine unit for electricity generation
[OUEL-1823/90] 01 p0039 N91-10229
Casual eigenvector function approximations and the problem of scaling: An algorithm
[OUEL-1822/90] 01 p0110 N91-10644
H 2 and H infinity approximations for eigenvalue/vector functions of transfer matrices
[OUEL-1778/89] 01 p0116 N91-10684
ROSSITER, ROBERT J.
Investigation at two wavelengths of a modulated He-Xe rare gas laser
[AD-A229852] 11 p1713 N91-19434
Logging programmes for trial THUNDERSTOP
[AD-A229854] 12 p1834 N91-20081
A laser ECM and ESM facility
[AD-A236021] 19 p3108 N91-27170
ROSSITO, F.
Meniscus stability in immiscible metals (MASER 1) 23 p3843 N91-31428
ROSSITTO, F.
Liquid phase sintering (TEXUS 8) 23 p3846 N91-31443
ROSSMANITH, R.
A beam position monitor for low current dc beams
[CEBAF-PR-89-004] 06 p0871 N91-14816
ROSSON, NINA Y.
Research into display sharing techniques for distributed computing environments
[NASA-CR-186570] 10 p1567 N91-18615
ROSSON, R. M.
Geophysical monitoring for climatic change
[PB90-222126] 01 p0092 N91-10538
ROSSOW, WILLIAM B.
ISCCP results for the FIRE IFO regions and times 01 p0075 N91-10451
Determination and impact of surface radiative processes for TOGA COARE 19 p3182 N91-27599
ROSTAFINSKI, WOJCIECH
Monograph on propagation of sound waves in curved ducts
[NASA-RP-1248] 07 p1063 N91-15848
ROSTOKER, N.
Stability of annular equilibrium of energetic large orbit ion beam
[DE91-014365] 20 p3419 N91-28963
ROSTOKER, NORMAN
X ray laser
[AD-A236245] 19 p3171 N91-27534
Propagation of a neutralized ion beam
[AD-A236666] 19 p3242 N91-27933
ROSTON, GERRY
Integrated system for single leg walking
[NASA-CR-188072] 12 p1879 N91-20329
ROTACIUC, V.
High resolution imaging for Brackett gamma and H2 1-0 S(1) emission in the Seyfert galaxy NGC 1068
[MPE-PREPRINT-192] 15 p2368 N91-23104
ROTEL, M.
Laser and electrochemical studies of metallizations in electronic devices
[AD-A229747] 12 p1874 N91-20300
Laser and electrochemical studies of metallizations electronic devices
[AD-A229801] 12 p1875 N91-20307
ROTEM, MICHAL
Ruthenium carboxylate complexes, molecular structure and catalytic reactivity
[ITN-91-85073] 07 p0977 N91-15360
ROTENBERG, V.
Review of EEG studies in non human primates exposed to microgravity 11 p1754 N91-19649
ROTENBERG, V. S.
Features of terrestrial nighttime sleep of monkeys and sleep during space flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27728
ROTH, ACHIM
Investigation of vegetation with multifrequency and multipolarization SAR systems 07 p0991 N91-15437
ROTH, CARL
Tutorial guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228402] 10 p1568 N91-18624
User's guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228456] 10 p1569 N91-18625
ROTH, DON J.
Property and microstructural nonuniformity in the yttrium-barium-copper-oxide superconductor determined from electrical, magnetic, and ultrasonic measurements
[NASA-TM-103732] 11 p1719 N91-19463
Spatial variations in ac susceptibility and microstructure for the YBa2Cu3O(7-x) superconductor and their correlation with room-temperature ultrasonic measurements
[NASA-TM-103787] 13 p2099 N91-21553
Ultrasonic evaluation of oxidation and reduction effects on the elastic behavior and global microstructure of YBa2Cu3O7-x
[NASA-TM-104529] 19 p3178 N91-27575
ROTH, GILBERT L.
Lessons learned and their application to program development and cultural issues 20 p3301 N91-28263
ROTH, J. D.
The influence of potential on metal-adsorbate structure: Solvent-independent nature of infrared spectra for Pt(111)/CO
[AD-A237509] 21 p3596 N91-30004
ROTH, J. REECE
The NASA-Lewis program on fusion energy for space power and propulsion, 1958-1978 14 p2200 N91-22148
Safety and environmental constraints on space applications of fusion energy 14 p2200 N91-22149

ROTH, JOHN T.
Features of the Raleigh tornadic storm based on analysis of damage
[AD-A231601] 13 p2123 N91-21684
ROTH, KARLIN R.
Simulation of powered-lift flows
02 p0152 N91-10886
ROTH, M.
Three-micron spectroscopy of highly reddened field stars 06 p0888 N91-14904
Detection of nonlinear features in plasma and field measurements by PROGNOZ-8
06 p0918 N91-15063
Development of a relatchable cover mechanism for a cryogenic IR-sensor 16 p2640 N91-24612
Failure analysis case histories of Canadian forces aircraft landing gear components 20 p3282 N91-28151
ROTH, P. M.
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597
ROTH, R. M.
Protection against UVA-induced photooxidative damage in mammalian cell lines expressing increased levels of metallothionein
[DE91-010791] 17 p2822 N91-25596
ROTH, R. S.
Chemistry of electronic ceramic materials. Proceedings of the International Conference on the Chemistry of Electronic Ceramic Materials
[NASA-CR-188688] 20 p3324 N91-28403
ROTH, SUSAN KIES
Software for aerospace education: A bibliography, 2nd edition
[NASA-PED-106-ED-2] 08 p1201 N91-16601
ROTHAUS, O.
Cellular automata and parallel processing for practical fluid-dynamics problems
[AD-A229234] 09 p1388 N91-17635
ROTHERMEL, H.
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
05 p0739 N91-14125
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
ROTHERMEL, JEFF
Atmospheric aerosol and Doppler lidar studies
24 p4057 N91-32666
ROTHERMEL, JEFFRY
GLObal Backscatter Experiment (GLOBE) Pacific survey mission 17 p2793 N91-25452
Airborne coherent continuous wave CO2 Doppler lidars for aerosol backscatter measurement
17 p2798 N91-25480
ROTHMAN, S. J.
Diffusion in YBa2Cu3O7-(delta)
[DE91-010268] 14 p2337 N91-22920
ROTHSTEIN, A. D.
An experimental investigation of the properties of a non-reacting, supersonic shear layer
[DE91-005856] 10 p1462 N91-18061
ROTHWARF, A.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
ROTHWELL, DEREK ANTHONY
Precise orbit determination and analysis from satellite altimetry and laser ranging (Application of SEASAT data to atmospheric density evaluation)
17 p2738 N91-25157
ROTHWELL, EDWARD J.
Radar target discrimination and identification using extinction-pulses and single-mode extraction pulses
[AD-A232162] 15 p2414 N91-23368
ROTHWELL, P. L.
Anthropometric accommodation of females in Canadian forces aircraft crew stations 02 p0246 N91-11371
ROTONDARO, MATTHEW D.
Continuous wave and pulsed solid state laser model
[AD-A230513] 12 p1904 N91-20474
ROTT, MARTIN
Preliminary investigations into UHCRE thermal control materials 16 p2716 N91-25033
ROTTA, JULIUS C.
Documents on the history of the Aerodynamic Research Establishment at Goettingen, 1907 - 1925
[DLR-MITT-90-05] 08 p1089 N91-15977
ROTTERDAM, ERNEST
Physiological modelling using RL
[ITLI-CT-90-08] 22 p3718 N91-30695
ROTTLER, J. S.
A modified SLIC material interface reconstruction algorithm for Eulerian codes
[DE91-009175] 13 p2133 N91-21740
ROTTMAN, G. J.
Modeling solar Lyman alpha irradiance
03 p0444 N91-12483
ROTTMAN, GARY J.
Wavelength dependence of solar rotation and solar cycle UV irradiance variations 03 p0448 N91-12500
ROTTMAN, MICHAEL S.
A common interface real-time multiprocessor operating system for embedded systems
[AD-A238445] 21 p3557 N91-29770
URV multiprocessor control system and ground station controller software design
[AD-A237532] 22 p3741 N91-30841
ROU, C. S.
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
ROUAN, D.
Near-infrared mapping of spiral barred galaxies
05 p0758 N91-14217
Angular motion of a PAH molecule in interstellar environment 06 p0894 N91-14938
ROUGE, C. J.
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] 17 p2763 N91-25298
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-2] 24 p3979 N91-32229
ROUGE, CARL J.
Oxidation resistant coatings for titanium alloys and titanium alloy matrix composites
[NASA-CASE-LEW-15155-1] 18 p2966 N91-26375
ROUGES, JEAN-MICHEL
Development of C/SiC large parts technology for aerospace plane thermal structures
03 p0331 N91-11848
ROUHI, M.
Comparison of the post-buckling behavior of metallic and composite plates with centrally located cu touts
[PB91-118844] 13 p2101 N91-21563
ROUHI, MASSUD
A comparison of the post-buckling behavior of metallic and composite plates with centrally located cutouts
[IAR-89-11] 07 p1020 N91-15602
ROUNDS, FRED
NSI organization and highlights
18 p3078 N91-27011
The NASA Science Internet: An integrated approach to networking 18 p3081 N91-27041
NSI directed to continue SPAN's functions
18 p3082 N91-27042
ROUNTREE, JANET
Spectral classification of B stars in the ultraviolet
09 p1433 N91-17895
ROUNTREE, LEON C.
The radar range equation for the detection of steady targets in Weibull clutter
[AD-A230441] 12 p1883 N91-20354
ROUS, P. J.
Real-space multiple scattering theory calculations of LEED (Low-Energy Electron Diffraction) intensities for stepped surfaces
[DE91-000810] 05 p0713 N91-13978
ROUSE, B. R.
A synopsis of Langley Research Center's lidar effort for the 1986 FIRE IFO 01 p0076 N91-10457
The new FIRE cloud lidar at Langley Research Center
01 p0081 N91-10482
ROUSE, WILLIAM B.
Assessing the impact of modeling limits on intelligent systems
[NASA-CR-4336] 03 p0398 N91-12210
ROUSEY, CARLTON E.
Spectral calibration analysis of the airborne oceanographic lidar 17 p2880 N91-25925
ROUSH, T. L.
Derivation of mid-infrared (5-25 microns) optical constants of some silicates and palagonite
18 p3088 N91-27077
ROUSH, TED
Potential for the identification of localized water-bearing regions on Mars 17 p2913 N91-26081
Physical and chemical properties of the Martian soil: Review of resources 17 p2913 N91-26084
ROUSSEL-DUPRE, DIANE
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720
ROUSSEL-DUPRE, R.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
ROUSSEL-DUPRE, ROBERT
Transionospheric Propagation Code (TIPC)
[DE91-002435] 05 p0648 N91-13597
Transionospheric propagation calculations for the output of two EMP (Electromagnetic Pulse) simulators
[DE91-001618] 05 p0669 N91-13720
ROUSSEL, P. H.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
ROUSSLANG, KEN W.
Atomic oxygen and ultraviolet radiation mission total exposures for LDEF experiments
16 p2713 N91-25016
Results of examination of silvered Teflon from the Long Duration Exposure Facility 16 p2716 N91-25032
ROUTBORT, J. L.
High-temperature mechanical properties of SiC whisker reinforced Al2O3 composites
[DE91-004424] 07 p0970 N91-15324
Solid-particle erosion of aluminum/particulate ceramic composites
[DE91-006078] 09 p1319 N91-17241
Diffusion in YBa2Cu3O7-(delta)
[DE91-010268] 14 p2337 N91-22920
Creep and diffusion in nonstoichiometric oxides
[DE91-013766] 20 p3329 N91-28435
ROUX, A.
Accuracy of the estimate of J via multipoint measurements 01 p0070 N91-10422
Multipoint study of small-scale structures at the magnetopause 01 p0071 N91-10432
New technologies for integrating thermal control, and radiation protection in hybrid technology
24 p3996 N91-32330
ROUXEL, L.
Compressive failure of thick-section composite laminates with and without cutouts subjected to biaxial loading 01 p0051 N91-10304
ROVER, D. T.
Scalability of parallel algorithm-machine combinations
[DE91-011902] 17 p2837 N91-25679
ROVER, DIANE
The design of a scalable, fixed-time computer benchmark
[DE91-007118] 10 p1566 N91-18609
ROWCLIFFE, A. F.
Mechanical behavior of ceramics and composites
[DE90-017311] 02 p0200 N91-11122
ROWE, E.
Circular Intensity Differential Scattering (CIDS) measurements in the soft x ray region of the spectrum (approximately 16 eV to 500 eV)
[DE91-016429] 24 p4101 N91-32915
ROWE, J. C.
A distributed data acquisition software scheme for the laboratory telerobotic manipulator
[NASA-CR-187841] 07 p1011 N91-15551
Custom electronic subsystems for the laboratory telerobotic manipulator
[NASA-CR-187730] 07 p1011 N91-15554
NASA Laboratory telerobotic manipulator control system architecture
[NASA-CR-187751] 08 p1159 N91-16385
ROWE, JOSEPH
USSR Space Life Sciences Digest, issue 28
[NASA-CR-3922(33)] 04 p0550 N91-13052
USSR Space Life Sciences Digest, issue 29
[NASA-CR-3922(34)] 18 p3019 N91-26669
USSR Space Life Sciences Digest, issue 30
[NASA-CR-3922(36)] 18 p3019 N91-26670
USSR Space Life Sciences Digest, issue 31
[NASA-CR-3922(37)] 22 p3713 N91-30669
ROWE, NEIL C.
DEMON: A media object model incorporating natural language descriptions for retrieval support
[AD-A226711] 06 p0885 N91-14893
Exploiting captions for access to multimedia databases
[AD-A239435] 23 p3936 N91-32000
ROWELL, LAWRENCE F.
Thermal-distortion analysis of a spacecraft box truss in geostationary orbit
[NASA-TP-3054] 02 p0186 N91-11041
Data base architecture for instrument characteristics critical to spacecraft conceptual design
[NASA-TM-4213] 02 p0251 N91-11391
Advanced technology needs for a global change science program: Perspective of the Langley Research Center
[NASA-TM-4196] 06 p0839 N91-14634
Launch vehicle integration options for a large Earth sciences geostationary platform concept
[NASA-TP-3083] 19 p3110 N91-27180

ROWLAND, HARVEY
Large scale plasma irregularities and airglow enhancements from ionospheric heating
10 p1549 N91-18520

ROWLAND, LARRY
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device structures
[AD-A225883] 04 p0518 N91-12885
Pseudomorphic semiconducting heterostructures from combinations of AlN, GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A225893] 04 p0588 N91-13284
Pseudomorphic semiconducting heterostructures from combinations of AlN and GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A230268] 12 p1988 N91-20938

ROWLAND, R. D.
The effects of sunlight and humidity on CF-188 composite resin
[DREP-89-07] 22 p3645 N91-30284

ROWLAND, WAYNE D.
A field-deployable digital acoustic measurement system 15 p2541 N91-24078

ROWLANDS, D. E.
An improved method of investigation of compressor blade fit using holographic interferometry
[AD-A238182] 21 p3459 N91-29185

ROWLANDS, G.
Extraction of dynamical equations from chaotic data
[DE91-011762] 17 p2847 N91-25738

ROWLEN, K. L.
Raman spectroscopy study of solvation structure in acetonitrile/water mixtures
[AD-A234921] 18 p2949 N91-26271
Quantitative investigation of charge-trapping effects on Raman spectra acquired using charge-coupled device (CCD) detectors
[AD-A236101] 19 p3254 N91-28000

ROY, AJIT K.
Strength analysis and design of multilayered thick composite spherical pressure vessels
[AD-A236266] 19 p3180 N91-27585

ROY, CLERMONT
Review of literature on the damage, loss of stiffness, and residual strength of graphite/epoxy laminates subjected to cyclic loading
[NAE-LTR-ST(CR)-1711] 21 p3530 N91-29611

ROY, ERNEST G.
Testing and evaluation of the catalyst research MiniOX 3 oxygen monitor
[AD-A239665] 23 p3906 N91-31807

ROY, G.
Laser detection and mapping of biological simulants 3. Dichotomous sampler measurements of aerosol concentrations as related to lidar signals
[AD-A225321] 03 p0388 N91-12162

ROY, G. S.
Proceedings of the AFOSR/ONR contractors meeting, Combustion, Rocket Propulsion, Diagnostics of Reacting Flow
[AD-A225444] 03 p0324 N91-11805

ROY, M.
Materials analysis and device optimization of CuInSe2 solar cells
[DE90-000365] 01 p0064 N91-10384

ROY, MARC
Dynamic analysis of a combat aircraft with control surface failure
[AD-A230517] 12 p1834 N91-20079

ROY, N. A.
A survey of finite element model updating methods
07 p0956 N91-15259

ROY, R.
Nano-composite desiccation materials
[PB90-247388] 01 p0021 N91-10123
Statistical fluctuations in lasers
[DE91-009540] 13 p2092 N91-21517

ROY, RICHARD
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858

ROYDEN, L.
Plate motion and deformation
[DE91-010466] 18 p3009 N91-26612

ROYDEN, LEIGH
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591

ROYET, J.
Magnet cable manufacturing
[DE91-010210] 15 p2514 N91-23935

ROYET, J. M.
Development of scaling rules for Rutherford type superconducting cables
[DE91-007644] 10 p1610 N91-18886

ROYSTER, DICK M.
Test of superplastically formed corrugated aluminum compression specimens with beaded webs
[NASA-TM-104119] 20 p3319 N91-28373

ROYSTON, JAMES D.
Improved superconducting bearings
[NASA-CASE-GSC-13346-1] 20 p3354 N91-28578

ROZAS, GUILLERMO J.
The supercomputer toolkit and its applications
[AD-A225807] 04 p0555 N91-13077

ROZENBLIT, YAEL
Design and synthesis of peptide surrogates
[ITN-91-85086] 07 p0967 N91-15312

ROZENDAAL, RODGER A.
Variable Sweep Transition Flight Experiment (VSTFE): Unified Stability System (USS). Description and users' manual
[NASA-CR-181918] 16 p2551 N91-24139

ROZGONYI, G. A.
EBIC (Electron Beam Induced Current) contrast of clean, decorated and deuterium passivated Si(Ge) epitaxial misfit dislocations
[DE91-006967] 13 p2160 N91-21912

ROZHAVSKY, A. S.
Coherent charge fluctuations in Josephson junctions and the oscillations of the effective capacitance
[DE91-618098] 20 p3429 N91-29019

ROZHDESTVENSKAYA, M. K.
Methods of obtaining an electrical contact
[AD-A234800] 18 p2979 N91-26453

ROZHKOV, A. V.
Real time analysis systems of the physical parameters of the environment and the state of a human organism for a long term exposure at different gas mixtures and pressure up to 100 bar 15 p2449 N91-23568

ROZNOV, V. B.
Nonstationary processes in the front of high Mach number collisionless quasiperpendicular shock: Dynamics of the ion distribution 06 p0918 N91-15067

RUAN, MILFANG
Optimal control of systems with capacity: Related noises 14 p2226 N91-22310

RUAN, Y. F.
Modal analysis of multistage gear systems coupled with gearbox vibrations
[NASA-TM-103797] 15 p2439 N91-23513
Analytical and experimental study of vibrations in a gear transmission
[NASA-TM-104434] 17 p2782 N91-25395

RUAN, YINGZHENG
Application of complex ray theory in EM scattering and RCS analysis
[AD-A227557] 09 p1322 N91-17256

RUARK, MICHAEL E.
Operating characteristics of xenon gas discharges
[AD-A230660] 12 p1893 N91-20411

RUB, AHARON
Application of the finite element method to fracture and damage problems in laminates
[ITN-91-85065] 07 p1018 N91-15593

RUBACK, P. J.
Biaxial Bianchi type 9 quantum cosmology
[DE91-009610] 14 p2338 N91-22925

RUBEL, GLEN O.
An automated system for measuring the mass flowrate of powders in transport lines
[AD-A225560] 03 p0366 N91-12053

RUBENSTEIN, HOWARD B.
Automated acquisition of evolving informal descriptions
[AD-A225621] 04 p0570 N91-13161

RUBERG, G. E.
Structured meeting techniques identify emergency management issues practitioners really want to see addressed
[DE91-012414] 20 p3436 N91-29069

RUBERTONE, F. S.
Selenia Spazio activities for advanced SAR technological developments 07 p0993 N91-15449

RUBEY, WAYNE A.
High-temperature lubricant analyses using the System for Thermal Diagnostic Studies (STDS): A feasibility study
[AD-A225242] 03 p0344 N91-11929

RUBIANES, JOSE MANUAL
Study of relaxation phenomena for diluted carbon-iron alloys
[ISAL-90-0064] 10 p1498 N91-18243

RUBIN, C. A.
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526

RUBIN, DAVID
De-embedding millimeter-wave integrated circuits with TRL
[AD-A234194] 18 p2978 N91-26442

RUBIN, J. B.
Kinetics of solid-state reactions in Ni-Zr thin films
[DE91-013652] 20 p3430 N91-29028
Metastable phase equilibria in co-deposited Ni(1-x)Zr(x) thin films
[DE91-013653] 20 p3430 N91-29029

RUBIN, K. S.
ALLY: An operator's associate for satellite ground control systems 12 p1946 N91-20706

RUBIN, M. B.
A continuum tensile failure model with friction
[DE90-018006] 02 p0226 N91-11265

RUBIN, ROBERT H.
Far-infrared spectroscopy of NGC 6946, IC 342, and Arp 299 05 p0737 N91-14114
Interstellar extinction at 10-20 microns
06 p0910 N91-15025

RUBIN, S. G.
A pressure flux-split technique for computation of inlet flow behavior 13 p2012 N91-21068
Solution of three-dimensional afterbody flow using reduced Navier-Stokes equations
13 p2016 N91-21093

RUBINO, R. A.
Turnable blue-green LIDAR transmitter demonstration: Injection laser technology
[AD-A228425] 09 p1340 N91-17362

RUBINSTEIN, F. M.
Fixture efficiency program
[DE91-014470] 20 p3340 N91-28498

RUBINSTEIN, M.
Characterization of vertical electric fields and associated voltages induced on an overhead power line from close artificially initiated lightning
[DE91-010781] 18 p3016 N91-26656

RUBINSTEIN, MARCOS
Characterization of vertical electric fields and associated voltages induced on a overhead power line from close artificially initiated lightning 24 p4051 N91-32629
Voltages induced on a power distribution line by overhead cloud lightning 24 p4069 N91-32734

RUBINSTEIN, MENACHEM
Soluble cytokine-receptors are present in normal human urine 14 p2294 N91-22684

RUBIO, A.
Transit time for resonant tunneling
[DE91-617799] 20 p3429 N91-29018

RUBIOLA, ENRICO
Recent developments of Loran-C in Europe
17 p2858 N91-25805

RUBLOFF, G. W.
Surface etching and roughening in integrated processing of thermal oxides
[AD-A234960] 18 p2980 N91-26456

RUBY, D. S.
Processing experiments for development of high-efficiency silicon solar cells
[DE91-002698] 06 p0841 N91-14645

RUCK, B.
Distortion of LDA fringe pattern by tracer particles
[SFB-210/E/59] 01 p0048 N91-10286

RUCK, DENNIS WILLIAM
Characterization of multilayer perceptrons and their application to multisensor automatic target detection
[AD-A229035] 09 p1393 N91-17664

RUCK, GERHARD
A process for unstationary velocity and turbulence measurements with a pneumatic measuring wedge probe
[MITT-33] 08 p1146 N91-16310

RUCKER, MICHELLE A.
High-pressure promoted combustion chamber
[NASA-CASE-MSC-21470-1] 13 p2029 N91-21157

RUCKMAN, MARK W.
Near-edge study of gold-substituted YBa2Cu3O(7-delta)
[NASA-TM-105220] 23 p3932 N91-31977

RUDASHEVSKIY, YE. G.
Phenomenological theory of phase transitions to nonhomogeneous noncommensurate phase with superconducting current 11 p1789 N91-19817

RUDBERG, BJORN
NDRE/TAll processor architecture study
[FFI-90/7012] 05 p0699 N91-13891

RUDD, E. J.
The development of aluminum-air batteries for application in electric vehicles
[DE91-016863] 23 p3862 N91-31533

RUDD, JAMES L.
Determination of the short crack effect in 2090-T8E41 aluminum lithium 02 p0222 N91-11242

RUDD, R. F.
Digital audio broadcasting: The first UK field trial
[BBC-RD-1991/2] 17 p2766 N91-25311
RUDDELL, MARK J.
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
RUDDER, R. A.
Semiconductor diamond technology
[AD-A228607] 09 p1410 N91-17758
Semiconductor diamond technology
[AD-A228608] 09 p1410 N91-17759
Semiconductor diamond technology
[AD-A233085] 16 p2694 N91-24915
Semiconductor diamond technology
[AD-A233293] 16 p2694 N91-24919
RUDDERMAN, W.
Measurement of molybdenum mirror reflectivities
[DE91-013318] 22 p3754 N91-30927
RUDE, M. A.
Description of the bistatic radar terrain measurements system equipment
[AD-A226808] 06 p0818 N91-14517
RUDEN, P. PAUL
IR detectors based on n-i-p-i superlattices
06 p0798 N91-14408
RUDGE, FREDERICK W.
Relationship of menstrual history to altitude chamber decompression sickness 02 p0248 N91-11379
RUDISILL, MARIANNE
Microgravity cursor control device evaluation for Space Station Freedom workstations 12 p1948 N91-20717
RUDNICK, J.
Oscillational instabilities in single mode acoustics levitators 13 p2066 N91-21376
RUDNICK, JOSEPH
Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU]
06 p0870 N91-14807
RUDOLPH, ALEXANDER
Interferometric molecular line observations of W51
06 p0896 N91-14950
RUDOLPH, FREDERICK M.
Diverter decision aiding for in-flight diversions
[NASA-CR-182070] 04 p0480 N91-12677
RUDOLPH, H.
Photoelectron spectroscopy of excited molecular states
[DE90-012088] 09 p1395 N91-17673
RUDOLPH, TERENCE
Development and application of linear and nonlinear methods for interpretation of lightning strikes to in-flight aircraft
[NASA-CR-3974] 01 p0094 N91-10548
RUDOLPH, TERENCE H.
The effects of the exhaust plume on the lightning triggering conditions for launch vehicles
24 p4056 N91-32656
Electron distribution functions in electric field environments 24 p4068 N91-32726
RUDY, DAVID H.
A comparative study of Navier-Stokes codes for high-speed flows 02 p0149 N91-10869
Computation of laminar viscous-inviscid interactions in high-speed internal flows 13 p2016 N91-21087
RUE, D. L.
Operations management system
09 p1280 N91-17036
RUEB, JUSTIN D.
KC-135 ground collision avoidance system questionnaire
[AD-A234385] 18 p2923 N91-26125
Evaluation of the C/EC/KC-135 Ground Collision Avoidance System (GCAS), study 1
[AD-A235301] 18 p2924 N91-26130
RUEDIGER, J.
Pores in aluminium alloys (TEXUS 3)
23 p3847 N91-31447
RUEDY, RETO A.
Comparison of solar and other influences on long-term climate 03 p0443 N91-12477
RUEGER, M. L.
An experimental investigation of the effect of vortex generators on the aerodynamic characteristics of a NACA 0021 airfoil undergoing large amplitude pitch oscillations
[DE91-012102] 20 p3279 N91-28133
RUEGG, R.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
RUEGSEGGER, P.
Aragatz Mission: Bone densitometric results obtained with the SCOOP miniscanner 11 p1761 N91-19690
RUEHL, KAREN
Synthesis and characterization of polysilanes
[AD-A235357] 18 p2965 N91-26370
RUEL, CRISTIAN
Thermal balance testing of the Anik-E spacecraft
11 p1657 N91-19131
RUFF, GARY ALLEN
Structure and mixing properties of the near-injector region of nonevaporating pressure-atomized sprays
03 p0362 N91-12028
RUFF, IRWIN
The impact of NOAA satellite soundings on the numerical analysis and forecast system of the People's Republic of China. Part 1: FGGE data. Part 2: December 1987 data
[AD-A227463] 09 p1366 N91-17506
RUFF, RUDY
Acceleration effects observed in optical data taken in Spacelab 3 FES 03 p0429 N91-12405
RUFFIN, CHRISTOPHER, III
A densitometric analysis of commercial 35mm films
19 p3275 N91-28119
RUFFIN, STEPHEN M.
Progress in computing nozzle/plume flow fields
02 p0149 N91-10872
RUGGIERO, FRANK H.
Mesoscale features of a winter storm: Dual Doppler velocity fields and differential reflectivity
[AD-A227342] 06 p0850 N91-14692
RUGGLES, A.
Variable speed gas engine-driven air compressor system. Phase 1: System analysis
[PB91-159533] 18 p2993 N91-26530
RUGGLES, M. B.
Design methodology needs for fiber-reinforced ceramic heat exchangers
[DE90-016659] 01 p0030 N91-10178
The rate (time)-dependence mechanical behavior of modified 9Cr-1Mo. Part 2: Isothermal modeling at 538 C
[DE91-011100] 20 p3315 N91-28350
The rate (time)-dependent mechanical behavior of modified 9Cr-1Mo steel. Part 1: Experiments at 538 C
[DE91-011097] 20 p3360 N91-28615
RUGGLES, STEPHEN L.
Support system for a 1750A VHSIC multiprocessor
[NASA-TM-102754] 07 p1000 N91-15490
Phase-lock-loop application for fiber optic receiver
[NASA-TM-102776] 13 p2076 N91-21435
RUIJGROK, T. W.
Integrable Hamiltonian system in 2N dimensions
[DE91-619585] 13 p2143 N91-21798
RUIJSENAARS, S. N. M.
Finite-dimensional soliton systems
[CWI-AM-R9005] 03 p0411 N91-12296
RUITER, A. J. M.
Lightning protection of the Fokker 100 CFRP rudder
24 p4048 N91-32612
RUITER, J. R.
Plasma turbulence calculations on the Intel iPSC/860 (RX) hypercube
[DE91-004773] 07 p1070 N91-15884
RUIZ, C.
Modelling of the impact response of fibre-reinforced composites
[OUEL-1863/90] 13 p2044 N91-21244
A new type of shear specimen for measuring the interlaminar shear strength under impact loading
13 p2044 N91-21246
Stress wave propagation in hybrid composite materials
13 p2045 N91-21249
Modelling of the impact response of fibre-reinforced composites
[AD-A232658] 15 p2396 N91-23266
RUIZ, D.
Application of high speed photography to the study of high strain rate materials testing
[OUEL-1852/90] 11 p1709 N91-19411
RUIZ, J.
Beneficiation of lunar ilmenite feedstock
17 p2749 N91-25211
Ilmenite beneficiation and high-precision analyses of extraterrestrial material 17 p2751 N91-25228
RUIZ, JOAQUIN
Beneficiation of lunar ilmenite
16 p2593 N91-24368
RUIZ, MARILYN S.
Cartographic issues in the development of a digital GRASS database
[AD-A227582] 08 p1166 N91-16416
RUIZENDAAL, P. F.
Description of sea wave motion and its influence on the altitude control of sea skimming missiles
[FEL-89-A368] 05 p0622 N91-13450
WASP, the Weapon Analysis and Simulation Program
[FEL-90-A322] 24 p4084 N91-32813
RUKAVICIN, A.
RELICT 2 project: Scientific program and structure
13 p2174 N91-21998
RUKAVINA, JOHN P.
Modification of axial-flow compressor stall margin by variation of stationary blade setting angles
[AD-A238406] 21 p3459 N91-29186
RULE, D. L.
Thermal conductivity of a polyimide film between 4.2 and 300 K, with and without alumina particles as filler
[PB91-144402] 16 p2604 N91-24431
RULE, W. K.
Empirical predictions of hypervelocity impact damage to the space station
[NASA-TM-103550] 22 p3728 N91-30751
RULE, WILLIAM K.
MLIBlast: A program to empirically predict hypervelocity impact damage to the Space Station
[NASA-CR-184153] 14 p2234 N91-22363
RULE, WILLIAM KEITH
Characterization of space station multilayer insulation damage due to hypervelocity space debris impact
10 p1633 N91-19007
RULEV, D. N.
Flight control during investigations on board specialized space module of the 'Gamma' project
14 p2213 N91-22229
RUMITZ, M.
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009
RUMMEL, JOHN A.
A systems approach to the physiology of weightlessness 17 p2820 N91-25584
RUMMEL, JOHN D.
Transpiration during life cycle in controlled wheat growth 23 p3905 N91-31795
RUMMEL, REINHARD F.
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
RUMSEY, CHRISTOPHER LOCKWOOD
Development of a grid-independent approximate Riemannsolver
[NASA-TM-104946] 14 p2189 N91-22090
RUMSEY, M. A.
A 34-meter VAWT (Vertical Axis Wind Turbine) point design
[DE91-004565] 09 p1356 N91-17449
RUNDLE, JOHN B.
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591
RUNNELS, MARK H.
Impact of automation and data link enhancements on oceanic air traffic control 24 p3958 N91-32117
RUNO, STEVEN C.
Gulfstream 4 flight management system
04 p0461 N91-12574
RUNT, J. P.
Cocrystallization in blends of poly(butylene terephthalate) and poly(ester-ether) segmented block copolymers
[DE91-012224] 20 p3329 N91-28438
RUNYON, DEBRA L.
Temperature climatology for 128 Navy installations in the CONUS and Hawaii
[AD-A232993] 16 p2659 N91-24712
RUOFF, A. L.
Fundamental studies of electronic packaging materials and structures: Surface and interfaces
[AD-A232336] 15 p2420 N91-23403
Studies of the III-V compounds in the megabar regime
[DE91-015911] 23 p3932 N91-31973
RUOFF, CARL F.
Multi-fingered robotic hand
[NASA-CASE-NPO-15959-2] 06 p0835 N91-14616
RUPEN, MICHAEL P.
Disk mass densities in edge-on spiral galaxies
05 p0735 N91-14108
RUPKE, E.
Design of lightning protection for a full-authority digital engine control 24 p4066 N91-32717
Certification of lightning protection for a full-authority digital engine control 24 p4067 N91-32718
RUPLEY, F. M.
Surface Chemkin (version 3.7): A FORTRAN package for analyzing heterogeneous chemical kinetics at a solid-surface-gas-phase interface
[DE91-010840] 18 p2951 N91-26285
RUPNIK, D.
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones
[DE91-008144] 12 p1975 N91-20867
RUPP, R.
Floating zone growth of GaAs crystals (TEXUS 20)
23 p3835 N91-31386

RUSCONI, L.
Atlas of far UV and optical spectra of Be stars
09 p1434 N91-17897
RUSEK, JOHN
Solid rocket propulsion applications for advanced polymers
16 p2576 N91-24279
RUSH, J. J.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0198 N91-11108
RUSHBY, JOHN
What FM can offer DFCS design
09 p1377 N91-17565
A verified model of fault-tolerance
09 p1377 N91-17568
Evaluation of an expert system for fault detection, isolation, and recovery in the manned maneuvering unit
[NASA-CR-187466] 09 p1384 N91-17613
Engineering for artificial intelligence software
[AD-A234793] 18 p3045 N91-26814
Formal specification and verification of a fault-masking and transient-recovery model for digital flight-control systems
[NASA-CR-4384] 19 p3232 N91-27868
RUSHING, DOUG
Fluid handling 2: Surgical applications
24 p4080 N91-32790
RUSJAN, E.
Particle theory and cosmology
[DE91-017730] 24 p4122 N91-33041
RUSPINI, ENRIQUE H.
The semantics of fuzzy logic
12 p1966 N91-20820
Advanced methods of approximate reasoning
[AD-A232140] 15 p2494 N91-23814
RUSS, C. E., JR.
Laser transit anemometer measurements of a JANNAF nozzle base velocity flow field
[NASA-TM-102725] 03 p0368 N91-12063
Laser transit anemometer and Pitot probe comparative measurements in a sharp cone boundary layer at Mach 4
[NASA-TM-104101] 19 p3169 N91-27523
RUSS, G. PRICE, III
Operation of inductively coupled plasma source mass spectrometers in the peak jumping mode
[DE91-001766] 05 p0664 N91-13689
Reduction of multielement mass spectra
[DE91-001767] 07 p0976 N91-15354
RUSS, KEITH M.
A full field, 3-D velocimeter for microgravity crystallization experiments
[NASA-CR-188147] 14 p2253 N91-22465
RUSSEL, A. P. G.
Detection of an isotopic short submillimeter CO line: Column densities of warm gas in molecular clouds
[MPE-PREPRINT-178] 11 p1817 N91-19976
RUSSEL, S. S.
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185
RUSSELL, C.
AI techniques for a space application scheduling problem
14 p2313 N91-22776
RUSSELL, C. RAY
Facilitating researcher use of flight simulators
04 p0599 N91-13340
RUSSELL, C. T.
PROMIS series. Volume 8: Midlatitude ground magnetograms
[NASA-TM-105048-VOL-8] 22 p3774 N91-31048
RUSSELL, D. A.
Fundamental studies of fusion plasmas
[DE91-015656] 21 p3589 N91-29964
RUSSELL, D. H.
Development of laser-ion beam photodissociation methods
[DE91-000680] 06 p0805 N91-14448
RUSSELL, D. J.
Energy dissipation in chemical reactions on ultrafast timescales
[DE91-012342] 20 p3309 N91-28315
RUSSELL, G. A.
SANDAC V computer electromagnetic interface characteristics: Problems and solutions
[DE91-014334] 20 p3436 N91-29065
RUSSELL, G. J.
International workshop on cold neutron sources
[DE91-017559] 24 p4097 N91-32891
RUSSELL, J. E.
Mechanical properties and modeling of seal-forming lithologies
[DE91-010741] 17 p2784 N91-25404
RUSSELL, J. M., III
An interim reference model for the variability of the middle atmosphere H2O vapor distribution
19 p3189 N91-27635
RUSSELL, JAMES W.
Aerobrake assembly with minimum Space Station accommodation
[NASA-TM-102778] 13 p2034 N91-21183
RUSSELL, K. D.
Living PRAs (Probabilistic Risk Analysis) made easier with IRRAS (Integrated Reliability and Risk Analysis System)
[DE90-010938] 08 p1161 N91-16395
RUSSELL, L.
High-speed MLS databases using the datacycle architecture
[DE91-011172] 17 p2888 N91-25969
RUSSELL, LOUIS M.
Visualization techniques to experimentally model flow and heat transfer in turbine and aircraft flow passages
[NASA-TM-4272] 19 p3163 N91-27489
RUSSELL, LYNN D.
Aero-optics analysis
[AD-A234647] 19 p3244 N91-27942
RUSSELL, P.
Spatial dynamics of picosecond CO2 laser pulses produced by optical switching in Ge
[DE91-010368] 15 p2433 N91-23476
RUSSELL, PHILIP B.
Science requirements and feasibility/design studies of a very-high-altitude aircraft for atmospheric research
17 p2799 N91-25481
RUSSELL, R. A.
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
Preparation of YBa2Cu3O(x) superconductor via ternary precursors
[DE91-011121] 17 p2873 N91-25890
Formation of intermediate compounds during reduced pressure calcination of Y-Ba-Cu-O precursor
[DE91-011179] 18 p3071 N91-26971
RUSSELL, RAY W.
Si3N4 emissivity and the unidentified infrared bands
06 p0893 N91-14935
Observational constraints on interstellar dust models
06 p0904 N91-14996
The 10 micron spectral structure in comets
06 p0906 N91-15004
Comparison of P/Brorsen-Metcalf and P/Halley in the thermal infrared
12 p2004 N91-21027
Silicates and variability in comets Okazaki-Levy-Rudenko (1989r) and Austin (1989c1)
12 p2004 N91-21031
RUSSELL, ROBERT L.
C-130 electronic cockpit: Reliability And Maintainability Technology Insertion Program (RAMTIP)
10 p1464 N91-18073
RUSSELL, S. D.
Photoresponse studies of ion-damaged germanium for optoelectronic switch applications
[AD-A232091] 15 p2419 N91-23400
Laser processing of Silicon On Sapphire (SOS) for fabrication of bipolar transistors
[AD-A233390] 16 p2621 N91-24511
RUSSELL, S. M.
Lightweight disk alloy development
[AD-A237064] 21 p3481 N91-29309
RUSSELL, SAMUEL S.
Image correlation nondestructive evaluation of impact damage in a glass fiber composite
10 p1487 N91-18194
RUSSELL, STEPHEN D.
Tapered fiber amplifier
[AD-D014629] 06 p0817 N91-14512
Fiber bundle homogenizer and method utilizing same
[AD-D014599] 07 p1007 N91-15526
Responsivity uniformity enhancements for Backside-Illuminated Charge-Coupled Devices (BICCDs) by excimer laser-assisted etching
[AD-A237435] 21 p3595 N91-29997
RUSSELL, T.
Plasma assisted NO(x) reduction in existing coal combustors
[DE91-007380] 11 p1734 N91-19536
RUSSELL, T. P.
Interdiffusion at the bilayer polymer interface: Evidence for reptation
[DE91-004405] 10 p1504 N91-18276
RUSSELL, THOMAS P.
Characterization of the thermal degradation of selected energetic materials and mixtures by Rapid-Scan Fourier Transform Infrared (RSFTIR) spectroscopy
[AD-A226421] 04 p0512 N91-12844
RUSSELL, YVONNE
Customer requirements process
18 p3078 N91-27012
RUSSO, C. J.
Strength and toughness of tailored ceramic microstructures
[AD-A232911] 16 p2605 N91-24433
RUSSO, CARL J.
Success criteria for oxide superconductor wires: Measuring the present, predicting the future
05 p0723 N91-14034
Oxide superconductor coils: Present successes, future challenges
05 p0724 N91-14046
RUSSO, J. M.
Remote determination of soil moisture and evapotranspiration from thermal infrared measurements: Detection of a drying threshold
[PB91-195818] 21 p3535 N91-29641
RUSSO, S. G.
Field evaluation of six protective coatings applied to T56 turbine blades after 500 hours of engine use
[ARL-MAT-TM-405] 23 p3797 N91-31179
RUST, DAVID M.
Activities and accomplishments of the Center for Applied Solar Physics, 1987 - 1990
[AD-A228773] 08 p1268 N91-16980
RUST, THOMAS
Investigation of accidental DC-7 fire damage occurring June 28, 1989
[DOT/FAA/CT-TN89/55] 09 p1275 N91-17008
RUSTAMOV, S. R.
Intracavity second-harmonic generation by laser with optical delay line and mode locking
11 p1788 N91-19808
RUSTAMYAN, O. N.
Orthostatic stability of dehydrated healthy men
19 p3210 N91-27746
RUSTANDI, R. R.
The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752
RUSTGI, M. L.
Change in density of states in a resonant tunneling structure due to a scattering center in the well
[AD-A225861] 04 p0588 N91-13283
RUTGERS, W. R.
Measurements of inception time lags of repetitively pulsed corona in air
23 p3941 N91-32028
RUTH, CARL R.
A new high-progressivity/high-density propulsion concept: Partially cut multiperforated stick propellant
[AD-A234255] 18 p2969 N91-26391
Experimental hypervelocity firings using stick and granular propellant configurations
[AD-A238628] 21 p3493 N91-29384
RUTH, R. D.
SLED II: A new method of RF pulse compression
[DE91-000058] 08 p1125 N91-16183
Computation of invariant tori in 2 (1/2) degrees of freedom
[DE91-007424] 11 p1782 N91-19778
Refinement of the Hamilton-Jacobi solution using a second canonical transformation
[DE91-012965] 20 p3392 N91-28798
RUTHERFORD, A. W.
Aero-thermal investigation of a highly loaded transonic linear turbine guide vane cascade. A test case for inviscid and viscous flow computations
[VKI-TN-174] 15 p2426 N91-23437
RUTHERFORD, D. A.
Intrinsic neutron source strengths in uranium solutions
[DE91-016091] 23 p3925 N91-31933
RUTHERFORD, JOHN
Technology needs for high-speed rotorcraft
[NASA-CR-177578] 15 p2374 N91-23136
RUTKOWSKI, H. L.
Characterization of the plasma-switch interaction in the LBL HIF ion source
[DE91-009479] 13 p2159 N91-21902
RUTLEDGE, SHARON K.
Effects of dust accumulation and removal on radiators surfaces on Mars
[NASA-TM-103704] 12 p1858 N91-20204
Atomic oxygen interaction with solar array blankets at protective coating defect sites
12 p1951 N91-20732
The effect of atomic oxygen on polysiloxane-polyimide for spacecraft applications in low Earth orbit
12 p1951 N91-20735
Flexible fluoropolymer filled protective coatings
15 p2539 N91-24062
Durability evaluation of photovoltaic blanket materials exposed on LDEF tray S1003
16 p2720 N91-25062
Thermal emittance enhancement of graphite-copper composites for high temperature space based radiators
[NASA-TM-105178] 21 p3485 N91-29332

Low Earth orbital atomic oxygen micrometeoroid, and debris interactions with photovoltaic arrays
22 p3639 N91-30248

RUTLEDGE, W. H.
Grid sensitivity in low Reynolds number hypersonic continuum flows
[DE91-010875] 17 p2730 N91-25118
Effect of the grid system on heat transfer computations for high speed flows
[DE91-010874] 17 p2778 N91-25375

RUTLEDGE, WALTER H.
Effect of bulk viscosity in low density, hypersonic blunt body flows
[DE90-012756] 05 p0616 N91-13419

RUTLEDGE, WALTER HARMON
High-altitude hypersonic aerodynamics of blunt bodies
09 p1273 N91-16996

RUTLER, J. C.
Signal blending in control systems structural interactions
[BU-505] 14 p2197 N91-22132

RUTTEN, J. J. M. M.
A parallel object-oriented language: Design and semantic foundations
[CWI-CS-R8953] 03 p0404 N91-12247
Concurrency semantics based on metric domain equations
[CWI-CS-R8954] 03 p0404 N91-12248
Deriving denotational models for bisimulation from structured operational semantics
[CWI-CS-R8955] 03 p0412 N91-12301
From failure to success: Comparing a denotational and a declarative semantics for Horn clause logic
[CWI-CS-R9019] 10 p1572 N91-18649
Fully abstract denotational models for nonuniform concurrent languages
[CWI-CS-R9027] 10 p1573 N91-18654
The failure of failures: Towards a paradigm for a synchronous communication
[RUU-CS-90-40] 23 p3911 N91-31835

RUTTEN, JAN J. M. M.
Semantic models for a version of PARLOG
[CWI-CS-R8951] 03 p0403 N91-12245
Control flow versus logic: A denotational and a declarative model for guarded Horn clauses
[CWI-CS-R8952] 03 p0403 N91-12246
A layered semantics for a parallel object-oriented language
[CWI-CS-R9052] 17 p2834 N91-25660
Nonwellfounded sets and programming language semantics
[CWI-CS-R9063] 17 p2835 N91-25665
Explicit canonical representatives for weak bisimulation equivalence and congruence
[CWI-CS-R9062] 17 p2845 N91-25724

RUTTEN, L. M. W. J.
Inventory and functional prototypes of neural networks
[TR-90-15] 23 p3917 N91-31880

RUUSUNEN, JUKKA
Models of intertemporal bargaining
[REPT-A-36] 22 p3748 N91-30894

RUVALDS, J.
Superconducting materials
[DE91-004236] 07 p1071 N91-15893

RUXIANG, WANG
Experimental study of gas kinetics of a fast-axial flow kilowatt CO2 laser
[AD-A237178] 21 p3523 N91-29565

RUXUN, LIU
The computer algebra approach of the finite difference methods for PDEs
[DE90-631581] 06 p0867 N91-14790

RUZAKOWSKI, PATRICIA HENRIETTA ANNE
Ion beam sputtered coatings of bioglass
[NASA-CR-188778] 20 p3321 N91-28384

RUZIC, D. N.
Modeling and analysis of surface roughness effects on sputtering, reflection, and sputtered particle transport
[DE91-004429] 05 p0722 N91-14028
An assessment of the lifetime of Faraday shield elements
[DE91-012228] 20 p3334 N91-28463

RUZMAIKINA, TAMARA V.
Formation and evolution of the protoplanetary disk
14 p2345 N91-22964

RYALL, ALAN
Analysis of high frequency seismic data
[AD-A231804] 14 p2286 N91-22640

RYALL, T. G.
Flight flutter test techniques at ARL
[AD-A227754] 07 p0945 N91-15178
Use of photogrammetry to measure a plate vibration mode
[AD-A227753] 07 p1015 N91-15572
Vibration of a rectangular cantilever plate
[AD-A227755] 07 p1015 N91-15573

RYAN, E.
Impact processes in the Solar System: New understandings through numerical modeling
11 p1820 N91-19996

RYAN, EILEEN V.
A spectral difference between silicates in Comet Halley and interstellar silicates 06 p0906 N91-15002

RYAN, J.
Temperature compensation of PMOS dosimeters
24 p3996 N91-32336

RYAN, J. W.
Crustal Dynamics Project data analysis, 1990
[NASA-TM-100765] 06 p0847 N91-14679

RYAN, JAMES E.
The Navy standard compressed aeronautical chart database
[AD-A235340] 18 p3003 N91-26587

RYAN, JAMES STEVENSON
Application of computational fluid dynamics to three-dimensional bodies in hypersonic flow
02 p0210 N91-11174

RYAN, L. E.
LEO space environmental effects: TRW LDEF experimental trays 16 p2714 N91-25024
LDEF SP-HVDE (space plasma-high voltage drainage experiment) post-flight data on spacecraft leakage current and discharge 16 p2720 N91-25064

RYAN, LAURIE E.
Stochastic satbility and performance robustness of linear multivariable systems 11 p1639 N91-19038

RYAN, P. M.
The effect of realistic antenna geometries on plasma loading predictions
[DE91-010782] 15 p2411 N91-23353
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
An assessment of the lifetime of Faraday shield elements
[DE91-012228] 20 p3334 N91-28463

RYAN, PATRICK F.
Acidic deposition: Its nature and impacts
[DE91-001984] 06 p0843 N91-14658

RYAN, PATRICK T.
Optical phase conjugation via stimulated Brillouin scattering in multimode optical fiber
[AD-A227054] 06 p0874 N91-14833

RYAN, PAUL R.
Satellite surveillance and communications airline benefits: The telephone myth 24 p3959 N91-32124

RYAN, ROBERT E.
Flight mission control for multiple spacecraft
14 p2208 N91-22195

RYAN, RODGER
Multiplexer/amplifier test results for SP-100
[DE91-004504] 05 p0715 N91-13990

RYAZANOVA, E. E.
Long-term and short-term planning of x ray and gamma observations on board the Earth satellites
14 p2213 N91-22228

RYBOWIAK, ANN
Computer-based instruction Authoring Tools System (CATS): Student guide
[AD-A225782] 04 p0562 N91-13116

RYCHNOVSKY, R. E.
Liquid propellant injector/combustor tests
16 p2580 N91-24298

RYCKMAN, S. J., JR.
AQUIS: An air quality and permit information management system
[DE91-011750] 18 p3008 N91-26608

RYCROFT, M. J.
Oblique heating of the auroral ionosphere by LF/MF transmitters 10 p1550 N91-18524
Causes and effects of interactions between energetic electrons and whistler-mode waves in the coupled magnetosphere-ionosphere-atmosphere system
10 p1552 N91-18537

RYDBECK, G.
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
05 p0739 N91-14125
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
Proceedings of 146th IAU Symposium on Dynamics of Galaxies and Molecular Cloud Distribution
[PB91-123661] 11 p1819 N91-19994

RYDER, D. E.
Procedures for Quality Assurance Program
[DE90-010001] 08 p1161 N91-16393
Quality Assurance Manual
[DE91-012618] 18 p2998 N91-26555

RYDER, JOHN K.
Modelling and analysis of kernel function and development of equivalent Theodorsen function for three-dimensional aeroelastic analysis
[AD-A230628] 12 p1971 N91-20844

RYLANDS, J. M.
Evaluating the effectiveness of active noise reduction in flight helmets
[DCIEM-88-RR-34] 22 p3751 N91-30906

RYLANDS, JULIA M.
Assessing the efficacy of active noise reduction
[CTN-91-60200] 23 p3923 N91-31922

RYMES, M.
SERI Solar Radiation Resource Assessment Project
[DE91-002164] 24 p4040 N91-32575

RYNE, R.
A chopper driven 11.4-GHz traveling-wave RF generator
[DE91-013568] 20 p3339 N91-28489

RYNE, R. D.
Relativistic klystron research for future linear colliders
[DE91-008063] 11 p1797 N91-19862

RYNE, ROBERT D.
Relativistic kylstron simulations using RKTW2D
[DE91-001747] 05 p0652 N91-13619

RYNNE, EDWARD F.
Piezoelectric sandwich polymer transducer
[AD-D014650] 11 p1696 N91-19341

RYTER, CHARLES
Red fluorescence and 3-12 micron emission in NGC 2023, HD 44179, M 82, and Lynds 1780
06 p0891 N91-14924

RYTER, F.
H-mode energy confinement scaling from the ASDEX, DIII-D, and jet tokamaks
[DE91-015145] 21 p3588 N91-29957

RYU, CHONG S.
Satellite charge control with lithium ion source and electron emission
[AD-A231956] 14 p2233 N91-22357

RYU, KWAN WOO
Efficient parallel algorithms on the network model
[AD-A227144] 06 p0863 N91-14771

RYU, SI-OK
Thermal modeling of a Ni-H2 battery cell
[NASA-CR-188538] 17 p2768 N91-25319

RYUMIN, V. V.
Flight control during investigations on board specialized space module of the 'Gamma' project
14 p2213 N91-22229

RYUTOVA, M.
Propagation of magnetoacoustic waves in the solar atmosphere with random inhomogeneities of density and magnetic fields
[DE90-017616] 01 p0141 N91-10831
Nonlinear magnetosonic waves in an inhomogeneous plasma 06 p0924 N91-15110

S

SAAD, W.
Multi-axis vibration simulation in space structures: Experiments with DFS/STM 07 p0955 N91-15253

SAAD, YOUCEF
SPARSKIT: A basic tool kit for sparse matrix computations
[NASA-CR-185876] 24 p4093 N91-32865

SAADALDIN, H. S.
Investigation of interlayer materials for the microwave joining of SiC
[DE91-013311] 20 p3325 N91-28414

SAADATMAND, K.
H(-) beam characterization using laser-induced neutralization
[DE91-013501] 20 p3352 N91-28564
Beam structure and transverse emittance studies of high-energy ion beams
[DE91-013499] 20 p3404 N91-28871
Measurement of longitudinal emittance growth using a laser-induced neutralization method
[DE91-013500] 21 p3522 N91-29560

SAADATMAND, KOUROSH
Spatial distributions of the emitting species in a penning surface-plasma source
[DE90-011996] 08 p1228 N91-16772

SAADATMANESH, H.
Development of construction materials like concrete from lunar soils without water 17 p2749 N91-25213
Development and mechanical properties of structural materials from lunar simulants 17 p2905 N91-26045

SAAGER, PETER
Real-time hardware-in-the-loop simulation for ATTAS and ATTHES advanced technology flight test vehicles
07 p1045 N91-15732

SAAR, A.
Optical and mechanical properties of mixed silver halide crystals 15 p2498 N91-23837
SAAR, S. H.
Long and short timescale variability of magnetic activity on the BY Dra star BD+26 deg 730 09 p1440 N91-17941
SAARENHEIMO, ARJA
Evaluation of catastrophic failure risk in pressure vessels. Results of pressure vessel test with a large vessel (HC2-test)
[VTT-RR-708] 15 p2446 N91-23551
SABAKA, T. J.
Geomagnetic model investigations for 1980 - 1989: A model for strategic defense initiative particle beam experiments and a study in the effects of data types and observatory bias solutions
[NASA-TM-104541] 13 p2117 N91-21654
SABASTIANI, F.
The birth of the 'strange' particle physics
[NOTA-INTERNA-958] 15 p2505 N91-23875
SABATINO, C.
Detection of impact damage in composites by holographic interferometry 03 p0329 N91-11834
Holographic interferometry as an inspection technique on aerospace composite structure 03 p0329 N91-11835
SABBAGH, S. A.
Identification of, and transition to, the second region of ideal MHD stability in tokamaks
[DE90-010380] 21 p3584 N91-29938
SABEL, LAURA
Using consistent subcuts for detecting stable properties
[NASA-CR-187844] 16 p2667 N91-24759
SABER, AARON JAAN
Study of transient jet gases
[CTN-91-60202] 22 p3676 N91-30470
SABETFAKHRI, K.
Experimental investigation of scattering of magnetostatic waves by surface acoustic waves
[DE91-009435] 13 p2148 N91-21835
SABHERWAL, RAJIV
Strategic utilization of information resources: A contingency approach 06 p0885 N91-14891
SABIERS, R. L.
Orbital transfer vehicle oxygen turbopump technology. Volume 2: Nitrogen and ambient oxygen testing
[NASA-CR-185262] 07 p0966 N91-15307
Orbital transfer vehicle oxygen turbopump technology. Volume 1: Design, fabrication, and hydrostatic bearing testing
[NASA-CR-185175] 11 p1665 N91-19174
SABINA, S.
A possible architecture of a distributed hard real-time executive for space applications 14 p2215 N91-22242
SABLE, D.
Space platform power system hardware testbed
[NASA-CR-185839] 18 p2938 N91-26204
SABNIS, J. S.
A combined Eulerian-Lagrangian two-phase analysis of the SSME HPOTP nozzle plug trajectories 02 p0151 N91-10878
SABOCHICK, MICHAEL J.
Atomistic simulation of radiation-induced amorphization of the B2 ordered intermetallic compound NiTi
[DE91-006032] 09 p1315 N91-17216
Calculation of defect properties of NiTi and FeTi
[DE91-006033] 09 p1414 N91-17785
SABONNADIERE, EMMANUEL
Method for simulating large dimension devices submitted to electromagnetic perturbations
[ECL-90-10] 01 p0035 N91-10210
SABOUNGI, MARIE-LOUISE
Liquid alloys with strong interactions
[DE90-017661] 02 p0197 N91-11102
Structure of molten salts
[DE90-017704] 02 p0278 N91-11566
SABUTIS, JOSEPH L.
The role of polar stratospheric clouds on total ozone minihole events 17 p2880 N91-25926
SACCO, A.
Mechanisms of ilmenite reduction and their impact on the design of effective reactor systems 17 p2900 N91-26021
SACCO, G. P.
Propulsion simulator for magnetically-suspended wind tunnel models 13 p2036 N91-21198
SACH, C. I.
Estimation of the acoustic reflection characteristics of a plane surface having a periodic, spatially-varying surface admittance
[MRL-TN-581] 14 p2323 N91-22828
Acoustic reflection from a plane boundary having variable surface parameters
[AD-A236832] 19 p3239 N91-27912
SACHDEVA, YESH P.
At-resin research: Biotechnical support and heterogeneous catalysis
[AD-A226076] 04 p0501 N91-12784
SACHER, REINHARD A.
Productivity and photosynthesis of selected crop plants under orbital light conditions: An approach to solar powered CELSS 11 p1756 N91-19662
SACHS, FREDERICK
Alignment of tomographic projections using an incomplete set of fiducial markers
[AD-A238536] 21 p3558 N91-29772
SACHS, WALTER
Measuring and simulation of steady shock wave profiles in Armco iron
[MBB-UA-1144-89-PUB] 03 p0382 N91-12130
SACHSE, GLEN W.
Non-mechanical optical path switching and its application to dual beam spectroscopy including gas filter correlation radiometry
[NASA-CASE-LAR-14588-1-CU] 15 p2507 N91-23889
SACHSENWEGER, DORIS
Examination of ion acceleration in the plasma layer during magnetospheric partial gales
[MPE-218] 01 p0127 N91-10753
SACHTJEN, S. A.
Fabrication of an infrared bolometer with a high Tc superconducting thermometer
[DE91-005210] 09 p1339 N91-17355
Fabrication and measurement of high Tc superconducting microbolometers
[DE91-005234] 09 p1411 N91-17767
SACHTJEN, SCOTT A.
Fabrication of sensitive high Tc bolometers 06 p0794 N91-14389
SACHTLER, W. M. H.
Chemical interactions in multimetal/zeolite catalysts
[DE91-007978] 11 p1680 N91-19261
SACK, C. H.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886
SACK, FRED D.
Plastids and gravity perception 11 p1757 N91-19668
SACK, R. A.
New correction procedures for the fast field program which extend its range 08 p1217 N91-16699
SACKETT, JOHN I.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
SACKHEIM, BOB
Historical problem areas lessons learned 20 p3298 N91-28242
SACKHEIM, ROBERT L.
Monopropellant hydrazine spacecraft propulsion systems: 30 years of safe, reliable, flexible and predictable performance 16 p2574 N91-24268
SACKMAN, JEROME L.
Dynamic energy absorption of sandwich structures by inelastic deformation
[AD-A234903] 18 p2999 N91-26564
SADA, K.
Development of an atmospheric diffusion evaluation method incorporating thermal and topographical effects. 4: Turbulence intensity estimation methods using observation results
[DE91-736742] 09 p1360 N91-17477
Development of an atmospheric diffusion evaluation method incorporating thermal and topographical effects, part 3
[DE91-736741] 10 p1542 N91-18488
SADAM, C. K.
Runway exit designs for capacity improvement demonstrations. Phase 1: Algorithm development
[NASA-CR-187955] 09 p1285 N91-17065
SADANA, D.
Workshop on MQW Mixing and Its Application to Optoelectronic Devices
[AD-A229205] 09 p1330 N91-17304
SADANANDA, K.
Method of producing superconducting materials in bulk form
[AD-D014656] 11 p1806 N91-19917
SADEGHI, TOM
Fault-tolerant, flight-critical control systems 04 p0484 N91-12691
SADJADI, SEYED MOHAMMAD REZA
Fundamental study of clean rooms 09 p1293 N91-17108
SADLER, D.
Manufacture test analysis of the thermoplastic composites
[BU-515] 14 p2241 N91-22400
SADLER, PORTER
Silicon Wafer Advanced Packaging (SWAP). Multichip Module (MCM) foundry study, version 2
[AD-A237412] 21 p3505 N91-29452
SADOULET, BERNARD
Particle astrophysics 24 p4120 N91-33024
SADOWAY, DONALD
Electrochemically modulated superconductivity
[AD-A234703] 18 p3069 N91-26955
SADR, R.
Digital frequency synthesizer for radar astronomy
[NASA-CR-187814] 07 p1081 N91-15951
Planetary ephemerides approximation for radar astronomy 10 p1513 N91-18326
The Advanced Receiver II telemetry test results at Goldstone 24 p3985 N91-32260
SADREHAGHIGHI, I.
Interactive real time flow simulations
[NASA-CR-187325] 01 p0040 N91-10238
SADWICK, LARRY P.
Electronic study of Pt-Ga intermetallic thin films using x ray photoemission spectroscopy
[AD-A225036] 03 p0338 N91-11893
SAEED, M.
Intense field non-resonant multiphoton absorption of diatomic molecules
[DE91-006920] 11 p1793 N91-19835
SAENGER, G.
Proposal for a conceptually new compact collecting optics for powerful light sources 11 p1662 N91-19155
SAENZ, N. T.
Advancements in ultrathinning section techniques for the characterization of brittle materials
[DE91-012930] 20 p3317 N91-28364
SAENZ, NATALIO T.
Interfacial chemistry and structure in ceramic composites
[DE91-005676] 10 p1502 N91-18269
Metallographic preparation techniques for ceramic materials
[DE91-004742] 10 p1503 N91-18270
SAETHER, ERIK
A computationally viable higher-order theory for laminated composite plates
[AD-A231423] 14 p2239 N91-22385
SAFA, HELENE
Image quality of the PRONAOS telescope 13 p2179 N91-22039
SAFAAI-JAZI, A.
Low-cost fiber optic weigh-in-motion sensor
[PB91-152702] 16 p2630 N91-24559
SAFAK, M.
An overview of ECCM factors in MILSATCOM systems 16 p2616 N91-24480
SAFAVIAN, S. RASOUL
A survey of decision tree classifier methodology
[NASA-CR-188208] 15 p2493 N91-23806
Topics in inference and decision-making with partial knowledge
[NASA-CR-188209] 15 p2495 N91-23821
SAFF, C. R.
Structural risk assessment and aircraft fleet maintenance 01 p0054 N91-10321
SAFFMAN, P. G.
Research in nonlinear water waves
[AD-A227948] 08 p1143 N91-16292
Research in nonlinear water waves
[AD-A231205] 13 p2083 N91-21477
Research in nonlinear water waves
[AD-A235410] 18 p2984 N91-26478
SAFRON, S. A.
He atom surface spectroscopy: Surface lattice dynamics of insulators, metals, and metal overlayers
[DE91-001993] 06 p0879 N91-14855
SAFRONOV, VIKTOR S.
The rate of planet formation and the solar system's small bodies 14 p2345 N91-22969
SAGALYN, PAUL L.
Charged particle activation studies on the surface of LDEF spacecraft 16 p2708 N91-24987
Measurement of the O18 to O16 isotope ratio for characterizing oxide surface layers on LDEF samples 16 p2713 N91-25017
Ellipsometric study of metal samples 16 p2717 N91-25041
Patterns of discoloration and oxidation by direct and scattered fluxes, especially oxygen on silicon 16 p2717 N91-25043

SAGAN, C.
Optical constants of kerogen from 0.15 to 40 microns: Comparison with meteoritic organics
[NASA-CR-187825] 07 p1083 N91-15957
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191
SAGAN, CARL
The pre- and post-accretion irradiation history of cometary ices 06 p0907 N91-15007
Planetary engineering 17 p2915 N91-26091
SAGAWA, HIROSHI
Detection of solid lubricant film failure during sliding by vibration monitoring
[NAL-TR-1060] 08 p1159 N91-16384
SAGDEEV, R. Z.
Wave collapse at lower hybrid resonance 06 p0919 N91-15073
Joint proposal for US/USSR on nonlinear dynamics and plasma transport
[DE91-014360] 20 p3422 N91-28981
SAGDEEV, ROALD Z.
The Oort cloud 14 p2346 N91-22978
The chaotic dynamics of comets and the problems of the Oort cloud 14 p2347 N91-22979
SAGER, G. T.
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
SAGER, J. C.
Investigating combustion as a method of processing inedible biomass produced in NASA's biomass production chamber
[NASA-TM-103821] 18 p3036 N91-26759
Effects of atmospheric CO2 on photosynthetic characteristics of soybean leaves 23 p3902 N91-31780
Effects of elevated atmospheric carbon dioxide concentrations on water and acid requirements of soybeans grown in a recirculating hydroponic system 23 p3902 N91-31781
Factors affecting plant growth in membrane nutrient delivery 23 p3905 N91-31797
SAGER, JOHN C.
Atmospheric leakage and condensate production in NASA's biomass production chamber. Effect of diurnal temperature cycles
[NASA-TM-103819] 15 p2477 N91-23718
Monitoring and control technologies for bioregenerative life support systems/CELSS 15 p2538 N91-24060
SAGI, A.
Temperature distribution and thermal damage during tissue ablation by CO2 laser irradiation: Model and experiment 15 p2497 N91-23833
SAGOO, KAMALJEET SINGH
Wear and corrosion of mechanical seals 03 p0373 N91-12088
SAGOVAC, CHRISTOPHER P.
A perturbation solution of the main problem in artificial satellite theory
[AD-A231560] 13 p2041 N91-21227
SAHADE, J.
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
SAHLIN, PER
Environmental noise from the Naesudden (Sweden) and Maglarp (Sweden) prototype wind turbines: A study of machinery noise
[FFA-TN-1990-34] 08 p1218 N91-16706
SAHM, P. R.
Boundary layers in transparent melts (TEXUS 10) 23 p3838 N91-31406
SAHNOW, D. J.
Rocket observations of the ultraviolet spectrum of comet Austin (1989c1) 12 p2003 N91-21023
SAHOTA, M. S.
A three-dimensional free-Lagrange code for multimaterial flow simulations
[DE91-002309] 15 p2424 N91-23428
SAHR, JOHN DAVID
Observation and theory of the radar aurora 15 p2530 N91-24017
SAHU, D.
Change in density of states in a resonant tunneling structure due to a scattering center in the well
[AD-A225861] 04 p0588 N91-13283
SAHU, DEVARAJ
Specific heat of anisotropic superconductors
[AD-A225031] 03 p0414 N91-12314
Theoretical studies of electron transport in quantum-well structures
[AD-A228429] 08 p1237 N91-16819
SAHU, JUBARAJ
Three dimensional flow calculations for a projectile with standard and dome bases 06 p0774 N91-14294
SAIKIA, D. J.
The morphology of Sersic-Pastoriza galaxies 08 p1252 N91-16893
SAIKUMAR, R. SAL
Nonlinear optics and organic materials
[AD-A226953] 06 p0873 N91-14831
SAILORS, D. B.
Techniques for estimating the effects of man-made radio noise on distributed military systems 22 p3660 N91-30371
SAILORS, DAVID B.
Optimum space, time, and frequency sampling of the ionosphere with advanced digital ionosondes 22 p3658 N91-30364
SAINT-LOUIS, N.
New results of the UV variability of the WR stars HD 50896 and HD 192163 09 p1435 N91-17907
SAINT, A.
Scanning Transmission Ion Microscopy (STIM): A new technique for density mapping of microstructures
[DE91-011917] 20 p3396 N91-28825
SAINTE-MARIE, MARTINE
The certification of the aircraft integrated propulsive system
[REPT-911-111-102] 15 p2383 N91-23188
SAITO, KENJI
The establishment and performance test of PAPI (Precision Approach Path Indicator) System for NAL STOL aircraft
[NAL-TM-579] 01 p0006 N91-10030
SAITO, KIMIAKI
Intercomparison of measuring and evaluation methods for environmental radiations
[DE91-772227] 17 p2809 N91-25527
SAITO, MASAKAZU
Command subsystem 01 p0058 N91-10346
SAITO, SADAMU
Numerical simulation of the Knudsen layer dynamics using the direct simulation Monte Carlo method 04 p0456 N91-12547
Conservation of angular momentum in direct simulation Monte Carlo method 24 p3944 N91-32038
SAITO, SHIGERU
An assessment of turbulence models in compressible viscous flow analysis 04 p0452 N91-12520
Effects of blade tip planforms on rotor performance in hover 04 p0457 N91-12553
Three-dimensional Navier-Stokes simulation of flow around ATP 04 p0468 N91-12626
Analysis of the aerodynamic performance of counter-rotating propeller by means of vortex lattice method 24 p3947 N91-32065
Navier-Stokes analysis for flowfield around hovering rotor 24 p3948 N91-32066
SAITO, T.
Disturbances of three cometary magnetospheres as explained by an MHD simulation 12 p2006 N91-21039
SAITO, T. T.
Diamond turning of optical crystals
[DE90-015909] 01 p0121 N91-10719
SAITO, TAKASI
Heat transfer characteristics of a radical heat pipe 08 p1140 N91-16276
SAITO, TAKEO
Command subsystem 01 p0058 N91-10346
SAITO, YASUHIRO
Experiments toward the development of new pulsed ion diodes 11 p1801 N91-19885
SAITO, YOSHIO
Design of ultra high bypass fan with numerical solution of Navier-Stokes equations 04 p0469 N91-12628
SAITOVICH, E. BAGGIO
Hyperfine interactions associated with iron substituted superconducting oxides
[DE90-010411] 08 p1230 N91-16783
SAIYED, N. H.
LN2 spray droplet size measurement via ensemble diffraction technique
[NASA-TM-104443] 16 p2614 N91-24470
SAIZ, J. M. BLANCO
Nonlinear analysis of composite shear webs with holes and correlation with tests 16 p2645 N91-24642
SAIZAR, P.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
Ultraviolet light curves of galactic and extra-galactic classical CNO novae: PW Vul, OS, and LMC 1988 no. 1 and no. 2 09 p1438 N91-17926
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
Late stages in the evolution of classical novae 09 p1441 N91-17946
SAKAGAMI, HITOSHI
Nonlinear evolution of 2D and 3D Rayleigh-Taylor instability at stagnation phase in laser implosion 20 p3409 N91-28899
SAKAI, JUN-ICHI
High-energy particle acceleration during the implosion driven by 3-dimensional X-type current loop coalescence in solar flares 06 p0916 N91-15048
SAKAI, KIYOMI
Calibration source for electron cyclotron emission measurements
[NIFS-19] 24 p4101 N91-32913
SAKAI, YOSHIKAZU
Effects of environment and aging on creep properties of Alloy 800H
[DE90-520207] 02 p0197 N91-11106
SAKAMOTO, A.
Evaluation of thermomechanical properties of functionally gradient material under high temperature difference 03 p0333 N91-11863
SAKAMOTO, HIROSHI
Hot gas side heat transfer characteristics of LOX/H2 and LOX/HC type propellants
[NAL-TR-1062T] 01 p0032 N91-10190
Experimental manufacturing of data recording system for rocket combustion thermal flux distribution
[DE90-702432] 02 p0188 N91-11051
SAKAMOTO, MIZUKI
Calibration source for electron cyclotron emission measurements
[NIFS-19] 24 p4101 N91-32913
SAKAMOTO, RYUICHI
Intercomparison of measuring and evaluation methods for environmental radiations
[DE91-772227] 17 p2809 N91-25527
SAKAMOTO, SEIICHI
The University of Tokyo-Norbeyama Radio Observatory submillimeter survey telescope 13 p2181 N91-22051
SAKATA, AKIRA
High-spectral resolution observations of the 3.29 micron emission feature: Comparison to QCC and PAHs 06 p0891 N91-14925
SAKATA, TAKESHI
Solution of the Euler equations in multibody flow fields using the overlapping-mesh method 04 p0521 N91-12902
SAKAUE, KATSUHIKO
Matching of complex 3-D surfaces using dynamic programming
[ERB-1022] 21 p3553 N91-29743
SAKELAKOS, DEBORAH
A computer program for measuring fibers with the ZEISS CSM 950 scanning electron microscope
[AD-A229952] 12 p1955 N91-20754
SAKELLARIADOU, MARIA
Strings matter: Dynamics and evolution of cosmic string networks in flat spacetime 17 p2890 N91-25978
SAKHO, IBRAHIMA
Optimal systolic network for Gaussian elimination
[RR-837-I] 15 p2496 N91-23822
SAKODA, DAN
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
SAKSIDA, MARINO F.
Online information retrieval 07 p0948 N91-15198
SAKUMA, T.
Water-cooling technique of high temperature gas turbine blade
[DE91-764238] 15 p2438 N91-23506
SAKURADA, MASAMI
The representation of Cb cluster's life cycle using TBB data and radar data 16 p2650 N91-24667
SAKURAGI, TAKUYA
Unsteady calculation of the transonic flow over ONERA-M6 wing with a side wall 04 p0451 N91-12518
The three dimensional Navier-Stokes simulations of flow over a wing without any turbulent modelling 24 p3945 N91-32051
SAKURAI, AKIRA
Unsteady vortex lattice calculation of the flow around a slender delta wing 08 p1140 N91-16272
SAKURANAKA, NOBORU
Performance of the N2H4/MMH mixed fuel regeneratively cooled engine
[NAL-TR-1082] 17 p2743 N91-25180
SAKYA, ANDI E.
A preliminary study of transonic flow around NACA0012 04 p0457 N91-12554
SALAMA, F.
The 2.5 to 5.0 micrometer spectral of Io: Evidence for H2S and H2O frozen in SO2 10 p1623 N91-18955

SALANT, RICHARD F.
Actively controlled shaft seals for aerospace applications
[NASA-CR-188642] 19 p3173 N91-27545
SALAS-CASALES, LUIS
High-spatial resolution observations of circumstellar disks 17 p2891 N91-25979
SALAS, F. J.
Development of diode laser-ignited pyrotechnic and explosive components
[DE90-011238] 09 p1319 N91-17245
Diode laser ignition of explosive and pyrotechnic components
[DE90-012227] 21 p3521 N91-29553
SALAS, MANUEL D.
Shock wave interaction with an abrupt area change
[NASA-TP-3113] 19 p3102 N91-27140
SALAS, TOM M.
On the HEMP (High-Altitude Electromagnetic Pulse) environment for protective relays
[DE91-001880] 07 p0999 N91-15488
SALASALVES, DIOGENES
Georelational data model: A conceptual vision of a geographical information system
[INPE-4612-PRE/1335] 05 p0730 N91-14078
SALAZAR, GEORGE A.
Adaptive data acquisition multiplexing system and method
[NASA-CASE-MSC-21170-1] 06 p0791 N91-14371
SALAZAR, M. T.
Procedures used in the calibration of ac calibrators
[DE91-009853] 16 p2621 N91-24515
SALBY, MURRY L.
Planetary circulations in the presence of transient and self-induced heating 08 p1182 N91-16505
SALE, K.
Benchmark field study of deep neutron penetration
[DE91-015677] 24 p4096 N91-32886
SALE, MICHAEL J.
National stream survey database guide
[PB91-141804] 15 p2459 N91-23625
SALEEB, A. F.
Finite element implementation of state variable-based viscoplasticity models
[NASA-CR-187212] 24 p4031 N91-32523
SALEIN, MARIANNE
Flight mechanics/air navigation research field. A 1990 Scientific report of the German Air and Space Research Organization
[ISSN-0720-7808] 15 p2368 N91-23103
SALEM-SUGUI, S., JR.
Enhanced flux pinning by crystal defects in melt-textured YBa2CuO(x)
[DE91-011120] 17 p2873 N91-25889
Critical currents in melt-textured YBa2Cu3O(x)
[DE91-016523] 24 p4109 N91-32966
X ray dichroism and Faraday effect studies in ordered and disordered Fe3Pt
[DE91-017305] 24 p4111 N91-32974
Magnetic relaxation in a single crystal of YBa2Cu3O(x)
[DE91-017963] 24 p4112 N91-32986
SALEM, ASHRAF
Automatic formal verification of VHDL descriptions: A first prototype
[RR-823-I] 15 p2480 N91-23726
SALEM, JONATHAN A.
Comparison of dynamic fatigue behavior between SiC whisker-reinforced composite and monolithic silicon nitrides
[NASA-TM-103707] 11 p1686 N91-19293
Mechanical behavior and failure phenomenon of an in situ-toughened silicon nitride
[NASA-TM-103741] 15 p2404 N91-23311
Elevated-temperature fracture resistances (K(sub IC), R-curves, gamma sub (omega OF)) of monolithic and composite ceramics using chevron-notched, bend tests
[NASA-TM-105090] 20 p3326 N91-28418
SALES, B. C.
Thin film amorphous electrolytes: The Li2O-SiO2-P2O5 system
[DE91-007272] 11 p1807 N91-19925
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
SALES, GARY S.
Modeling and design for a new ionospheric modification experiment 10 p1549 N91-18523
Results of a high power oblique incidence HF ionospheric modification experiment
[AD-A231893] 14 p2257 N91-22482
Technique for measuring ionospheric irregularities generated by high power oblique HF heating of the F-region
[AD-A233883] 18 p3011 N91-26627
SALIBA, S.
Composites supportability rapid test and evaluation
[AD-A225243] 03 p0335 N91-11881
SALIBRA, ANTONINO
On the expressiveness of equational type logic
[MEMO-INF-90-39] 10 p1580 N91-18698
On the expressiveness of equational type logic
[MEMO-INF-90-39-REV] 23 p3919 N91-31887
SALINAS, CARLOS E.
Oxidation and wear resistant carbon-carbon composites
[AD-A238475] 22 p3644 N91-30279
SALISBURY, FRANK B.
Preparatory space experiments for development of a CELSS 23 p3905 N91-31796
SALISBURY, K.
A transportable 50 kA dual mode lightning simulator 24 p4052 N91-32633
SALISBURY, KENNETH, JR.
Multi-fingered robotic hand
[NASA-CASE-NPO-15959-2] 06 p0835 N91-14616
SALJNIKOV, VIKTOR
Generalised similarity solutions for three dimensional, laminar, steady compressible boundary layer flows on swept, profiled cylinders
[ESA-TT-1190] 12 p1898 N91-20441
SALK, M.
Thermoanalytic and electric analyses of the TlSbSe2 semiconductor 14 p2334 N91-22900
SALKOWSKI, CHARLES
Overall goals 20 p3299 N91-28246
SALMI, JAAKO
Binders used in metal injection molding
[VTT-RR-691] 05 p0637 N91-13529
SALMINEN, ESA
Three-dimensional viscous/inviscid coupling in subsonic flow
[REPT-B-24] 01 p0005 N91-10023
Calculation of three-dimensional viscous/inviscid interaction in subsonic flow
[REPT-B-25] 01 p0005 N91-10024
SALMON, C. C. V.
Flow investigation of a ground effect vehicle
[BU-516] 14 p2264 N91-22528
SALMON, J. K.
The shape of the invisible halo: N-body simulations on parallel supercomputers
[DE91-004846] 09 p1388 N91-17636
SALMON, J. T.
A real time collimation sensor using a shear plate and a spatial light modulator
[DE90-011362] 21 p3580 N91-29914
Zonal deformable mirror for laser wavefront control
[DE91-017085] 24 p4023 N91-32483
SALMON, J. THADDEUS
Quenching-independent measurement of species concentrations in flames by laser-induced fluorescence
[DE91-000795] 04 p0502 N91-12787
SALMON, N. J.
Computational comparison of efficacies of aeolian vibration damping devices for multiconductor overhead power lines
[BU-411] 11 p1723 N91-19487
SALMON, R. A.
The provision of circuits to outside broadcast locations using spectrum within the UHF broadcasting bands
[BBC-RD-1990/12] 11 p1694 N91-19329
SALMON, RICK
Course lectures abstracts of participants fellows project reports
[AD-A237909] 21 p3607 N91-30070
SALMONSON, J. C.
Ion beam testing of the Aerolor X-point dump plate for the Joint European Torus
[DE91-010719] 15 p2393 N91-23245
SALO, HEIKKI
Simulation of disk-disk encounters with co-moving polar grids 08 p1260 N91-16941
SALONEN, JORMA
Creep and creep failure of power plant steels
[VTT-RR-685] 05 p0636 N91-13528
SALOPEK, D. S.
Stochastic inflation lattice simulations: Ultra-large scale structure of the universe
[DE91-006385] 10 p1618 N91-18919
Can non-Gaussian fluctuations for structure formation arise from inflation
[DE91-009458] 13 p2117 N91-21655
Non-Gaussian microwave background fluctuations from nonlinear gravitational effects
[NASA-CR-188699] 22 p3777 N91-31067
SALOUR, M.
Signal processing development
[AD-A226593] 05 p0725 N91-14052
SALOVEY, R.
Model filled polymers. Part 6: Determination of the crosslink density of polymeric beads by swelling
[AD-A225783] 04 p0507 N91-12816
Model filled polymers versus synthesis of crosslinked monodisperse polymethacryiate beads
[AD-A227236] 08 p1118 N91-16146
Model filled polymers 8: Synthesis of crosslinked polymeric beads by seed polymerization
[AD-A237429] 21 p3487 N91-29349
Model filled polymer 7: Flow behavior of polymers containing monodisperse crosslinked polymeric beads
[AD-A237430] 21 p3487 N91-29350
Model filled polymers 9: Synthesis of uniformly crosslinked polystyrene microbeads
[AD-A237472] 21 p3488 N91-29352
SALPEKAR, S. A.
Analysis of matrix cracking and local delamination in (0/theta/-theta)sub s graphite epoxy laminates under tension load
[NASA-TM-104062] 14 p2239 N91-22384
SALPETER, E. E.
Energy input and HI spin temperatures in low pressure regions 05 p0747 N91-14163
SALPETER, EDWIN E.
Pairs of galaxies in low density regions of a combined redshift catalog 08 p1245 N91-16860
Selection effects and binary galaxy velocity differences 08 p1258 N91-16927
SALSMAN, CHARLES P.
Application of Multi-Frequency Modulation (MFM) for high-speed data communications to a voice frequency channel
[AD-A238019] 21 p3500 N91-29422
SALTER, CAROLE A.
Real time control for NASA robotic gripper
[NASA-CR-187957] 14 p2272 N91-22569
SALTER, RICHARD H.
Laboratory study of the thermochemical properties of materials used in spacecraft
[AD-A232124] 15 p2390 N91-23228
SALTIN, B.
Central and peripheral cardiovascular responses to electrically induced and voluntary leg exercise 11 p1761 N91-19687
SALTSMAN, JAMES F.
Application of thermal life prediction model to high-temperature aerospace alloys B1900+Hf and Haynes 188
[NASA-TM-4226] 11 p1721 N91-19473
Tensile deformation damage in SiC reinforced Ti-15V-3Cr-3Al-3Sn
[NASA-TM-103620] 17 p2746 N91-25195
SALTZ, JOEL
A manual for PARTI runtime primitives
[NASA-CR-187442] 01 p0103 N91-10599
Multiprocessors and runtime compilation
[NASA-CR-182100] 01 p0104 N91-10600
Distributed memory compiler design for sparse problems
[NASA-CR-187515] 10 p1566 N91-18610
Performance effects of irregular communications patterns on massively parallel multiprocessors
[NASA-CR-187514] 13 p2130 N91-21724
A manual for PARTI runtime primitives, revision 1
[NASA-CR-187568] 17 p2832 N91-25644
SALTZEN, E.
Laser range camera calibration
[DE91-014939] 20 p3353 N91-28570
SALTZMAN, BARRY
Nonlinear dynamics of global atmospheric and Earth-system processes 08 p1183 N91-16510
Nonlinear dynamics of global atmospheric and Earth-system processes 24 p4061 N91-32687
SALUSTI, E.
On the autoregression methods applied to the hourly nucleonic-component records
[IFSI-89-19] 01 p0142 N91-10837
SALVATORE, A.
Aerodynamic analysis of the flow characteristics of a delta-canard configuration
[ETN-91-99774] 22 p3613 N91-30099
SALVIA, M.
Vaudreuil (France) large hydrodynamic tunnel: Acoustic chamber damping
[METRAVIB-RDS-1-007-67] 23 p3783 N91-31090
SALZA, A.
Developmental tests for the CARINA reentry vehicle 07 p0951 N91-15220
SALZBERG, A. P.
Collision induced electronic quenching of aluminum monoxide
[AD-A236681] 19 p3127 N91-27276
The laser ablation of aluminum at 193, 248, and 351 nm
[AD-A237574] 21 p3523 N91-29569

SALZBRENNER, R.
Effects of sample size and loading rate on the transition behavior of a DCI alloy
[DE91-012015] 20 p3314 N91-28346
SALZER, J.
Radio line and continuum observations of quasar-galaxy pairs and the origin of low reshift quasar absorption line systems 08 p1258 N91-16925
SAMAK, SALEM MOHAMED
Dynamic model error analysis of robot manipulators 02 p0218 N91-11220
SAMALI, B.
Control of wind-induced tall building vibration by tuned mass dampers
[PB90-259334] 09 p1321 N91-17251
SAMANIEGO, FRANCISCO J.
Reliability modeling and inference for coherent systems subject to aging, shock, or repair
[AD-A229262] 09 p1349 N91-17411
SAMANT, MAHESH G.
In situ FTIR study of the adsorption geometry of bisulfate ions on a platinum electrode
[AD-A229793] 12 p1866 N91-20250
Structure of electrochemically deposited copper on gold (III) alloy
[AD-A232345] 15 p2402 N91-23303
In-situ surface x ray scattering measurements of electrochemically deposited bismuth on silver (III): Structure, compressibility, and comparison with ex-situ leed measurements
[AD-A232624] 15 p2505 N91-23880
Surface x ray scattering measurements of the substrate induced spatial modulation of an incommensurate adsorbed monolayer
[AD-A232625] 15 p2518 N91-23959
SAMANTA, P. K.
Degradation modeling with application to aging and maintenance effectiveness evaluations
[DE91-004004] 05 p0674 N91-13746
SAMARATI, P.
Efficient retrieval of class extensions in object-oriented databases
[REPT-91-019] 22 p3767 N91-31001
SAMEH, AHMED
Solution of the Navier-Stokes equations for a driven cavity
[NASA-CR-188008] 12 p1894 N91-20416
SAMEJIMA, FUMIKO
Validity measures in the context of latent trait models
[AD-A224695] 03 p0396 N91-12200
Predictions of reliability coefficients and standard errors of measurement using the test information function and its modifications
[AD-A224696] 03 p0396 N91-12201
Differential weight procedure of the conditional P.D.F. approach for estimating the operating characteristics of discrete item responses
[AD-A224697] 03 p0412 N91-12307
Modifications of the test information function
[AD-A224698] 03 p0413 N91-12308
Validity study in multidimensional latent space and efficient computerized adaptive testing
[AD-A227742] 08 p1209 N91-16650
SAMET, JONATHAN M.
Nitrogen dioxide and respiratory infection: Pilot investigations
[PB90-247339] 02 p0243 N91-11357
SAMIMY, M.
Effect of tabs on the evolution of an axisymmetric jet
[NASA-TM-104472] 19 p3106 N91-27159
SAMMARCO, J. J.
Computer-Aided Software Engineering (CASE) for software automation
[PB91-110791] 09 p1383 N91-17610
SAMMELLS, ANTHONY F.
Methane conversion by solid electrolyte membranes
[PB90-226341] 01 p0063 N91-10381
SAMMONS, T. J.
Measurement of modulation transfer function for four types of imaging elements used in fast cameras
[DE91-017399] 24 p4021 N91-32475
SAMORA, C.
Extended database of microwave common carrier antenna gain patterns
[PB91-119206] 13 p2069 N91-21398
SAMOYLOVA, T. B.
Limiting pulse signal in NbN-Si structure: Superconductor film on substrate 11 p1789 N91-19815
SAMOZNAYEV, L. N.
Development of model of formation of Venusian nighttime ionosphere for period of low solar activity 12 p1849 N91-20161
SAMPAIO, CARLOS E.
Investigation of varying gray scale levels for remote manipulation 12 p1938 N91-20663
Space Station Freedom coupling tasks: An evaluation of their space operational compatibility 12 p1939 N91-20664
SAMPAS, NICHOLAS MICHAEL
A ring laser gyroscope with optical subtraction 08 p1150 N91-16335
SAMPATH, K. S.
Modelling and performance analysis of four and eight element TCAS
[NASA-CR-187414] 05 p0618 N91-13428
SAMPATH, P.
Cold weather ignition characteristics of advanced small gas turbine combustion systems 23 p3792 N91-31152
SAMPAYAN, S. E.
Reduction of energy sweep of the ETA-2 beam
[DE91-013824] 20 p3352 N91-28568
SAMPSELL, JEFFREY B.
Programmable remapper for image processing
[NASA-CASE-MSC-21350-1] 15 p2480 N91-23724
SAMPSON, C. R.
Tropical cyclone track objective aids for the microcomputer: PCLM, XTRP, PCHP
[AD-A230851] 13 p2121 N91-21675
SAMPSON, DOUGLAS H.
A rapid relativistic distorted wave approach for calculating cross sections for ionization of highly charged ions
[DE91-002667] 05 p0720 N91-14020
SAMPSON, MICHAEL JOHN
A comparison of the specifications for standard Electrical, Electronic and Electromechanical (EEE) parts used by the National Aeronautics and Space Admininstration (NASA) and the European Space Agency (ESA): Towards common specifications 24 p4005 N91-32391
SAMS, CLARENCE F.
A culture vessel with large perfusion area to volume ratio
[NASA-CASE-MSC-21662-1] 09 p1370 N91-17531
SAMSON, JAMES A. R.
Excited ionic and neutral fragments produced by dissociation of the N2(+)* H band
[NASA-CR-187987] 10 p1593 N91-18791
SAMSON, P. J.
Estimation of seasonal and annual acidic deposition through aggregation of three-day episodic periods
[PB90-252628] 02 p0233 N91-11303
SAMUELSEN, G. S.
Fundamental investigation of duct/ESP phenomena: Flow visualization
[DE91-010999] 22 p3677 N91-30471
SAMUELSEN, L.
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828
SAMUELSON, L.
Second harmonic properties of aromatic Schiff's bases functionalized in the side chains of polymethylmethacrylate
[AD-A235857] 19 p3139 N91-27346
Langmuir-Blodgett films of aromatic Schiff's bases functionalized in the side chains of polymethacrylate
[AD-A235858] 19 p3139 N91-27347
SAMUELSON, L. A.
The monomolecular organization of a photodynamic protein system through specific surface recognition of streptavidin to biotinylated LB films
[AD-A235859] 19 p3139 N91-27348
SAMUELSON, PAMELA
Intellectual property protection for software
[AD-A236125] 19 p3228 N91-27844
SAMUELSSON, INGEMAR
Low speed wind tunnel investigation of propeller slipstream aerodynamic effects on different nacelle/wing combinations. Part 2: Propeller slipstream flow field surveys (velocity components, dynamic, total and static pressure distributions) at zero angle of attack and high power
[FFA-TN-1990-24-PT-2] 13 p2019 N91-21109
SANABRIA, RAFAEL
Review and test of chilldown methods for space-based cryogenic tanks
[NASA-TM-104458] 17 p2774 N91-25351
SANCESARIO, GIUSEPPE
Hindlimb suspension of rabbit for one week: Myofibrillar damage in the soleus may depend on long-lasting shortening and periodic contraction against no load 11 p1754 N91-19647
SANCHEZ, A. D.
Preliminary analysis of WL experiment number 701: Space environment effects on operating fiber optic systems 16 p2723 N91-25081
SANCHEZ, B. V.
Oceanic tide maps and spherical harmonic coefficients from Geosat altimetry
[NASA-TM-104544] 22 p3708 N91-30639
SANCHEZ, J. E., JR.
Microstructure and electromigration effects in Al and Al alloy thin films
[DE91-011864] 17 p2872 N91-25884
SANCHEZ, JUAN J.
Use of an extended Kalman filter
[AD-A238639] 21 p3508 N91-29474
SANCHEZ, N.
Early COBE results and superconducting cosmic strings 13 p2172 N91-21989
SANCHEZ, R. J.
Multiaxial failure characterization of composites
[DE91-011925] 20 p3304 N91-28285
SANCHEZ, ROBERT O.
A method for encapsulating high voltage power transformers
[DE91-006644] 10 p1519 N91-18364
SANCHEZ, S. D.
The role of calcium in osteoporosis 17 p2818 N91-25572
SANCHEZRUIZ, MIGUEL EDUARDO
Present and future Morelos satellite system 07 p0948 N91-15203
SANCHEZTARIFA, C.
Hypersonic propulsion: Past and present 15 p2376 N91-23148
SANCISI, R.
High velocity gas in external galaxies 05 p0735 N91-14105
SAND, J. R.
Advantages of enthalpy-temperature diagrams for nonazeotropic refrigerant mixtures
[DE91-016774] 24 p4113 N91-32991
SAND, JAMES R.
Initial parametric results using CYCLEZ: A LMTD-specified, Lorenz-Meutzner cycle refrigerator-freezer model
[DE90-010146] 08 p1123 N91-16175
SANDAGE, A.
The morphology-density relation for dwarf galaxies 05 p0754 N91-14200
SANDAHL, I.
The contribution of the boundary layer EMF to magnetospheric substorms
[PB91-192740] 22 p3708 N91-30635
SANDEFUR, PAUL G., JR.
Braze alloy process and strength characterization studies for 18 nickel grade 200 maraging steel with application to wind tunnel models
[NASA-TM-104075] 17 p2760 N91-25283
SANDEL, B.
The AIS: A spectrograph/imager ensemble for space flight
[AD-A227009] 06 p0799 N91-14413
SANDER, MARTIN
THERMOPT: An optimizer for ESATAN models
[MBB/FW522/S/PUB/427] 08 p1206 N91-16630
SANDER, O. R.
H(-) beam characterization using laser-induced neutralization
[DE91-013501] 20 p3352 N91-28564
Measurement of longitudinal emittance growth using a laser-induced neutralization method
[DE91-013500] 21 p3522 N91-29560
SANDERS, A. A.
Scanning system for measuring uniformity of laser detector response and laser beam dimensions
[PB90-257619] 02 p0216 N91-11207
SANDERS, BRIAN K.
Radar image processing for the AFIT anechoic chamber
[AD-A230502] 12 p1885 N91-20364
SANDERS, D. B.
CO aperture synthesis of NGC 4038/9 (ARP 244) 05 p0738 N91-14123
SANDERS, D. E.
Epitaxy of metal atoms on metal surfaces: Deposition and diffusion
[DE91-011142] 18 p2955 N91-26309
SANDERS, D. M.
Plasma transport in a new cathodic arc ion source, theory and experiment
[DE91-011511] 20 p3416 N91-28944
SANDERS, DAVID B.
Submillimeter observations of extragalactic objects in the wavelength range 50 microns to 1 mm 13 p2173 N91-21994
SANDERS, DONALD C.
Inhalation toxicology 10 times to incapacitation for rats exposed continuously to carbon monoxide, acrolein, and to carbon monoxide-acrolein mixtures
[AD-A230639] 12 p1928 N91-20607
Inhalation toxicology. 11: The effect of elevated temperature on carbon monoxide toxicity
[AD-A231185] 13 p2127 N91-21708

SANDERS, J. LYELL, JR.
A model for load-transfer from an embedded fiber to an elastic matrix
[AD-A228466] 09 p1303 N91-17149
SANDERS, ROBERT M.
The Xpress Transfer Protocol (XTP): A tutorial (short version)
[NASA-CR-188086] 12 p1961 N91-20795
The Xpress Transfer Protocol (XTP): A tutorial (expanded version)
[NASA-CR-188085] 12 p1962 N91-20796
SANDERS, S. C.
Microfilamentary Bi2Sr2Ca1Cu2O8 fibers
[DE90-018013] 02 p0279 N91-11571
SANDERS, SERITA
Engineering management of large scale systems
19 p3276 N91-28122
SANDERS, V. E.
Angular dependence of thin-film dielectric coating damage thresholds
[DE91-000237] 08 p1153 N91-16351
SANDERS, W. A.
Crystallization and characterization of Y2O3-SiO2 glasses 23 p3930 N91-31962
SANDERS, W. T.
X ray absorption by dark nebulae (HEAO-2 guest investigator program)
[NASA-CR-188076] 12 p2001 N91-21011
SANDERS, YVONNE D.
NASA-HBCU Space Science and Engineering Research Forum Proceedings
[NASA-CR-188650] 19 p3266 N91-28063
SANDERSON, ARTHUR
Northeast Artificial Intelligence Consortium (NAIC). Volume 7: Automatic photointerpretation
[AD-A234886] 18 p3047 N91-26821
SANDFORD, MAYNARD C.
Close-range photogrammetric measurement of static deflections for an aeroelastic supercritical wing
[NASA-TM-4194] 05 p0613 N91-13400
SANDFORD, S.
Low-pressure clathrate-hydrate formation in amorphous astrophysical ice analogs 17 p2892 N91-25985
SANDFORD, S. A.
The 2.5 to 5.0 micrometer spectral of Io: Evidence for H2S and H2O frozen in SO2 10 p1623 N91-18955
SANDFORD, SCOTT A.
Spectral structure near the 11.3 micron emission feature 06 p0892 N91-14926
The nature of cometary dust as determined from infrared observations 06 p0906 N91-15003
SANDLIN, DORAL R.
A water tunnel flow visualization study of the vortex flow structures on the F/A-18 aircraft
[NASA-CR-186938] 19 p3100 N91-27126
The power induced effects module: A FORTRAN code which estimates lift increments due to power induced effects for V/STOL flight
[NASA-CR-188081] 22 p3612 N91-30095
SANDLIN, SEAN M.
Aeronautical Mobile Satellite Service (AMSS) test plan
[DOT/FAA/CT-TN91/20] 23 p3855 N91-31495
SANDONATO, G. M.
Activities report on the experimental study of particle diffusion in superficially confined plasma for multidipolar magnetic fields
[INPE-5228-RPE/644] 22 p3756 N91-30938
SANDOVAL, D.
H(-) beam characterization using laser-induced neutralization
[DE91-013501] 20 p3352 N91-28564
Measurement of longitudinal emittance growth using a laser-induced neutralization method
[DE91-013500] 21 p3522 N91-29560
SANDOVAL, D. P.
A real-time longitudinal phase-space measurement technique for H(-) beams
[DE91-011412] 17 p2862 N91-25829
SANDOVAL, DEIG
Collision induced electronic quenching of aluminum monoxide
[AD-A236681] 19 p3127 N91-27276
SANDOVAL, W. F.
Kinetics of dark reaction in chemical laser gases
[DE91-015320] 21 p3525 N91-29579
SANDS, O. S.
Transitive, anti-symmetric relational attributes in structural description matching with applications to radar target identification
[AD-A231318] 13 p2073 N91-21417
SANDS, T.
Thin film alloys on semiconductor substrates
[DE91-012355] 18 p3073 N91-26985
SANDS, TIMOTHY D.
Chemistry and defects in semiconductor heterostructures, volume 148
[AD-A229585] 22 p3758 N91-30949
SANDUBRAE, J.
Parabolic dish photovoltaic concentrator development
[DE91-016868] 23 p3891 N91-31714
SANDWELL, DAVID T.
Report of the panel on lithospheric structure and evolution, section 3 13 p2106 N91-21592
SANDY, A. R.
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307
SANFORD, N. M.
Energy and Technology Review, February-March 1991
[DE91-015487] 23 p3942 N91-32031
SANFORD, NONA M.
Energy and Technology Review, March 1990
[DE90-008230] 08 p1269 N91-16985
SANFORD, THOMAS B.
Ocean response to a hurricane. Part 2: Data tabulations and numerical modeling
[AD-A236059] 19 p3202 N91-27698
SANGANI, A. S.
Numerical and physical modelling of bubbly flow phenomena
[DE91-007461] 11 p1703 N91-19377
SANGHVI, M. K.
The dilemma of fossil fuel use and global climate change
[DE91-007859] 11 p1733 N91-19533
SANGIORGI, R.
Meniscus stability in immiscible metals (MASER 1)
23 p3843 N91-31428
SANGOUARD, D.
Telemanipulation system assisted by computer for under water applications 15 p2452 N91-23585
SANI, R. L.
Center for low-gravity fluid mechanics and transport phenomena
[NASA-CR-188048] 13 p2079 N91-21452
SANJAY, SWAMY
Robust integrated autopilot/autothrottle design using constrained parameter optimization
[NASA-CR-188011] 14 p2196 N91-22127
SANKAR, L. N.
Simulation of iced wing aerodynamics
[NASA-TM-104362] 15 p2365 N91-23086
SANKAR, LAKSHMI N.
Development of iterative techniques for the solution of unsteady compressible viscous flows
[NAS 1.26:188734] 19 p3165 N91-27503
SANKARAN, SANDARA N.
Surface effects on hydrogen permeation through Ti-14Al-21Nb alloy
[NASA-TP-3109] 12 p1868 N91-20266
SANKARAN, SANKARA N.
Oxidation characteristics of Ti-25Al-10Nb-3V-1Mo intermetallic alloy
[NASA-TP-3044] 05 p0635 N91-13522
SANKEY, OTTO F.
Theory of electronic states and formation energies of defect complexes, interstitial defects, and crystal growth in semiconductors
[AD-A225674] 04 p0587 N91-13276
SANKOVIC, JOHN M.
Investigation of the arcjet plume near field using electrostatic probes
[NASA-TM-103638] 02 p0189 N91-11060
Investigation of the arcjet near field plume using electrostatic probes 16 p2575 N91-24270
Arcjet thermal characteristics
[NASA-TM-105156] 21 p3468 N91-29231
Medium power hydrogen arcjet performance
[NASA-TM-104533] 23 p3804 N91-31216
SANO, MASAAKI
Vibration testing of a 1/5 scale model of H-2 launch vehicle
[NAL-TR-1061] 01 p0016 N91-10099
SANPIETRO, PIERLUIGI
An object-oriented logic language for modular system specification
[REPT-90-027] 05 p0704 N91-13927
SANS, C.
Supersonic-hypersonic inlet studies for aerospaceplane 15 p2378 N91-23160
ATSF supersonic aircraft intake. Review of the analyses of some particular problems, technical summary
[ONERA-RTS-134/2149-AY-640-A] 23 p3783 N91-31094
SANSCHAGRIN, DENIS J.
Asbestos-free insulant for rocket motors
[PATENT-1-263-227] 23 p3802 N91-31206
SANSCRAINTE, W. A.
Composite overwrap positive expulsion propellant tanks 16 p2573 N91-24262
SANSONE, A.
Developmental tests for the CARINA reentry vehicle
07 p0951 N91-15220
SANTANGELO, PATRICK GERARD
Cyclic voltammetry of semiconductor photoelectrodes
03 p0421 N91-12353
SANTARIUS, JOHN F.
Space fusion energy conversion using a field reversed configuration reactor: A new technical approach for space propulsion and power 20 p3294 N91-28217
Space propulsion by fusion in a magnetic dipole
[DE91-012033] 20 p3302 N91-28275
SANTAVICCA, D. A.
Laser induced spark ignition of methane-oxygen mixtures
[NASA-CR-188689] 22 p3649 N91-30309
SANTAVICCA, DOMENIC A.
Droplet-turbulence interactions in subcritical and supercritical evaporating sprays
20 p3296 N91-28228
SANTEE, WILLIAM R.
Quantification of lower bounds for endurance times in thermally insulated fingers and toes exposed to cold stress
[AD-A227782] 08 p1191 N91-16545
SANTEK, DAVID
Management and display of four-dimensional environmental data sets using McIDAS
[NASA-CR-184081] 09 p1379 N91-17579
SANTELLA, M.
Fundamental metallurgical considerations in brazing and soldering
[DE91-016224] 24 p3976 N91-32209
SANTER, R.
Aerosol sensing from balloons using photopolarimetry
24 p4034 N91-32538
SANTI, L. MICHAEL
Validation of the space shuttle main engine steady state performance model 10 p1633 N91-19008
SANTIAGO, DAVID I.
Collision induced electronic quenching of aluminum monoxide
[AD-A236681] 19 p3127 N91-27276
SANTILLAN, S.
Vortical flow simulation by using structured and unstructured grids
[ETN-91-99509] 22 p3614 N91-30107
SANTILLO, C.
The OASI observatory in Antarctica
13 p2179 N91-22036
SANTINELLI, CLAUDE
Contribution to the implementation of a completely in situ device in ultrahigh vacuum for the development of MIS on InP structures: Al2O3/InP interface optimization
[ECL-91-04] 23 p3861 N91-31526
SANTINI, C.
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
SANTINI, D. J.
Greenhouse gas emissions from selected alternative transportation fuels market niches
[DE90-010491] 08 p1171 N91-16448
SANTORO, R. J.
Cryogenic combustion laboratory
20 p3295 N91-28223
Spray combustion under oscillatory pressure conditions 20 p3295 N91-28226
SANTORO, R. T.
Radiation shielding requirements for manned deep space missions
[DE91-010723] 17 p2822 N91-25593
SANTOS-LLEO, M.
Multiwavelength monitoring of the Seyfert 1 galaxy NGC 4593 09 p1445 N91-17966
SANTOS, MIKE
Photovoltaic quantum well infrared photodetectors
06 p0795 N91-14393
SANTOSDEALMEIDA, WAGNER
Methodology of remote sensing for monitoring modifications in the fluvial channel and updating nautical charts
[INPE-4863-TDL/374] 02 p0228 N91-11277
SANTOSSILVA, EWERTON
Digital elevation model visibility including Earth's curvature and atmosphere refraction
[INPE-5044-PRE/1574] 03 p0389 N91-12167
Minimum cost routes calculation by means of digital elevation models
[INPE-5040-PRE/1573] 03 p0398 N91-12212
SANUKI, H.
Electric field profile of CHS heliotron torsatron plasma with tangential neutral beam injection
[NIFS-60] 10 p1602 N91-18838

Effect of radial electric field on alpha-particle loss in tokamaks
[NIFS-66] 10 p1603 N91-18842
Effect of electric field inhomogeneities on drift wave instabilities and anomalous transport
[NIFS-72] 13 p2157 N91-21893
An H-mode-like bifurcation in core plasma of stellarators
[NIFS-97] 24 p4104 N91-32933

SANYA, M. K.
Specular and diffuse scattering studies of multilayer interfaces
[DE91-016893] 24 p4111 N91-32978

SANYAL, M. K.
The characterization of interface roughness and other defects in multilayers by x ray scattering
[DE91-007558] 11 p1808 N91-19929

SANZ, A.
Long liquid bridges aboard sounding rockets (TEXUS 12) ESA 23 p3823 N91-31325
Freezing of a long liquid column (TEXUS 18) ESA 23 p3823 N91-31326

SANZ, JOSE M.
Automated design of controlled diffusion blades 02 p0152 N91-10883

SANZGIRI, S. M.
Ka-band MMIC microstrip array for high rate communications
[NASA-TM-104500] 19 p3154 N91-27437

SAPER, RONALD H.
Updates to the DREO airborne radar simulator
[ASSGI-167] 23 p3852 N91-31478
Improvements to programs for system studies of space-based radar
[DRE-179] 23 p3853 N91-31484
Pulse Doppler radar simulation study
[ASSGI-14SV-W7714-7-5353] 23 p3854 N91-31486

SAPINSKI, P. F.
Evaluating the environmental impacts of the energy system: The ENPEP (Energy and Power Evaluation Program) approach
[DE90-017862] 02 p0234 N91-11309

SAPOV, I. A.
Acid-base balance in men breathing air with raised CO2 19 p3211 N91-27748

SAPP, J. W.
Temperature dependence of the thermal conductivity of carbon-carbon composites
[DE91-010133] 17 p2747 N91-25197

SAPP, WALTER J.
A comparative study of seminiferous tubular epithelium from rats flown on Cosmos 1887 and SL3 19 p3266 N91-28064

SAPPEY, A. D.
Laser-based diagnostics for density, temperature, velocity, and dissociation fraction in high temperature hydrogen flows
[DE91-016323] 24 p4022 N91-32480

SARACENO, E.
Design of a He4 cooling system for a cryostat working at 1K
[IFSI-89-17] 06 p0815 N91-14502

SARAFIAN, G.
A method of constructing a pair of pseudorandom sequences with a useful crosscorrelation function
[IAITIC-87-1001] 15 p2410 N91-23345

SARANGAPANI, S.
Some recent studies with the solid-ionomer electrochemical capacitor 24 p4038 N91-32562

SARAPH, G.
An energy recovery system for a quasi-optical gyrotron
[DE91-008317] 11 p1699 N91-19357

SARAVANAN, R.
Mechanisms of equatorial superrotation: Studies with two-level models 15 p2462 N91-23642

SARAVANOS, D. A.
Concurrent micromechanical tailoring and fabrication process optimization for metal-matrix composites
[NASA-TM-103670] 11 p1676 N91-19237
Adaptation of NASA technology for the optimization of orthopedic knee implants 14 p2356 N91-23032
Interphase layer optimization for metal matrix composites with fabrication considerations
[NASA-TM-105166] 22 p3644 N91-30281
The effects of interply damping layers on the dynamic response of composite structures
[NASA-TM-104497] 22 p3644 N91-30282
Integrated mechanics for the passive damping of polymer-matrix composites and composite structures
[NASA-TM-104346] 24 p3971 N91-32181

SARAZIN, CRAIG L.
ISM stripping from cluster galaxies and inhomogeneities in cooling flows 05 p0749 N91-14172
Accounting for the dispersion in the x ray properties of early-type galaxies 05 p0749 N91-14173

SARBO, JANOS
Partial evaluation grammars
[TR-91-01] 23 p3910 N91-31826

SARCEVIC, I.
Dynamical behavior of excited hadronic matter
[DE91-013024] 20 p3400 N91-28845

SARGEANT, D.
Study on observational systems: A review of meteorological and oceanographic education in observational techniques and the relationship to national facilities and needs
[PB91-198168] 24 p4070 N91-32739

SARGENT, A. I.
CO aperture synthesis of NGC 4038/9 (ARP 244) 05 p0738 N91-14123

SARGENT, CHRISTIAN L.
Data-reduction and analysis procedures used in NIST's thermomechanical processing research
[PB91-132282] 15 p2441 N91-23523

SARGENT, M., III
Theory of semiconductor laser feedback instability
[DE91-008198] 13 p2091 N91-21512

SARGENT, WALLACE L. W.
Optical/IR from ground 24 p4119 N91-33020

SARGESON, A. M.
Solvent-dependent redox thermodynamics of metal amine complexes. The delineation of specific solvation effects
[AD-A237503] 21 p3475 N91-29272

SARIC, C.
Major system acquisitions process (A-109) 20 p3301 N91-28268

SARIC, WILLIAM S.
Three-dimensional structure of transitional boundary-layers
[AD-A236762] 19 p3164 N91-27498
Separation-bubble velocity measurements using an oscillating-hot-wire system
[AD-A237997] 21 p3515 N91-29518

SARICKS, C. L.
Global warming: Transportation and energy considerations, 1990
[PB91-118919] 12 p1921 N91-20567

SARICKS, CHRISTOPHER
Technological and policy options for mitigating greenhouse gas emissions from mobile sources
[DE90-010151] 0P p1171 N91-16447

SARID, D.
Part 1: Ultrafast logic and multiple-beam optical parallel processing using nonlinear etalons. Part 2: Novel devices for all-optical computing. Part 3: Novel nonlinear semiconductor structures for signal processing and optical computing
[AD-A233410] 18 p3043 N91-26799

SARID, DROR
Study of semiconductor clusters by local inverse photo emission
[AD-A236210] 19 p3254 N91-28002

SARIGUL-KLIJN, MARTINUS M.
Application of chaos methods to helicopter vibration reduction using higher harmonic control
[AD-A226736] 07 p0944 N91-15177

SARIN, SAM
The formation and study of titanium, zirconium, and hafnium complexes 19 p3270 N91-28085

SARKAR, S.
Direct simulation of compressible turbulence in a shear flow
[NASA-CR-187537] 12 p1831 N91-20061
Modeling the pressure-dilatation correlation
[NASA-CR-187566] 16 p2627 N91-24546

SARKAR, SUBHENDRA N.
NMR imaging of elastomeric materials
[AD-A230299] 12 p1873 N91-20296

SARKAR, SUTANU
Second-order closure models for supersonic turbulent flows
[NASA-CR-187508] 10 p1524 N91-18390

SARKAR, VIVEK
POSC: A Partitioning and Optimizing SISAL Compiler
[DE90-010679] 08 p1197 N91-16577

SARKIMO, MATTI
Evaluation of catastrophic failure risk in pressure vessels. Results of pressure vessel test with a large vessel (HC2-test)
[VTT-RR-708] 15 p2446 N91-23551

SARLO, LORENZO
The Columbus APM centre flexible and efficient engineering support 14 p2214 N91-22233

SARMA, A. D.
Data acquisition and signal processing/analysis of scintillations events for the Olympus propagation experiment
[EUT-89-E-232] 22 p3665 N91-30405

SARMA, BIMAL
Bulk wave characterization of high T(sub c) superconductors
[AD-A234649] 18 p3069 N91-26954

SARMIENTO, CHARLES J.
Arcjet nozzle area ratio effects 16 p2575 N91-24271
Medium power hydrogen arcjet performance
[NASA-TM-104533] 23 p3804 N91-31216

SAROYAN, R. A.
Nondestructive imaging of materials microstructure using x ray tomographic microscopy
[DE91-008505] 13 p2099 N91-21554

SARRAZIN, P.
Nondestructive measurement of thickness and density of composite materials by Compton backscattering
[REPT-911-430-112] 15 p2394 N91-23255

SARTOR, JOANN M.
Optimal iterative task scheduling for parallel simulations
[AD-A238631] 21 p3561 N91-29791

SARWATE, DILIP V.
Spread spectrum communication networks
[AD-A233696] 18 p2972 N91-26409

SARYAN, L.
Environment fact finding mission report
[PB91-130369] 13 p2112 N91-21628

SARYCHEVA, N. N.
Blood electrolyte balance in dogs repeatedly exposed to +G(subz) acceleration 22 p3714 N91-30674

SASAKI, AKIRA
Wear characteristics of bonded solid film lubricant under high load condition 16 p2641 N91-24616

SASAKI, G.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015

SASAKI, HIDEYUKI
VISSR histogram data 01 p0061 N91-10368
Cloud grid data 01 p0062 N91-10371
Sea surface temperature 01 p0062 N91-10372

SASAKI, M.
Evaluation of thermomechanical properties of functionally gradient material under high temperature difference 03 p0333 N91-11863
Evaluation of thermomechanical properties of functionally gradient material under high temperature difference 03 p0333 N91-11863

SASAKI, MASAHIRO
Antenna/transmitter control unit 01 p0059 N91-10348

SASAKI, MASAKI
Hot gas side heat transfer characteristics of LOX/H2 and LOX/HC type propellants
[NAL-TR-1062T] 01 p0032 N91-10190

SASAKI, MASAYUKI
Calibration 01 p0060 N91-10360
Characteristics of GMS-4 VISSR 16 p2649 N91-24662

SASAKI, MISAO
The role of shear in the cosmological distance
[DE90-513788] 02 p0292 N91-11636
Quasi-nonlinear theory of cosmological self-gravitating systems
[DE91-744971] 11 p1819 N91-19989

SASAKI, R.
Some aspects of quantum groups and supergroups
[DE90-777884] 08 p1212 N91-16671

SASAKI, S.
Effects of neutral gas release on current collection during the CHARGE-2 rocket experiment 09 p1405 N91-17730

SASAKI, SHINOBU
A method of using the inverse matrix for manipulator kinematics
[DE90-520210] 02 p0219 N91-11227
A modelling of robot manipulator dynamics based on Newton-Euler's equations
[DE91-772107] 17 p2785 N91-25414

SASAKI, SHUICHI
Application of flight path reconstruction algorithms for flight data of helicopter
[NAL-TM-582] 01 p0006 N91-10031

SASAKI, YUKIO
Station control and monitor subsystem 01 p0058 N91-10341
Image monitor 01 p0058 N91-10344
System console 01 p0059 N91-10351

SASAMOTO, WASHITO A.
Utilization of the Spacehab module as a microgravity carrier
[NASA-TM-102703] 07 p0947 N91-15191

SASAO, MAMIKO
Direct extraction of a Na(-) beam from a sodium plasma
[NIFS-35] 01 p0127 N91-10751

SASIADEK, J. Z.
Dynamics modeling and adaptive control of flexible manipulators 14 p2231 N91-22342
SASS, DAVID
Hardware interface for high speed video imaging [AD-D014902] 21 p3496 N91-29400
SASSCER, D.
Biofouling and corrosion fouling of plain and enhanced aluminum surfaces [DE91-014464] 21 p3480 N91-29300
SASSE, RONALD
Analysis of hydroxylammonium nitrate based liquid propellants [AD-A227300] 06 p0814 N91-14497
SASSE, RONALD A.
Combustion tests of black-powder substitutes for the hand-held signal flare [AD-A231501] 13 p2058 N91-21330
SASSEEN, T.
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search [DE91-011824] 18 p3084 N91-27050
SASSEEN, T. P.
An optical and near infrared search for a pulsar in Supernova 1987A [DE91-007652] 10 p1616 N91-18913
SASSEN, KENNETH
Cirrus cloud model parameterizations: Incorporating realistic ice particle generation 01 p0075 N91-10453
Hydrometeor development in cold clouds in FIRE 01 p0076 N91-10459
Lidar and aircraft studies of deep Cirrus systems from the 1986 FIRE IFO 01 p0077 N91-10460
Subvisual Cirrus cloud properties derived from a FIRE IFO case study 01 p0077 N91-10464
Cirrus cloud properties derived from coincident GOES and lidar data during the 1986 FIRE Cirrus Intensive Field Observations (IFO) 01 p0080 N91-10476
A four-lidar view of Cirrus from the FIRE IFO: 27-28 October 1986 01 p0080 N91-10478
SASTRI, SANKAR
Fluorescent penetrant inspection 12 p1859 N91-20209
Magnetic particle inspection 12 p1859 N91-20210
Radiographic inspection 12 p1859 N91-20211
SASTRY, A. R.
Spread spectrum random access schemes [AD-A230303] 12 p1882 N91-20345
SASUGA, TSUNEO
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging [DE90-508070] 02 p0200 N91-11120
SATAYESH, A.
Photometric analysis of a space shuttle water venting 12 p1950 N91-20726
SATCHELL, J. S.
Progress in high Tc superconductors 05 p0722 N91-14031
SATER, JANET M.
IDA studies on natural space environmental effects on materials for SDIO [AD-A237974] 21 p3538 N91-29660
SATHER, DUANE P.
Pattern selection, wave formation, turbulence, and vortex breakdown in spiral flows [AD-A225068] 03 p0365 N91-12042
SATHUVALLI, UDAYA B.
A high temperature thermal diffusivity determination procedure for solids and liquids 13 p2066 N91-21377
SATIJA, S.
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection [DE90-007150] 02 p0198 N91-11108
SATIJA, S. K.
The characterization of interface roughness and other defects in multilayers by x ray scattering [DE91-007558] 11 p1808 N91-19929
Specular and diffuse scattering studies of multilayer interfaces [DE91-016893] 24 p4111 N91-32978
SATIN, ARTHUR L.
GPS composite clock software performance 17 p2858 N91-25801
SATIN, KAREN
The NASA master directory: Quick reference guide [NASA-TM-105070] 22 p3727 N91-30742
SATO, J.
Solutal diffusion measurements in liquid PbSnTe under microgravity (TEXUS 19) 23 p3832 N91-31372
SATO, KAZUO
Hot gas side heat transfer characteristics of LOX/H2 and LOX/HC type propellants [NAL-TR-1062T] 01 p0032 N91-10190
SATO, KENICHI
Energy converter from laser energy to electricity using plasma as a medium: The separation of ions by the medium 19 p3248 N91-27966
SATO, KOJI
Operation console 01 p0059 N91-10350
SATO, KUNIHIRO
Effects of a nonuniform open magnetic field on the plasma presheath [NIFS-67] 10 p1603 N91-18843
SATO, M.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography [DE91-727527] 06 p0806 N91-14451
Reduction of low energy components in pulse ion beam 11 p1801 N91-19889
Generation and focusing of carbon ion beam by the inverse pinch ion diode 11 p1801 N91-19890
Investigation of ATP blades, part 1 [DE91-750103] 12 p1846 N91-20144
Characteristics of ion beam generated with the 'point pinch diode' 19 p3249 N91-27969
SATO, MAMORU
An investigation of a two-dimensional hybrid laminar flow control airfoil at high subsonic flow. Part 1: Aerodynamic characteristic of a basic airfoil NLAM78 [NAL-TR-1076] 17 p2730 N91-25116
SATO, MASAHIRO
Specific impulse comparison of high density hydrocarbon fuel burned with oxygen [NAL-TR-1053] 01 p0025 N91-10148
SATO, MOTOMU
A new algorithm for generating block-structured grid and its application to complex aircraft configurations 04 p0455 N91-12543
Numerical simulation of transonic flows over Boeing-747 and its validation by comparison with experimental data 04 p0456 N91-12551
SATO, N.
Numerical simulation of potential-driven ion cyclotron oscillation 20 p3413 N91-28925
SATO, R. N.
Low dark current photovoltaic multiquantum well long wavelength infrared detectors 06 p0796 N91-14396
SATO, S.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography [DE91-727527] 06 p0806 N91-14451
A two micron polarization survey toward dark clouds 06 p0896 N91-14952
A rocket-borne measurement of interstellar dust emission at high galactic latitude 06 p0900 N91-14976
Further development of IDGS: Isotope dilution gamma-ray spectrometry [DE91-016315] 24 p4104 N91-32936
SATO, T.
A global simulation of the magnetosphere with a long tail: Southward and northward IMF [NIFS-99] 24 p4043 N91-32592
Macroscale implicit, electromagnetic particle simulation of inhomogeneous and magnetized plasmas in multi-dimensions [NIFS-91] 24 p4104 N91-32929
SATO, TETSUYA
Numerical analysis of flow in a scramjet engine 04 p0453 N91-12528
Suppression of magnetic surface breaking by simple extra coils in a finite beta equilibrium of helical system [NIFS-76] 17 p2866 N91-25848
Simulation study of toroidal phase-locking mechanism in reversed-field pinch plasma [NIFS-78] 17 p2866 N91-25850
Self-organizing processes in magnetically confined plasma 20 p3406 N91-28883
Equilibrium beta limit of helical systems 20 p3408 N91-28894
Computer simulation of solar wind-magnetosphere interaction 20 p3410 N91-28904
Simulation study of MHD relaxation and reconnection processes 20 p3411 N91-28908
Particle simulation on the tilt stabilization of the FRC plasma 20 p3412 N91-28917
Study of kink instability and current relaxation by three dimensional macroscale particle simulation 20 p3412 N91-28919
Nonadiabatic behavior of the magnetic moment of a charged particle in a dipole magnetic field 20 p3412 N91-28920
SATO, TOMOMASA
Planning of visual feedback with robot-sensor co-operation 15 p2491 N91-23793
Robot-sensor co-operation planning for visual guidance 15 p2491 N91-23794
A line based object localizing method for robot vision 15 p2491 N91-23795
SATO, TORU
Radar principles 18 p3009 N91-26615
SATO, TOSHIAKI
Rayleigh-Taylor instability in LIB ICF 11 p1800 N91-19883
SATO, YUKINORI
Aerothermal analysis for gas turbine combustion liner cooling slots 04 p0454 N91-12534
A numerical calculation method for three-dimensional flows in the dump diffuser of gas turbine combustor 04 p0463 N91-12593
Numerical analysis of high velocity flow field around the bluff body 04 p0468 N91-12621
SATOH, KAZUHIRO
Numerical simulation of aerodynamic effects of the rear-spoiler on an automobile 04 p0465 N91-12602
SATOH, KEN
A spectroscopic study of a plasma light source excited by a double Blumlein pulse forming network 19 p3248 N91-27963
SATOH, MOTOYASU
DCP data processing 01 p0062 N91-10375
SATOH, S.
Thirteen meter diameter space simulation test facility 07 p0952 N91-15228
SATORI, SHIN
Antimatter applied for Earth protection from asteroid collision 14 p2205 N91-22181
SATORIUS, E.
Digital frequency synthesizer for radar astronomy [NASA-CR-187814] 07 p1081 N91-15951
SATRAN, DALE R.
NASA's CFD Validation Program 02 p0144 N91-10845
SATTERFIELD, C. N.
Control of catalytic hydrotreating selectivity with ammonia [DE91-005511] 11 p1678 N91-19250
Control of catalytic hydrotreating selectivity with ammonia [DE91-008405] 13 p2049 N91-21272
SATTERWHITE, MELVIN B.
Hyperspectral signatures (400 to 2500 nm) of vegetation, minerals, soils, rocks, and cultural features: Laboratory and field measurements [AD-A239496] 23 p3888 N91-31697
SATTISON, M. B.
Living PRAs (Probabilistic Risk Analysis) made easier with IRRAS (Integrated Reliability and Risk Analysis System) [DE90-010938] 08 p1161 N91-16395
SATTORD, L. K.
Cyclic voltammetric wave-shapes for microdisk electrodes: Coupled effects of solution resistance, double-layer capacitance, and finite electrochemical kinetics [AD-A237505] 21 p3505 N91-29455
SAUBADE, C.
Presentation of a computer program for analysing results of one shot device sensitivity tests: Application to the case of a one shot degenerated sequence [REPT-911-430-126] 15 p2485 N91-23758
SAUBER, JEANNE M.
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591
SAUER, HERBERT H.
NOAA/TIROS and GOES observations of galactic and solar cosmic rays over a solar cycle 03 p0443 N91-12475
Space radiation dose analysis for solar flare of August 1989 [NASA-TM-4229] 05 p0768 N91-14265
SAUER, K.
Multiple-ion waves behind shocks 01 p0071 N91-10429
SAUER, KEN D.
Real-time filtering and detection of dynamics for compression of HDTV [NASA-CR-187777] 08 p1200 N91-16596
SAUER, RANDAL S.
Low-temperature plasma technology as part of a closed-loop resource management system 14 p2204 N91-22174
SAUER, RICHARD L.
Regenerable biocide delivery unit [NASA-CASE-MSC-21763-1] 17 p2817 N91-25570
Biofilm monitoring coupon system and method of use [NASA-CASE-MSC-21585-1] 23 p3897 N91-31755
SAUER, TOM
Near ground level sensing for spatial analysis of vegetation 07 p1023 N91-15617
SAUERNHEIMER, KARLHANS
Europe 1993: The single European market and R and D policy at Krupp 24 p4114 N91-32995

SAUERS, I.
Evidence for SF4 and SF2 formation in SF6 corona discharges
[DE91-015927] 24 p3989 N91-32285

SAUERZOPF, F. M.
Critical current densities in neutron irradiated high-T(sub c) single crystals
[DE90-017794] 03 p0421 N91-12355

SAULNIER, GARY J.
Spread spectrum communications emulator design
[AD-A235403] 18 p2976 N91-26430

SAULT, A. G.
An exploratory program for using hydrous metal oxide ion exchangers as Fischer-Tropsch catalysts
[DE91-002341] 05 p0635 N91-13521

SAUNDERS-HODGE, SABRINA F.
Impact of automation and data link enhancements on oceanic air traffic control 24 p3958 N91-32117

SAUNDERS, MICHAEL A.
An adaptive primal-dual method for linear programming
[AD-A231903] 14 p2307 N91-22748
Primal-dual methods for linear programming
[AD-A237418] 21 p3555 N91-29756
Practical aspects of an interior-point method for convex programming
[AD-A239457] 23 p3914 N91-31858

SAUNDERS, NEAL T.
Lewis aeropropulsion technology: Remembering the past and challenging the future
12 p1835 N91-20087

SAUNDERS, P. M.
CTDO and nutrient data from Charles Darwin cruise 50 in the Iceland Faeroes region
[IOS-282-1991] 22 p3712 N91-30664

SAUNDERS, R. S.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011

SAUNDERS, S.
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056

SAUNDERS, THOMAS E.
Performance of small thrusters and propulsion systems
[AD-A231482] 13 p2044 N91-21241

SAURER, CRAIG
STB-White
[NASA-CR-187012] 04 p0477 N91-12662

SAUSEN, TANIA MARIA
Characterization of antropic action in the Mearim (MA) middle-low valley through LANDSAT/TM imagery
[INPE-5075-PRE/1594] 13 p2111 N91-21620
Impact of anthropogenic effects on the Lake Acu basin based on LANDSAT imagery
[INPE-5020-RPE/614] 22 p3696 N91-30578

SAUTER, LINDA M.
Photometric narrowband CCD imaging of comets P/Brorsen-Metcalf and Austin (1989c1)
12 p2001 N91-21014

SAUTHOFF, N.
Computing for magnetic fusion energy research: The next five years
[DE91-010686] 15 p2512 N91-23921

SAUVAUD, J. A.
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010

SAUVE, J. L.
Performance of hypervelocity armatures with replenished metal vapor plasmas
[DE91-011931] 18 p2934 N91-26187

SAVAGE, BLAIR
UV-optical from space 24 p4119 N91-33021

SAVAGE, H.
Li overlayer formation, oxidation, and sputtering characteristics of Al-Li alloys and W/Al-Li composites for fusion applications
[DE91-006529] 09 p1408 N91-17750

SAVAGE, M.
Rotorcraft drivetrain life safety and reliability
[AGARD-R-775] 01 p0007 N91-10042
Drive system life and reliability
01 p0008 N91-10044
Effects of rim thickness on spur gear bending stress
[NASA-TM-104388] 15 p2437 N91-23500
Maximum life spur gear design
[NASA-TM-104361] 15 p2439 N91-23514
Transmission overhaul estimates for partial and full replacement at repair
[NASA-TM-104395] 22 p3688 N91-30533

SAVAGE, MICHAEL
Life and dynamic capacity modeling for aircraft transmissions
[NASA-CR-4341] 11 p1714 N91-19438

SAVAGE, N. J.
Work of fracture of composites in axial compression: Measurement and origins
[RARDE-1/90] 05 p0633 N91-13505

SAVAGLIO, CLARE MARY
Planar motion of a tethered satellite-platform system in a slightly elliptic orbit 09 p1297 N91-17118

SAVANT, GAJENDRA
Holographic rugate structures for x ray optics applications
[DE90-017103] 01 p0045 N91-10270

SAVART, DENIS
Failure analysis of VLSI integrated circuits by electron beam tester
[ETN-91-99477] 22 p3670 N91-30436

SAVELY, ROBERT T.
Advanced training systems 09 p1279 N91-17034
Fourth Annual Workshop on Space Operations Applications and Research (SOAR 90)
[NASA-CP-3103-VOL-1] 12 p1934 N91-20641
Fourth Annual Workshop on Space Operations Applications and Research (SOAR 90)
[NASA-CP-3103-VOL-2] 12 p1945 N91-20702
Intelligent computer-aided training and tutoring
15 p2535 N91-24042

SAVILLE, D. A.
The fluid mechanics of continuous flow electrophoresis
[NASA-CR-187647] 05 p0657 N91-13648

SAVIN, S. P.
Specific tasks of multiple scale plasma measurements in Regatta-Cluster system 01 p0069 N91-10419

SAVINA, V. P.
Biochemical aspects of human adaptation to combined effect of antiorthostasis, decreased barometric pressure, and increased oxygen content 18 p3024 N91-26694

SAVOLAINEN, TAPANI
Software integration technologies in industrial applications
[MA-55] 01 p0108 N91-10627

SAWADA, H.
Result of ONERA standard model test in 2m x 2m transonic wind tunnel
[DE91-750115] 11 p1644 N91-19066

SAWADA, KEIJI
Cross section for production of excited hydrogen atoms following dissociative excitation of molecular hydrogen by electron impact
[DE91-745035] 11 p1796 N91-19852

SAWADA, KEISUKE
Interaction between a spherical jet and a flow
04 p0468 N91-12620
Navier-Stokes simulation for complete aircraft configuration 24 p3945 N91-32046
The role of computational fluid dynamics in aeronautical engineering (8): A mixed compression inlet for a supersonic airplane 24 p3945 N91-32048

SAWANT, H. S.
An unusual case of meter wave type-3 bursts leading millimeter-wave bursts
[INPE-5140-PRE/1628] 13 p2183 N91-22064

SAWCHUK, A. A.
Nonlinear real-time optical signal processing
[AD-A232889] 15 p2510 N91-23909

SAWCHUK, ALEXANDER A.
Center for the Integration of Optical C
[AD-A235277] 18 p3064 N91-26931
Research instrumentation for optical computing
[AD-A235335] 18 p3064 N91-26932

SAWIN, LINDA L.
Comparison of male and female USAF pilot candidates 02 p0245 N91-11362

SAWKO, PAUL M.
Composite flexible blanket insulation
[NASA-CASE-NPO-11907-1-NP]
23 p3807 N91-31236

SAWYER, C. R.
Crystal surface analysis using matrix textural features classified by a probabilistic neural network
[DE91-014120] 20 p3433 N91-29048

SAXENA, ASHOK
Elevated temperature crack growth in titanium aluminides
[AD-A227700] 08 p1115 N91-16125

SAXENA, SURENDRA K.
Theoretical predictions of volatile bearing phases and volatile resources in some carbonaceous chondrites
17 p2750 N91-25222

SAXON, ROBERTA P.
Theoretical investigation of energy storage in atomic and molecular systems: Metastable molecular fuels
[AD-A230854] 13 p2150 N91-21852

SAYKALLY, RICHARD J.
Structures, properties, and dynamics of metal clusters from infrared laser spectroscopy
[AD-A237669] 21 p3523 N91-29570

SAYLER, G. S.
Non-destructive on-line monitoring of MIC (microbially influenced corrosion)
[DE90-017770] 10 p1499 N91-18251

SAYLES, ANDRE HARDING
Design of integrated CMOS circuits for parallel detection and storage of optical data
[AD-A225702] 05 p0650 N91-13611

SAYOOD, KHALID
Development and evaluation of packet video schemes
[NASA-CR-187690] 07 p0990 N91-15433
Data compression for full motion video transmission
[NASA-TM-105239] 24 p3983 N91-32247

SCACCHI, WALT
Models of software evolution: Life cycle and process
[AD-A236120] 19 p3228 N91-27842

SCACE, JACQUE R.
Factors shaping the evolution of electronic documentation systems
[NASA-CR-187257] 04 p0605 N91-13363

SCACE, R. I.
Semiconductor technology for the non-technologist, 2nd edition
[PB91-107193] 09 p1410 N91-17757

SCALES, W. A.
Ionospheric chemical releases
10 p1553 N91-18540

SCALISE, E., JR.
Monitoring of water masers from IRAS sources
[INPE-5055-PRE/1588] 03 p0389 N91-12166

SCALLION, WILLIAM I.
Effects of nozzle exit geometry and pressure ratio on plume shape for nozzles exhausting into quiescent air
[NASA-TM-104097] 16 p2550 N91-24129
Advanced Hypervelocity Aerophysics Facility Workshop
[NASA-CP-10031] 16 p2563 N91-24211

SCAMARCIO, G.
Raman properties of various carbonaceous materials and their astrophysical implications
06 p0893 N91-14933

SCAMMON, R. J.
Grunelsen-stress induced ablation of biological tissue
[DE91-009957] 14 p2298 N91-22702
Ablation of material by front surface spallation
[DE91-014773] 21 p3522 N91-29583

SCANDRETT, C. L.
Acoustic interactions in arrays of spherical elastic shells
[AD-A226091] 04 p0579 N91-13227

SCANLAN, R. M.
Development of scaling rules for Rutherford type superconducting cables
[DE91-007644] 10 p1610 N91-18886

SCANLEY, A.
Summary of interim reports submitted by grantee organizations participating in the Federal Demonstration Project
[DE91-013938] 22 p3763 N91-30979

SCANLON, CHARLES H.
NASA transport systems research vehicle B-737 data link system and display formats
[NASA-TM-102717] 01 p0010 N91-10058
Flight tests with a data link used for air traffic control information exchange
[NASA-TP-3135] 23 p3791 N91-31143

SCARAMUZZI, F.
A high throughput, multiband photometer for the TIR project 13 p2180 N91-22042

SCARDERA, MICHAEL P.
The Navstar GPS master control station's Kalman filter experience 09 p1290 N91-17091

SCARR, G. K.
Research and development for improved toughness aluminides
[AD-A226627] 05 p0636 N91-13524

SCARROTT, S. M.
The wavelength dependence of polarization in NGC 2023 06 p0891 N91-14923
The discovery of a highly polarized bipolar nebula
06 p0911 N91-15031

SCATTOLINI, R.
Recursive estimation of time delay in sampled systems
[REPT-90-046] 22 p3747 N91-30887

SCATTOLINI, RICCARDO
On the output control of multirate systems subject to arbitrary exogenous signals
[REPT-91-006] 22 p3742 N91-30847

SCHAACK, TODD K.
Atlas of the global distribution of atmospheric heating during the global weather experiment
[NASA-CR-4370] 19 p3201 N91-27694

SCHAAF, CRYSTAL B.
The hemispheric eighth mesh terrain elevation and geography data sets
[AD-A231592] 13 p2111 N91-21624
SCHAAFSMA, W.
The Islamic mean: A peculiar L-statistic
[W-9013] 10 p1587 N91-18751
SCHAAKE, H. F.
Properties of II-VI semiconductors: Bulk crystals, epitaxial films, quantum well structures, and dilute magnetic systems, volume 161
[AD-A229589] 22 p3759 N91-30951
SCHAAP-KRUSEMA, JOOS
An attributed ELL(1)-parser generator
[MEMO-INF-90-23] 10 p1570 N91-18634
SCHABER, G. G.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
SCHACHAM, SAMUEL E.
Surface and implantation effects on p-n junctions 10 p1508 N91-18299
Properties of insulator interfaces with p-HgCdTe 10 p1509 N91-18300
Surface electrons in inverted layers of p-HgCdTe 10 p1509 N91-18301
SCHACK, C. J.
Research in inorganic fluorine chemistry
[AD-A238348] 22 p3647 N91-30300
SCHADE, NICHOLAS
Universal ground adapter assembly
[AD-D014908] 21 p3502 N91-29439
SCHADLER, LINDA SUE
A study of the micromechanics of the fiber-matrix interphase in monofilament composites, in monotonic loading, and cyclic fatigue 15 p2392 N91-23241
SCHADOW, KLAUS C.
Fluid mixing device having a conical inlet and a noncircular outlet
[AD-D014708] 11 p1700 N91-19364
SCHAEBEN, H.
Approximation and geometric modeling with simplex B-splines associated with irregular triangles
[MEMO-842] 01 p0115 N91-10673
SCHAEFER, A.
Observations of thermal ion influxes about the space shuttle 09 p1404 N91-17727
SCHAEFER, DALE W.
Materials Research Society Symposium Proceedings: Polymer Based Molecular Composites, volume 171
[AD-A229199] 09 p1305 N91-17159
SCHAEFER, GLEN A.
The transition of ground-based space environmental effects testing to the space environment 12 p1952 N91-20738
SCHAEFER, H. F., III
Theoretical studies of hydrocarbon combustion chemistry
[DE91-010620] 17 p2757 N91-25260
SCHAEFER, H. J.
Mean and turbulent velocity measurements in a turbojet exhaust
[ISL-CO-244/89] 12 p1842 N91-20124
SCHAEFER, HEINZ-JUERGEN
The Cabannes-lidar for the examination of the stratosphere: Selected design elements for the experimental construction
[BONN-IR-90-39] 08 p1180 N91-16493
SCHAEFER, M. W.
Chemical evolution of the early Martian hydrosphere 14 p2351 N91-23001
SCHAEFER, R.
Heat-rate improvements obtained with the use of enhanced tubes in surface condensers
[DE91-006565] 13 p2078 N91-21449
SCHAEFER, R. M.
Conversion of methanol-fueled 16-valve, 4-cylinder engine to operation on gaseous 2H2/CO fuel
[PB91-195941] 21 p3528 N91-29602
SCHAEFER, THOMAS A.
Thermomechanical processing and ambient temperature properties of a 6061 aluminum 10 volume percent alumina metal matrix composite
[AD-A227004] 06 p0803 N91-14433
SCHAEFER, W.
Metallic foams (TEXUS 5) 23 p3847 N91-31451
Preparation of aluminium foams (TEXUS 9) 23 p3848 N91-31452
SCHAEFFER, E.
Air traffic controller memory enhancement
[DOT/FAA/CT-TN90/38] 06 p0854 N91-14713
SCHAEFFER, JON CONRAD
The oxidation behavior of carbon-carbon composites and their coatings 08 p1106 N91-16074
SCHAEFFER, M.
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF 16 p2725 N91-25096
SCHAEFFLER, T.
Ariane capsule: Phase B1 study on structure subsystem 03 p0327 N91-11821
SCHAENZER, G.
Effect of wind and wind variation on aircraft flight-paths 02 p0168 N91-10972
Wind models for flight simulation 02 p0168 N91-10975
SCHAFF, WILLIAM J.
Advanced technology for improved quantum device properties using highly strained materials
[AD-A233109] 16 p2694 N91-24916
SCHAFFAR, LAURENCE
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619
SCHAFFAR, M.
Noise prediction for a three-dimensional blade/line vortex interaction
[ISL-CO-226/89] 03 p0415 N91-12322
Effect of non-rectangular blade tips on BVI noise for a two-bladed rotor
[ISL-CO-217/90] 12 p1975 N91-20866
Blade-wake interaction on a two blade rotor with prediction of the radiated noise stationary and forward flight, comparison between calculation, and experiment
[ISL-R-120/89] 13 p2148 N91-21832
SCHAFFAR, MARTIN
Rotor loads computation using singularity methods and application to the noise prediction
[ISL-PU-301/90] 01 p0004 N91-10018
SCHAFFER, M. J.
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
SCHAFFER, M. S.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
SCHAFFNER, P.
Description, characteristics and testing of the NASA airborne radar 16 p2554 N91-24156
SCHAFHAUSER, ERICH
Payload related crew operations: From past missions to Columbus 15 p2449 N91-23569
SCHALK, R. M.
Critical currents in sputtered YBCO films
[DE91-017976] 24 p4113 N91-32987
SCHALL, WOLFGANG
Laser technology for space tasks
[DLR-MITT-90-10] 03 p0371 N91-12080
SCHALLHORN, P. A.
Proof-of-concept automation of propellant processing 17 p2748 N91-25204
Autonomous production of propellants 17 p2751 N91-25226
Experimental data from an oxygen plant for Mars 17 p2913 N91-26082
SCHANTZ, RICHARD E.
Architectures for a high performance distributed operating system
[AD-A235333] 18 p2976 N91-26429
SCHAPERY, R. A.
Simplifications in the behavior of viscoelastic composites with growing damage
[AD-A225788] 04 p0497 N91-12759
Analysis of damage growth in particulate composites using a work potential
[AD-A225790] 07 p0969 N91-15317
SCHAPIRE, ROBERT E.
The design and analysis of efficient learning algorithms
[AD-A231888] 14 p2307 N91-22747
SCHAPOSNIK, F. A.
Path-integral measure for Chern-Simons theory within the stochastic quantization approach
[DE91-617610] 20 p3435 N91-29056
SCHAPPERT, G. T.
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556
SCHAPPERT, GOTTFRIED T.
Intensity dependent Thomson scattering and harmonic generation from free electrons
[DE91-000236] 03 p0370 N91-12075
SCHARDT, B. C.
Comparisons between scanning tunneling microscopy and outer-sphere electron-transfer rates at Pt(111) surfaces coated with ordered iodine adlayers
[AD-A237507] 21 p3575 N91-29883
Atomic-resolution scanning tunneling microscopy and infrared spectroscopy as combined in-situ probes of electrochemical adlayer structure: Carbon monoxide on rhodium(111)
[AD-A237508] 21 p3575 N91-29884
SCHARDT, MATHIAS
The applicability of thematic mapper data to the classification of tree species and natural age classes
[DLR-FB-90-44] 15 p2456 N91-23612
SCHARF, RAINER
The nonlinear Schroedinger equation on a disordered chain
[DE91-005881] 09 p1391 N91-17656
SCHARFEN, GREG
Global lightning studies 24 p4057 N91-32667
SCHARFENBERG, GOTTFRIED
Possibilities of simulation and optimization for guided missile systems
[MBB-UA-1201-90-PUB] 23 p3798 N91-31183
SCHARLEMANN, E. T.
Generation of XUV light by resonant frequency tripling in a two-wiggler FEL amplifier
[DE90-012120] 08 p1153 N91-16349
SCHARMANN, A.
Measurement of the critical Ma number versus Pr number in floating zone 14 p2335 N91-22906
Oscillatory Marangoni convection (TEXUS 3A and 3B) 23 p3824 N91-31333
Critical Marangoni number (TEXUS 5) 23 p3825 N91-31334
Critical Marangoni number (TEXUS 8) 23 p3825 N91-31335
SCHARRER, GREGORY L.
Characteristics and development report for the MC3714 thermal battery
[DE91-000095] 03 p0359 N91-12013
SCHARROO, R.
Extraction of mesoscale ocean currents information from Geosat altimeter data 15 p2453 N91-23594
SCHATTEN, KENNETH H.
Climate Impact of Solar Variability
[NASA-CP-3086] 03 p0439 N91-12456
Energy transport below sunspots and faculae 03 p0441 N91-12464
A solar constant model for sun-climate studies: 1600-2000AD 03 p0444 N91-12481
SCHATZ, ALBRECHT
Does gravity play a role in the morphological development and function of the gravity sensory organ of vertebrates. DLR contribution to the D-2 project graviperception and neuronal plasticity, its technical realization and experimental execution 11 p1752 N91-19635
Gravity perception by non-specialized structures 11 p1752 N91-19636
SCHATZ, BRUCE RAYMOND
Interactive retrieval in information spaces distributed across a wide-area network 23 p3935 N91-31992
SCHAUB, R. L.
Procedures for Quality Assurance Program
[DE90-010001] 08 p1161 N91-16393
SCHAUB, WILLIAM R., JR.
MISAWA snow accumulation study
[AD-A233113] 16 p2660 N91-24716
SCHAUER, M. W.
Second harmonic generation and sum frequency generation
[DE91-006654] 10 p1609 N91-18883
SCHAUER, R.
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588
Neurological findings after 72 hours water immersion 11 p1745 N91-19597
SCHAUERTE, WOLFGANG
Utilization of geodetic measuring techniques, using the electron-stretcher-accelerator (ELSA) of Bonn University (Feb. Republic of Germany)
[BONN-IR-90-23] 03 p0385 N91-12146
SCHAUM, A.
Analytic methods of image registration: Displacement estimation and resampling
[AD-A233385] 16 p2670 N91-24776
SCHAUS, C. F.
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510
Strained quantum well leaky-mode diode laser arrays
[DE91-009982] 15 p2433 N91-23477
SCHAUS, J. E.
Cylinder pressure analysis of a diesel engine using oxygen-enriched air and emulsified fuels
[DE90-017660] 03 p0373 N91-12090
Oxygen-enriched diesel engine performance: A comparison of analytical and experimental results
[DE91-006491] 11 p1714 N91-19440

Effects of oxygen enrichment and fuel emulsification on diesel engine performance and emissions
[DE91-016520] 24 p4027 N91-32506

SCHAUWER, J.
Experimental equipment for space biology
[MBB-UO-0096-90-PUB] 11 p1764 N91-19708

SCHEALL, MICHAEL JAMES
Short term retention of temporal sequence, spatial location, and item magnitude information
[AD-A227732] 07 p1037 N91-15688

SCHECHTER, J.
Research program in elementary particle theory (task A)
[DE91-016937] 24 p4098 N91-32895

SCHECHTER, JOSEPH
Research program in elementary particle theory
[DE90-017284] 02 p0267 N91-11497

SCHEELE, M. P.
Objective analysis of precipitation observations during the Chernobyl episode
[KNMI-TR-122] 04 p0549 N91-13048

SCHEER, E. M.
Polyaniline: Oriented films and fibers
[AD-A234414] 18 p2962 N91-26347

SCHEFFER, NORBERT
Transient radiation fields of wire antennas with buckle and discrete nonlinearities
[ETN-91-98496] 07 p0995 N91-15465

SCHEFFER, TERRANCE
SE and I system testability: The key to space system FDIR and verification testing 09 p1283 N91-17053

SCHEFTER, M.
A study of space communications spread-spectrum systems, phase 5 and 6. Part 2: Coding and modulation
[QU-90-2-PT-2] 21 p3496 N91-29396

SCHEIDKER, E.
COBE attitude as seen from the FDF
09 p1287 N91-17078

SCHEIDLER, MICHAEL J.
Time rates of generalized strain tensors. Part 1: Component formulas
[AD-A232497] 15 p2431 N91-23469

SCHEIDT, TONY
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040

SCHEIMAN, DAVID A.
Thermal cycle testing of Space Station Freedom solar array blanket coupons 11 p1672 N91-19216
Rapid thermal cycling of solar array blanket coupons for Space Station Freedom 22 p3637 N91-30239

SCHEINBEIM, J. I.
Annealing effects on phase 1 poly(vinylidene fluoride)
[AD-A236741] 19 p3142 N91-27366
Discharge poling and poly(vinylidene fluoride) films
[AD-A236810] 19 p3143 N91-27368
Effects of annealing on the polarization switching of phase 1 poly(vinylidene fluoride)
[AD-A237015] 19 p3143 N91-27371
High temperature characteristics of Nylon-11 and Nylon-7 piezoelectrics
[AD-A236809] 19 p3160 N91-27468
Ferroelectric polarization switching in nylon 11
[AD-A236985] 19 p3161 N91-27475

SCHEINBEIM, JERRY I.
An extension of a kinetic theory of polymer crystallization through the exclusion of negative barriers
[AD-A236999] 20 p3322 N91-28387
Effect of TCP doping on the remnant polarization in uniaxially oriented poly(vinylidene fluoride) films
[AD-A237001] 20 p3322 N91-28388
Effect of water content on the piezoelectric properties of nylon 11 and nylon 7
[AD-A237013] 20 p3322 N91-28389

SCHEINES, RICHARD
Using artificial intelligence to aid in the development of causal models
[AD-A231273] 13 p2142 N91-21794

SCHELL, STEPHAN V.
Signal-selective high-resolution direction finding in multipath
[AD-A226225] 04 p0476 N91-12656

SCHELLHORN, M.
Thermocapillary convection in laser irradiated liquids
[ISL-CO-214/89] 04 p0530 N91-12942
Influence of thermocapillary convection on the temperature distribution and the geometry of the melt
[ISL-R-106/89] 04 p0530 N91-12943

SCHEMMANN, M. F. C.
Mounting and DC to 18 GHz characterization of double barrier resonant tunneling devices
[EUT-89-E-231] 22 p3761 N91-30965

SCHEMPF, HAGEN
Comparative design, modeling, and control analysis of robotic transmissions
[AD-A231738] 14 p2271 N91-22565

SCHEMPP, A.
Design and application possibilities of superconducting radio-frequency quadrupoles
[DE91-004477] 06 p0883 N91-14881

SCHENCK, A.
Connections between magnetism and superconductivity in UBe13 doped with thorium or boron
[DE91-011416] 17 p2873 N91-25894

SCHENCK, P. K.
Thermodynamic and kinetic stability of refractory materials at ultra-high temperatures
[AD-A235490] 19 p3133 N91-27314

SCHENK, AXEL
Modal identification of a deployable space truss
[NASA-TM-102720] 11 p1721 N91-19474

SCHENK, KARIN
Mutation induction in dried yeast cells after irradiation with selected UVC- and UVB- wavelengths compared to simulated sunlight 11 p1760 N91-19686

SCHERB, F.
Fabry-Perot observations of comet Austin
12 p2003 N91-21021

SCHERBARTH, D. W.
Evaluation of electromagnetic and electrothermal launchers for the BRL advanced test facility
[AD-A229661] 12 p1851 N91-20176
Design and test of a continuous duty pulsed ac generator
[DE91-014664] 21 p3504 N91-29445

SCHERE, K. L.
Wind field development for the EPA regional oxidant model
[PB91-191213] 22 p3710 N91-30648

SCHERER, H.
Measurement of eye movements in space-related research environments 11 p1744 N91-19591

SCHERMANN, P. S.
Simulation of the dynamic behaviour of the gas supply system for large acoustic facilities
07 p0954 N91-15247

SCHEROCMAN, JAMES A.
International State-of-the-Art Colloquium on Low-Temperature Asphalt Pavement Cracking
[AD-A233663] 18 p2971 N91-26402

SCHERR, E. M.
Polyaniline: Inter-relationship between ultra-structure and properties
[AD-A236993] 19 p3143 N91-27370

SCHERR, ELLIOT M.
Thermal transitions and mechanical properties of the films of chemically prepared polyaniline
[AD-A233807] 18 p2959 N91-26329

SCHERRER, DOMINIQUE
Comparative study of different systems of combined cycle propulsion 15 p2376 N91-23152

SCHERSON, D. A.
Ex-situ and in-situ spectroscopic studies of the passive film on lithium in non-aqueous solvents
[DE91-010227] 17 p2757 N91-25258
In situ FTIR study of CO2 reduction on polycrystalline platinum in acid solutions
[AD-A235565] 19 p3123 N91-27253
In-situ spectroscopic studies of redox active self-assembled monolayers on gold electrode surfaces
[AD-A235564] 19 p3157 N91-27452

SCHERTZ, P. T.
Facet development for a faceted stretched-membrane dish by Solar Kinetics, Inc.
[DE91-016866] 23 p3890 N91-31713
Design and cost of the first commercial stretched-membrane heliostat
[DE91-016870] 23 p3891 N91-31715

SCHERZINGER, BRUNO M.
NAVPACK: Simulation tools for design of high performance integrated navigation systems
07 p1046 N91-15739

SCHETZINA, J. F.
Growth and properties of Hg-based quantum well structures and superlattices 06 p0797 N91-14403
Symposium E: Properties of 2-6 semiconductors. Bulk crystals, epitaxial films, quantum well structures
[AD-A234835] 18 p3069 N91-26957
Device processing of II-VI semiconductor films and quantum well structures
[AD-A238460] 21 p3598 N91-30017
Properties of II-VI semiconductors: Bulk crystals, epitaxial films, quantum well structures, and dilute magnetic systems, volume 161
[AD-A229589] 22 p3759 N91-30951

SCHEUCH, GEORGE C.
Monitoring shuttle electrical systems using artificial neural networks 14 p2216 N91-22247
Distributed voice control for the large screen display in the mission control center 14 p2220 N91-22273

SCHEUCH, PATRICK
The Cabannes-lidar for the examination of the stratosphere: The beam path of the receiving branch
[BONN-IR-90-20] 03 p0391 N91-12175

SCHEUREN, J.
Preparation of biliquid foam compositions
[DE91-006740] 16 p2612 N91-24461

SCHEVE, M.
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649

SCHEWE, GUENTER
Determination of unsteady aerodynamic forces on engines with a view to flutter investigations
02 p0160 N91-10927

SCHEXNAYDER, A. R.
Ventral segmented nozzles
[CA-PATENT-APPL-SN-2-009-636]
23 p3796 N91-31176

SCHIAFFINO, S.
Contractile protein changes induced by hindlimb suspension in rat skeletal muscle
11 p1754 N91-19646

SCHIAVI, PETER
Horizontal fault tolerance in a fully distributed loosely coupled environment
[AD-A227972] 08 p1207 N91-16638

SCHIAVILLA, R.
Variational Monte Carlo studies of electromagnetic structure of few-body nuclei
[DE91-007756] 11 p1793 N91-19638

SCHIAVONE, F.
Hardware-in-the-loop simulation at the Naval Weapons Center 07 p1045 N91-15733

SCHIAVONI, NICOLA
On the initialization problem in the design of structurally constrained digital regulators
[REPT-90-039] 15 p2484 N91-23749
On the output control of multirate systems subject to arbitrary exogenous signals
[REPT-91-006] 22 p3742 N91-30847

SCHICHTEL, BRET A.
Visibility data filters for Europe
[AD-A225985] 04 p0549 N91-13046

SCHICK, CLAUS
MBB'S BO 108 design and development
[MBB-UD-0568-90-PUB] 01 p0009 N91-10055

SCHICK, W. R.
Performance of underwater weldments
[PB91-129254] 11 p1717 N91-19452

SCHIDLOVSKY, G.
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859

SCHIEDER, R.
The submillimeter wave astronomy satellite
13 p2177 N91-22025
New Cologne acousto-optical spectrometer projects
13 p2179 N91-22034

SCHIEFEN, JOHN T.
Cost effectiveness of two versus three levels of maintenance for turbine engines in the Air Force inventory
[AD-A229622] 24 p3961 N91-32137

SCHIELOW, N.
MARS: A generic mission planning tool
14 p2215 N91-22238

SCHIEMAN, DAVID A.
Thermal cycle testing of Space Station Freedom solar array blanket coupons 11 p1672 N91-19216

SCHIER, J. ALAN
Torque sensor having a spoked sensor element support structure
[NASA-CASE-NPO-17461-1-CU]
09 p1338 N91-17350
Fluid-loop reaction system
[NASA-CASE-NPO-17204-1-CU]
17 p2779 N91-25380

SCHIERLE, G. G.
MALEO: Modular Assembly in Low Earth Orbit. A strategy for an IOC lunar base 14 p2203 N91-22170

SCHIERMEIER, JOHN EDWARD
Geometrically nonlinear analysis with the p-version of the finite element method 22 p3691 N91-30553

SCHIERMEYER, I.
A closure concept based on degree-sums of independent triples
[MEMO-864] 04 p0575 N91-13197

SCHIFERL, S. K.
Texture-induced anisotropy and high-strain rate deformation in metals
[DE90-016611] 01 p0027 N91-10163

SCHIFERT, S. K.
Effects of anisotropy on dynamic tensile behavior
[DE91-014748] 21 p3533 N91-29632

SCHIFF, LEWIS B.
Numerical simulation of F-18 fuselage forebody flows at high angles of attack 02 p0147 N91-10859
SCHIFFER, M.
The structure and function of membrane protein photosynthetic reaction center
[DE90-017795] 02 p0243 N91-11353
SCHIFFMAN, ROBERT A.
NCTM of liquids at high temperatures using polarization techniques 13 p2061 N91-21345
Optical property measurements as a diagnostic tool for control of materials processing in space and on Earth 13 p2064 N91-21366
Containerless processing of amorphous ceramics 13 p2064 N91-21367
SCHIFLETT, SAMUAL E.
Aircrew Evaluation Sustained Operations Performance (AESOP): A triservice facility for technology transition
[AD-A234626] 18 p3032 N91-26738
SCHIHANG, SHU
Development of low-threshold value, high-power semiconductor laser
[AD-A237183] 21 p3523 N91-29566
SCHIJVE, J.
Crack opening stress measurements of surface cracks in 7075-T6 Al alloy plate specimens through electron fractography
[LR-641] 11 p1724 N91-19492
Fatigue, static tensile strength, and stress corrosion of aircraft materials and structures. Part 1: Text
[PB91-114553] 12 p1910 N91-20504
SCHILDBACH, M.
Investigation of neutral atom and ion emission during laser conditioning of multilayer HfO2-SiO2 coatings
[DE91-009749] 15 p2502 N91-23860
SCHILDBACH, M. A.
In-situ scanned probe studies on site specificity of laser surface damage of graphite, sapphire, and multilayer coatings
[DE91-008568] 14 p2269 N91-22555
SCHILDT, U.
Development of a digital data acquisition and evaluation system for dynamic testing 07 p0959 N91-15280
SCHILL, J. P.
On-line magnetic tape Library Inventory Tracking And Reporting (LITAR) system
[AD-A234934] 18 p3077 N91-27004
SCHILLER, PETER
Life sciences in ESA TRP activity 11 p1744 N91-19589
SCHILLING, C. H.
Interfacial chemistry and structure in ceramic composites
[DE91-005676] 10 p1502 N91-18269
Stress-density variations in alumina sediments: Effects of polymer chemistry
[DE91-009055] 15 p2404 N91-23313
Advances in the drained shaping of ceramics
[DE91-015429] 21 p3492 N91-29376
SCHILLING, CHRISTOPHER H.
Method and apparatus for producing microshells
[NASA-CASE-NPO-16635-1-CU] 24 p3981 N91-32240
SCHILLING, H.
Experimental aerodynamics for hot gas jet reaction control systems 06 p0775 N91-14300
SCHILLING, S. P.
Close-range geophotogrammetric mapping of trench walls using multi-model stereo restitution software
[DE91-013105] 20 p3366 N91-28645
GEOTRANS: An interface program from GEOPROGRAM to a geographic information system
[DE91-016111] 23 p3936 N91-31998
SCHILLING, STEVEN P.
Color palette: Plotting guide for use with GSMAP and GSDRAW digital cartographic software
[DE91-001643] 06 p0858 N91-14737
SCHIMEL, DAVID S.
Terrestrial ecosystems and climatic change
[DE91-001492] 05 p0685 N91-13813
SCHIMKE, D.
MBB BO 108 helicopter ground and flight test evaluation
[MBB-UD-0546-89-PUB] 04 p0478 N91-12664
SCHIMMEL, MORRY L.
Improving the performance of blasting caps
[NASA-CASE-LAR-13832-1] 20 p3330 N91-28444
Ignitability test method and apparatus
[NASA-CASE-LAR-14454-1] 24 p3973 N91-32196
SCHIMMERLING, W.
Ground-based measurements of galactic cosmic ray fragmentation in shielding
[DE91-012336] 20 p3448 N91-29133
SCHIMMERLING, WALTER
Preliminary analysis of a radiobiological experiment for LifeSat
[NASA-TM-4236] 09 p1450 N91-17998
SCHIMMING, P.
Propfan technology 03 p0309 N91-11730
SCHINDLER, A. I.
MISCON: The Midwest Superconductivity Consortium, part 1
[DE91-008266] 12 p1991 N91-20962
MISCON: The Midwest Superconductivity Consortium, part 2
[DE91-008267] 12 p1992 N91-20963
SCHINDLER, KARL
Modeling of the quasi-steady magnetotail
[DE91-000444] 04 p0546 N91-13030
SCHINDLER, M.
MMIC compensation network for phased array element mismatch
[AD-A227437] 06 p0818 N91-14522
SCHIPANI, SALVATORE P.
An indexed bibliography on tracking
[AD-A226682] 05 p0695 N91-13870
SCHIPER, ANDRE
Lightweight causal and atomic group multicast
[NASA-CR-187976] 10 p1575 N91-18665
SCHIPPER, HAIJO
Generating triangulations of 2-manifolds
[CS-9008] 10 p1585 N91-18736
SCHIRBER, J. E.
Thermal desorption studies of isotopically-labeled oxygen-induced superconductivity in La2CuO(4+delta)
[DE91-004898] 08 p1236 N91-16812
Superconducting superoxygenated La(2-x)Sr(x)CuO(4+delta): Search for phase separation
[DE91-015334] 21 p3594 N91-29995
Ground-state in-plane light-holes in GaAs/AlGaAs structures
[DE91-016408] 23 p3933 N91-31980
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959
SCHIRINZI, G.
A parallel distributed system for SAR image processing 07 p0992 N91-15444
SCHIRLE, PATRICK
Formal tools and simulation tools: A coherent workshop 07 p1044 N91-15728
SCHISSEL, D. P.
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
H-mode energy confinement scaling from the ASDEX, DIII-D, and jet tokamaks
[DE91-015145] 21 p3588 N91-29957
SCHISSEL, P.
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649
SCHLACHTER, A. S.
The advanced light source: A new tool for research in atomic physics
[DE91-007739] 11 p1797 N91-19861
SCHLACHTER, F.
The Advanced Light Source: A new tool for research in atomic and molecular physics
[DE91-012860] 20 p3400 N91-28844
SCHLAIKJER, CARL R.
Improvement in the capacity and safety of lithium/inorganic electrolyte sulfur dioxide rechargeable cells, phase 2
[AD-A235303] 18 p3004 N91-26589
SCHLECHT, RICHARD G.
Single crystal fibers of MgO:LiNbO3
[AD-A230277] 12 p1988 N91-20940
Very high temperature fibers of TiC and TiB2
[AD-A237423] 21 p3470 N91-29242
SCHLEGEL, R.
Postprocessing of test and computation results by the wavelet method
[AAAF-NT-89-24] 23 p3870 N91-31591
SCHLEICHER, DAVID G.
Photometric narrowband CCD imaging of comets P/Brorsen-Metcalf and Austin (1989c1)
12 p2001 N91-21014
The 15 years of comet photometry: A comparative analysis of 80 comets 17 p2896 N91-26004
SCHLEIER, HOWARD
Correlation of leak rates of various fluids with the leak rate of an inert gas in the same configuration
11 p1825 N91-20033
SCHLEIFER, LEAH
Structure and conformation of tetraazadecalins and the anomeric effect
[ITN-91-85071] 07 p1066 N91-15860
SCHLEIFER, RICARDO
Interaction between laser beam and biological tissue: A comparison between CO2, Nd:YAG and Ho:YAG lasers
[ITN-90-85022] 16 p2662 N91-24728
SCHLEINITZ, JUERGEN P.
Evaluation of transportation systems for advanced spaceflight missions
[DLR-FB-90-39] 13 p2033 N91-21181
SCHLEIP, EKKEHARD
Non-equilibrium solidification in undercooled metallic melts
[DLR-FB-90-23] 03 p0342 N91-11918
SCHLEITWEILER, PATRICK M.
PC-based digital imaging for storing microscopy images for surveillance programs
[DE90-010080] 08 p1223 N91-16738
SCHLENKER, GEORGE
Statistical decisions utilizing neural nets
[AD-A224752] 03 p0413 N91-12309
SCHLENKER, M.
Single crystals of CeMg3 (TEXUS 7) ESA
23 p3834 N91-31382
SCHLESINGER, B. M.
Ten years of solar change as monitored by SBUV and SBUV/2 03 p0448 N91-12503
A status report on the analysis of the NOAA-9 SBUV/2 sweep mode solar irradiance data
11 p1731 N91-19518
SCHLESINGER, T. E.
Improvement of bulk and epitaxial III-V semiconductors for solar cells by creation of denuded recombination zones
[DE90-000387] 10 p1540 N91-18478
SCHLESINGER, Z.
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
SCHLETT, V.
Tube erosion for 20 mm caliber at pressure up to 5000 bar: Analysis of the materials and their wear
[ISL-R-104/89] 04 p0506 N91-12807
SCHLICH, HUGO
Aluminum high strength material by mechanical alloying and reaction milling: Basics of processing and material characterization
[DLR-FB-90-29] 10 p1498 N91-18244
SCHLICHTER, DIETER
Investigations of satellite image and reference data for exploration 04 p0542 N91-13005
SCHLICHTING, J. J. F. M.
NUMVEC FORTRAN library manual. Chapter: Basic linear algebra. Routine: MATMUL. Chapter: Simultaneous linear equations. Routines: BIDIAGL and BIDIAGU
[CWI-NM-R9017] 17 p2836 N91-25676
NUMVEC FORTRAN library manual. Chapter: Partial differential equations. Routine: ICGG3D
[CWI-NM-R9018] 18 p3038 N91-26768
SCHLICKENMAIER, HERBERT
Airborne Wind Shear Detection and Warning Systems. Second Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10050-PT-1] 03 p0302 N91-11682
Airborne Wind Shear Detection and Warning Systems. Second Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10050-PT-2] 03 p0304 N91-11695
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10060-PT-2] 16 p2551 N91-24140
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10060-PT-1] 16 p2555 N91-24166
SCHLIESING, JOHN A.
Smart tunnel: Docking mechanism
[NASA-CASE-MSC-21360-1] 06 p0791 N91-14374
SCHLITT, R.
In orbit performance of the TV-SAT/TDF-1 heat pipe system
[MBB-UO-0098-90-PUB] 03 p0364 N91-12039
SCHLOBOHM, S. L.
A transformer coupled semiconductor bridge igniter for low voltage ignition from a high voltage source
[DE90-009974] 08 p1131 N91-16221
SCHLOERB, F. P.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
SCHLOERB, F. PETER
The CO-12 and CO-13 J=2-1 and J=1-0 observations of hot and cold galaxies 05 p0739 N91-14126
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020

SCHLORFF, JOHN S.
A probabilistic model for Link-11 networking operation [AD-A231801] 14 p2321 N91-22817
SCHLOSSBERGER, MATTHIAS
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans 11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
SCHLOSSER, WOLFHARD
CN jets as progenitors of CN shells in the coma of Comet P/Halley 10 p1621 N91-18941
SCHLOTTMANN, P.
Mixed valent and heavy ferimons and related systems [DE91-015454] 21 p3578 N91-29900
SCHLOTZHAUER, GERALD
Image data compression in JPEG standard [DLR-FB-90-59] 15 p2483 N91-23746
SCHLUMBERGER, J.
A qualitative view of cryogenic fluid injection into high speed flows [NASA-TM-105139] 22 p3677 N91-30473
SCHLUMBERGER, J. A.
Some preliminary results of brush seal/rotor interference effects on leakage at zero and low RPM using a tapered-plug rotor [NASA-TM-104396] 19 p3176 N91-27559
SCHLUMBERGER, JULIE A.
Eccentricity effects on leakage of a brush seal at low speeds [NASA-TM-105141] 23 p3804 N91-31220
SCHLUTER, LARRY L.
Fatigue analysis of WECS (Wind Energy Conversion System) components using a rainflow counting algorithm [DE91-000774] 04 p0544 N91-13016
SCHLUTER, MICHAEL
Renormalization from density functional theory strong coupling models for the electronic structure of La2CuO4 [DE90-015990] 01 p0129 N91-10765
SCHMALZER, PAUL A.
Geology, geohydrology, and soils of NASA, Kennedy Space Center: A review [NASA-TM-103813] 01 p0073 N91-10442
Dynamics of vegetation and soils of oak/saw palmetto scrub after fire: Observations from permanent transects [NASA-TM-103817] 13 p2113 N91-21635
SCHMATZ, M. A.
Calculation of viscous hypersonic flows using a coupled Euler/2nd order boundary layer method [MBB/FE122/S/PUB/387] 02 p0161 N91-10935
Numerical analysis of viscous hypersonic flow past a generic forebody [MBB/FE122/S/PUB/0407] 08 p1092 N91-15997
SCHMATZ, MANFRED A.
Generalized flux vectors for hypersonic shock capturing [MBB/FE122/S/PUB/397] 05 p0617 N91-13423
SCHMID-BURGK, JOHANNES
Investigation of highly excited CO transitions in OMC-1 13 p2176 N91-22013
A highly collimated bipolar outflow in the core of OMC-1: CO submillimeter emission 13 p2176 N91-22014
Airborne heterodyne receiver for the range 600 GHz to 3,000 GHz 13 p2180 N91-22047
SCHMID, HANS-JUERGEN
Investigation of actions to reduce noise emissions in ultralight aircrafts [UBA-FB-105-05-303] 04 p0579 N91-13224
SCHMIDBAUER, HANS OTTO
Calculation of minimum value domains for point positions in spatial networks out of observation preset tolerances [SER-C-355] 09 p1391 N91-17652
SCHMIDKE, WILLIAM B., JR.
Differential geometry of groups in string theory [DE91-004314] 07 p1075 N91-15916
SCHMIDT-NECHL, O.
Verification of the NSFLEX process with different test cases [MBB/FE122/S/PUB/390] 03 p0367 N91-12056
SCHMIDT, C. W.
Review of negative hydrogen ion sources [DE91-009461] 13 p2150 N91-21848
SCHMIDT, D. W.
Reflections on some problems concerning the role of superfluid turbulence in the propagation of second-sound pulses in He 2 [MPIS-8/1990] 11 p1791 N91-19827
SCHMIDT, DAVID K.
Dynamics of aerospace vehicles [NASA-CR-188015] 12 p1853 N91-20183
The integrated manual and automatic control of complex flight systems [NASA-CR-188664] 19 p3107 N91-27168
SCHMIDT, DEBORAH DIANE
Directional solidification of superalloys [NASA-CASE-MFS-28314-1] 06 p0808 N91-14462
SCHMIDT, DIANNE
Influence of a magnetic field during directional solidification of MAR-M 246 + Hf superalloy [NASA-CR-184114] 14 p2244 N91-22416
SCHMIDT, E.
Sub-visual Cirrus detection and characterization 01 p0082 N91-10486
Light weight space power reactors for nuclear electric propulsion [DE91-014803] 21 p3468 N91-29232
A nuclear thermal rocket engine design based on the particle bed reactor suitable for a Mars mission [DE91-016898] 24 p3967 N91-32160
SCHMIDT, EBERHARD
Design of the derivative balance for the transonic wind tunnel 02 p0160 N91-10925
SCHMIDT, ECKART W.
Hydroxylammonium nitrate compatibility tests with various materials: A liquid propellant study [AD-A224594] 03 p0346 N91-11937
SCHMIDT, FRED
Characteristics of a future aeronautical satellite communications system [NASA-TM-104389] 15 p2368 N91-23102
SCHMIDT, GEORGE T.
Computer Aided System Design and Simulation [AGARD-AR-283] 11 p1775 N91-19731
SCHMIDT, GLENN F.
Characterization of slow and fast phase nystagmus [NASA-CR-188452] 17 p2821 N91-25589
SCHMIDT, H. J.
An innovative demonstration of high power density in a compact MDH (magnetohydrodynamic) generator [DE91-005526] 10 p1601 N91-18830
SCHMIDT, H. P.
Thermal analyses for experiment preparation with the example of a mirror furnace 14 p2333 N91-22894
SCHMIDT, H.-J.
Full scale fatigue and damage tolerance testing of modern transport aircraft 03 p0309 N91-11728
SCHMIDT, H.-W.
Tractable high performance polymers [AD-A231072] 13 p2057 N91-21320
SCHMIDT, HANNS-LUDWIG
Electron transfer between glucose oxidase and electrodes via redox mediators bound with flexible chains to the enzyme surface [AD-A231115] 13 p2151 N91-21856
SCHMIDT, HELMUT
Large eddy-simulation of convective boundary layers [ESA-TT-1138] 02 p0214 N91-11198
SCHMIDT, J.
The CIT physics program [DE90-012134] 08 p1229 N91-16774
SCHMIDT, K.
Formation of CoSi2 in SIMOX wafers by high dose Co implantation [DE91-015639] 21 p3601 N91-30036
SCHMIDT, LORENZ-PETER
Millimeter-wave monolithic integrated receiver circuits 07 p0942 N91-15162
SCHMIDT, P. W.
New palaeomagnetic results from the Amadeus Basin and their implications for stratigraphy and tectonics 19 p3196 N91-27670
SCHMIDT, PHILLIP
A method for partitioning centralized controllers [NASA-TM-4276] 12 p1843 N91-20133
SCHMIDT, S. C.
Coherent Raman scattering in high-pressure/high-temperature fluids: An overview [DE91-000438] 07 p1002 N91-15500
Vibrational spectroscopy of shock-compressed liquid CO [DE91-013204] 20 p3310 N91-28325
SCHMIDT, STEPHEN C.
Time-resolved Coherent Anti-Stokes Raman Spectroscopy (CARS) and the measurement of vibrational spectra in shock-compressed molecular materials [DE90-012053] 08 p1109 N91-16091
SCHMIDT, THOMAS G.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32 09 p1288 N91-17081
SCHMIDT, W.
Methods to preserve the integrity of a combat aircraft flight control system through major upgrade programmes 04 p0484 N91-12692
Application of mesh generation to complex 3-D configurations [AGARD-AR-268] 13 p2081 N91-21464
SCHMIDT, W. M.
Analysis of expendable solar electric orbit transfer vehicles 16 p2575 N91-24272
SCHMIDT, WALTER
Development and test of power amplifiers for driving low-voltage piezo-actuators in multistable interferometers [ESA-TT-1196] 03 p0360 N91-12015
SCHMIDT, WAYNE J.
The PC Dugout micro-mainframe integration system: PAX implementation [AD-A237480] 21 p3556 N91-29758
SCHMIDTKE, K.
Thermal analysis for the examination and determination of processing conditions for structural fiber composite materials and bonding agents in air and space navigation [MBB-Z-0344-90-PUB] 22 p3645 N91-30288
SCHMIED, J.
A new principle for dynamic fluid shift investigations in astronauts 11 p1746 N91-19600
SCHMIT, L. A.
Conservative buffering of approximate nonlinear constraints 01 p0052 N91-10312
SCHMITENDORF, W. E.
Use of a genetic algorithm to analyze robust stability problems [DE91-005895] 15 p2483 N91-23742
SCHMITT
Aircrafts, requirements for ground installations from the aircraft point of view 11 p1653 N91-19108
SCHMITT, BERNARD
New insights in the photochemistry of grain mantles: The identification of the 4.62 and 6.87 micron bands 06 p0897 N91-14957
Diffusion and infrared properties of molecules in ice mantles 06 p0898 N91-14963
SCHMITT, D.
Environmental test tailoring 07 p0950 N91-15219
SCHMITT, DIRK-ROGER
Manufacture and measurement of low loss and low scatter mirrors [DLR-FB-90-19] 03 p0349 N91-11951
SCHMITT, M. J.
Integrated Numerical Experiments (INEX) and the Free-Electron Laser Physical Process Code (FELPPC) [DE90-011957] 08 p1152 N91-16348
Comparison of integrated numerical experiments with accelerator and FEL experiments [DE91-016071] 23 p3878 N91-31639
Spontaneous emission from free electron lasers [DE91-017820] 24 p4024 N91-32491
SCHMITT, MARK
Small signal gain based on analytic models of thin intense electron beams [DE91-001874] 05 p0654 N91-13631
SCHMITT, MARK J.
Three-dimensional simulations of harmonic radiation and harmonic lasing [DE91-000235] 03 p0370 N91-12074
SCHMITT, MARK W.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32 09 p1288 N91-17081
SCHMITT, NIKOLAUS-P.
The microcrystal laser: A first step on the way to a laser microsystem [MBB-Z-0336-90-PUB] 23 p3878 N91-31635
SCHMITZ, CRAIG P.
Boundary layer simulator improvement [NASA-CR-183660] 16 p2563 N91-24212
SCHMITZ, D.
Submicron gate InP power MISFET's with improved output power density at 18 and 20 GHz 18 p2977 N91-26436
SCHMITZ, ERIC
Large space manipulators study [AD-A227276] 08 p1158 N91-16381
SCHMITZ, G.
Spinoidal decomposition (TEXUS 17) 23 p3833 N91-31379
SCHMITZ, H. D.
Design, development, and verification of the EURECA A Orbit Transfer Assembly (OTA) [MBB-UO-0102-90-PUB] 04 p0493 N91-12743
SCHMITZ, J.
Operation of the microstrip gas detector [NIKHEF-H/90-13] 14 p2268 N91-22548
SCHMITZ, L.
New method for edge plasma control by RF ponderomotive force [DE91-744823] 11 p1805 N91-19911
SCHMITZ, P.
Electrofusion and regeneration of protoplasts from sunflower (Helianthus annuus L.) 11 p1759 N91-19675

SCHMITZ, P. C.
Design of multihundredwatt DIPS for robotic space missions
[NASA-TM-104401] 16 p2568 N91-24232
SCHMITZ, PAUL C.
Space reactor/Stirling cycle systems for high power lunar application
[NASA-TM-103698] 11 p1653 N91-19112
Preliminary design of a mobile lunar power supply
[NASA-TM-104471] 19 p3185 N91-27611
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
Comparison of dynamic isotope power systems for distributed planet surface applications
[NASA-TM-4303] 20 p3303 N91-28278
SCHMITZ, PETER
The growth, structure, and thermal stability of vapor deposited ultra-thin metal films: Rh on Ag(100), Au on Pd(110), and Pt on Pd(110)
[DE91-000608] 07 p0980 N91-15377
SCHMITZER, CHRISTIAN
Examination of debris from satellites with nuclear reactors: A comparison of different methods
[OEFZS-4541] 09 p1297 N91-17122
SCHMOCKER, GARY K.
Three initial climatological studies for Melbourne, Florida: A first step in the preparation for future operations
[PB91-100222] 09 p1358 N91-17463
SCHMOR, P. W.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
SCHMUCK, P.
AFDM: An Advanced Fluid-Dynamics Model. Volume 4: The AFDM heat- and mass-transfer solution algorithm
[DE90-017535] 01 p0041 N91-10240
SCHMULTZTOKOS, JOSEPH JOHN
Formic and acetic acids in the boundary layer over the North Atlantic ocean 08 p1188 N91-16530
SCHNABEL, ROBERT B.
Centralized and distributed dynamic scheduling for adaptive, parallel algorithms
[AD-A233557] 16 p2671 N91-24781
A theoretical and experimental study of the symmetric rank one update
[AD-A233965] 18 p3039 N91-26777
A software package for unconstrained optimization using tensor methods
[AD-A233989] 18 p3040 N91-26778
SCHNABL, HEIDE
Electrofusion and regeneration of protoplasts from sunflower (Helianthus annuus L.)
11 p1759 N91-19675
SCHNACK, D. D.
Reversed-Field Pinch dynamics and transport studies
[DE91-014317] 20 p3421 N91-28970
SCHNEBERK, D. J.
Computed tomography software and standards
[DE91-002573] 05 p0702 N91-13914
Nuclear-spectroscopy computerized tomography scanners
[DE91-008447] 11 p1719 N91-19466
SCHNEBERK, DAN
Multiple-energy techniques in industrial computerized tomography
[DE90-017518] 02 p0193 N91-11081
SCHNEEWEISS, MARTIN
Causal vector spaces: A generalization of the Minkowski models for the special theory of relativity
[ETN-91-98784] 10 p1612 N91-18892
SCHNEIBEL, J. H.
The effect of scandium on the phase stability of Al3Nb and Al3Zr
[DE91-002657] 06 p0808 N91-14459
The crystallography of cleavage fracture in Al3Sc
[DE91-004380] 07 p0979 N91-15373
SCHNEIDER, A.
UHF radiowave propagation through forests
[AD-A225972] 04 p0515 N91-12861
SCHNEIDER, D. A.
Phenomena affecting morphology of microporous poly(acrylonitrile) prepared via phase separation from solution
[DE91-004501] 11 p1687 N91-19297
SCHNEIDER, DONALD A.
Physiological and perceptual responses to load carrying in female subjects using internal and external frame backpacks
[AD-A234941] 18 p3029 N91-26722
SCHNEIDER, E.
Determination of stresses in ceramics using ultrasonic methods: Possibilities and limitations
05 p0639 N91-13546
Acceleration of particles in light gas guns for micrometeroid/space debris simulation
07 p0957 N91-15266
SCHNEIDER, EBERHARD
Preliminary investigations into UHCRE thermal control materials 16 p2716 N91-25033
SCHNEIDER, FRED B.
Derivation of sequential, real-time, process-control programs
[NASA-CR-185433] 19 p3218 N91-27785
SCHNEIDER, G.
Integrated design analysis and optimization
[MBB/FE2/S/PUB/0398] 07 p0939 N91-15145
SCHNEIDER, HANS
Principal components of minus M-matrices
[AD-A232354] 15 p2495 N91-23818
SCHNEIDER, HORST
Aerothermodynamical project of hypersonic projectiles
[MBB-UA-1193-90-PUB] 23 p3782 N91-31086
SCHNEIDER, J.
New efforts in the search for extrasolar planets
10 p1620 N91-18932
SCHNEIDER, J. D.
Beam structure and transverse emittance studies of high-energy ion beams
[DE91-013499] 20 p3404 N91-28871
SCHNEIDER, J. DAVID
Spatial distributions of the emitting species in a penning surface-plasma source
[DE90-011996] 08 p1228 N91-16772
SCHNEIDER, J. J.
Technology needs for high-speed rotorcraft, volume 1
[NASA-CR-177585] 18 p2925 N91-26139
SCHNEIDER, M.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903
SCHNEIDER, NATHANIEL S.
Transient crystallization of an aromatic polyetherimide: Effect of annealing
[AD-A231988] 14 p2249 N91-22446
SCHNEIDER, R. F.
Pulse shaping a high-current relativistic electron beam in vacuum
[AD-A230674] 12 p1977 N91-20876
SCHNEIDER, R. P., JR.
Low pressure MOCVD growth of InSb
[DE91-005839] 09 p1414 N91-17781
SCHNEIDER, REINHOLD
Contributions to the theory of elliptic pseudodifferential operators on manifolds with nonsmooth boundaries
[ETN-90-98165] 04 p0578 N91-13217
SCHNEIDER, S. W.
The reflection and transmission properties of a triple band dichroic surface
[NASA-CR-187776] 08 p1126 N91-16191
SCHNEIDER, STEPHEN E.
Selection effects and binary galaxy velocity differences 08 p1258 N91-16927
SCHNEIDER, STEVEN J.
Method of injecting fluid propellants into a rocket combustion chamber
[NASA-CASE-LEW-14846-2] 18 p2937 N91-26200
Experimental and analytical comparison of flowfields in a 110 N (25 lbf) H2/O2 rocket
[NASA-TM-105175] 21 p3468 N91-29230
SCHNEIDER, STEVEN P.
A quiet flow Ludwieg tube for study of transition in compressible boundary layers: Design and feasibility
[NASA-CR-187374] 05 p0661 N91-13676
A quiet flow Ludwieg tube for study of transition in compressible boundary layers: Design and feasibility
[NASA-CR-188499] 17 p2728 N91-25107
SCHNEIDER, THOMAS
End users' needs 04 p0603 N91-13357
State of the art in West Germany
04 p0604 N91-13359
SCHNEIDER, VICTOR B.
Space medicine considerations: Skeletal and calcium homeostasis 01 p0099 N91-10580
SCHNEIDER, W.
Small Engine Component Technology (SECT) study. Program report
[NASA-CR-175077] 16 p2561 N91-24204
SCHNEIDER, WALTER
A connectionist model of attentional enhancement and signal buffering
[AD-A225799] 04 p0570 N91-13165
Quick development microcomputer system: Training automatic components for electronic troubleshooting
[AD-A239573] 23 p3863 N91-31542
SCHNEIDER, WILLIAM C.
Load limiting, energy absorbing, lightweight debris catcher
[NASA-CASE-MSC-21562-1] 16 p2564 N91-24216
SCHNEIDER, WOLFGANG
Retrieval and molecule sensitivity studies for the global ozone monitoring experiment and the scanning imaging absorption spectrometer for atmospheric chartography
23 p3893 N91-31724
SCHNEIDEWIND, NORMAN F.
Validating software metrics
[AD-A230309] 12 p1956 N91-20760
SCHNEPF, CRAIG W.
SQL/NF translator for the Triton nested relational database system
[AD-A230602] 12 p1998 N91-21000
SCHNEPS, J.
High energy physics at Tufts University
[DE91-015055] 21 p3579 N91-29908
SCHNETZER, G. H.
The Sandia Transportable Triggered Lightning Instrumentation Facility
[DE91-006776] 10 p1557 N91-18564
Damage to metallic samples produced by measured lightning currents
[DE91-006777] 10 p1558 N91-18565
The 1990 Sandia rocket-triggered lightning field tests at Kennedy Space Center, Florida
[DE91-011263] 18 p3016 N91-26653
SCHNETZER, GEORGE H.
The Sandia transportable triggered lightning instrumentation facility 24 p4052 N91-32636
Damage to metallic samples produced by measured lightning currents 24 p4053 N91-32640
SCHNITGER, GEORG
A complexity theory of neural networks
[AD-A229432] 22 p3740 N91-30835
SCHNITTGRUND, G. D.
The influence of advanced processing on PWA 1480
16 p2583 N91-24317
SCHNITTGRUND, GARY D.
Fiber-reinforced ceramic composites for Earth-to-orbit rocket engine turbines
[NASA-CR-185264] 08 p1119 N91-16150
SCHNITZER, H. J.
Research in elementary particle physics
[DE91-015359] 21 p3577 N91-29892
SCHNITZLER, B. G.
A preliminary stage configuration for a Low Pressure Nuclear Thermal Rocket (LPNTR)
[DE91-006110] 10 p1491 N91-18210
Gas core reactors for direct nuclear propulsion
[DE91-010050] 15 p2506 N91-23884
Fission fragment rocket scientific feasibility assessment
[DE91-010076] 17 p2741 N91-25170
SCHNITZLER, BRUCE G.
Pressure fed nuclear thermal rockets for space missions
[DE91-001847] 07 p0965 N91-15302
SCHNOEBELEN, P.
Generalization of the FP2 parallel language by means of net theory
[RR-832-I-IMAG-99-LIFIA] 15 p2489 N91-23780
Congruence properties of the process equivalence induced by temporal logic
[RR-831-I-IMAG-118-LIFIA] 15 p2494 N91-23810
SCHNOEBELEN, PHILIPPE
Semantics of parallelism and temporal logic. Application to FP2 language
[ETN-91-99484] 22 p3738 N91-30819
SCHNUR, G. F. O.
The spectral energy distribution of the scattered light from dark clouds 06 p0889 N91-14911
SCHOBEIRI, TAHER
Aerodynamics and heat transfer investigations on a high Reynolds number turbine cascade
[NASA-TM-103260] 07 p0937 N91-15134
SCHOBERT, H. H.
Catalyst dispersion and activity under conditions of temperature-staged liquefaction
[DE91-016602] 23 p3811 N91-31261
SCHOBERT, HAROLD
Advanced thermally stable jet fuels development program annual report. Volume 2: Compositional factors affecting thermal degradation of jet fuels
[AD-A229693] 12 p1878 N91-20323
SCHOBERT, HAROLD H.
Thermal stability of jet fuel
[DE90-016801] 01 p0032 N91-10188
SCHOCH, P. M.
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
Dispersion relations of density fluctuations observed by heavy ion beam probe in the TEXT tokamak
[DE91-010422] 14 p2328 N91-22866
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918

Measurements cf plasma space potential and radial electric field in TEXT with a heavy ion beam probe
[PB91-151290] 17 p2870 N91-25876

SCHOCHET, STEVEN
Regularized Chapman-Enskog expansion for scalar conservation laws
[NASA-CR-187441] 05 p0711 N91-13966

SCHODL, RICHARD
Laser transit velocimetry 23 p3876 N91-31623
Laser transit velocimetry: Recent publications 23 p3876 N91-31624

SCHOELER, HENNING
Thermal imaging on missiles in hypersonic flow 06 p0776 N91-14303

SCHOENBERG, K. F.
Kinetic and electromagnetic transport processes in toroidal devices
[DE91-001901] 05 p0719 N91-14011
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
Fast electron studies in the ZT-40M edge plasma
[DE91-002323] 06 p0875 N91-14838

SCHOENBERG, KURT F.
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739
Magnetic turbulent electron transport in a reversed field pinch
[DE91-001898] 05 p0718 N91-14009

SCHOENFELD, THILO
Methods to enhance the accuracy of finite volume schemes 2
[FFA-147] 18 p2982 N91-26466

SCHOENMACKERS, RUDI
Southern New Mexico low temperature geothermal resource economic analysis
[PB91-105353] 09 p1355 N91-17443

SCHOENUNG, S. M.
Design and fabrication issues for small-scale SMES
[DE91-014008] 22 p3656 N91-30353

SCHOENWALD, BERND
The role of Krupp Forschungsinstitut in international R and D cooperation 24 p4114 N91-32996

SCHOENWALD, D. A.
Techniques for controlling a two-link flexible arm
[DE91-004818] 07 p1012 N91-15555
Minimum-time trajectory control of a two-link flexible robotic manipulator
[DE91-001261] 11 p1716 N91-19448

SCHOESSOW, PAUL
Wakefield calculations on parallel computers
[DE90-009712] 08 p1206 N91-16632

SCHOETERS, GREET E. R.
An assay for bone cell differentiation in vitro as a tool for microgravity studies in space 11 p1752 N91-19637

SCHOFIELD, K.
The chemistry of sodium with sulfur in flames
[DE91-002060] 18 p2952 N91-26288

SCHOFIELD, T. C.
Texture characterization of high Tc thick films
[DE91-006652] 10 p1607 N91-18870

SCHOFIELD, T. G.
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907

SCHOLES, R.
Civil tiltrotor missions and applications. Phase 2: The commercial passenger market
[NASA-CR-177576] 18 p2923 N91-26126

SCHOLL, MARIJA S.
Intelligent vision system for autonomous vehicle operations 15 p2536 N91-24046

SCHOLTES, B.
Residual stresses analyses in ceramics and metal ceramic composites using x ray methods 05 p0638 N91-13539

SCHOLZ, M. L.
A procedure for generating run-synchronised disjoint streams of pseudo-random numbers for use in simulation
[AD-A236027] 19 p3237 N91-27902

SCHOMBERT, JAMES M.
Multi-waveband observations of colliding galaxies 08 p1247 N91-16868
Observations and models of star formation in the tidal features of interacting galaxies 08 p1264 N91-16957

SCHONBERG, WILLIAM P.
Hypervelocity impact physics
[NASA-CR-4343] 11 p1663 N91-19164

SCHONE, H. E.
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092

SCHOOLEY, L.
Modeling, simulation, and control of an extraterrestrial oxygen production plant 16 p2597 N91-24389

SCHOONDERWOERD, K.
Experiments on ultrasonic thermometry for wet-ash coal gasification 23 p3941 N91-32024

SCHOONE, ANNEKE A.
Minimum hop route maintenance in static and dynamic networks
[RUU-CS-90-18] 04 p0566 N91-13142
Synchronous link-level protocols
[RUU-CS-91-02] 23 p3911 N91-31837

SCHORR, HERBERT
A research program in computer technology
[AD-A231025] 13 p2130 N91-21727

SCHORSCH, THOMAS M.
Increasing the readability and comprehensibility of programs
[AD-A231805] 14 p2306 N91-22741

SCHORY, MICHAEL
Channel routing for VLSI layout
[ITN-90-65024] 07 p0997 N91-15471

SCHOT, JEROEN
The internal organization of the network layer
[MEMO-INF-90-84] 22 p3737 N91-30813

SCHOTLAND, R. M.
Beta measurements 24 p4060 N91-32681

SCHOTT, J. U.
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF 16 p2725 N91-25096

SCHOTZ, STEVEN S.
GEMPAK5 user's guide, version 5.0
[NASA-TM-4260] 13 p2119 N91-21661
GEMPAK5. Part 1: GEMPAK5 programmer's guide, version 5.0
[NASA-TM-4261-PT-1] 13 p2119 N91-21662
GEMPAK5. Part 2: GEMPLT programmer's guide, version 5.0
[NASA-TM-4261-PT-2] 13 p2119 N91-21663

SCHOUTEN, G.
Elementary considerations on the gas dynamic design parameters of a MHD Faraday generator in relation to a gas turbine cycle
[LR-564] 11 p1717 N91-19456
Elementary pulse diffraction problems and the generation of sound by a dipole moving across the edge of a half-plane
[LR-565] 11 p1792 N91-19831

SCHOWALTER, L. J.
Epitaxial growth of silicon on CoSi2(001)/Si(001)
[DE91-013387] 20 p3428 N91-29015
Growth condition dependence of RHEED pattern from GaAs(111)B surface
[DE91-014770] 21 p3593 N91-29986

SCHRA, L.
Mechanical properties and fracture toughness of 8090-T651 plate and 2091 and 8090 sheet
[NRL-MP-88049-4] 01 p0025 N91-10151
Short and long fatigue crack growth in 2024-T3 under Fokker 100 spectrum loading 02 p0223 N91-11248
Corrosion fatigue crack arrest in aluminium alloys
[NLR-MP-88050-U] 23 p3815 N91-31282

SCHRAAGEN, J. M. C.
An experimental comparison between different types of in-car navigation information
[IZF-1991-B-1] 22 p3721 N91-30709

SCHRADE, H. O.
High power arcjet
[NASA-CR-187986] 11 p1665 N91-19173

SCHRADER, J. H.
Description, characteristics and testing of the NASA airborne radar 16 p2554 N91-24156

SCHRAEDER, WILLIAM
Northeast Parallel Architectures Center (NPAC) at Syracuse University
[AD-A230635] 12 p1964 N91-20805

SCHRAG, BOB
KBSA framework
[AD-A230621] 12 p1958 N91-20769

SCHRAGGER, PAUL A.
Highball: A high speed, reserved-access, wide area network
[NASA-CR-188070] 12 p1964 N91-20804

SCHRAMA, E.
Gravity field error analysis: Applications of GPS receivers and gradiometers on low orbiting platforms
[NASA-TM-100769] 07 p1022 N91-15610

SCHRAMA, RUUD J. P.
State space realizations representing vector second order dynamics
[MEMT-3] 07 p1058 N91-15816

SCHRAML, STEPHEN J.
Small scale shock tube experiments using a computer controlled active rarefaction wave eliminator
[AD-A227507] 08 p1098 N91-16029

SCHRAMM, D. N.
Experimentally testing the standard cosmological model
[NASA-CR-187970] 09 p1428 N91-17860

SCHRAMM, DAVID N.
Late-time cosmological phase transitions
[NASA-CR-188001] 10 p1617 N91-18918
Neutrino degeneracy and cosmological nucleosynthesis, revisited
[NASA-CR-188703] 20 p3444 N91-29110
Testing the Big Bang: Light elements, neutrinos, dark matter and large-scale structure
[NASA-CR-188701] 20 p3444 N91-29111
Solar neutrinos and the MSW effect for three-neutrino mixing
[NASA-CR-188706] 22 p3776 N91-31060
Theory and laboratory astrophysics 24 p4120 N91-33025
Testing the big bang: Light elements, neutrinos, dark matter, and large-scale structure
[DE91-017379] 24 p4122 N91-33040

SCHRAMM, HARRY F.
An evaluation of the total quality management implementation strategy for the advanced solid rocket motor project at NASA's Marshall Space Flight Center
[NASA-TM-103533] 16 p2638 N91-24599

SCHRANK, M.
Numerical simulation of a laser welding process
[DE91-016454] 24 p4026 N91-32500

SCHRANNER, R.
Requirements of an HMS/D for a night-flying helicopter
[MBB-UD-0570-90-PUB] 02 p0249 N91-11383

SCHRANNER, RUDOLF
System design for the Tiger helicopter
[MBB-UD-0581-90-PUB] 11 p1649 N91-19090
Avionics systems for future helicopters
[MBB-UD-0591-90-PUB] 22 p3620 N91-30139

SCHRANTZ, P. R.
An evaluation of low-frequency shock spectrum testing for INTELSAT 5/Ariane compatibility 07 p0956 N91-15260

SCHRECK, SCOTT JEFFREY
Experimental investigation of the mechanisms underlying vortex kinematics in unsteady separated flows 02 p0156 N91-10907

SCHRECKENGHOST, DEBRA L.
Making intelligent systems team players: Case studies and design issues. Volume 1: Human-computer interaction design
[NASA-TM-104738-VOL-1] 22 p3722 N91-30713

SCHREIBER, J. G.
Design of multihundredwatt DIPS for robotic space missions
[NASA-TM-104401] 16 p2568 N91-24232

SCHREIBER, JEFFREY G.
Status of the advanced Stirling conversion system project for 25 kW dish Stirling applications
[NASA-TM-104528] 22 p3770 N91-31023

SCHREIBER, OLIVIER
Aerodynamic interactions between bodies in relative motion 16 p2545 N91-24103

SCHREIBER, R.
Optimal expression evaluation for data parallel architectures
[NASA-CR-186681] 19 p3231 N91-27863

SCHREIBER, ROBERT
An assessment of the connection machine
[NASA-CR-188876] 24 p4082 N91-32801
Automatic blocking of nested loops
[NASA-CR-188874] 24 p4089 N91-32844
Highly parallel sparse Cholesky factorization
[NASA-CR-188875] 24 p4089 N91-32847
Mapping unstructured grid problems to the connection machine
[NASA-CR-187719] 24 p4092 N91-32864

SCHREIER, GUNTER
Goecoded products of future radar sensors 04 p0541 N91-12997

SCHREINER, ROLAND
Hypersonic aerodynamics: An approximation method for the calculation of real gas effects and wall temperatures
[MBB/FE127/S/PUB/0403] 06 p0777 N91-14306

SCHREINER, W.
Codeless GPS Applications to Multi-Path: CGAMP 03 p0352 N91-11967

SCHREINER, WILLIAM S.
A covariance study for orbit accuracy improvement of the GPS satellites using fiber optics tracking
[AD-A237858] 22 p3626 N91-30179

SCHREYER, H. L.
A structural constitutive algorithm based on continuum damage mechanics for softening with snapback
[DE90-015841] 05 p0679 N91-13773

SCHREYER, TIMOTHY
Reusability Library Framework (RLF)
[AD-A229308] 22 p3724 N91-30725
SCHRIJVER, A.
On the uniqueness of kernels
[CWI-BS-R8924] 02 p0259 N91-11443
Cones of matrices and setfunctions, and 0-1 optimization
[CWI-BS-R8925] 02 p0259 N91-11444
Disjoint paths in a planar graph: A general theorem
[CWI-BS-R9012] 10 p1583 N91-18718
Disjoint cycles in directed graphs on the torus and the Klein bottle
[CWI-BS-R9013] 10 p1583 N91-18719
Edge-disjoint circuits in graphs on the torus
[CWI-BS-R9014] 10 p1583 N91-18720
SCHRITZ, BRYAN
Parched elastohydrodynamic lubrication: Instrumentation and procedure
[NASA-TM-104426] 22 p3676 N91-30469
SCHROCK, R. R.
The synthesis of star block copolymers by controlled ring-opening metathesis polymerization
[AD-A225987] 05 p0640 N91-13551
Polymerization of functionalized norbornenes employing Mo(CH-t-Bu)(NAr)(O-t-Bu)2 as the initiator
[AD-A230034] 12 p1872 N91-20289
SCHROCK, RICHARD R.
Potential dependence of the conductivity of polyacetylene: Finite potential window of high conductivity
[AD-A233263] 16 p2606 N91-24442
Living ring-opening metathesis polymerization of 7-oxa-2,3-difunctionalized norbornenes and norbornadienes by Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (O-t-Bu)2 and Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (OCMe2CF3)2
[AD-A235235] 18 p2965 N91-26365
SCHRODER, KENNETH J.
Architectures for a high performance distributed operating system
[AD-A235333] 18 p2976 N91-26429
SCHRODER, MICHAEL A.
Condensed-phase processes during solid propellant combustion. 1: Preliminary chemical and microscopic examination of extinguished propellant samples
[AD-A225581] 03 p0347 N91-11943
SCHROEDER, DANIEL V.
Beamstrahlung and QED backgrounds at future linear colliders
[DE91-006804] 10 p1595 N91-18800
SCHROEDER, DAVID J.
Correlates of two experimental tests with performance in the FAA academy air traffic control nonradar screen program
[AD-A226419] 04 p0476 N91-12658
SCHROEDER, EDGAR C.
On-Orbit Compressor Technology Program
[NASA-CR-185645] 16 p2636 N91-24594
SCHROEDER, HARTMUT
Near ground sound propagation in wind
[CSTB-2-89-003-4] 24 p4094 N91-32871
SCHROEDER, J. A.
Calibration of ground-based microwave radiometers for atmospheric remote sensing
[PB91-183111] 19 p3170 N91-27525
SCHROEDER, J. O.
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785
SCHROEDER, K.-P.
Supergiant chromospheres and cool coronae at the transition from cool to hot circumstellar matter
09 p1437 N91-17921
SCHROEDER, MATTHEW
Removal of NO and NO2 from contaminated atmospheres
[AD-A227260] 08 p1194 N91-16565
SCHROEDER, MICHAEL A.
Borohydride catalysis of nitramine thermal decomposition and combustion. 3: Literature review and wrap-up discussion of possible chemical mechanisms
[AD-A224918] 03 p0347 N91-11941
SCHROEDER, MICHAEL CHRISTOPHER
A combined N-body and hydrodynamic code for modeling disk galaxies 05 p0763 N91-14241
SCHROEDER, S. C.
Flexible body dynamic stability for high performance aircraft 14 p2227 N91-22318
SCHROEDER, THOMAS A.
Tropical cyclone motion in the northwest Pacific Ocean, phase 1
[AD-A237455] 21 p3543 N91-29683
SCHROT, JOHN
Development of an animal model of human non-freezing cold injury: Changes in thermal sensitivity following cold exposure
[AD-A227174] 06 p0852 N91-14705
Development and evaluation of a human performance assessment battery
[AD-A237391] 21 p3550 N91-29724
SCHROTH, ARNO
Utilization of higher frequencies for satellite communications: Determination of atmospheric influences by experiments and models
[ESA-TT-1211] 22 p3664 N91-30396
SCHRYER, DAVID R.
Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB] 13 p2048 N91-21270
SCHRYVER, J. C.
Models of human operators: Their need and usefulness for improvement of advanced control systems and control rooms
[DE91-017245] 24 p4077 N91-32774
SCHRYVERS, D.
High-resolution electron microscopy observations of athermal omega phase in Ti-Mo alloys
[DE90-017526] 02 p0196 N91-11098
SCHUBBE, JOEL J.
Investigation of damage mechanisms in a cross-ply metal matrix composite under thermo-mechanical loading
[AD-A230544] 12 p1863 N91-20236
SCHUBELE, BUDDY
A generic multi-flex-body dynamics, controls simulation tool for space station 14 p2228 N91-22321
SCHUBER, MARIANNE
Tools for the preparation, performance and evaluation of life sciences experiments 11 p1747 N91-19609
SCHUBERT, B.
Investigation of the Si(111)-(/3x/3)R30 C-boron surface reconstruction by simulated annealing
[AD-A235671] 19 p3241 N91-27926
SCHUBERT, DAVID MICHAEL, JR.
Shipboard and satellite observations of upper ocean velocity and transport variability in the Gulf Stream
[AD-A226974] 06 p0850 N91-14694
SCHUBERT, FRANZ H.
Static feed water electrolysis subsystem development
[NASA-CASE-MSC-21577-1-SB] 15 p2397 N91-23271
Space water electrolysis: Space Station through advance missions 24 p4036 N91-32553
SCHUBERT, GERALD
Origin and thermal evolution of Mars
[NASA-CR-188095] 14 p2353 N91-23011
Triton's global heat budget
[NASA-CR-188178] 14 p2354 N91-23018
SCHUBERT, H.
Residual stresses in Al2O3: Comparison between electromechanical measurements and finite element method calculations 05 p0639 N91-13545
Environmental test tailoring 07 p0950 N91-15219
SCHUBERT, T.
Optical shared memory system demonstration model
[AD-A226431] 05 p0651 N91-13612
SCHUBERT, WAYNE H.
Analysis of tethered balloon, ceilometer and class sounding data taken on San Nicolas Island during the FIRE project 01 p0083 N91-10492
Cloud and boundary layer structure over San Nicolas Island during FIRE 01 p0087 N91-10515
Analysis of tethered balloon data from San Nicolas Island on 8 July 1987 01 p0088 N91-10517
SCHUCANY, WILLIAM R.
Adaptive bandwidth choice for kernel regression
[AD-A228437] 08 p1210 N91-16661
SCHUCH, LUIZ ALEXANDRE
Nuclear radiation detectors
[INPE-5090-MD/44] 13 p2150 N91-21847
Introduction to the study of cosmic rays and their interaction with the terrestrial atmosphere
[INPE-5243-RPQ/649] 22 p3778 N91-31073
SCHUCHMAN, J. C.
Review of vacuum systems for x ray lithography light sources
[DE91-017008] 23 p3933 N91-31982
SCHUELER, BETH ANN
Stratospheric and laboratory studies of ozone isotope fractionation 14 p2285 N91-22633
SCHUELLER, P. G.
Study on ECW transmission lines for NET/ITER
[EUR-FU/80/90-99] 08 p1230 N91-16781
SCHUELLER, REINER
Natural waves of microstrip transmission lines in wave guides
[BER-68] 08 p1136 N91-16251
SCHUERGER, ANDREW C.
Survival of epiphytic bacteria from seed stored on the Long Duration Exposure Facility (LDEF)
16 p2726 N91-25098
SCHUERMAN, THOMAS M.
SATURN: The next generation radio for NATO
16 p2615 N91-24475
SCHUESSLER, H.
Concept for a multipolarization X-band SAR on EOS
07 p0993 N91-15450
SCHUETTLER, H. B.
Dynamics of strong-coupling models for cuprate superconductors: Exact results on finite lattices
[DE90-011155] 08 p1233 N91-16796
Cu-O charge fluctuations and electron-phonon coupling in the effective single-band Hubbard theory for cuprate superconductors
[DE91-016526] 23 p3932 N91-31976
SCHUETZER, ELIZABETH
Identification of information needs in a research institute
[INPE-5154-TDL/425] 13 p2168 N91-21967
SCHUHL, A.
High temperature superconducting thin films for microelectronics: Preparation and properties
05 p0722 N91-14033
SCHUHMANN, WOLFGANG
Electron transfer between glucose oxidase and electrodes via redox mediators bound with flexible chains to the enzyme surface
[AD-A231115] 13 p2151 N91-21856
SCHUIJLENBURG, H.
Operation of the microstrip gas detector
[NIKHEF-H/90-13] 14 p2268 N91-22548
SCHULER, A. L.
Hybrid propulsion technology program: Phase 1, volume 1
[NASA-CR-183972] 01 p0019 N91-10111
Hybrid propulsion technology program: Phase 1, volume 2
[NASA-CR-183973] 01 p0019 N91-10112
Hybrid propulsion technology program: Phase 1. Volume 3: Thiokol Corporation Space Operations
[NASA-CR-183974] 01 p0019 N91-10113
Hybrid propulsion boosters for space launch vehicles
16 p2571 N91-24249
SCHULER, ALBERT P.
M-dimensional computer memory with M-1 dimensional hyperplane access
[AD-D014615] 05 p0698 N91-13886
SCHULER, JAMES W.
X-ray inspection system
[PATENT-1-258-924] 23 p3882 N91-31660
SCHULKES, R. M. S. M.
Some numerical methods for the computation of capillary free boundaries governed by the Navier-Stokes equations
[REPT-90-11] 07 p1003 N91-15507
Interactions of an elastic solid with a viscous fluid: Eigenmode analysis
[REPT-90-46] 07 p1003 N91-15508
SCHULKES, RUBEN MANUEL SYLVESTER MARIA
Frequency analysis of fluids and fluid-structure systems
[ETN-91-99428] 17 p2777 N91-25368
SCHULLER, IVAN K.
Metallic superlattices: Structural and elastic properties
[DE91-006037] 09 p1316 N91-17223
SCHULLER, S.
Digital time interpolator
[DIGEL-1990-4] 08 p1136 N91-16249
SCHULMAN, JOEL N.
MBE HgCdTe heterostructure detectors
06 p0797 N91-14402
InAs/Ga(1-x)In(x)Sb superlattices for infrared detector applications 06 p0798 N91-14407
SCHULMAN, L. S.
Path integral asymptotics in the absence of classical paths
[DE90-016213] 01 p0113 N91-10659
SCHULTE-WERNING, BURKHARD
Numerical simulation and topological analysis of the separated flow around a sphere
[DLR-FB-90-43] 15 p2426 N91-23435
SCHULTE, R.
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
SCHULTZ, A. J.
Texture analysis of bulk YBa2Cu3O(x) by neutron diffraction
[DE91-006563] 09 p1417 N91-17802
SCHULTZ, AUGUST L.
Numerical studies of electron scattering in astrophysics 02 p0290 N91-11625

SCHULTZ, BILL
Aging aircraft: Issues and partial answers
10 p1453 N91-18008
SCHULTZ, D. C.
SLC polarized beam source electron optics design
[DE91-012911] 20 p3404 N91-28869
SCHULTZ, DAVID
Fabry-Perot observations of comet Austin
12 p2003 N91-21021
SCHULTZ, F. J.
Radioluminescent (RL) airfield lighting system program
[DE91-001007] 07 p0946 N91-15186
Radioluminescent (RL) lighting system development program
[DE91-009743] 15 p2416 N91-23381
SCHULTZ, J.
Investigations on the interface and mechanical properties of composites based on non impregnated carbon fibre reinforced thermoplastic preforms
[MBB-Z-0298-90-PUB] 04 p0497 N91-12757
SCHULTZ, J. C.
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
SCHULTZ, K. R.
US/Japan Workshop on Tokamak Fusion Power Reactor Studies
[DE91-011115] 17 p2867 N91-25858
The evolution of US helium-cooled blankets
[DE91-017938] 24 p4107 N91-32952
SCHULTZ, K.-J.
Wake geometry effects on rotor blade-vortex interaction noise directivity
[NASA-TP-3015] 03 p0414 N91-12315
SCHULTZ, KEVIN L.
Geographic information systems: A primer
[AD-A231465] 13 p2169 N91-21974
SCHULTZ, R. L.
Navigation, guidance, and trajectory optimization for hypersonic vehicles 15 p2376 N91-23150
SCHULTZ, REBECCA B.
Testing and evaluation of the catalyst research MiniOX 3 oxygen monitor
[AD-A239665] 23 p3906 N91-31807
SCHULTZ, RICHARD A.
MEVTV study: Early tectonic evolution of Mars: Crustal dichotomy to Valles Marineris 14 p2349 N91-22990
Complex early rifting in Valles Marineris: Results from preliminary geologic mapping of the Ophir Planum Region of Mars 14 p2351 N91-23002
Possible deficiency of large Martian craters and relative cratering of the terrestrial planets
14 p2351 N91-23003
Strike-slip faulting, wrinkle ridges, and time variable stress states in the Coprates Region of Mars
14 p2351 N91-23004
Geology, structure, and statistics of multi-ring basins on Mars 14 p2352 N91-23005
SCHULTZ, ROGER D.
Capturing, using, and managing quality assurance knowledge for shuttle post-MECO flight design
12 p1943 N91-20691
The AI Bus architecture for distributed knowledge-based systems 12 p1944 N91-20697
SCHULTZ, T. J.
Testing of ceramic radiant tube heating system
[PB91-161323] 19 p3162 N91-27483
SCHULZ, H.
Assessment of ductile fracture methodology based on applications to large-scale experiments
[DE91-009920] 20 p3360 N91-28614
SCHULZ, HARTMUT
UV-x ray relations and the Baldwin effect
09 p1445 N91-17967
SCHULZ, JOHN M.
Shuttle Orbiter medical system equipment/supplies evaluation 24 p4080 N91-32793
SCHULZ, NORBERT S.
Bicolored photometry and spectral accommodation in X-ray region of mass impregnated stellar X-ray binaries
[MPE-219] 01 p0137 N91-10808
SCHULZ, RITA
CN jets as progenitors of CN shells in the coma of Comet P/Halley 10 p1621 N91-18941
SCHULZ, THOMAS
Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121
SCHULZE, MANFRED W.
Optimization criteria for the design of orbital replacement units
[MBB-UO-0092-90-PUB] 01 p0018 N91-10109
SCHULZE, NORMAN R.
The NASA-Lewis program on fusion energy for space power and propulsion, 1958-1978
14 p2200 N91-22148
Fusion energy for space missions in the 21st century: Executive summary
[NASA-TM-4297] 19 p3244 N91-27940
Space fusion energy conversion using a field reversed configuration reactor: A new technical approach for space propulsion and power 20 p3294 N91-28217
SCHUMACHER, B.
The new LLNL AMS spectrometer
[DE90-010868] 08 p1108 N91-16084
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463
SCHUMACHER, CLIFFORD R.
Radar cross section calculations of traveling surface waves
[AD-A227032] 07 p0994 N91-15454
SCHUMACHER, J.
Air traffic simulation with a view to system interpretation 11 p1653 N91-19110
SCHUMACHER, J. M.
Minimality of descriptor representations under external equivalence
[CWI-BS-R9002] 02 p0260 N91-11446
Realization and partial fractions
[CWI-BS-R9032] 17 p2844 N91-25717
SCHUMACHER, LARRY L.
Remote object configuration/orientation determination
[NASA-CASE-NPO-17436-1-CU] 07 p1004 N91-15512
SCHUMACHER, PAUL W., JR.
NAVSPASUR orbital processing for satellite break-up events 12 p1951 N91-20731
SCHUMACHER, PETRA K.
Specification, procurement and testing of passivated microwave semiconductor chips for space applications
24 p4005 N91-32393
SCHUMACHER, R. W.
HOLLOTRON switch for megawatt lightweight space inverters
[NASA-CR-187083] 14 p2260 N91-22502
SCHUMAKER, LARRY L.
Fitting scattered data on spherelike surfaces using tensor products of trigonometric and polynomial splines
[MEMO-909] 23 p3921 N91-31904
SCHUMAN, JENNIFER
The practical computer in design
[DE91-000353] 03 p0401 N91-12232
SCHUMANN, U.
Direct and large eddy simulation of turbulence: Summary of the state-of-the-art 1991 23 p3866 N91-31562
SCHUMM, JEFFRY S.
Approaches to orthogonally fused conducting polymers for molecular electronics
[AD-A236253] 19 p3142 N91-27361
SCHUMUECKER, MEINHARD
Fast response gust measurement device
14 p2289 N91-22659
SCHUNK, P. R.
Dip coating of sol-gels
[DE91-007571] 13 p2154 N91-21872
Analysis of an EBeam melting process
[DE91-010855] 16 p2630 N91-24563
SCHUPP, G.
Inelastic scattering in condensed matter with high intensity Moessbauer radiation
[DE91-014384] 21 p3592 N91-29980
SCHURR, JULIET N.
Ultrasonic evaluation of SRMU bondlines
[AD-A231697] 14 p2236 N91-22369
SCHUSTER, GREGORY L.
Potential converter for laser-power beaming
22 p3635 N91-30228
SCHUSTER, H.
The influence of small SO2 contents on the corrosion behavior for NiCrAl alloys in temperature zone from 1000 to 1100 C
[JUEL-2362] 08 p1116 N91-16134
SCHUSTER, J. R.
The COLD-SAT experiment for cryogenic fluid management technology 16 p2573 N91-24263
SCHUSTER, JULIUS C.
Boron nitride and silicon nitride systems
[AD-A238080] 21 p3489 N91-29359
SCHUTT, J. A.
ZEPHYR3D: A finite difference computer program for three-dimensional, transient incompressible flow problems
[DE91-014331] 20 p3344 N91-28515
SCHUTTE, PAUL
Fault monitoring 02 p0164 N91-10950
SCHUTTE, WILLEM A.
New insights in the photochemistry of grain mantles: The identification of the 4.62 and 6.87 micron bands
06 p0897 N91-14957
Molecular and mass spectroscopic analysis of isotopically labeled organic residues
06 p0898 N91-14961
The evolution of organic mantles on interstellar grains
06 p0898 N91-14964
SCHUTZ, ROBERT E.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21598
SCHUTZENHOFER, LUKE A.
Marshall Space Flight Center CFD overview
02 p0144 N91-10843
SCHUUR, PETER C.
Classification of acceptance criteria for the simulated annealing algorithm
[MEMO-COSOR-89-29] 07 p1051 N91-15768
Simulated annealing as a tool to obtain new results in plane geometry
[MEMO-COSOR-90-17] 07 p1058 N91-15812
SCHUURMAN, J. J.
Method management for the benefit of large software packages for analysis in CAE
[NLR-TP-89027-U] 22 p3733 N91-30786
Method base system and executive, tools for management and execution of software systems for CAE
[NLR-TP-89169-U] 22 p3765 N91-30986
SCHVERMAN, MARLA A.
Long term isothermal aging and thermal analysis of N-CYCAP polyimides
[NASA-TM-104341] 17 p2761 N91-25286
SCHWAAB, DOUGLAS GERARD
Optimal selection of orbital replacement unit spares: A space station system availability model
03 p0320 N91-11787
SCHWAAB, GERHARD W.
Investigation of highly excited CO transitions in OMC-1
13 p2176 N91-22013
A highly collimated bipolar outflow in the core of OMC-1: CO submillimeter emission 13 p2176 N91-22014
Airborne heterodyne receiver for the range 600 GHz to 3,000 GHz 13 p2180 N91-22047
SCHWAB, C.
Optimization, non-local MHD-mode, and alpha-particle confinement behavior of Helias equilibria
20 p3408 N91-28893
SCHWAB, JOHN R.
Performance of a high-work, low-aspect-ratio turbine stator tested with a realistic inlet radial temperature gradient
[NASA-TM-103738] 12 p1842 N91-20126
SCHWAB, RAINER R.
Parametric assessment of propulsion system mass for airbreathing launcher configurations
[PNR-90634] 01 p0011 N91-10063
SCHWAB, ROBERT G.
The temporal structure of cooperative activity
19 p3258 N91-28020
The communicative economy of the workgroup: Multi-channel genres of communication
19 p3258 N91-28021
SCHWABE, D.
Flows in melts and Marangoni convection
14 p2333 N91-22890
Oscillatory Marangoni convection (TEXUS 3A and 3B)
23 p3824 N91-31333
Critical Marangoni number (TEXUS 5)
23 p3825 N91-31334
Critical Marangoni number (TEXUS 6)
23 p3825 N91-31335
SCHWABE, DANIEL
Hypertext development using a model-based approach
[REPT-90-074] 23 p3936 N91-31995
SCHWAN, KARSTEN
Guidance, navigation and control. Digital emulation technology laboratory. Volume 5, Tasks 4, 5, and 7: Software development and GN and C processor development
[AD-A225127] 04 p0475 N91-12651
SCHWANIGER, ARTHUR
Low-g measurements by NASA
03 p0430 N91-12408
SCHWANK, J. R.
Hole-trapping/hydrogen transport (HT sup 2) model for interface-trap buildup in MOS devices
[DE91-000020] 07 p0998 N91-15480
Total-dose degradation of thin film ferroelectric capacitors
[DE90-007152] 08 p1130 N91-16218
Properties and characterization of thin film ferroelectric capacitors for nonvolatile memories
[DE91-004037] 08 p1134 N91-16242
Statistical process control for QML (Qualified Manufacturer's List) radiation hardness assurance
[DE90-007413] 08 p1161 N91-16394
Field dependence of interface trap buildup in Si-gate MOS devices
[DE90-007679] 09 p1409 N91-17752

Aspects of fatigue and rapid depolarization in the film PZT capacitors
[DE91-014904] 21 p3509 N91-29484
Comparison of low-energy x ray and cobalt-60 irradiations of MOS devices as a function of gate bias
[DE91-008174] 22 p3759 N91-30953

SCHWARTING, E. M.
SEEP 2 zooplankton data report: Winter, spring and summer collections at mooring 3 during 1988
[DE91-012077] 18 p3019 N91-26668

SCHWARTZ, FIDI
Enzymatic oxidation of monoclonal antibodies by immobilized bi-functional enzyme complexes
14 p2296 N91-22693
Enhanced activity of immobilized dimethymaleic anhydride-protected poly- and monoclonal antibodies
14 p2296 N91-22695

SCHWARTZ, IRA B.
Background simulation and filter design using iterated function systems
[AD-A232632] 15 p2420 N91-23405
A new asymptotic theory for the periodically forced laser
[AD-A232633] 15 p2434 N91-23486

SCHWARTZ, J. A.
Design and testing of an active quenching circuit for an avalanche photodiode photon detector
24 p3984 N91-32258

SCHWARTZ, L. H.
US assessment of the new diamond technology in Japan
[PB91-167395] 20 p3324 N91-28404

SCHWARTZ, LAWRENCE
Enhancing aircraft utilization: Improved use of cargo-holding time
[AD-A230402] 12 p1827 N91-20041

SCHWARTZ, R.
Improvements in the BYBLOS continuous speech recognition system
[AD-A230126] 12 p1881 N91-20342
Laser effects upon the structure and function of the eye as a function of different wavelengths
17 p2825 N91-25603

SCHWARTZ, R. W.
Characterization of chemically prepared PZT thin films
[DE90-010831] 08 p1232 N91-16789

SCHWARTZ, S. E.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
An observational study of the efficiency of activation of accumulation-mode particles in warm continental stratiform clouds
[DE91-013335] 21 p3542 N91-29681

SCHWARTZ, STUART
Quickest detection procedures and transient signal detection
[AD-A230068] 12 p1972 N91-20851

SCHWARTZBART, A.
Noncontacting multiparametric sensor for shaft speed, torque, and position 16 p2573 N91-24259

SCHWARTZKOPF, STEVEN H.
Conceptual design of a closed loop nutrient solution delivery system for CELSS implementation in a micro-gravity environment 23 p3905 N91-31798

SCHWARZ, GOTTFRIED
Model calculations for a pushbroom stereo camera: The case of the Mars 94 High Resolution Stereo Camera (HRSC)
[DLR-FB-90-57] 24 p4020 N91-32468

SCHWARZ, R.
The heater unit of the Zone Melting Facility (ZMF): A resistance heated ten zone furnace
14 p2335 N91-22911
Quasi-two dimensional density of states and the isotope effect in the superconducting Cu oxides
[DE91-009969] 14 p2336 N91-22918

SCHWARZ, R. B.
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115
Synthesis of metastable aluminum-based intermetallics by mechanical alloying
[DE91-013651] 20 p3319 N91-28376
Kinetics of solid-state reactions in Ni-Zr thin films
[DE91-013652] 20 p3430 N91-29028
Metastable phase equilibria in co-deposited Ni(1-x)Zr(x) thin films
[DE91-013653] 20 p3430 N91-29029

SCHWARZ, R. K.
Project Records Information System (PRIS)
[DE91-004901] 07 p1077 N91-15924
Engineering Design Information System (EDIS)
[DE91-004904] 07 p1077 N91-15925

SCHWARZ, R. L.
Active Design Database (ADDB) user's manual
[DE91-010431] 15 p2523 N91-23985

SCHWARZ, RAY P.
Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] 05 p0693 N91-13860
A culture vessel with large perfusion area to volume ratio
[NASA-CASE-MSC-21662-1] 09 p1370 N91-17531
Rotating bio-reactor cell culture apparatus
[NASA-CASE-MSC-21293-1] 13 p2126 N91-21700
Horizontally rotated cell culture system with a coaxial tubular oxygenator
[NASA-CASE-MSC-21294-1] 22 p3713 N91-30667

SCHWARZE, G. E.
Neutron, gamma ray and post-irradiation thermal annealing effects on power semiconductor switches
[NASA-TM-105248] 24 p4008 N91-32410
Comparison of high temperature, high frequency core loss and dynamic B-H loops of two 50 Ni-Fe crystalline alloys and an iron-based amorphous alloy
[NASA-TM-105205] 24 p4008 N91-32412

SCHWARZE, GENE E.
Makeup and uses of a basic magnet laboratory for characterizing high-temperature permanent magnets
[NASA-TM-104508] 22 p3669 N91-30427

SCHWEDA, HARTMUT S.
The classical microwave frequency standards
17 p2850 N91-25757
On the line Q degradation in hydrogen masers
17 p2859 N91-25806

SCHWEE, LEONARD J.
Non-volatile memory cell with ferroelectric capacitor having logically inactive electrode
[AD-D014582] 07 p0997 N91-15475
Enhanced crosstie random access memory element and process for the fabrication thereof
[AD-D014723] 11 p1773 N91-19717

SCHWEHM, G.
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
Experimental evidence for amorphous carbon grains in comets 06 p0907 N91-15008

SCHWEHM, G. H.
Particulate impacts on the UHCRE cosmic ray experiment teflon covers: The ESA programme
16 p2711 N91-25004

SCHWEHM, GERHARD
Rosetta: The Comet Nucleus Sample Return mission (CNSR) 10 p1619 N91-18926

SCHWEIGER, A.
Sea ice-atmosphere interaction: Application of multispectral satellite data in polar surface energy flux estimates
[NASA-CR-187376] 05 p0680 N91-13782

SCHWEIGER, J.
The integration of structural optimization in the general design process for aircraft
[MBB/FE122/S/PUB/0405] 08 p1096 N91-16017
Enhanced fighter maneuverability aircraft (X-31A) wing and thrust vectoring vane design
[MBB-FE22/S/PUB/0433/A] 23 p3790 N91-31135

SCHWEIKER, MARY L.
Airport capacity and delay analyses
[DOT/FAA/CT-TN91/18] 17 p2737 N91-25152

SCHWEITZER, EITHAN
Modifying MINOS for solving the dual of a linear program
[AD-A226449] 04 p0565 N91-13135

SCHWEITZER, K.
Skin technology (TEXUS 1) 23 p3848 N91-31455
Skin technology (TEXUS 2) 23 p3848 N91-31456
Skin technology (TEXUS 3) 23 p3848 N91-31457
Skin technology (TEXUS 4) 23 p3849 N91-31458

SCHWEITZER, N. E.
Description of the bistatic radar terrain measurements system equipment
[AD-A226808] 06 p0818 N91-14517

SCHWELBERGER, J. G.
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917

SCHWELLENBACH, D.
Electromagnetic dissociation of Au and Co targets by relativistic heavy ions
[DE91-014915] 21 p3579 N91-29906

SCHWENTEK, H.
Activities report of the Max-Planck Institute for Aeronomy
[ETN-91-98383] 05 p0769 N91-14272

SCHWENTERLY, S. W.
Laser-induced fluorescence of phosphors for remote cryogenic thermometry
[DE91-001733] 05 p0662 N91-13681
Light weight, high field, stable, superconducting magnets for advanced transportation systems
[DE91-013667] 20 p3394 N91-28814

SCHWIESOW, RONALD
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987
01 p0092 N91-10534

SCHWIETERT, HENDRIK REINIER
Prediction of the ultimate tensile strength of a fiber-reinforced ceramic 03 p0326 N91-11810

SCHWING, F. B.
Nearshore physical oceanography off the Central California coast during May-June, 1989: A summary of CTD data from juvenile rockfish surveys
[PB91-191817] 22 p3712 N91-30660

SCHWORER, WILLIAM JOSEPH, III
Nationwide mobile communication systems, volume 1, chapters 1 thru 4
[AD-A225366] 03 p0357 N91-11999
Nationwide mobile communication systems. Volume 2, chapter 5: Appendix A
[AD-A225367] 03 p0357 N91-12000
Nationwide mobile communication systems. Volume 3: Appendix B - D
[AD-A225368] 03 p0358 N91-12001

SCHWUTTKE, URSULA M.
MARVEL: A knowledge-based productivity enhancement tool for real-time multi-mission and multi-subsystem spacecraft operations
14 p2217 N91-22256

SCHYOKOTOV, A. YU.
On the possibility to support multisatellite measurements of the Cluster mission by single satellite measurements in the Regatta-Cluster project 01 p0071 N91-10428

SCIALDONE, JOHN J.
Spacecraft thermal blanket cleaning: Vacuum bake of gaseous flow purging
[NASA-TM-100760] 04 p0508 N91-12825
Outgassing data for selecting spacecraft materials, revision 2
[NASA-RP-1124-REV-2] 06 p0804 N91-14437
An evaluation of two flat-black silicone paints for space application
[NASA-TM-100768] 06 p0813 N91-14494
Flow fields of low pressure vent exhausts
11 p1658 N91-19135
Redistribution of particulates on a payload during flight ascent
[NASA-TM-104539] 13 p2046 N91-21255

SCIAMMARELLA, CESAR A.
Electro optical system to measure strains at high temperature
[NASA-CR-188148] 13 p2088 N91-21492

SCIARRETTA, C.
Time and frequency comparisons in Europe by means of ECS 5 geostationary satellite
17 p2851 N91-25764

SCIEZ, GERALD
Incorporation of the operation safety in the industry and in a product development process inducting subcontractors
[ETN-90-97822] 01 p0033 N91-10196

SCIORTINO, JOHN C.
A buried heterostructure laser modulator
[AD-D014819] 16 p2632 N91-24569

SCKOPKE, N.
Ion distributions and flows near the neutral sheet
[MPE-PREPRINT-179] 08 p1267 N91-16974

SCOFIELD, C. P.
NASA/Ames Research Center DC-8 data system
17 p2794 N91-25458
C-130 Automated Digital Data System (CADDS)
17 p2799 N91-25482

SCOFIELD, J.
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903

SCOFIELD, J. D.
Calculation of Gallium-metal-Arsenic phase diagrams
22 p3633 N91-30214

SCOFIELD, J. H.
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
A calculation of gain in Ne-like Ag soft x ray lasers
[DE91-009758] 14 p2270 N91-22559
Physical basis for nondestructive tests of MOS radiation hardness
[DE91-009180] 19 p3178 N91-27572

SCOLLO, G.
Specification styles in distributed systems design and verification
[MEMO-INF-90-06] 03 p0405 N91-12256

SCOLLO, GIUSEPPE
On the expressiveness of equational type logic
[MEMO-INF-90-39] 10 p1580 N91-18698
On the expressiveness of equational type logic
[MEMO-INF-90-39-REV] 23 p3919 N91-31887

SCORSONE, L. V.
Boeing infrared sensor (BIRS) calibration facility
07 p0954 N91-15244
Boeing infrared sensor (BIRS) calibration facility
11 p1659 N91-19138
SCORZELLI, R. B.
Hyperfine interactions associated with iron substituted superconducting oxides
[DE90-010411] 08 p1230 N91-16783
SCOTT-WILSON, J. B.
Determining technology objectives
04 p0462 N91-12583
SCOTT, A. DON
Subsystems component definitions summary program
[NASA-TM-4247] 07 p1042 N91-15714
Rigid-body-control subsystem sizing for an Earth science geostationary platform
[NASA-TP-3087] 14 p2224 N91-22302
SCOTT, B. R.
Biophysical and biomathematical adventures in radiobiology
[DE91-017484] 24 p4072 N91-32750
SCOTT, COURTNEY J.
Nimbus-7 TOMS Antarctic ozone atlas: August - December 1990
[NASA-RP-1264] 18 p3015 N91-26651
SCOTT, CRAIG J.
Characterization of quantum well structures using a photocathode electron microscope
19 p3275 N91-28118
SCOTT, D. J.
Design and test of a continuous duty pulsed ac generator
[DE91-014664] 21 p3504 N91-29445
SCOTT, DAN
NASA's use of FTS2000 services
18 p3078 N91-27018
SCOTT, G.
Spanwise aerodynamic loads on a rotating wind turbine blade
[DE91-002101] 05 p0615 N91-13414
SCOTT, G. L.
Low-cost 3 kV, triggered, stripline, surface-discharge switch
[DE91-016641] 24 p4007 N91-32403
SCOTT, G. N.
A discussion of the results of an in-situ comparison of three full-vector anemometers
[DE91-002113] 06 p0827 N91-14572
SCOTT, G. W.
Eddy-current inspection of shuttle heat exchanger tube welds
10 p1487 N91-18195
SCOTT, GEORGE N.
Smoothing and scaling airfoil coordinates on a personal computer
[DE89-000878] 08 p1198 N91-16582
SCOTT, HOWARD A.
Linearization algorithms for line transfer
[DE91-005262] 10 p1569 N91-18630
SCOTT, J. C.
Observation of the photorefractive effect in a polymer
[AD-A231339] 13 p2057 N91-21322
SCOTT, JAMES G.
Establishment of a remotely piloted helicopter test flight program for higher harmonic control research
[AD-A234978] 18 p2925 N91-26135
SCOTT, JAMES R.
Acoustic radiation from lifting airfoils in compressible subsonic flow
[NASA-TM-103650] 11 p1641 N91-19053
Inlets, ducts, and nozzles 12 p1837 N91-20096
Compressible flows with periodic vortical disturbances around lifting airfoils
[NASA-TM-103742] 13 p2011 N91-21060
A finite-difference, frequency-domain numerical scheme for the solution of the linearized unsteady Euler equations 13 p2012 N91-21067
SCOTT, JAMES RUSSELL
Compressible flows with periodic vortical disturbances around lifting airfoils 03 p0300 N91-11670
SCOTT, L. D.
A measurement system for aircraft/weapon electromagnetic compatibility
[DE91-011504] 19 p3148 N91-27400
SCOTT, M.
Parts management for the 1990's
24 p4002 N91-32375
SCOTT, M. J.
Ignition and combustion characteristics of metallized propellants
[NASA-CR-187951] 10 p1506 N91-18289
Methods for estimating the uncertainty of climate change effects in a crop model
[DE91-011238] 17 p2808 N91-25525
SCOTT, M. W.
Borehole radar for geothermal applications
[DE91-010478] 16 p2619 N91-24497
SCOTT, MARK W.
Technology needs for high speed rotorcraft (2)
[NASA-CR-177590] 20 p3285 N91-28168
SCOTT, MICHAEL A.
Active damping application to the shuttle RMS
[NASA-TM-102763] 11 p1720 N91-19471
Simulator evaluation of system identification with on-line control law update for the controls and astrophysics experiment in space 14 p2231 N91-22341
SCOTT, P.
Li overlayer formation, oxidation, and sputtering characteristics of Al-Li alloys and W/Al-Li composites for fusion applications
[DE91-006529] 09 p1408 N91-17750
SCOTT, R. F.
Effect of fortifier on compression-after-impact strength of carbon fabric reinforced epoxy
[NAE-LTR-ST-1736] 21 p3469 N91-29237
SCOTT, R. W.
A variational assimilation method for satellite and conventional data: Development of basic model for diagnosis of cyclone systems
[NASA-CR-188667] 19 p3202 N91-27701
SCOTT, ROBERT, JR.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
SCOTT, RODERICK S.
Parallel-processor-based Gaussian beam tracer for use in ocean acoustic tomography
[AD-A232420] 15 p2471 N91-23690
SCOTT, RUSSELL W., II
Applications of neural networks to adaptive control
[AD-A225408] 05 p0706 N91-13938
SCOTT, S. D.
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
SCOTT, STAN G.
The NASA-ER2 meteorological measurement system: Instrumentaion, calibration and intercomparison results
14 p2289 N91-22658
SCOTT, THOMAS MARK
Single event test method and test results on the Intel 80386 24 p3998 N91-32343
SCOTT, W. RICHARD
Evaluation of advanced microelectronics for inclusion in MIL-STD-975 24 p4005 N91-32390
SCOTTI, OONA
Distributed deformation and block rotation in 3D
06 p0845 N91-14667
SCOTTI, STEPHEN J.
Numerical studies of convective cooling for a locally heated skin
[NASA-TP-3100] 14 p2261 N91-22509
SCOVILLE, N. Z.
Aperture synthesis CO observations of the inner disk of NGC 1068 05 p0738 N91-14122
CO aperture synthesis of NGC 4038/9 (ARP 244)
05 p0738 N91-14123
SCRAGG, JIM
Thermoplastics design development considerations for cryogenic tanks 03 p0330 N91-11844
Development of intelligent structures
03 p0334 N91-11876
SCRHIJVER, A.
A simpler proof and a generalization of the zero-trees theorem
[CWI-BS-R9015] 10 p1583 N91-18721
SCRIBNER, KEN
The search for high energy low vulnerability explosives
[DE90-009436] 08 p1121 N91-16158
Paste extrudable explosives: Their history and their current status
[DE90-009438] 08 p1121 N91-16159
SCRIVENER, C. T. J.
Heat transfer in aero engine gas turbines, part 1
[PNR-90754-PT-1] 01 p0012 N91-10074
SCRIVENER, M. S.
A high temperature, plasma-assisted chemical vapor deposition system
[DE91-000260] 04 p0506 N91-12809
SCROGGS, JEFFREY S.
Asymptotic-induced numerical methods for conservation laws
[NASA-CR-187483] 08 p1145 N91-16305
SCROSATI, BRUNO
Interfacial stability of lithium in non-aqueous gel polymer electrolyte cells
[AD-A229186] 09 p1330 N91-17303
SCRUGGS, T. B.
Computational investigation of circulation control turbulence modeling
[AD-A230440] 12 p1829 N91-20051
SCUDDER, D. W.
The Los Alamos megamp fiber z-pinch experiment
[DE91-004842] 08 p1229 N91-16777
SCUDLARK, J. R.
Chemistry of atmospheric precipitation at Lewes, Delaware as part of the MAP3S network
[DE91-011148] 17 p2808 N91-25522
SCUKA, VIKTOR
Correlation between some current parameters and optical radiation generated by 280 mm long laboratory sparks 24 p4055 N91-32655
SCULLY, J. R.
CO2 induced inhibition of the localized corrosion of aluminum, Al-0.5 percent Cu, and Al-2 percent Cu in dilute HF solution
[DE91-005312] 13 p2052 N91-21292
Metastable pitting corrosion of aluminum, Al-Cu, and Al-Si thin films in dilute HF solutions and its relevancy to the processing of integrated circuit interconnections
[DE91-012014] 18 p2957 N91-26320
Hydrogen interactions in aluminum-lithium alloys
19 p3130 N91-27292
SCULLY, JOHN R.
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209
SDOUZ, GERT
Calculation of the source term for a S1B-sequence at a VVER-1000 type reactor, part 1
[OEFZS-4555-PT-1] 17 p2862 N91-25826
Calculation of the source term for a S1B-sequence at a VVER-1000 type reactor. Part 2: Appendix
[OEFZS-4556-PT-2] 17 p2862 N91-25827
Examinations of thermal conductivity in dense plasma
[OEFZS-4564] 22 p3756 N91-30940
SEAB, C. GREGORY
The origin of micrograins 06 p0905 N91-15000
SEABAUGH, A.
Quantum device development
[AD-A225813] 04 p0587 N91-13280
SEABLOM, KIRK D.
Development of a laser-induced heat flux technique for measurement of convective heat transfer coefficients in a supersonic flowfield
[NASA-TM-103778] 11 p1643 N91-19063
SEAGER, C. H.
EBIC (Electron Beam Induced Current) contrast of clean, decorated and deuterium passivated Si(Ge) epitaxial misfit dislocations
[DE91-006967] 13 p2160 N91-21912
Subgap absorption in conjugated polymers
[DE91-012655] 20 p3324 N91-28402
Measurements of photo-induced changes in conjugated polymers
[DE91-013262] 20 p3328 N91-28427
SEAGER, CARLETON H.
Long range Coulomb effects on hydrogen debonding from boron acceptors in silicon
[DE91-004031] 07 p0985 N91-15408
Minority carrier induced debonding of hydrogen from shallow donors in silicon
[DE91-004032] 07 p1065 N91-15855
SEAH, M. P.
VAMAS study of intensity stability of cylindrical mirror analyzer based Auger electron spectrometers
[NPL-DMM(A)-16] 12 p1867 N91-20257
Scattering in electron spectrometers
[NPL-DMM(A)-19] 15 p2431 N91-23467
SEALE, R. L.
Intrinsic neutron source strengths in uranium solutions
[DE91-016091] 23 p3925 N91-31933
SEALOCK, RICHARD M.
Electromagnetic interactions with nuclei and nucleons
[DE91-005096] 10 p1591 N91-18773
SEALS, ROLAND D.
Advanced infrared optically black baffle materials
[DE91-000561] 02 p0271 N91-11523
SEALS, WILLIAM P.
Stability of liquid propellants under long-term storage
[AD-A223934] 02 p0201 N91-11126
SEALY, B. J.
Workshop on MQW Mixing and Its Application to Optoelectronic Devices
[AD-A229205] 09 p1330 N91-17304
Ion Implantation Technology: Proceedings of the 8th International Conference on Ion Implantation Technology
[AD-A237955] 21 p3597 N91-30013
SEAMAN, A. J.
Flow around a store-pylon combination in a curved flow field
[BU-514] 14 p2189 N91-22088

SEAMAN, C. L.
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373
SEAMEN, J. F.
Gaseous prebreakdown processes that are important for pulsed power switching
[DE91-015902] 21 p3510 N91-29487
SEAMSTER, THOMAS
Lessons learned in the development of the STOL intelligent tutoring system 14 p2317 N91-22795
SEARBY, NANCY
Effect of science laboratory centrifuge of space station environment 03 p0433 N91-12425
SEARCY, WILLIAM P., III
Seismic reflection profiles, Somali Basin data report: USNS Wilkes
[AD-A226050] 04 p0547 N91-13035
SEARFUS, R. M.
An analog retina model for detecting moving objects against a moving background
[DE91-017428] 24 p4035 N91-32544
SEARLES, S. K.
Optical turbulence measurements during one morning and two evening transition periods in a desert basin
[AD-A230304] 12 p1923 N91-20578
SEARS, MARK P.
Linear algebra for dense matrices on a hypercube
[DE90-010533] 08 p1209 N91-16647
SEASHOLTZ, RICHARD G.
High-speed laser anemometry based on spectrally resolved Rayleigh scattering
[NASA-TM-104522] 19 p3169 N91-27521
SEAVERS, NEILL
Results of man in the loop simulator experiments using air-to-air missile models 07 p1047 N91-15745
SEBE, T.
Hexadecapole systematics in the interacting boson model
[DE91-618305] 16 p2684 N91-24864
SEBEK, MICHAEL
An algorithm for spectral factorization of polynomial matrices with any signature
[MEMO-912] 23 p3912 N91-31842
SEBEKINA, T. V.
Stress and human circulation
10 p1562 N91-18592
SEBESTA, HENRY
Characterizing performance of ultra-sensitive accelerometers 03 p0432 N91-12419
SEBOK, T. M.
The 3D laser radar vision processor system
[NASA-CR-185640] 16 p2691 N91-24898
SEBOLDT, W.
Oxygen extraction from lunar soil by fluorination
17 p2903 N91-26032
SECCI, G.
SMA applications in an innovative multishot deployment mechanism 16 p2642 N91-24622
SECHI, G.
Lymphocytes on sounding rockets
11 p1749 N91-19620
SECKEL, D.
Particle theory and cosmology
[DE91-017730] 24 p4122 N91-33041
SECORD, BERTHA B.
Publications and presentations of the Opthalmology Branch, USAF School of Aerospace Medicine, 1981-1990
[AD-A239458] 24 p4073 N91-32754
SECRETAN, H.
MERCATOR: A distributed ground control system for geostationary satellite positioning
14 p2210 N91-22202
SECRIST, M.
Assessment and forecasting of lightning potential and its effect on launch operations at Cape Canaveral Air Force Station and John F. Kennedy Space Center
24 p4064 N91-32704
SECUNDE, RICHARD R.
Solar dynamic power for Earth orbital and lunar applications
[NASA-TM-104511] 19 p3116 N91-27214
SEDAYAO, J.
FTIR (Fourier Transform Infrared) spectrophotometry for thin film monitors: Computer and equipment integration for enhanced capabilities
[DE91-001228] 06 p0879 N91-14853
SEDDOUGUI, SHARON O.
The inviscid compressible Goertler problem
[NASA-CR-187600] 22 p3611 N91-30089
Nonlinear instability of hypersonic flow past a wedge
[NASA-CR-187609] 22 p3612 N91-30094
SEDGEWICK, J. M.
Electric rate structures for thermal energy storage evaluation
[DE91-013168] 21 p3536 N91-29644
SEDGWICK, L. M.
Full-size solar dynamic heat receiver thermal-vacuum tests
[NASA-TM-104486] 17 p2744 N91-25184
Ground test program for a full-size solar dynamic heat receiver
[NASA-TM-104485] 19 p3115 N91-27209
SEDGWICK, LEIGH M.
Solar dynamic heat receiver technology
[NASA-CR-187040] 07 p0962 N91-15297
Advanced development receiver thermal vacuum tests with cold wall
[NASA-CR-187092] 16 p2566 N91-24227
SEDLAK, J.
COBE attitude as seen from the FDF
09 p1287 N91-17078
SEDMAK, G.
Atlas of far UV and optical spectra of Be stars
09 p1434 N91-17897
SEDRAKYAN, A. D.
On the braking mechanisms of pulsars
06 p0921 N91-15090
SEDRAKYAN, D. M.
On the braking mechanisms of pulsars
06 p0921 N91-15090
SEDY, EUGENE B.
Validation of a computational model for autogenous arc welding
[AD-A227258] 06 p0834 N91-14611
SEE, E. F.
Shock-induced optical emission in Al2O3 at 200 GPa: Implications for shock temperature measurements in metals
[DE91-013584] 20 p3318 N91-28365
Shock compression of low-density microcellular materials
[DE91-013586] 20 p3363 N91-28628
SEE, MICHAEL J.
Mission operations directorate: Facility and support systems division 11 p1774 N91-19726
SEE, THOMAS H.
Meteoroid and orbital debris record of the Long Duration Exposure Facility 16 p2711 N91-25003
Preliminary results from the chemistry of micrometeoroid experiment (AO 187-1) 16 p2711 N91-25005
M and D SIG progress report: Laboratory simulations of LDEF impact features 16 p2713 N91-25013
Preliminary micrometeoroid and debris effects on LDEF thermal control surfaces 16 p2713 N91-25014
SEEBALD, ROBERT F.
Digital production of Landsat image maps in the map publishing environment
[AD-A230558] 12 p1917 N91-20547
SEED, W. R.
Evaluation of the MARISAT satellite UHF wideband channel
[AD-A233666] 18 p2972 N91-26408
SEEGER, HERMAN
Report of the panel on international programs
13 p2107 N91-21599
SEEGER, REBECCA N.
Characterization of an air-to-air optical heterodyne communication system
[AD-A230681] 12 p1888 N91-20378
SEEL, M. J.
Magnetic resonance imaging studies of process rheology
[AD-A225814] 04 p0510 N91-12836
SEELEY, J. S.
Exposure to space radiation of high-performance infrared multilayer filters 16 p2722 N91-25076
SEELEY, ROBERT
The DIMEX experiment
[AD-A229080] 09 p1406 N91-17738
SEELY, G. R.
Particulate models of photosynthesis
[DE91-016842] 24 p4072 N91-32751
SEELY, J. F.
Nozzle vector angle determination using a laser measurement system 16 p2575 N91-24274
Absorption measurements of radiatively heated low-Z materials
[DE91-011182] 17 p2867 N91-25861
SEGAERT, P.
Radial mixing in turbomachines
[AD-A235507] 19 p3163 N91-27491
SEGAL, A.
A quantitative investigation into the aerodynamic coupling effects in a coaxial contra-rotating rotor system
[BU-517] 14 p2194 N91-22120
SEGALL, ZARY
Validation environment for AIPS/ALS: Implementation and results
[NASA-CR-4340] 05 p0705 N91-13930
SEGALMAN, D. J.
Techniques for controlling a two-link flexible arm
[DE91-004818] 07 p1012 N91-15555
Minimum-time trajectory control of a two-link flexible robotic manipulator
[DE91-001261] 11 p1716 N91-19448
Dynamics of rotating flexible structures by a method of quadratic modes
[DE91-009224] 13 p2101 N91-21565
SEGALMAN, DANIEL J.
PREGO: A simulation code for one-dimensional viscoelastic acoustics
[DE90-014859] 01 p0118 N91-10700
SEGERSTAHL, BORIS
Supervision of peat stockpiles using aerial thermography
[DE91-752966] 13 p2111 N91-21622
SEGLETES, STEVEN B.
Solution of the long rod penetration equations
[AD-A230156] 12 p1907 N91-20492
An analysis on the stability of the Mie-Gruneisen equation of state for describing the behavior of shock-loaded materials
[AD-A233827] 18 p3074 N91-26988
SEGNA, DONALD R.
Exploration mission enhancements possible with power beaming
[DE91-006718] 10 p1483 N91-18176
SEGRETO, E.
Protoflight approach to LAGEOS 2 environmental test campaign 07 p0950 N91-15213
SEGUCHI, TADAO
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
Operation and characteristics of very low temperature irradiation test equipment
[DE91-744834] 12 p1872 N91-20285
SEGUR, HARVEY
An asymptotic symmetry of the rapidly forced pendulum
[DE91-001868] 05 p0710 N91-13958
SEGURA, CLEMENT M.
An artificial neural network control system for spacecraft attitude stabilization
[AD-A232013] 15 p2389 N91-23225
SEGUROLA, PEDRO
Guided weapon simulation: The SBGL development experience 07 p1043 N91-15722
SEHGAL, A. K.
Investigation of nose bluntness and angle of attack effects on slender bodies in viscous hypertension flows
[NASA-CR-188153] 13 p2021 N91-21117
SEIBER, B. L.
Contamination effects of satellite material outgassing products on thermal surfaces and solar cells
[AD-A230199] 12 p1854 N91-20187
SEIBERL, WOLFGANG
Examination of debris from satellites with nuclear reactors: A comparison of different methods
[OEFZS-4541] 09 p1297 N91-17122
SEIBERT, JOHN F.
Composite fiber hazards
[AD-A233924] 18 p2939 N91-26211
SEIBERT, MICHAEL C.
Artificial neural networks for seismic data interpretation
[AD-A239673] 23 p3895 N91-31743
SEIBLE, FRIEDER
Comparison of NASTRAN analysis with ground vibration results of UH-60A NASA/AEFA test configuration
[NASA-CR-184565] 01 p0056 N91-10333
SEIBT, DIETER
Tools for the preparation, performance and evaluation of life sciences experiments 11 p1747 N91-19609
SEIDEL, A.
Oxidative procedure for activation of hydroxyl-containing polymeric carriers 14 p2295 N91-22690
SEIDEL, D. B.
A method for computing fields near the origin of a cylindrical coordinate system in time domain finite-difference electromagnetic simulations
[DE91-015431] 21 p3501 N91-29433
SEIDEL, DAVID A.
Transonic shock-induced dynamics of a flexible wing with a thick circular-arc airfoil
[NASA-TM-104088] 20 p3279 N91-28132
Experimental flutter boundaries with unsteady pressure distributions for the NACA 0012 Benchmark Model
[NASA-TM-104072] 20 p3280 N91-28137
SEIDEL, H.
Anisotropic etching of crystalline silicon in alkaline solutions. Part 1: Orientation dependence and behavior of passivation layers
[MBB-Z-0311-89-PUB-1-PT-1] 03 p0339 N91-11902

Anisotropic etching of crystalline silicon in alkaline solutions. Part 2: Influence of dopants
[MBB-Z-0311-89-PUB-2-PT-2] 03 p0339 N91-11903

SEIDEL, HELMUT
The mechanism of electrochemical and anisotropic silicon etching and its applications
[MBB-Z-0190-89-PUB] 03 p0350 N91-11952

SEIDENSTICKER, K. J.
The Coalsack: Interstellar dust and star formation
10 p1619 N91-18928

SEIDL, P.
A combined test facility for space research and technology 07 p0960 N91-15288

SEIDMAN, D. N.
Atomic structures and compositions of internal interfaces
[DE91-016095] 23 p3925 N91-31934

SEIDMAN, DAVID N.
Chemistry on an atomic scale of ion-beam modified surfaces
[AD-A233707] 18 p3058 N91-26891

SEIGEL, R. W.
Mechanical behavior of nanocrystalline Cu, Pd, and Ag samples
[DE91-011747] 18 p2955 N91-26310

SEIGNEURIC, A.
Continuous 24 hour ECG study, on ground and in flight, of 19 Mirage 2000 pilots stationed at the Dijon airbase (France). Comparison with similar recordings taken on other types of fighter aircraft or in operationally different conditions
[ETN-91-99973] 23 p3899 N91-31761

SEILER, DAVID G.
Two-photon absorption characterization of HgCdTe
[AD-A225086] 03 p0423 N91-12368

SEILER, ED
CRUSH: The NSI data compression utility
18 p3080 N91-27032

SEILER, F.
Velocity measurements in piston-induced turbulent boundary layers in a shock tube
[ISL-CO-235/89] 01 p0042 N91-10247
Particle additive effect on heat transfer caused by shock- and piston-induced turbulent boundary layer in shock tube
[ISL-CO-224/89] 03 p0366 N91-12048
Turbulent boundary layer influence on the flow field behind a shock wave in a shock tube
[ISL-CO-225/89] 03 p0366 N91-12049
Laser-Doppler velocimeter measurements of shock and piston induced turbulent boundary layer in a shock tube
[ISL-CO-227/89] 03 p0366 N91-12050
Tube erosion for 20 mm caliber at pressure up to 5000 bar: Analysis of the materials and their wear
[ISL-R-104/89] 04 p0506 N91-12807
The laser-Doppler-velocimeter for flow diagnostics: Density and velocity measurements in post-piston boundary layer flow
[ISL-CO-208/90] 12 p1899 N91-20442

SEILER, MANFRED
Utilization of Computer Aided Design (CAD)/Computer Aided Engineering (CAE) systems in an aircraft industrial plant
[MBB-UD-0583-90-PUB] 22 p3729 N91-30761

SEILER, WAYNE J.
A knowledge-base for rehabilitation of airfield concrete pavements
[AD-A239354] 23 p3799 N91-31191

SEIN, J. H.
Aerosol formation in atmospheric mixtures
[PB91-129114] 11 p1739 N91-19560

SEINER, JOHN M.
Instability of a supersonic shock free elliptic jet
[NASA-TM-103428] 05 p0615 N91-13413

SEINFELD, J. H.
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597

SEITTER, KEITH L.
Super-micro computer weather prediction model
[AD-A230063] 12 p1925 N91-20592

SEITZ, R. R.
Guidelines for acquisition, installation, and testing of performance assessment software
[DE91-013910] 20 p3387 N91-28764

SEITZ, W. R.
A membrane for in-situ optical detection of organic nitro compounds based on fluorescence quenching
[AD-A234071] 19 p3122 N91-27248

SEITZINGER, ALAN T.
Ventilation kinetics testing of a steel frame/rubber fabric underground shelter
[AD-A237469] 21 p3551 N91-29734

SEJNOWSKI, TERRENCE J.
Massively parallel network architectures for automatic recognition of visual speech signals
[AD-A226968] 06 p0869 N91-14805

SEKA, W.
Measurements of the ion acoustic decay instability and the resultant thermal and suprathermal electron heating in laser-plasma interaction experiments
[DE90-012477] 21 p3585 N91-29941

SEKANINA, ZDENEK
Nucleus model for periodic Comet Tempel 2
17 p2896 N91-26006
Randomization of particle motions and the observed morphology of cometary heads
17 p2896 N91-26007
Sublimation rates of carbon monoxide and carbon dioxide from comet nuclei at large distances from the Sun
17 p2896 N91-26008

SEKAR, B.
Computation of turbulent high speed mixing layers using a two-equation turbulence model
13 p2015 N91-21084
The direct simulation of high-speed mixing-layers without and with chemical heat release
13 p2017 N91-21095

SEKAR, R. R.
Cylinder pressure analysis of a diesel engine using oxygen-enriched air and emulsified fuels
[DE90-017660] 03 p0373 N91-12090
Technical and economic evaluation of diesel engine with oxygen enrichment and water injection
[DE90-009723] 08 p1157 N91-16373
Simulation studies of diesel engine performance with oxygen enriched air and water emulsified fuels
[DE91-006053] 09 p1348 N91-17404
Oxygen-enriched diesel engine performance: A comparison of analytical and experimental results
[DE91-006491] 11 p1714 N91-19440
Effects of oxygen enrichment and fuel emulsification on diesel engine performance and emissions
[DE91-016520] 24 p4027 N91-32506

SEKHAR, P. CHANDRA
Phase conjugation by degenerate four wave mixing in disodium fluorescein solution in methanol
19 p3270 N91-28087

SEKI, HAJIME
In situ FTIR study of the adsorption geometry of bisulfate ions on a platinum electrode
[AD-A229793] 12 p1866 N91-20250

SEKI, KATSUMI
Development of solid-lubricated ball-screws for use in space 16 p2641 N91-24617

SEKI, MUNEZO
Polarization and extinction by aligned grains
06 p0888 N91-14907
Alignment mechanisms of paramagnetic grains revisited 06 p0888 N91-14908

SEKI, R.
Theoretical research in intermediate-energy nuclear physics
[DE91-012720] 20 p3399 N91-28838

SEKIGUCHI, K.
The 1987 outburst of the recurrent nova V394 Coronae Austrinae 09 p1442 N91-17947

SEKIMOTO, Y.
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968

SEKULA-MOISE, P. A.
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935

SEKULER, ROBERT
Mechanisms of motion perception: Integration of direction, velocity, and space
[AD-A233340] 16 p2664 N91-24737

SEKULIC, SOJKA SONJA
Studies on the optimisation of mobile phase composition in reversed-phase liquid chromatography
09 p1307 N91-17171

SEKULOW, E.
Eastern Europe: Please stand by
[PB91-14336] 15 p2411 N91-23348

SELA, I.
Nonlinear optical absorption in intrinsic Stark effect superlattices
[DE90-016466] 01 p0130 N91-10767

SELAMET, A.
Mass transfer in oscillating flows: Efficient drying via pulse combustors
[PB90-242389] 01 p0040 N91-10235

SELBY, GREGORY
Experimental parametric study of jet vortex generators for flow separation control
[NASA-CR-187836] 08 p1144 N91-16296

SELCHOW, NICHOLAS J.
A distributed control and monitor system used in laser fusion research
[DE90-013478] 01 p0124 N91-10732

SELCOW, E. C.
A nuclear thermal rocket engine design based on the particle bed reactor suitable for a Mars mission
[DE91-016898] 24 p3967 N91-32160

SELDIN, JONATHAN
Romulus: A computer security properties modeling environment overview, volume 1
[AD-A236128] 22 p3723 N91-30717
Romulus: A computer security properties modeling environment. Volume 2A: The theory of security
[AD-A236129] 22 p3723 N91-30718
Romulus: A computer security properties modeling environment. Volume 2B: MATHESIS
[AD-A236130] 22 p3723 N91-30719

SELEE, STEVEN R.
Optical performance of exposed solar cell covers
16 p2721 N91-25072

SELF, CHARLES T.
An electron-beam dose deposition experiment: TIGER 1-D simulation code versus thermoluminescent dosimetry
[AD-A234507] 18 p2979 N91-26447

SELF, STEPHEN
Report of the panel on volcanology, section 4
13 p2106 N91-21593

SELIG, MICHAEL S.
An airfoil for general aviation applications
04 p0460 N91-12572

SELIG, W. S.
Potentiometric titration of gold, platinum, and some other precious metals
[DE91-008989] 13 p2049 N91-21276

SELL, F.
The ESOC Spacecraft Performance Evaluation System (SPES) 14 p2223 N91-22290

SELL, P. J.
Liquid motion in capillary tubes (TEXUS 3)
23 p3822 N91-31322
Liquid motion in capillary tubes (TEXUS 5)
23 p3822 N91-31323
Bubbles and foams (TEXUS 10) ESA
23 p3823 N91-31324

SELLA, I.
Photoabsorption modulation in GaAs: Ga(1-x)In(x) as strained-layer superlattices
[DE91-000440] 04 p0591 N91-13301

SELLE, J. E.
Calculation of intra-rare Earth binary phase diagrams
[DE91-014950] 21 p3474 N91-29267

SELLECK, COLIN B.
The Robotic Edge Finishing Laboratory
[DE91-000475] 04 p0513 N91-12850

SELLERS, C. H.
Substructure and electrical resistivity analyses of pure tungsten sheet
[DE91-014098] 20 p3317 N91-28362

SELLERS, M.
Outline of the Solar System: Activities for elementary students
[NASA-TM-104965] 17 p2890 N91-25975

SELLERS, W.
Summary of interim reports submitted by grantee organizations participating in the Federal Demonstration Project
[DE91-013938] 22 p3763 N91-30979

SELLERS, WILLIAM L., III
Detailed flow-field measurements over a 75 deg swept delta wing
[NASA-TP-2997] 10 p1456 N91-18030

SELLGREN, K.
Very small grains in the Milky Way and external galaxies 05 p0742 N91-14138

SELLGREN, KRIS
High-spectral resolution observations of the 3.29 micron emission feature: Comparison to QCC and PAHs
06 p0891 N91-14925
The spatial distribution of infrared radiation from visible reflection nebulae 06 p0892 N91-14931
Absorption features in the 3 micron spectra of highly obscured objects 06 p0898 N91-14965
The origin of micrograins 06 p0905 N91-15000

SELLIN, IVAN A.
Newly appreciated roles for electrons in ion-atom collisions
[DE91-000555] 02 p0269 N91-11509

SELMAN, J. ROBERT
Corrosion-resistant coatings for high-temperature high-sulfur activity applications
[DE90-016638] 01 p0030 N91-10177

SELMIN, V.
Inviscid calculations by an upwind finite element method of hypersonic flows over a double (simple) ellipse
[ETN-91-99776] 22 p3613 N91-30100
Inviscid calculations by an upwind finite element method of hypersonic flows over a double (single) ellipse
[ETN-91-99777] 22 p3613 N91-30101
Simulation of hypersonic flows on unstructured grids
[ETN-91-99778] 22 p3614 N91-30102
Vortical flow simulation by using structured and unstructured grids
[ETN-91-99509] 22 p3614 N91-30107
Numerical simulation of high speed compressible flows with upwind schemes on adapted unstructured grids
[ETN-91-99771] 22 p3678 N91-30477
SELOGIE, MARK
Forward looking wind shear detection program
16 p2553 N91-24148
SELTZER, ROBERT M.
Fundamentals and methods of high angle-of-attack flying qualities research
[AD-A235994] 19 p3104 N91-27151
SELVADURAI, U.
Use of neutron diffraction methods for the determination of mechanical stresses in metal ceramic laminated composite materials 05 p0638 N91-13537
SELVADURAY, G.
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
SELVAGGI, ALESSANDRO
Interfacial stability of lithium in non-aqueous gel polymer electrolyte cells
[AD-A229186] 09 p1330 N91-17303
SELVAGGINI, R.
Conditional sampling
[AAAF-NT-89-04] 23 p3784 N91-31099
SELVELLI, P. L.
A comparative study of B and Be stars in the UV: New evidence of a near-equatorial origin of the SiIV 1400 and C IV 1500 features in Be stars 09 p1434 N91-17896
SELVERIAN, J. H.
Analytical and experimental evaluation of joining silicon nitride to metal and silicon carbide to metal for advanced heat engine applications
[DE91-000535] 04 p0532 N91-12952
SEMBOKUYA, HIDEKI
Tension-tension and delamination fatigue properties of CF/Epoxy laminates 12 p1861 N91-20227
SEMENOV, B. KH.
Risk factors and prediction of syncopic states in flyers
18 p3022 N91-26685
SEMENOV, YU. P.
Buran and the future of the Soviet space program
08 p1100 N91-16037
SEMERARO, B. D.
Solution of the Navier-Stokes equations for a driven cavity
[NASA-CR-188008] 12 p1894 N91-20416
SEMIKOZ, V. B.
Sterile neutrinos and astrophysical and cosmological constraints on the parameters of the extended electroweak models 06 p0920 N91-15083
SEN, J. K.
Advanced technology landing gear. Volume 1: Design
[AD-A227196] 06 p0783 N91-14343
Advanced technology landing gear. Volume 2: Test
[AD-A227197] 06 p0783 N91-14344
SEN, R. K.
Catalysis-by-design impacts assessment
[DE91-013280] 23 p3809 N91-31247
SENA, J. T.
Demonstration of liquid metal/fabric heat pipes
[DE91-008584] 19 p3162 N91-27485
SENA, J. TOM
Review of liquid metal heat pipe work at Los Alamos
[DE91-004822] 07 p1002 N91-15503
SENARD, PASCAL
French SATCOM program and related international activities 24 p3956 N91-32102
SENDAULA, HENRY M.
Stabilization of large space structures by linear reluctance actuators 14 p2225 N91-22309
SENDEK, DAVID M.
Designing a virtual-memory implementation using the Motorola MC68010 16-bit microprocessor with multi-processor capability interfaced to the VMEbus
[AD-A232554] 15 p2481 N91-23730
SENECHAUD, PASCALE
Boolean Grobner bases, calculation methods. Applications and parallel processing
[ETN-90-98208] 06 p0863 N91-14768
SENENSIEB, DAVID H.
Performance tradeoff of MILSATCOM adaptive multibeam antennas 16 p2616 N91-24482
SENFT, A.
Engine maintainability: Objectives and methods
03 p0308 N91-11725
SENG, GARY T.
High temperature electronics
12 p1838 N91-20101
Fiber-optic-based controls 12 p1838 N91-20102
SENGERS, J. V.
Thermophysical properties of supercritical fluids and fluid mixtures
[DE91-015794] 21 p3602 N91-30041
SENGUPTA, S. K.
Analysis of stratocumulus cloud fields using LANDSAT imagery: Size distributions and spatial separations
01 p0085 N91-10504
SENHORST, HENRICUS ANTONIUS JOSEF
Etching studies in a multiple-beam surface experiment
[ETN-91-99168] 14 p2328 N91-22862
SENIOR, CONSTANCE L.
Oxygen production by pyrolysis of lunar regolith
17 p2903 N91-26033
SENS, ANNE-MARIE
Computation of unsteady transonic flows using an implicit centered Euler solver without artificial viscosity
[ONERA-NT-1990-8] 04 p0470 N91-12633
SENSBURG, O.
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 1: Fighter airplanes and helicopters 02 p0161 N91-10931
The integration of structural optimization in the general design process for aircraft
[MBB/FE122/S/PUB/0405] 08 p1096 N91-16017
SENSBURG, OTTO
Review of active structural control systems and flight test techniques for dynamic stability investigations
[MBB/FYT256/S/PUB/361/A]
02 p0182 N91-11025
Thirty years of structural dynamic investigations at MBB-UF
[MBB/FE2/S/PUB/0399] 04 p0480 N91-12676
SENSENBRENNER, F. JAMES, JR.
National Aeronautics and Space Administration Multiyear Authorization Act of 1991
18 p3083 N91-27046
SENSHARMA, DILIP K.
The mixed metallic-ionic clusters of the silver/silver iodide
[AD-A237883] 21 p3482 N91-29314
The relative stability and possible structural formulae of the negatively charged silver monoiodide clusters
[AD-A238398] 21 p3576 N91-29888
SENSMEIER-OLEKSUK, LYNDA LEE
The influence of time-dependent material behavior on the response of sandwich beams
[NASA-CR-188029] 14 p2274 N91-22577
SENTMAN, D. D.
ELF detection of energetic particle precipitation
[AD-A230632] 12 p1887 N91-20375
Electrostatic fields in a dusty Martian environment
18 p3089 N91-27078
SENTURIA, STEPHEN D.
Mechanical properties of microelectronics thin films: Silicon nitride (Si3N4)
[AD-A225394] 03 p0425 N91-12379
Mechanical properties of microelectronics thin films: Silicon dioxide (SiO2)
[AD-A225395] 03 p0425 N91-12380
Viscoelasticity and creep recovery of polyimide thin films
[AD-A225475] 04 p0506 N91-12811
Plastic deformation of highly doped silicon
[AD-A225476] 04 p0506 N91-12812
SENYITKO, RICHARD G.
Rotating pressure measurement system using an on board calibration standard
[NASA-TM-103676] 11 p1707 N91-19401
SEO, Y.
Transverse klystron
[AD-A231586] 13 p2077 N91-21444
SEO, YONG S.
Comparison of slotline characteristics
[AD-A236685] 19 p3230 N91-27857
SEOL, KYEONGWON
Microstructural effects on the residual stress and stress distribution in WC-Ni composites
16 p2588 N91-24342
SEOL, S. Y.
Minimization of refrigeration power requirements for mechanical supports in cryogenic systems
[DE91-015720] 21 p3495 N91-29392
SEPANIAK, MICHAEL J.
Capillary liquid chromatography using laser-based and mass spectrometric detection
[DE91-004887] 10 p1496 N91-18234
Construction and evaluation of a regenerable flouroimmunochemical-based fiber optic biosensor
[DE91-004886] 10 p1596 N91-18807
SEPANSKI, R. J.
TRENDS '90: A compendium of data on global change
[DE91-000587] 07 p1026 N91-15632
Atmospheric methane concentrations: The NOAA/CMDL global cooperative flask sampling network, 1983 - 1988
[DE91-014942] 21 p3539 N91-29664
SEPIOL, B.
Characteristic x rays method for detecting cold fusion
[DE91-619982] 13 p2157 N91-21890
SEPKOSKI, J. JOHN, JR.
The fossil record of evolution: Data on diversification and extinction
[NASA-CR-187253] 07 p1022 N91-15608
SEPPALA, LYNN G.
Use of dome (meniscus) lenses to eliminate birefringence and tensile stresses in spatial filters for the Nova laser
[DE91-002784] 05 p0667 N91-13707
The design and construction of an Automated Multi-Object Spectroscopy system (AMOS)
[DE90-011497] 08 p1109 N91-16088
Low-cost, high-resolution telescopes for imaging low-earth orbit satellites
[DE90-012081] 08 p1243 N91-16850
SEPRI, PAAVO
Computational analysis of flow in 3D propulsive transition ducts 04 p0600 N91-13341
SERABIAN, STEVEN M.
An experimental and finite element investigation into the nonlinear material behavior of pin-loaded composite laminates
[AD-A232098] 15 p2395 N91-23263
SERAFIM, P.
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
SERAFIN, D.
A real scale simulator for high frequency LEMP
24 p4063 N91-32700
A theoretical analysis of the electromagnetic environment of the AS330 super Puma helicopter external and internal coupling 24 p4063 N91-32701
SERAFIN, R.
Study on observational systems: A review of meteorological and oceanographic education in observational techniques and the relationship to national facilities and needs
[PB91-198168] 24 p4070 N91-32739
SERAFINO, KAREN M.
VHSIC Hardware Description Language (VHDL) benchmark suite
[AD-A231276] 13 p2136 N91-21761
SERAJI, HOMAYOUN
Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU]
13 p2097 N91-21544
Obstacle avoidance for redundant robots using configuration control
[NASA-CASE-NPO-17852-1-CU]
15 p2489 N91-23783
SERAPHINE, KATHLEEN M.
Rule-based simulation models
12 p1944 N91-20694
SERAYDARIAN, R. P
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888
SERAYDARIAN, R. P.
High spatial and temporal resolution visible spectroscopy of the plasma edge in DIII-D
[DE91-002718] 05 p0721 N91-14023
Spectroscopic study of edge poloidal rotation and radial electric fields in the DIII-D tokamak
[DE91-002706] 09 p1401 N91-17710
SERBER, A. V.
Radiation-driven diskons as a new astrophysical object 06 p0923 N91-15105
SERCEL, JOEL C.
Industrializing the near-earth asteroids: Speculations on human activities in space in the latter half of the 21st century 14 p2199 N91-22141
SERDUKE, F.
X ray fiducial foils
[DE91-011193] 20 p3348 N91-28542
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252
SERDUKE, F. J.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910

SERFOZO, RICHARD F.
Summary of recent research accomplishments on stochastic network processes
[AD-A228952] 09 p1388 N91-17633
SERLIN, V.
Simulation studies of a klystronlike amplifier operating in the 10 to 100 GW regime
[AD-A229858] 12 p1891 N91-20398
High power klystron amplifier
[AD-D014862] 18 p2979 N91-26448
SEROV, I.
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619
SEROVA, L. V.
A comparative study of seminiferous tubular epithelium from rats flown on Cosmos 1887 and SL3
19 p3266 N91-28064
SERRA, G.
The 3.3 micron emission feature: Map of the galactic disk, 10 deg less than 1 less than 35 deg, - 6 deg less than b less than 6 deg 06 p0892 N91-14928
SERVRANCKX, LUC
Microgravity experiment design
14 p2213 N91-22224
SERWATOWSKA, J.
Preparation of unsymmetrically B-substituted borazines and characterization of tris(4,6-diethylborazin-2-yl)amine
[AD-A235571] 19 p3123 N91-27254
SERWATOWSKI, J.
Preparation of unsymmetrically B-substituted borazines and characterization of tris(4,6-diethylborazin-2-yl)amine
[AD-A235571] 19 p3123 N91-27254
SESAK, JOHN R.
Coupled Riccati equations for complex plane constraint 14 p2227 N91-22315
SESHADRI, K.
Instrumentation for ASE experiments in the dynamic wind tunnel
[PD-FC-9112] 21 p3462 N91-29197
SESHADRI, KALYANASUNDARAM
Mechanisms of combustion of hydrocarbon/alcohol fuel blends
[AD-A230709] 12 p1866 N91-20255
SESSLER, A. M.
Simulation of a standing-wave free-electron laser
[DE91-007330] 11 p1710 N91-19418
Phase stability of a standing-wave free-electron laser
[DE91-008068] 11 p1712 N91-19427
SESSLER, ANDREW M.
Some nonlinear problems in the manipulation of beams
[DE91-005211] 08 p1154 N91-16358
SESTOKASFILHO, B.
Monitoring of water masers from IRAS sources
[INPE-5055-PRE/1588] 03 p0389 N91-12166
SETAYESH, A.
One-dimensional analysis of a radial source flow of water particles into a vacuum
[AD-A230729] 12 p1897 N91-20431
A parametric study of the release of CO2 in space
[AD-A236271] 19 p3108 N91-27172
SETH, JAYSHREE
Influence of convection on microstructure
[NASA-CR-186996] 04 p0503 N91-12795
Effect of convection on the microstructure of a lamellar eutectic growing with a stepped interface
[NASA-CR-187943] 10 p1499 N91-18250
SETH, VINAY K.
Transpiration cooled ultraviolet sol-gel silica optics
[AD-A235426] 18 p3065 N91-26934
SETHURAMAN, J.
A mixed limit theorem for stable random fields
[AD-A238222] 21 p3568 N91-29840
SETHURAMAN, JAYARAM
A study of the role of modules in the failure of systems
[AD-A225811] 04 p0533 N91-12959
Singularities in Gaussian random fields
[AD-A238220] 21 p3568 N91-29839
SETIO, SANGRIYADI
Behavior of nonlinear mechanical structures subjected to stationary excitations
[ECL-91-01] 23 p3885 N91-31681
SETOGUCHI, O.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography
[DE91-727527] 06 p0806 N91-14451
SETSER, DARRELL M.
Slope reinforcement design using geotextiles and geogrids
[AD-A226113] 04 p0513 N91-12849
SETTELS, J. J.
Blood pressure regulation in parabolic flight
11 p1741 N91-19575
SETTLE, R. G.
Metabolism of nonessential N15-labeled amino acids and the measurement of human whole-body protein synthesis rates 17 p2820 N91-25583
SETTLES, GARY S.
Hypersonic shock/boundary-layer interaction database
[NASA-CR-187769] 08 p1090 N91-15986
Supersonic mixing enhancement by vorticity for high-speed propulsion
[NASA-CR-188920] 24 p3950 N91-32079
An experimental study of fluctuating pressure loads beneath swept shock/boundary-layer interactions
[NASA-CR-188919] 24 p3950 N91-32080
SETZER, ANDREW
Effects of water on the strength of Zerodur
[NASA-TM-103535] 16 p2604 N91-24430
SEVE, ALAIN
Indirect imaging through the atmosphere
[ESA-TT-1115] 24 p4121 N91-33034
SEVERANCE, JOHN D.
Proposed design of a tactical reconnaissance satellite system
[AD-A230471] 12 p1854 N91-20191
SEVERANCE, P. S.
Measurement of high-voltage and radiation-damage limitations to advanced solar array performance
22 p3637 N91-30236
SEVERING, A.
Magnetic structures of actinide materials by pulsed neutron diffraction
[DE91-000373] 08 p1109 N91-16093
SEVERNS, JAMES
Strategy in space flight experiments
11 p1673 N91-19220
SEVERT, C. W.
The 2nd Workshop on High Temperture Electronics (Metallization and Packaging)
[DE91-014332] 21 p3503 N91-29442
SEVERUD, L. K.
Pre-test analysis of a pipe system for high-level vibration response and failure
[DE91-010835] 17 p2791 N91-25441
SEVINSKY, T. P.
SAFENET 2 fiber optic implementation study
[AD-A238044] 21 p3582 N91-29929
SEWALL, WILLIAM G.
Laminar-flow wind tunnel experiments
16 p2551 N91-24136
SEWERSKY, R. A.
Mechanical component diagnostic system
[AD-A232126] 15 p2375 N91-23146
SEXTON, DOUGLAS A.
Responsivity uniformity enhancements for Backside-Illuminated Charge-Coupled Devices (BICCDs) by excimer laser-assisted etching
[AD-A237435] 21 p3595 N91-29997
SEXTON, F. W.
Statistical process control for QML (Qualified Manufacturer's List) radiation hardness assurance
[DE90-007413] 08 p1161 N91-16394
Field dependence of interface trap buildup in Si-gate MOS devices
[DE90-007679] 09 p1409 N91-17752
Application of the nuclear microprobe to the imaging of single event upsets in integrated circuits
[DE91-014701] 21 p3504 N91-29447
SEXTON, GEORGE A.
Diverter decision aiding for in-flight diversions
[NASA-CR-182070] 04 p0480 N91-12677
SEXTON, J. ANDREW
Vibration and thermal vacuum qualification test results for a low-voltage tungsten-halogen light
[NASA-CR-187050] 11 p1693 N91-19325
SEYBERT, A. F.
Acoustical analysis of gear housing vibration
[NASA-TM-103691] 17 p2785 N91-25411
SEYBOLDT, W.
Development and application of the test data analysis and monitoring software DIANA
07 p0959 N91-15279
SEYFERTH, DIETMAR
Silicon ceramics with a dash of boron
[AD-A236410] 19 p3142 N91-27363
SEYLER, C. E.
A mathematical model of the structure and evolution of small scale discrete auroral arcs
[NASA-CR-187238] 01 p0124 N91-10734
SEYMOUR, DAVE
STS-35 scrub 3 hydrogen leak analysis
[NASA-TM-103548] 22 p3628 N91-30188
SEYMOUR, P. D.
Disjoint paths in a planar graph: A general theorem
[CWI-BS-R9012] 10 p1583 N91-18718
Disjoint cycles in directed graphs on the torus and the Klein bottle
[CWI-BS-R9013] 10 p1583 N91-18719
A simpler proof and a generalization of the zero-trees theorem
[CWI-BS-R9015] 10 p1583 N91-18721
SEYMOUR, PENNY
The synthesis of monometallated and unsymmetrically substituted binuclear phthalocyanines and a pentanuclear phthalocyanine by solution and polymer support methods
[AD-A225363] 03 p0345 N91-11934
SEYWALD, HANS
Optimal control problems with switching points
17 p2840 N91-25694
Optimal control problems with switching points
[NASA-CR-4393] 24 p3965 N91-32155
SEZE, GENEVIEVE
Structures observed on the spot radiance fields during the FIRE experiment 01 p0085 N91-10503
SEZEN, Y.
A model of multicomponent droplet evaporation with liquid phase reactions
[DE90-012535] 21 p3472 N91-29257
SHA, LUI
Implementing sporadic servers in Ada
[AD-A226723] 08 p1198 N91-16584
Rate monotonic analysis for real-time systems
[AD-A235641] 19 p3219 N91-27794
SHA, W. T.
Implementation of the flow-modulated skew-upwind difference scheme in the COMMIX-1C code: A first assessment
[DE91-011168] 18 p2986 N91-26489
SHAARAWI, A. M.
Localized waves in complex environments
[DE91-011934] 20 p3334 N91-28462
SHABAZZ, ABDULALIM A.
Choice of gauge in 2-photon 1s-2s transition in atomic hydrogen and pseudostate expansions
17 p2880 N91-25927
SHABBIR, AAMIR
Advances in modeling the pressure correlation terms in the second moment equations
[NASA-TM-104413] 16 p2623 N91-24525
SHABUROV, V. A.
Double 4f-collapse in Ce(0.9-x)Yb(x)Th(0.1)
[DE91-619752] 13 p2160 N91-21908
SHACKELFORD, J. F.
Design of a triaxial residual stress measurement system using high-energy x ray diffraction
[DE90-016212] 01 p0056 N91-10331
SHADID, JOHN N.
Iterative methods for nonsymmetric systems on MIMD machines
[DE91-002780] 09 p1375 N91-17554
SHADMAN, F.
Production of oxygen from lunar ilmenite
16 p2593 N91-24367
Production of oxygen from lunar ilmenite
17 p2748 N91-25206
Production of oxygen from lunar ilmenite
17 p2752 N91-25229
Reaction engineering for materials processing in space: Reduction of ilmenite by hydrogen and carbon monoxide
17 p2903 N91-26035
SHADMON, G.
Real time estimation of aircraft angular attitude
[IAITIC-87-1004] 15 p2369 N91-23107
SHAFARMAN, W. N.
Materials analysis and device optimization of CuInSe2 solar cells
[DE90-000365] 01 p0064 N91-10384
SHAFARMAN, WILLIAM N.
Fundamentals of polycrystalline thin film materials and devices
[DE91-002130] 10 p1608 N91-18874
SHAFER, MARY F.
Initial flight test of a ground deployed system for flying qualities assessment
[NASA-TM-101700] 07 p0945 N91-15182
SHAFER, R. A.
XSPEC: An x ray spectral fitting package. Version 2 of the user's guide
[NASA-TM-105007] 22 p3732 N91-30776
SHAFER, ROBERT E.
Diagnostics for high-brightness beams
[DE91-001865] 05 p0666 N91-13701
SHAFER, WILLIAM J. E.
Analyses of a coproduction acquisition strategy for the Light Helicopter program (LH)
[AD-A226109] 04 p0483 N91-12588
SHAFER, YE. YU.
Results from study of x ray pulsars by Astron Observatory 22 p3625 N91-30172

SHAFFER, BRAD L.
Analysis of space radiation effects in gallium arsenide and cadmium selenide semiconductor samples using luminescence spectroscopic techniques
[AD-A230684] 12 p1991 N91-20958
SHAFFER, P. W.
Predicting and forecasting surface water acidification: A plan for assessing data aggregation effects
[PB91-182451] 22 p3703 N91-30609
SHAFFER, S. J.
Textural characterization and its applications on zinc electrogalvanized steels
[DE91-000354] 03 p0341 N91-11914
Micromechanisms of friction in electrogalvanized sheet steel with emphasis on the role of texture
[DE91-009113] 13 p2052 N91-21290
SHAFI, Q.
Particle theory and cosmology
[DE91-017730] 24 p4122 N91-33041
SHAFRANEK, D.
Handling qualities guidelines for the design of fly-by-wire flight control systems for transport aircraft
15 p2371 N91-23119
SHAFRY, N.
Particulate ceramic matrix composites for high strain-rate performance
[AD-A229364] 22 p3642 N91-30269
SHAGAM, R. N.
Measurements of passive-scalar spectra for grid turbulence using a nonlinear optical technique
[DE91-005310] 15 p2507 N91-23892
SHAGNEA, ANITA M.
GCS programmer's manual
[NASA-TM-102721] 09 p1384 N91-17612
SHAH, ASHWIN R.
Simulation of probabilistic wind loads and building analysis
[NASA-TM-103744] 15 p2446 N91-23549
SHAH, B.
Open-loop frequency acquisition for suppressed-carrier biphase signals using one-pole arm filters
10 p1512 N91-18324
Symbol lock detection in the ARX 2 and Block 5 receivers 24 p3985 N91-32261
SHAH, HANIFA UNISA
The implementation of a functional query language front-end to a relational database system, volumes 1 and 2 09 p1420 N91-17816
SHAH, SAURIN
The 28-entity IGES test file results using ComputerVision CADDS 4X
[NASA-CR-187402] 04 p0559 N91-13099
Recreation of the 28-entity IGES test file using the ComputerVision CADDS 4X
[NASA-CR-187403] 04 p0559 N91-13100
SHAH, SURENDRA P.
Workshop proceedings: Toughening Mechanisms in Quasi-Brittle Materials
[AD-A238289] 21 p3470 N91-29248
SHAH, TASNEEM MOHAMMAD
Analysis of the multigrid method
15 p2422 N91-23418
SHAH, V. M.
Monte Carlo simulation of supercritical solutions in the grand canonical ensemble
[DE91-009152] 15 p2502 N91-23859
SHAHABASYAN, K. M.
On the braking mechanisms of pulsars
06 p0921 N91-15090
SHAHANI, H.
Macrosegregation in Ag-Sn alloys (MASER 1)
23 p3838 N91-31402
Directional solidification of Al-Cu alloys (MASER 2)
23 p3838 N91-31403
Directional solidification of immiscible alloys Zn-Pb (MASER 2) 23 p3841 N91-31421
SHAHBAGIAN, R. R.
Modelling of multidimensional quantum systems by the numerical functional integration
[DE91-007051] 10 p1589 N91-18763
SHAHIDI, ANOOSH
Space Communications Artificial Intelligence for Link Evaluation Terminal (SCAILET)
14 p2317 N91-22796
SHAHINPOOR, M.
Effect of equations of state on transient burning analysis of pyrotechnic materials in a closed system
[DE91-009167] 13 p2050 N91-21280
SHAHINPOOR, MO
A novel design for a hybrid space manipulator
12 p1935 N91-20644
Deployable robotic woven wire structures and joints for space applications 12 p1938 N91-20662
Dynamic stability of flexible robot manipulators
[AD-A234297] 18 p2994 N91-26533
SHAHSHAHANI, M.
Algebraic geometric codes 10 p1511 N91-18318
Planetary ephemerides approximation for radar astronomy 10 p1513 N91-18326
Recent advances in coding theory for near error-free communications 15 p2540 N91-24068
SHAIK, K.
Spectral filters for laser communications
24 p3984 N91-32257
SHAIKH, NISAR
Surface acoustic wave technique for craze detection and stress measurement of aircraft transparencies
[AD-A235943] 22 p3690 N91-30543
SHAING, K. C.
The role of the radial electric field in producing confinement enhancement in tokamaks
10 p1598 N91-18816
SHAIR-ALI, S.
Performance analysis of a dynamic query processing scheme
[CWI-CS-R9050] 17 p2833 N91-25658
SHAKED, U.
A simple solution to the singular linear minimum-variance estimation problem
[IAITIC-87-1002-REV] 15 p2493 N91-23804
SHAKHOV, YE. M.
Oscillations of a small-mass satellite probe caused by aerodynamic and gravitational forces
18 p2930 N91-26165
SHAKIN, C. M.
Particle production through two-photon processes in relativistic heavy-ion colliders
[DE91-016221] 23 p3925 N91-31931
SHAKKOTTAI, P.
Spray combustion modeling and evaluation
[NASA-CR-187887] 08 p1107 N91-16078
Spray combustion modeling and evaluation
[DE91-007923] 13 p2047 N91-21264
SHAKOCIUS, AARON M.
Refurbishing AV-8 on-board oxygen generation system beds
[AD-A235083] 18 p2925 N91-26136
SHAKULA, A. V.
Effect of job load on functional state of naval flight personnel 19 p3210 N91-27741
SHAKURA, N. I.
Thirty-five-day cycle of Her X-1: Synthesised optical light curves in the model of freely processing neutron star
06 p0921 N91-15089
On the nature of cosmic gamma ray bursts
06 p0922 N91-15098
The optical observations of x ray Nova GS2023+33 = V404 Cyg 06 p0923 N91-15103
SHAKURA, N. N.
On the nature of cosmic gamma ray bursts
06 p0922 N91-15098
SHALAEV, VALDIMIR M.
Field work and dispersion relations of excitations on fractals
[AD-A234953] 18 p2980 N91-26455
SHALIS, EDWARD
ADRPM-VII applied to the long-range acoustic detection problem 08 p1215 N91-16689
SHALKHAUSER, K. A.
System-Level Integrated Circuit (SLIC) development for phased array antenna applications
[NASA-TM-104392] 15 p2412 N91-23354
Submicron gate InP power MISFET's with improved output power density at 18 and 20 GHz
18 p2977 N91-26436
SHALKHAUSER, KURT A.
Universal nondestructive mm-wave integrated circuit test fixture
[NASA-CASE-LEW-14746-1] 06 p0824 N91-14552
A three-dimensional finite-element thermal/mechanical analytical technique for high-performance traveling wave tubes
[NASA-TP-3081] 19 p3154 N91-27436
SHALKHAUSER, M. J.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405
SHALKHAUSER, MARY J.
Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] 05 p0648 N91-13598
SHALKHAUSER, MARY JO
Digital CODEC for real-time processing of broadcast quality video signals at 1.8 bits/pixel
15 p2539 N91-24067
SHALLENBERGER, KURT
Connectivity alternatives for remote users of the Maintenance Processor Subsystem (MPS)
[DOT/FAA/CT-90/16] 05 p0700 N91-13900
SHALTENS, RICHARD K.
Solar powered Stirling cycle electrical generator
14 p2360 N91-23054
Status of the advanced Stirling conversion system project for 25 kW dish Stirling applications
[NASA-TM-104528] 22 p3770 N91-31023
SHALVI, OFIR
New approaches in blind equalization
[ITN-90-85057] 07 p0997 N91-15473
SHAMES, P.
Using HST: From proposal to science
18 p3079 N91-27023
SHAMMA, S.
Micro SAINT modeling of physiological and human performance in the heat
[AD-A238659] 21 p3549 N91-29719
SHAMMA, SHIHAB
Signal processing and recognition in adaptive neural networks
[AD-A226828] 07 p1035 N91-15677
SHAN, X.
Raman spectral observation of a new phase observed in nickel electrodes cycled to failure
24 p4037 N91-32556
SHANAHAN, DENNIS F.
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 2
[AD-A232907] 16 p2557 N91-24187
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 1
[AD-A233349] 16 p2558 N91-24188
SHANAZAROV, A. S.
Effects of high temperature and humidity on mental state and metabolism 11 p1741 N91-19571
SHANEYFELT, M. R.
Hole-trapping/hydrogen transport (HT sup 2) model for interface-trap buildup in MOS devices
[DE91-000020] 07 p0998 N91-15480
Statistical process control for QML (Qualified Manufacturer's List) radiation hardness assurance
[DE90-007413] 08 p1161 N91-16394
Field dependence of interface trap buildup in Si-gate MOS devices
[DE90-007679] 09 p1409 N91-17752
The 1/F noise in n- and p-channel MOS devices through irradiation and annealing
[DE91-008176] 19 p3250 N91-27977
Comparison of low-energy x ray and cobalt-60 irradiations of MOS devices as a function of gate bias
[DE91-008174] 22 p3759 N91-30953
SHANG, J.-K.
Modeling of micromechanisms of fatigue and fracture in hybrid materials
[AD-A225042] 03 p0381 N91-12126
SHANKAR, ANURAG
A theoretical study of problems in classical nova evolution 04 p0608 N91-13384
SHANKAR, N.
Mechanical proofs of fault-tolerant clock synchronization 09 p1378 N91-17574
SHANKAR, NATARAJAN
Mechanical verification of a schematic Byzantine clock synchronization algorithm
[NASA-CR-4386] 19 p3233 N91-27873
SHANKAR, RENUKA
Army-NASA aircrew/aircraft integration program (A3I) software detailed design document, phase 3
[NASA-CR-177557] 11 p1771 N91-19714
SHANKAR, U.
Modal aerosol dynamics modeling
[PB91-161729] 18 p3006 N91-26598
SHANKLAND, T. J.
Quantitative modeling of the point defect structures of Fe-doped MgO and MgSiO3 perovskite
[DE91-011405] 20 p3424 N91-28990
SHANLEY, J. H., JR.
Manual fire suppression methods on typical machinery space spray fires
[AD-A225311] 03 p0349 N91-11950
SHANNON, DAVID T., JR.
Dynamic and control assessment of the Space Station Freedom payload pointing system
[NASA-TM-101667] 13 p2041 N91-21225
SHANNON, JENIFER M.
The 270 volt direct current generator performance evaluation
[AD-A236946] 19 p3160 N91-27472
SHANNON, JOHN L., JR.
Analysis of some compliance calibration data for chevron-notch bar and rod specimens
[NASA-TM-104367] 14 p2277 N91-22594

SHANNON, R. R.
Research in optical sciences
[AD-A230964] 13 p2154 N91-21875
SHANNON, ROBERT R.
Center for thin film studies
[AD-A237457] 21 p3595 N91-29999
SHANNY, R.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
SHANNY, RAMY A.
Artificial Ionospheric Mirrors (AIM). A: Concept and issues 10 p1550 N91-18525
Physics of RF breakdown for AIM applications 10 p1550 N91-18526
Electrojet modulation ELF communications 10 p1554 N91-18546
SHAO-BO, YU
An application of quantum theory to neural network 17 p2842 N91-25707
SHAO, MIKE
Low-cost, high-resolution telescopes for imaging low-earth orbit satellites
[DE90-012081] 08 p1243 N91-16850
SHAO, WEN JIAO
The elastoplastic buckling strength of imperfect hemispheres and their reliability 22 p3693 N91-30560
SHAO, X. M.
Observations of lightning processes using VHF radio interferometry 24 p4062 N91-32695
SHAPIRA, D.
Toward a unified dynamic model for heavy ion reactions: Exclusive measurements of Br + Al and Ni + Mg at incident energies near 10 MeV/amu
[DE91-011374] 17 p2862 N91-25828
SHAPIRO, A. B.
TOPAZ2D heat transfer code users manual and thermal property data base
[DE91-000075] 02 p0214 N91-11195
PALM2D: A nonlinear finite element program for the coupled thermomechanical response of solids in two dimensions
[DE91-008423] 13 p2105 N91-21584
TOPAZ2D planetary boundary condition
[DE91-011513] 17 p2777 N91-25371
TOPAZ2D benchmark problems nonlinear materials
[DE91-009753] 20 p3434 N91-29053
SHAPIRO, ARTHUR N.
REMAP: A computer code that transfers node information between dissimilar grids
[DE91-000073] 03 p0401 N91-12229
SHAPIRO, G.
Automatic tracking of the intersection of a laser and electron beam
[DE91-007740] 10 p1531 N91-18434
SHAPIRO, JEFFREY H.
Multipixel multidimensional laser radar system theory
[AD-A238110] 21 p3524 N91-29573
SHAPIRO, M. A.
Fronts, jet streams, and the tropopause
[PB90-268277] 09 p1368 N91-17517
SHAPIRO, M. J.
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
SHAPIRO, PAUL R.
Biased galaxy formation in the neutrino scenario 15 p2498 N91-23839
SHAPIRO, RUTH
Hartstone benchmark results and analysis
[AD-A226817] 08 p1198 N91-16587
Hartstone benchmark user's guide, version 1.0
[AD-A235740] 19 p3220 N91-27800
SHAPIRO, S. C.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
SHAPIRO, STEPHEN L.
Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
Performance measurements of hybrid PIN diode arrays
[DE90-010308] 08 p1232 N91-16790
SHAPIRO, STUART C.
Northeast Artificial Intelligence Consortium (NAIC). Volume 2: Discussing, using, and recognizing plans
[AD-A234881] 18 p3046 N91-26816
Northeast Artificial Intelligence Consortium (NAIC). Volume 3: The Versatile Maintenance Expert System (VMES)
[AD-A234882] 18 p3046 N91-26817
SHAPIRO, V. D.
Wave collapse at lower hybrid resonance 06 p0919 N91-15073
SHARBAUGH, R. C.
Users manual for aerospace nuclear safety program six-degree-of-freedom reentry simulation (TMAGRA6C)
[DE91-005925] 10 p1489 N91-18207
SHARE, G. H.
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
SMM observations of interstellar Al-26
[AD-A236222] 19 p3264 N91-28055
SHARF, YARON
MIK-guided bomb simulation
[IAITIC-87-1003] 15 p2409 N91-23337
SHARGELASHVILI, S. T.
On the primary cosmic ray nuclei spectra behaviour in the 10(exp 16) eV energy region 06 p0919 N91-15069
SHARIR, MICHA
Implementation and experimentation with motion planning algorithms
[AD-A228278] 08 p1203 N91-16612
SHARKEY, MIKE
PFERD Mission: Pluto flyby exploration/research design 08 p1101 N91-16046
SHARMA, D. K.
High-temperature superconductors: Their potential for utility applications
[DE90-009704] 01 p0128 N91-10757
SHARMA, DINKBAR
Predicting performance breakdown in pilots through objective measures of stress sensitivity
[AD-A237540] 21 p3550 N91-29725
SHARMA, PANKAJ
The Cl-36 in the stratosphere 17 p2794 N91-25459
SHARMA, PRASANTA
The 3-(bromoacetamido)-propylamine hydrochloride: A novel sulfhydryl reagent and its future potential in the configurational study of S1-myosin 19 p3269 N91-28083
SHARMA, R. P.
An ion-channeling study of irradiation-induced amorphization of YBa2Cu3O(7-x)
[DE91-004488] 06 p0884 N91-14884
Ion-channeling study of anomalous atomic displacements at the superconducting transition in high-Tc materials
[DE91-004408] 07 p1073 N91-15904
SHARMA, S.
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981
SHARMA, SHIV K.
Applications of advanced multichannel laser raman spectroscopy to problems in marine chemistry
[AD-A235504] 19 p3171 N91-27533
SHARP, D.
Pressure vessel burst test program
[AD-A237845] 21 p3532 N91-29624
SHARP, D. J.
Electrophoretic dielectric coatings for magnetic switches
[DE91-015337] 23 p3859 N91-31518
SHARP, DAVID W.
Three initial climatological studies for Melbourne, Florida: A first step in the preparation for future operations
[PB91-100222] 09 p1358 N91-17463
SHARP, DONALD J.
New capabilities and applications for electrophoretically deposited coatings
[DE91-004512] 07 p0985 N91-15409
SHARP, G. RICHARD
Designs for the ATDRSS tri-band reflector antenna
[NASA-TM-103754] 12 p1853 N91-20184
A new fabrication method for precision antenna reflectors for space flight and ground test
[NASA-TP-3078] 13 p2034 N91-21185
A three-dimensional finite-element thermal/mechanical analytical technique for high-performance traveling wave tubes
[NASA-TP-3081] 19 p3154 N91-27436
SHARP, J. H.
Oceanographic data report Number 8: Density profiles from the Delaware Estuary, October 1986 - September 1988
[PB91-183608] 21 p3547 N91-29707
SHARP, JOHN K.
Experience with more productive information systems design at Sandia National Laboratories
[DE91-005237] 10 p1613 N91-18901
SHARP, N. A.
An atlas of mixed-morphology pairs 08 p1246 N91-16866
SHARP, PAUL R.
Late transition metal (mu)-oxo and (mu)-imido complexes
[DE91-005349] 11 p1682 N91-19267
SHARP, TOM
Thermal degradation chemistry of poly(diphenoxy phosphazene)
[AD-A235284] 18 p2951 N91-26282
SHARP, W. M.
Simulation of a standing-wave free-electron laser
[DE91-007330] 11 p1710 N91-19418
Phase stability of a standing-wave free-electron laser
[DE91-008068] 11 p1712 N91-19427
SHARPE, L. H.
Tiled raster graphics and MIL-R-28002A: A tutorial and implementation guide
[PB91-187708] 22 p3727 N91-30746
SHARPE, MATTHEW MICHAEL
The distribution of wave heights and periods for seas with unimodal bimodal power density spectra
[AD-A227040] 06 p0851 N91-14696
SHARPE, MAX H.
Improved sprayable lightweight ablative coating
[NASA-CASE-MFS-28372-1] 16 p2604 N91-24426
SHARPE, P. H. G.
Intercomparison of standards of absorbed dose between the USSR and the UK
[NPL-RSA(EXT)-17] 24 p4094 N91-32874
SHARPE, STEPHEN R.
Status of lattice field theory calculations
[DE91-001141] 05 p0726 N91-14057
SHARPS, P.
Ion-assisted doping of 2-6 compounds during physical vapor deposition
[DE90-000358] 01 p0128 N91-10756
SHARPTON, VIRGIL L.
Scientific results of the NASA-sponsored study project on Mars: Evolution of volcanism, tectonics, and volatiles
[NASA-CR-188056] 14 p2347 N91-22984
SHARVIT, MOSHE
Queueing systems with orbiting customers
[ITN-91-85112] 18 p3054 N91-26868
SHASKHOV, V. S.
Pharmacological regulation of physiological functions in space medicine 10 p1560 N91-18580
SHASTRI, PRAJVAL
Orientation effects in the x ray emission from radio-loud quasars 09 p1445 N91-17968
Orientation effects in the optical-ultraviolet emission from radio quasars 09 p1445 N91-17969
SHATS, SAMUEL
Discrete-time filtering of linear continuous-time processes
[ITN-91-85097] 12 p1891 N91-20396
SHAU, YIOWHA RICHARD
Experimental study of growth rate enhancement and structure of compressible turbulent free shear layers 20 p3344 N91-28517
SHAUB, R. L.
Quality Assurance Manual
[DE91-012618] 18 p2998 N91-26555
SHAUGHNESSY, JOHN D.
Hypersonic vehicle simulation model: Winged-cone configuration
[NASA-TM-102610] 04 p0487 N91-12705
SHAVER, B.
Tutor aft fuselage and empennage full-scale test: Procedures for creating a damage log
[NAE-ST-576] 21 p3456 N91-29167
SHAVER, B. E.
A full function checkout test for the NAE full scale structural test control and data acquisition system
[NAE-LTR-ST-1696] 21 p3456 N91-29166
SHAVERS, MARK
Preliminary calculation of solar cosmic ray dose to the female breast in space mission
[NASA-TM-4235] 09 p1449 N91-17997
SHAVIT, ARTHUR
Simulation and analysis of high efficiency absorption systems for solar cooling, phase 2
[DE90-010964] 09 p1354 N91-17439
SHAVIT, NIR
Are wait-free algorithms fast
[AD-A232829] 15 p2487 N91-23774
Counting networks
[AD-A237475] 21 p3559 N91-29780
SHAVIV, G.
Model atmospheres for the early stages of novae in outburst 09 p1442 N91-17948
SHAW, B. A.
A study of the influence of alloying additions on the passivity of aluminum
[AD-A232965] 16 p2600 N91-24410
SHAW, C. M.
SOS material improvement for post total dose, radiation induced leakage reduction 24 p3999 N91-32353

SHAW, C. T.
A segregated finite element solution to the incompressible Navier-Stokes equations
[ME-69] 08 p1147 N91-16315
SHAW, D.
The NASA Microelectronics Space Radiation Effects Program (MSREP) at the Jet Propulsion Laboratory
24 p3996 N91-32331
SHAW, D. C.
Shock initiation of pentaerythritol tetranitrate crystals: Steric effects due to plastic flow
[DE91-013389] 20 p3326 N91-28420
SHAW, DAVID C.
Total-dose radiation effects data for semiconductor devices (1989 supplement)
[NASA-CR-187431] 05 p0725 N91-14049
SHAW, JINSIANG
Nonlinear interactions in rotordynamics
03 p0372 N91-12085
SHAW, M. F.
A theoretical analysis of airborne sound transfer from resiliently mounted machine to its foundation
[AD-A226487] 04 p0580 N91-13230
SHAW, M. J.
The theory of temporal compression of intense pulses in a metal vapor
[DE91-005059] 13 p2091 N91-21509
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511
SHAW, M. S.
Direct Monte Carlo simulation of chemical equilibrium composition of molecular fluid mixtures under shock conditions
[DE91-013075] 20 p3310 N91-28324
Vibrational spectroscopy of shock-compressed liquid CO
[DE91-013204] 20 p3310 N91-28325
SHAW, MARY
Prospects for an engineering discipline of software
[AD-A235751] 19 p3220 N91-27801
Informatics for a new century: Computing education for the 1990s and beyond
[AD-A235783] 19 p3223 N91-27813
SHAW, MICHAEL J.
Classification using multi-layered perceptrons
[AD-A232810] 15 p2492 N91-23802
A distributed problem-solving approach to rule induction: Learning in distributed artificial intelligence systems
[AD-A232822] 15 p2492 N91-23803
Intelligent scheduling with machine learning capabilities: The induction of scheduling knowledge
[AD-A232943] 16 p2675 N91-24804
SHAW, R. J.
Overview of supersonic cruise propulsion research
12 p1835 N91-20088
SHAW, R. W.
Applications of diode lasers to resonance ionization mass spectrometry
[DE90-017768] 02 p0194 N91-11084
Application of diode lasers to resonance ionization mass spectrometry
[DE91-000614] 08 p1110 N91-16094
Fundamental studies of chemical vapor deposition diamond growth processes
[DE91-015324] 21 p3491 N91-29374
SHAW, RICHARD A.
An accurate registration technique for distorted images
09 p1448 N91-17986
A new photometric correction technique for the IUE final archive
09 p1448 N91-17987
The archival reprocessing of IUE data. 3: Results of the new processing method for IUE data
09 p1448 N91-17988
SHAW, ROBERT J.
Engine technology challenges for a 21st century high speed civil transport
[NASA-TM-104363] 15 p2367 N91-23098
SHAW, RUSSELL D.
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin
19 p3192 N91-27650
Stratigraphy of the late Proterozoic Gaylad Sandstone, northeastern Amadeus Basin, and recognition of an underlying regional unconformity
19 p3194 N91-27658
Mesothrust versus megathurst interpretations of the structure of the northeastern Amadeus Basin, central Australia
19 p3196 N91-27671
Seismic interpretation and thrust tectonics of the Amadeus Basin, central Australia, along the BMR regional seismic line
19 p3197 N91-27672
The tectonic development of the Amadeus Basin, central Australia
19 p3197 N91-27674
SHAW, SCOTT
Method and apparatus for sensor fusion
[NASA-CASE-MSC-21334-1] 17 p2767 N91-25317
SHAW, STEPHEN J.
The inviscid stability of supersonic flow past heated or cooled axisymmetric bodies
[NASA-CR-187475] 06 p0777 N91-14307
SHAWE-TAYLOR, JOHN
Classes of feedforward neural networks and their circuit complexity
[MEMO-920] 23 p3918 N91-31881
SHAY, OFRA
Evolutionary development of software product
[ITN-90-85042] 07 p1040 N91-15706
SHAYDOROV, YU. I.
Higher plants as part of biological human life support system
18 p3024 N91-26693
SHAYEGAN, MANSOUR
Photovoltaic quantum well infrared photodetectors
06 p0795 N91-14393
SHCHERBAKOV, G. V.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
SHCHERBININ, E. V.
Circumfluous motion of a conductive liquid around solid objects in a magnetic field
[DE90-011335] 08 p1138 N91-16265
SHCHERBINSKIY, V. V.
Reasons for inflight deterioration of state of health in pilots. Report 2
19 p3208 N91-27733
SHCHIBRYA, N. F.
Method of obtaining polymeric current-conducting material
[AD-A233129] 16 p2606 N91-24440
SHEA, D. J.
Global monthly sea surface temperature climatology
[PB91-129304] 13 p2120 N91-21669
SHEA, M. A.
Solar-Terrestrial Predictions. Proceedings of a Workshop. Volume 1: Working group reports, review papers and solar papers
[PB91-197079] 22 p3777 N91-31064
Solar-Terrestrial Predictions: Proceedings of a workshop. Volume 2: Geomagnetic and space environment papers and ionosphere papers
[PB91-197087] 22 p3777 N91-31065
SHEA, M. J.
Laser ejection of Ag(sup +) ions from a roughened silver surface: Role of the surface plasmon
[DE91-012945] 20 p3350 N91-28554
SHEA, T.
An electron beam injector for pulse compression experiments
[DE91-005744] 09 p1398 N91-17694
SHEA, W. T.
Mechanical properties and modeling of seal-forming lithologies
[DE91-010741] 17 p2784 N91-25404
SHEAHEN, T. P.
High-temperature superconductors: Their potential for utility applications
[DE90-009704] 01 p0128 N91-10757
SHEALY, DAVID L.
X ray imaging microscope for cancer research
14 p2356 N91-23030
Design and analysis of multilayer x ray/XUV microscope
[NASA-CR-184197] 23 p3874 N91-31607
SHEALY, JAMES R.
Innovative optoelectronic materials and structures using OMVPE
[AD-A239518] 23 p3928 N91-31951
SHEALY, ROBIN
A procedure to detect item bias present simultaneously in several items
[AD-A235252] 18 p3053 N91-26862
SHEARD, A. G.
Aerodynamic and mechanical performance of a high-pressure turbine stage in a transient wind tunnel
09 p1284 N91-17061
SHEARIN, C. MARK
Space lab system analysis: Advanced Solid Rocket Motor (ASRM) communications networks analysis
[NASA-CR-184103] 10 p1491 N91-18209
SHEARMAN, E. D. R.
HF systems operating beneath the ionosphere
24 p3982 N91-32244
SHEBANOW, MICHAEL C.
An information-theoretic look at branch-prediction
[DE91-000499] 04 p0564 N91-13133
SHEBSHAYEVICH, VALENTIN S.
The national- and international-wide prospects of future improvements of position location and time synchronization systems and aids
17 p2858 N91-25800
SHECHTMAN, DAN
Transmission electron microscopy of the CVD diamond film/substrate interface
[AD-A234790] 18 p3069 N91-26956
SHEDDEN, JAMES SCOTT
An evaluation of a modified simulated annealing algorithm for various formulations
[AD-A224678] 03 p0400 N91-12224
SHEDDEN, JUDITH
A connectionist model of attentional enhancement and signal buffering
[AD-A225799] 04 p0570 N91-13165
SHEEHAN, ANNE FRANCIS
Lateral variation in upper mantle temperature and composition beneath mid-ocean ridges inferred from shear-wave propagation, geoid, and bathymetry
[NASA-CR-188603] 19 p3191 N91-27645
SHEEHAN, WILLIAM A.
The design of a DL/I-to-Network interface for the multi-model, multi-lingual, multi-backend database system
[AD-A225310] 03 p0428 N91-12395
SHEEN, DAN
P-3 SAR calibration activity at Andros Island
[AD-A237357] 21 p3498 N91-29412
SHEEN, S. H.
Assessment of tamper-revealing ceramic seals
[DE91-007793] 11 p1688 N91-19301
SHEETS, DAN
Application of the Air Force guide specification 87221A to ground loads
20 p3283 N91-28152
SHEFFER, E. K.
Multifrequency behaviour of the T Tauri star RU Lupi
09 p1433 N91-17892
SHEFFIELD, J. W.
Phase change material for spacecraft thermal management
[AD-A224865] 03 p0321 N91-11792
SHEFFIELD, R. L.
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
Short wavelength FELS
[DE91-013759] 20 p3352 N91-28566
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640
SHEFT, STANLEY
Auditory processing of complex sounds across frequency channels
[AD-A238023] 21 p3572 N91-29862
SHEIKH, S.
Non-algorithmic issues in automated computational mechanics
[AD-A238322] 22 p3727 N91-30744
SHEIKH, S. I.
Navigation, guidance, and trajectory optimization for hypersonic vehicles
15 p2376 N91-23150
SHEKHAR, R.
Physical modeling of bubble phenomena, electrolyte flow, and mass transfer in simulated advanced Hall cells
[DE91-009816] 16 p2622 N91-24518
SHELDON, B. W.
The nucleation and growth of polycrystalline silicon carbide
[DE91-008887] 13 p2054 N91-21304
SHELDON, JOHN W.
High voltage plasma sheath analysis related to TSS-1
10 p1633 N91-19009
SHELDON, L. M.
Description of the bistatic radar terrain measurements system equipment
[AD-A226808] 06 p0818 N91-14517
SHELL, J.
Equivalent circuit model of traveling-wave maser slow-wave structures
24 p3984 N91-32256
SHELL, THOMAS E.
AC-130H Gunship Armor Upgrade Project
[DE91-002567] 06 p0802 N91-14428
SHELLAN, JEFFREY B.
Versatile high performance holographic optical coatings
[AD-A225969] 04 p0527 N91-12919
Versatile high performance holographic optical coatings
[AD-A230090] 12 p1901 N91-20455
SHELLARD, I. J.
The development of SCORPIO as a commercial product
[PNR-90746] 03 p0375 N91-12098
SHELLMAN, C. H.
Use of the implicit-finite-difference method to implement the parabolic equation model
[AD-A237437] 21 p3565 N91-29819

SHELSWELL, P.
Digital audio broadcasting: The first UK field trial
[BBC-RD-1991/2] 17 p2766 N91-25311
SHELTON, DUANE
JTEC panel report on space and transatmospheric propulsion technology
[NASA-CR-187670] 09 p1300 N91-17134
SHELTON, GARY
The high altitude aircraft program of NASA/Ames Research Center 17 p2799 N91-25483
SHELTON, R.
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
SHELTON, R. N.
Positron lifetime studies of defect structures in Ba(1-x)K(x)BiO3
[DE91-007341] 11 p1806 N91-19919
SHELTON, RAEFE M.
Great Britain in space 07 p0947 N91-15194
SHELTON, ROBERT O.
A space-time neural network 12 p1965 N91-20814
An accelerated training method for back propagation networks
[NASA-CASE-MSC-21625-1] 20 p3381 N91-28730
SHELTON, W. A.
The effect of scandium on the phase stability of Al3Nb and Al3Zr
[DE91-002657] 06 p0808 N91-14459
Ordering energy of B2 alloys calculated in the frozen potential and Harris approximations
[DE91-017228] 24 p3978 N91-32220
SHEMI, AMOTZ
The high abundance ratios of Ne/C and Ne/O in the footpoints of solar flares
[ITN-90-85047] 07 p1085 N91-15969
SHEN, C. C.
Two-terminal monolithic InP-based tandem solar cells with tunneling intercell ohmic connections 22 p3633 N91-30216
SHEN, D. H.
Advances in Li-TiS2 cell technology 24 p4039 N91-32567
SHEN, D. S.
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
SHEN, DASHEN S.
Amorphous silicon solar cells prepared at high deposition rates
[DE90-000371] 04 p0543 N91-13012
SHEN, HAYLEY H.
A study of the current group evaporation/combustion theories 10 p1634 N91-19010
SHEN, JAMES Y.
Effects of LDEF flight exposure on selected polymeric films and thermal control coatings 16 p2716 N91-25034
Effects of LDEF flight exposure on selected polymer matrix resin composite materials 16 p2719 N91-25053
SHEN, JI-YAO
Likelihood estimation for distributed parameter models for NASA Mini-MAST truss 14 p2232 N91-22349
SHEN, JIAN-MIN
Operator formalism of multi-pole Virasoro algebra on Riemann sphere
[DE90-627217] 01 p0113 N91-10657
SHEN, JIANPING
Quadrupole phenomena of noise from a subsonic jet impinging on a large, rigid, and flate plate 20 p3395 N91-28818
SHEN, SHAN-FU
Unsteady separation over maneuvering bodies
[AD-A226829] 08 p1142 N91-16285
SHEN, W.
Modified polynomial function model for reversed field pinches
[DE91-007662] 10 p1603 N91-18847
SHEN, Y.
Implementation of the flow-modulated skew-upwind difference scheme in the COMMIX-1C code: A first assessment
[DE91-011168] 18 p2986 N91-26489
SHEN, YINONG
Analysis of moving strong discontinuity surfaces in elastic-plastic solids including effects of inertia and finite strain 01 p0055 N91-10323
SHEN, Z.-X.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
SHEN, ZHENGKANG
Regional tectonic deformation in Southern California, inferred from terrestrial geodesy and the global positioning system 21 p3540 N91-29669
SHENFIL, L. Z.
Methods of obtaining an electrical contact
[AD-A234800] 18 p2979 N91-26453
SHENG, YUEJIAN
Database constraint enforcement: A decompositional approach 15 p2523 N91-23980
SHEPARD, HARVEY K.
Chaos in classical nonlinear fields
[AD-A229434] 22 p3761 N91-30967
SHEPARD, K. W.
Design and application possibilities of superconducting radio-frequency quadrupoles
[DE91-004477] 06 p0883 N91-14881
First tests of a superconducting RFQ (radio frequency quadrupole) structure
[DE91-004483] 06 p0883 N91-14883
High electric fields in a superconducting RFQ structure
[DE91-006593] 10 p1607 N91-18868
SHEPARD, R.
Theoretical studies of potential energy surfaces and computational methods
[DE91-011126] 18 p3060 N91-26902
SHEPARD, STEVEN
Hardware interface for high speed video imaging
[AD-D014902] 21 p3496 N91-29400
SHEPARD, TIMOTHY J.
TCP packet trace analysis
[NASA-CR-188617] 16 p2673 N91-24795
SHEPELEV, YE. YA.
Habitability and biological life support systems 19 p3215 N91-27769
SHEPHARD, R.
Advanced design and modeling concepts for recombination x ray lasers
[DE91-005071] 07 p1008 N91-15536
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
SHEPHERD, C. M.
High-temperature solution annealing as an IASCC mitigation technique
[DE91-012220] 20 p3315 N91-28352
SHEPHERD, DENNIS G.
Historical development of the windmill
[NASA-CR-4337] 13 p2112 N91-21625
SHEPHERD, F. B.
Near-perfect matrices
[RWI-BS-R9034] 17 p2844 N91-25718
SHEPHERD, IAN G.
Statistical errors in the fractal analysis of flame boundaries
[DE91-001795] 06 p0804 N91-14439
SHEPHERD, JOSEPH E.
Aluminum metal combustion in water revealed by high speed microphotography
[DE90-017525] 02 p0193 N91-11082
SHEPHERD, KEVIN P.
Wind turbine acoustics
[NASA-TP-3057] 08 p1213 N91-16679
Sound attenuation apparatus
[NASA-CASE-LAR-13968-1] 19 p3239 N91-27913
SHEPHERD, WILLIAM T.
Human factors issues in aircraft maintenance and inspection: Information exchange and communications
[AD-A230270] 12 p1933 N91-20634
SHEPODD, TIM J.
Organic getter materials for the removal of hydrogen and its isotopes
[DE90-016284] 01 p0031 N91-10185
SHEPODD, TIMOTHY J.
Hydrogen-tritium getters and their applications
[DE90-016282] 01 p0031 N91-10184
SHEPPARD, C. L.
Guide to design, implementation and management of distributed databases
[PB91-187567] 21 p3604 N91-30054
SHEPPARD, SYLVIA B.
Developing a user-interface-evaluation tool for space-station-era applications 14 p2221 N91-22282
SHEPTUNOV, V. N.
Temperature control in thermal batteries
[RAE-LIB-TRANS-2192] 22 p3670 N91-30433
Heat generating compositions for thermal batteries
[RAE-LIB-TRANS-2191] 22 p3670 N91-30434
SHER, A.
Mechanical properties of semiconductors and their alloys
[AD-A231820] 14 p2331 N91-22878
SHERALI, H.
Runway exit designs for capacity improvement demonstrations. Phase 1: Algorithm development
[NASA-CR-187955] 09 p1285 N91-17065
SHERGILL, G.
FTIR (Fourier Transform Infrared) spectrophotometry for thin film monitors: Computer and equipment integration for enhanced capabilities
[DE91-001228] 06 p0879 N91-14853
SHERGOLD, J. H.
Late Proterozoic and early Palaeozoic palaeontology and biostratigraphy of the Amadeus Basin 19 p3193 N91-27655
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
SHERIDAN, PHILIP L.
Overcenter collet space station truss fastener
[NASA-CASE-MSC-21504-1] 13 p2040 N91-21221
SHERIDAN, T. B.
Expert system training and control based on the fuzzy relation matrix
[NASA-CR-188605] 17 p2831 N91-25641
SHERIF, J. S.
Modeling preparation costs for space missions by using major cost drivers 24 p3988 N91-32279
SHERMAN, ANDREW H.
A comparison of three column-based distributed sparse factorization schemes
[AD-A228143] 07 p1052 N91-15776
A compute-ahead implementation of the fan-in sparse distributed factorization scheme
[DE91-000531] 07 p1053 N91-15781
SHERMAN, BRADLEY D.
Optical Multiple Access Network (OMAN) for advanced processing satellite applications
[NASA-TM-105167] 21 p3501 N91-29431
SHERMAN, D. M.
Evidence for ammonium-bearing minerals in Ceres 11 p1821 N91-20004
SHERMAN, DOV
Elastic-plastic analysis of mode 2 fracture specimen
[ITN-91-85093] 14 p2279 N91-22603
SHERMAN, ELENA
Applications research studies on microtubules
[AD-A228756] 08 p1128 N91-16205
SHERMAN, L. A.
Regulation of photosynthetic membrane components in cyanobacteria
[DE91-012713] 20 p3378 N91-28713
SHERMAN, RIVI
Model checking for linear temporal logic: An efficient implementation
[NASA-CR-187644] 04 p0560 N91-13108
SHERRATT, F.
Severity criteria for broad-band random vibration 07 p0955 N91-15249
SHERWOOD, BRENT
Costs and benefits of lunar oxygen: Engineering, operations, and economics 17 p2906 N91-26051
SHERWOOD, R. J.
Gabor transforms and neural networks for automatic target recognition
[DE91-011919] 18 p3049 N91-26834
SHESHUKOV, S. S.
Modelling the dynamics of fluxes of electrons with energies 30-300 keV in geostationary orbit 18 p2932 N91-26173
SHESTOPALOV, D. I.
Near-Earth and near-Mars asteroids: Prognosis of pyroxene types 17 p2915 N91-26095
SHESTOPEROV, V. YA.
Experimental data on study of cosmic ray particles in the E greater than or equal to 2 TeV energy range at the Cosmos-1713 satellite with the Sokol-2 device
[DE91-615479] 11 p1823 N91-20020
SHETTLE, E. P.
Effects of solar heating by aerosols and trace gases on the temperature structure constant
[AD-A237675] 21 p3542 N91-29677
SHETTY, D. K.
Alumina reinforced tetragonal zirconia (TZP) composites
[DE91-016748] 23 p3807 N91-31239
SHEU, C.
Properties of composite electrodeposits
[AD-A228079] 07 p0972 N91-15339
SHEU, CHI HSIEN
Crack growth behavior of encapsulation processed SiC-PMMA particulate composites
[DE91-005372] 10 p1535 N91-18453
SHEVCHENKO, V. I.
Wave collapse at lower hybrid resonance 06 p0919 N91-15073
SHEW, KENNETH
Space shuttle main engine fault detection using neural networks 12 p1965 N91-20816

SHEYNBLAT, L.
Analysis of GPS timing data in support of Omega system synchronization: A cesium stability study
[AD-A225507] 04 p0475 N91-12652
SHI, D.
Silver-sheathed multifilament wires
[DE91-008107] 11 p1810 N91-19941
Enhanced flux pinning by crystal defects in melt-textured YBa2CuO(x)
[DE91-011120] 17 p2873 N91-25889
SHI, DONGLU
Critical currents, magnetic relaxation, and microstructure in zone-melted YBa2Cu3O(x)
[DE91-006594] 09 p1418 N91-17807
Critical current and flux pinning by crystal defects in melt-textured YBa2Cu3O(x)
[DE91-011749] 17 p2874 N91-25895
Flux dynamics in a single crystal of Bi2Sr2CaCu2O(x)
[DE91-013763] 20 p3431 N91-29036
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
Critical currents in melt-textured YBa2Cu3O(x)
[DE91-016523] 24 p4109 N91-32966
Magnetic relaxation in a single crystal of YBa2Cu3O(x)
[DE91-017963] 24 p4112 N91-32986
SHI, H.
Preparation and characterization of YBa2Cu4O8 superconductor
[DE91-010596] 17 p2872 N91-25885
Defects in decomposed YBa2Cu4O8 (124) superconductor after rapid annealing
[DE91-010597] 18 p3072 N91-26979
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979
SHI, X.
Solar neutrinos and the MSW effect for three-neutrino mixing
[NASA-CR-188706] 22 p3776 N91-31060
SHI, Y.
Development of an integrated BEM approach for hot fluid structure interaction
[NASA-CR-187675] 07 p1001 N91-15496
SHI, YONG
A simulation study of magnetic reconnection processes at the dayside magnetopause 02 p0236 N91-11320
SHI, YUN. Y.
Optimal aeroassisted orbital transfer with plane change using collocation and nonlinear programming 09 p1292 N91-17101
SHI, ZHI
A study of jets in crossflow and its application on wingtip blowing 09 p1335 N91-17332
SHIA, RUN-LIE
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 2
[NASA-CR-4346-PT-2] 10 p1543 N91-18490
SHIAO, MICHAEL
Probabilistic simulation of uncertainties in thermal structures
[NASA-TM-103680] 11 p1720 N91-19472
SHIAO, MICHAEL C.
A methodology for evaluating the reliability and risk of structures under complex service environments
[NASA-TM-103244] 09 p1350 N91-17415
Probability of failure and risk assessment of propulsion structural components 16 p2586 N91-24333
Probability of failure and risk assessment of propulsion structural components
[NASA-TM-102323] 17 p2790 N91-25436
SHIAU, T. H.
Strained quantum well leaky-mode diode laser arrays
[DE91-009982] 15 p2433 N91-23477
SHIBAI, HIROSHI
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope 13 p2174 N91-22004
SHIBATA, K.
On the origin of cosmological magnetic fields
[DE90-017617] 02 p0291 N91-11634
Self-similar evolution of nonlinear magnetic buoyancy instability 20 p3411 N91-28913
SHIBATA, KEIICHI
Evaluation of neutron nuclear data for He-3 and He-4
[DE90-008017] 17 p2861 N91-25821
Evaluation of neutron nuclear data for O-16
[DE90-008105] 17 p2861 N91-25822
SHIBATA, KIYOSHI
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
SHIBATA, TAKEMASA
Electron temperature of Gd plasma produced by laser resonance ionization
[DE91-744833] 11 p1805 N91-19913
SHIEH, LEANG S.
Computations, properties, and applications of matrix-valued functions to mathematical science and control systems
[AD-A232448] 15 p2495 N91-23819
SHIELDS, ELWOOD W.
Concept development of a Mach 4 high-speed civil transport
[NASA-TM-4223] 05 p0619 N91-13432
SHIELDS, JOSEPH C.
Radio loud far-infrared galaxies 08 p1253 N91-16902
SHIER, DOUGLAS R.
Structural factoring approach for analyzing stochastic networks
[NASA-TP-3069] 10 p1588 N91-18753
SHIEU, FUH-SHENG
Tailoring the structure and mechanical properties of metal-ceramic interfaces 07 p0983 N91-15398
SHIFLET, G. J.
The effect of alloy composition and processing on the structure and properties of I/M Al-Li-X alloys
[AD-A226202] 04 p0504 N91-12799
Rapidly solidified metallic alloys with unusual semmetry properties
[AD-A232384] 15 p2402 N91-23304
SHIGEHARA, M.
Development of a two-phase cold plate 08 p1140 N91-16277
SHIGEMATSU, JUNGI
A numerical simulation for supersonic intake 04 p0454 N91-12535
SHIGEMI, MASASHI
Finite element solution of Navier-Stokes flow around aerofoils: Active use of block tridiagonal matrix 04 p0458 N91-12562
SHIGETA, M.
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
SHIH, C.
Unsteady flow past an airfoil pitching at a constant rate 23 p3877 N91-31629
Vortex interactions in the transition region of a rectangular jet 23 p3877 N91-31630
SHIH, CHOON-FOO
System dynamic simulation of precision segmented reflector 14 p2227 N91-22317
SHIH, J. G.
Heterocycles based on group 3, 4, and 5 elements: Precursors for novel glasses and ceramics
[AD-A226988] 06 p0812 N91-14487
SHIH, T. H.
A critical comparison of two-equation turbulence models
[NASA-TM-105237] 23 p3871 N91-31597
A k-epsilon modeling of near wall turbulence
[NASA-TM-105238] 24 p4017 N91-32460
SHIH, T. I-P.
GRID3D-v2: An updated version of the GRID2D/3D computer program for generating grid systems in complex-shaped three-dimensional spatial domains
[NASA-TM-103766] 17 p2830 N91-25630
SHIH, T.-H.
Second order modeling of boundary-free turbulent shear flows
[NASA-TM-104369] 14 p2264 N91-22524
Low Reynolds number two-equation modeling of turbulent flows
[NASA-TM-104368] 15 p2422 N91-23416
SHIH, TSAN-HSING
Advances in modeling the pressure correlation terms in the second moment equations
[NASA-TM-104413] 16 p2623 N91-24525
SHIH, W. H.
Stress-density variations in alumina sediments: Effects of polymer chemistry
[DE91-009055] 15 p2404 N91-23313
Advances in the drained shaping of ceramics
[DE91-015429] 21 p3492 N91-29376
SHIHABI, M.
Symbol lock detection in the ARX 2 and Block 5 receivers 24 p3985 N91-32261
SHIHO, M.
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771
SHIKAMA, T.
Radiation-induced changes in electrical conductivity of a wide range of copper alloys
[DE91-007200] 11 p1682 N91-19271
SHIMA, EIJI
The role of computational fluid dynamics in aeronautical engineering. 7: A simple analysis method of separating flows 04 p0456 N91-12549
Interaction between a spherical jet and a flow 04 p0468 N91-12620
SHIMABUKURO, R. L.
Least-squares learning and approximation of posterior probabilities on classification problems by neural network models
[AD-A237140] 21 p3567 N91-29833
SHIMABUKURO, YOSIO EDEMIR
Comparative analysis of AVHRR/NOAA and TM/LANDSAT data in the delimitation of savanna/forest contact area: Preliminary results
[INPE-5200-RPE/639] 13 p2109 N91-21611
Techniques of movement detection in the monitoring of reforested areas using LANDSAT/TM data
[INPE-5230-RPE/645] 22 p3697 N91-30582
SHIMANSKY, RICHARD ANTHONY
Effect of interfaces on continuous fiber-reinforced brittle matrix composites 10 p1492 N91-18214
SHIMIYA, K.
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
SHIMIZU, K.
H-mode simulation 10 p1599 N91-18820
SHIMIZU, MIHO
Numerical simulation analysis of sidewall effects in two-dimensional wind tunnels 24 p3945 N91-32050
SHIMIZU, Y.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography
[DE91-727527] 06 p0806 N91-14451
SHIMKAVEG, G.
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
SHIMKAVEG, G. M.
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
SHIMMIN, J. A.
The certification of the avionic systems on the ATP to JAR 25 03 p0307 N91-11715
SHIMOJI, TOSHIYUKI
Rarefied gas numerical wind tunnel 04 p0467 N91-12618
SHIMP, N. R.
Orbital transfer vehicle oxygen turbopump technology. Volume 1: Design, fabrication, and hydrostatic bearing testing
[NASA-CR-185175] 11 p1665 N91-19174
SHIMP, NANCY R.
ALS liquid hydrogen turbopump: Advanced Development Program
[NASA-CR-183730] 18 p2937 N91-26196
SHIMSKI, JOHN
Evaluation of advanced lubricants for aircraft applications using gear surface fatigue tests
[NASA-TM-104336] 14 p2271 N91-22568
Effect of two synthetic lubricants on life of AISI 9310 spur gears
[NASA-TM-104352] 21 p3528 N91-29599
SHIMURA, TAKASHI
Axial thrust balancing of small high-speed high-pressure rocket pumps
[NAL-TR-1090] 17 p2783 N91-25400
SHIN, DONG H.
Path generation for robot vehicles using composite clothoid segments
[AD-A232947] 16 p2675 N91-24805
SHIN, DONG KU
Minimum-weight design of symmetrically laminated composite plates for postbuckling performance under inplane compression loads 17 p2788 N91-25428
SHIN, EON S.
A performance study of the concurrency control algorithms in hierarchical network with partitioned database
[AD-A227055] 06 p0861 N91-14756
SHIN, JAIWON
Prediction of ice shapes and their effect on airfoil performance
[NASA-TM-103701] 11 p1640 N91-19047
Advanced ice protection systems test in the NASA Lewis icing research tunnel
[NASA-TM-103757] 15 p2382 N91-23183
Applied high-speed imaging for the icing research program at NASA Lewis Research Center
[NASA-TM-104415] 18 p2987 N91-26490
SHIN, KANG G.
Study on fault-tolerant processors for advanced launch system
[NASA-CR-188955] 04 p0490 N91-12721
SHIN, KWANG S.
High-temperature alloys for high-power thermionic systems
[DE91-009292] 15 p2402 N91-23299

SHIN, ROBERT T.
Remote sensing of Earth terrain
[NASA-CR-186904] 06 p0839 N91-14635
Remote sensing of earth terrain
[NASA-CR-188658] 19 p3183 N91-27604
SHIN, V. W. Y.
The flexural strength of unidirectional carbon fibre composites
[BU-509] 14 p2241 N91-22399
SHIN, Y. W.
A method for pressure-pulse suppression in fluid-filled piping
[DE90-010408] 08 p1137 N91-16260
SHIN, YOUNG S.
Constrained viscoelastic layer damping of thick aluminum plates: Design, analysis, and testing
[AD-A226556] 05 p0676 N91-13758
SHINAS, M.
H(-) beam characterization using laser-induced neutralization
[DE91-013501] 20 p3352 N91-28564
Measurement of longitudinal emittance growth using a laser-induced neutralization method
[DE91-013500] 21 p3522 N91-29560
SHINDO, MAKOTO
Time resolved electron spectrum analyzer
19 p3248 N91-27965
SHINDO, T.
New lightning progression and striking distance model
[DE91-736787] 10 p1558 N91-18566
Progressive feature of stepped leader on Japan sea coast in winter (basic data to establish shielding theory for lightning)
[DE91-742133] 11 p1739 N91-19561
SHINE, M. C.
Superplastic creep of eutectic tin-lead solder joints
[DE91-009074] 13 p2105 N91-21586
SHINES, J. E.
The in-flight calibration of a helicopter-mounted Daedalus multispectral scanner
[DE91-013054] 20 p3286 N91-28170
SHING, YUH-HAN
Amorphous silicon deposition research with in situ diagnostics
[NASA-CR-188782] 22 p3699 N91-30597
SHINGLEDECKER, CLARK
Operational evaluation of initial data link air traffic control services. Volume 2: Appendices
[DOT/FAA/CT-90/1-VOL-2] 01 p0006 N91-10033
SHINN, JOSEPH M., JR.
Test of superplastically formed corrugated aluminum compression specimens with beaded webs
[NASA-TM-104119] 20 p3319 N91-28373
SHINN, JUDY
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
SHINN, JUDY L.
Cellular track model of biological damage to mammalian cell cultures from galactic cosmic rays
[NASA-TP-3055] 08 p1268 N91-16981
Improvements in computational accuracy of BRYNTRN (a baryon transport code)
[NASA-TP-3093] 14 p2354 N91-23017
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
SHINN, N. D.
Thermal desorption studies of isotopically-labeled oxygen-induced superconductivity in La2CuO(4+delta)
[DE91-004898] 08 p1236 N91-16812
SHINOHARA, H.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937
SHINOHARA, K.
Evidence for cation disorder in in-situ grown YBaCuO superconducting films
[DE91-016760] 24 p4110 N91-32971
SHINOKAZI, KOICHI
A plan of NASDA's parts database in the reliability information system 24 p4003 N91-32381
SHINOZUKA, M.
Relation of inspection findings to fatigue reliability
[AD-A231819] 14 p2273 N91-22574
SHINOZUKA, SUSUMU
Microwave link 01 p0059 N91-10355
SHINYASHIBATA, CARLOS
Implementation of the MAGINT-MAGGRAF code in the microVAX-3600 system
[INPE-5042-PRE/1575] 05 p0700 N91-13898
SHIO, HISASHI
On charging of snow particles in blizzard
24 p4067 N91-32724
SHIOTA, ICHIRO
Fabrication of the Functionally Gradient Materials (FGM): The state of the art 03 p0328 N91-11827
SHIPLEY, K. L.
A central refrigeration system to support multiple environmental test chambers: Design, development, and evaluation
[DE91-004997] 10 p1507 N91-18295
SHIQUN, LI
The JCM with initial number-phase minimum uncertainty state field
[DE91-617584] 16 p2683 N91-24858
SHIRAI, H.
Transport analysis on JT-60 10 p1598 N91-18817
H-mode simulation 10 p1599 N91-18820
SHIRAISHI, HARUKI
Effects of environment and aging on creep properties of Alloy 800H
[DE90-520207] 02 p0197 N91-11106
SHIRAISHI, M.
Effect of inclination angle on heat transfer characteristics of closed two-phase thermosyphon
08 p1140 N91-16278
SHIRAISHI, T.
X ray determination of site occupation parameters in ordered ternaries Cu(Au(x)M(1-x))M = Ni,Pd
[DE91-007861] 11 p1809 N91-19937
SHIRAKAWA, YOSHISHIGE
FAX image processing 01 p0060 N91-10361
Characteristics of GMS-4 VISSR
16 p2649 N91-24662
SHIRAN, YEHUDA
Simulation of a compressible forced mixing layer using Clebsch's variables 22 p3674 N91-30456
SHIRANE, G.
Photons and neutrons
[DE91-010980] 18 p3061 N91-26906
The time evolution of the first order magnetic phase transition in Dy-4 percent Y alloy
[DE91-015423] 22 p3760 N91-30961
SHIRAYAMA, SUSUMU
Several issues of visualization techniques in computational fluid dynamics 2
24 p3944 N91-32044
SHIRER, HAMPTON N.
Boundary layer roll circulations during FIRE
01 p0089 N91-10521
Stratiform clouds and their interaction with atmospheric motion 08 p1182 N91-16506
Nonlinear feedbacks between stratocumulus and synoptic-scale systems 24 p4059 N91-32674
SHIROUZU, MASAO
Weight evaluation and sensitivity analysis for space plane: SSTO
[NAL-TM-598-1] 02 p0185 N91-11036
SHIRVINSKAYA, M. A.
Features of terrestrial nighttime sleep of monkeys and sleep during space flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27728
SHITZER, AVRAHAM
Quantification of lower bounds for endurance times in thermally insulated fingers and toes exposed to cold stress
[AD-A227782] 08 p1191 N91-16545
SHIUE, J. C.
The Millimeter-Wave Imaging Radiometer (MIR)
17 p2795 N91-25463
SHIVA, SAJJAN G.
Development of nickel hydrogen battery expert system
10 p1634 N91-19011
SHIVAKUMAR, K. N.
ZIP3D: An elastic and elastic-plastic finite-element analysis program for cracked bodies
[NASA-TM-102753] 03 p0379 N91-12116
An equivalent domain integral method for three-dimensional mixed-mode fracture problems
[NASA-CR-182021] 23 p3887 N91-31692
SHIVAKUMAR, NETRA D.
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986
[NASA-CR-187589] 19 p3203 N91-27702
SHIVASHANKAR, N.
Calibration set up for load cells
[PD-ST-8917] 05 p0661 N91-13673
SHIVER, D. F.
Application for continuation of mixed ionic and electronic conductivity in polymers
[DE91-005077] 10 p1503 N91-18271
SHIVER, JOHN D.
An automatic gore panel mapping system
10 p1488 N91-18198
SHIVES, T. ROBERT
Intercomparison study of Rockwell hardness test blocks
[PB91-167338] 19 p3182 N91-27595
SHIZGAL, B.
A method for solving Poisson's equation in geophysical and astrophysical plasma
[AERONOMICA-ACTA-A-357-1990]
15 p2513 N91-23925
SHKADAREVICH, A. P.
Passive mode locking in optically pumped Al2O3:Ti(3+) laser 11 p1787 N91-19803
SHLACHTER, J. S.
The Los Alamos megamp fiber z-pinch experiment
[DE91-004842] 08 p1229 N91-16777
SHLOSMAN, ISAAC
Induced starburst and nuclear activity: Faith, facts, and theory 08 p1263 N91-16953
SHLYK, G. G.
Features of terrestrial nighttime sleep of monkeys and sleep during space flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27728
SHOCHET, EPHRAIM
Controller evaluation of initial data link en route air traffic control services: Mini study 3
[DOT/FAA/CT-91/11] 19 p3149 N91-27404
SHOCKEY, DONALD A.
Modeling of microstructural effects on fracture processes at high loading rates
[AD-A235431] 19 p3133 N91-27313
SHOCKLEY, CYNTHIA W.
Management information: A key to better acquisition at NIH
[AD-A226867] 08 p1239 N91-16830
NASA gateway requirements analysis
[NASA-TM-104951] 14 p2339 N91-22935
SHOEMAKER, E.
Discovery and orbital characterization of near-Earth asteroids 17 p2904 N91-26039
SHOEMAKER, E. M.
Magnetostratigraphy of the San Francisco volcanic field, Arizona
[PB91-190306] 22 p3706 N91-30629
SHOEMAKER, EUGENE M.
The 1990 MB: The first Mars Trojan
17 p2894 N91-25996
SHOEMAKER, JAMES R.
Rydberg state Stark spectroscopy and applications to plasma diagnostics
[AD-A225248] 03 p0420 N91-12351
Monte Carlo simulation of atmospheric neutron transport at high altitudes using MCNP
[AD-A226773] 08 p1176 N91-16474
SHOEMAKER, NEIL S.
Ellipsometric study of cubic SiC
10 p1509 N91-18304
Optical dispersion relations for diamondlike carbon films 10 p1509 N91-18305
SHOEMAKER, P. A.
Least-squares learning and approximation of posterior probabilities on classification problems by neural network models
[AD-A237140] 21 p3567 N91-29833
SHOENFELT, NANETTE M.
Fiber optic sensors for the military
[AD-A232100] 15 p2508 N91-23898
SHOFNER, WILLIAM P.
Auditory processing of complex sounds across frequency channels
[AD-A238023] 21 p3572 N91-29862
SHOJI, H.
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
SHOJI, T.
New method for edge plasma control by RF ponderomotive force
[DE91-744823] 11 p1805 N91-19911
SHOKAIR, I.
Load-balancing and performance of a gridless particle simulation on MIMD, SIMD, and vector supercomputers
[DE91-013758] 20 p3385 N91-28756
SHOLA, PETER BAMIDELE
Numerical solution of a free-boundary viscous flow
20 p3346 N91-28529
SHOLAPURKAR, S. M.
A study of point discharge current observations in the thunderstorm environment at a tropical station during the year 1987 and 1988 24 p4067 N91-32721
SHOLOMITSKII, G. B.
Submillimeter astronomy and cosmological tests
13 p2173 N91-21993
SHOLPO, L. N.
Experimental assessment of effect of head position on center of gravity of human body in ejections seats
10 p1562 N91-18590
Differential criterion for tolerance of a blow to the head in certification of protective gear
22 p3715 N91-30677

Differential criterion for tolerance of a blow to the head in certification of protective gear
22 p3717 N91-30687

SHOOCKRON, JOSEPH
Ricochet of sphere off water
[ITN-91-85102] 18 p2985 N91-26480

SHOOSMITH, JOHN N.
Introduction to the LaRC central scientific computing complex
[NASA-TM-104092] 17 p2828 N91-25623

SHORE, S. N.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633

SHORE, STEVEN N.
Ultraviolet light curves of galactic and extra-galactic classical CNO novae: PW Vul, OS, and LMC 1988 no. 1 and no. 2 09 p1438 N91-17926
Nova LMC 1990 no. 1: The first extragalactic neon nova 09 p1441 N91-17943
Nova LMC 1990 no. 2: The first extragalactic recurrent nova 09 p1441 N91-17944
IUE observations of galactic and extragalactic recurrent novae 09 p1441 N91-17945
Late stages in the evolution of classical novae 09 p1441 N91-17946
The helium strong stars of the Ori OB1 association 09 p1443 N91-17957

SHORES, DAVID
In-flight crew training 09 p1281 N91-17044

SHORES, DAVID A.
A study of scale cracking and its effects on oxidation and hot corrosion
[DE91-001327] 04 p0505 N91-12803

SHORT, R.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644

SHORT, R. D.
Engineering Design Information System (EDIS)
[DE91-004904] 07 p1077 N91-15925

SHORT, R. T.
Kinetic energy distributions of ions after surface collisions
[DE91-013412] 20 p3401 N91-28850

SHORT, ROBERT D.
Artificial ionospheric mirrors for radar applications 10 p1554 N91-18545
System concept and analysis of an Artificial Ionospheric Mirror (AIM) radar
[AD-A234289] 18 p3011 N91-26630

SHOTTON, CHUCK
Tool and data interoperability in the SSE system 11 p1774 N91-19727

SHOU-REN, HU
An application of quantum theory to neural network 17 p2842 N91-25707

SHOUCRI, MERIT M.
Modeling of HF propagation and heating in the ionosphere 10 p1549 N91-18522

SHOUKRY, MOHAMED KAMAL
Effect of dynamic plastic deformation on the normal penetration of metallic plates 09 p1347 N91-17399

SHOWEN, ROBERT L.
Review of Soviet ionospheric modification research 10 p1546 N91-18509

SHRADER, CHRIS
IUE and ROSAT monitoring of the bright QSO H1821+643
[NASA-CR-188719] 22 p3771 N91-31029

SHRADER, CHRIS R.
Ultraviolet observations of x ray transients 09 p1442 N91-17952
Optical, near, infrared and ultraviolet monitoring of the Seyfert 1 galaxy Markarian 335 09 p1445 N91-17970
Science observations with the IUE using the one-gyro mode 09 p1447 N91-17979

SHRADER, M. B.
A high power Klystrode with potential for space application
[DE91-013046] 20 p3338 N91-28486

SHRAGA, ITZHAK
High power millimetric wavelength sources
[ITN-91-85099] 12 p1891 N91-20397

SHREVE, K. P.
Direct glass bonded high specific power silicon solar cells for space applications 22 p3634 N91-30221

SHREVE, STEVEN E.
Singular and bang-bang stochastic control
[AD-A234752] 18 p3053 N91-26861

SHREWSBURY, GEORGE D.
Dynamic stall of circulation control airfoils 22 p3611 N91-30087

SHROCK, ROBERT E.
Fermions in the hypercharge sector of the standard lattice electroweak theory: Global limit
[DE90-009731] 08 p1239 N91-16827

SHTARK, V. L.
Microfractographic study of high-speed steel produced from powder 19 p3133 N91-27310

SHTERN, A. G.
Circumfluous motion of a conductive liquid around solid objects in a magnetic field
[DE90-011335] 08 p1138 N91-16265

SHU, CHI-WANG
Uniform high order spectral methods for one and two dimensional Euler equations
[NASA-CR-187535] 13 p2080 N91-21456
On one-sided filters for spectral Fourier approximations of discontinuous functions
[NASA-CR-187541] 13 p2143 N91-21801
High-order ENO schemes applied to two- and three-dimensional compressible flow
[NASA-CR-187562] 16 p2549 N91-24126
The P1-RKDG method for two-dimensional Euler equations of gas dynamics
[NASA-CR-187542] 16 p2677 N91-24819

SHU, HAO-FENG
Data acquisition and analysis on the two-color laser transmissometer system
[DE91-007235] 11 p1710 N91-19420

SHUAI, Z.
Spectrum of the third-order nonlinear susceptibility of trans-polyacetylene
[AD-A230109] 12 p1873 N91-20291

SHUART, M. J.
An analysis of interlaminar stresses in unsymmetrically laminated plates
[NASA-CR-187657] 06 p0802 N91-14424

SHUART, MARK J.
Thermal buckling and postbuckling of symmetrically laminated composite plates
[NASA-CR-188030] 13 p2100 N91-21560

SHUBHA, M.
Investigations on the problem of moisture absorption by Kevlar fibres: Effect of relative humidity of the atmosphere and the degree of crystallinity of the fibres
[NAL-PD-MT-9015] 10 p1504 N91-18280

SHUBIN, A. P.
Near-wall conductivity 23 p3927 N91-31944

SHUCH, H. PAUL
Near midair collisions as an indicator of general aviation collision risk 15 p2367 N91-23096

SHUCHMAN, R. A.
ERIM processing and analysis activities
[AD-A236206] 19 p3150 N91-27414

SHUEN, JIAN-SHUN
Three-dimensional calculation of supersonic reacting flows using an LU scheme 02 p0149 N91-10871
Flux splitting algorithms for two-dimensional viscous flows with finite-rate chemistry 02 p0154 N91-10894

SHUFELT, JEFFEREY
Fusion of monocular cues to detect man-made structures in aerial imagery 07 p1025 N91-15624

SHUGAR, T. A.
Automated dynamic relaxation solution algorithms for compliant systems
[AD-A226383] 04 p0564 N91-13131

SHUGAROV, S. YU.
The optical observations of x ray Nova GS2023+33 = V404 Cyg 06 p0923 N91-15103

SHUGART, L. R.
Biomarker-based biomonitoring for evaluating health and ecological effects on environmental contamination
[DE91-013729] 20 p3379 N91-28719

SHUH, DAVID K.
Electronic study of Pt-Ga intermetallic thin films using x ray photoemission spectroscopy
[AD-A225036] 03 p0338 N91-11893
Growth and reactivity of CuCl on Si(111)
[AD-A225034] 03 p0423 N91-12364

SHUKLA, ANIL K.
Optimum antenna spacing for diversity in meteor burst communications systems 22 p3659 N91-30367

SHULAR, DAVID
Long Duration Exposure Facility: Transverse flat plate heat pipe 16 p2721 N91-25067

SHULL, J. MICHAEL
Probing the interstellar medium of external galaxies using quasar absortion lines: The 3C 232/NGC 3067 system 05 p0760 N91-14227
Galactic survey of interstellar abundances and selective extinction with IUE and IRAS 09 p1443 N91-17958

SHULL, R. D.
Monte Carlo and mean field calculations of the magnetocaloric effect of ferromagnetically interacting clusters
[DE91-014792] 21 p3572 N91-29859

SHULL, R. N.
Predicting F-14 Air Combat Maneuvering (ACM) performance using an automated battery of cognitive/psychomotor tests
[AD-A228593] 13 p2023 N91-21128
Performance of Marine AV-8B (Harrier) pilots on a cognitive/psychomotor test battery: Comparison and prediction
[AD-A238563] 21 p3551 N91-29729
Performance of several different Naval aviator communities on a cognitive/psychomotor test battery: Pipeline comparison and prediciton
[AD-A238564] 21 p3551 N91-29730

SHULL, ROBERT D.
High T(sub c) superconductors: Are they magnetic 12 p1859 N91-20208
Low carbon steel: Metallurgical structure vs. mechanical properties 12 p1860 N91-20218
The Kelvin water-drop experiment 12 p1860 N91-20219

SHULL, RONALD N.
Naval aviation selection test scores and female aviator performance 02 p0245 N91-11363

SHULL, THOMAS A.
Rewriteable optical disk recorder development 14 p2357 N91-23034

SHULTS, JAMES R.
A fast algorithm for control and estimation using a polynomial state-space structure 14 p2226 N91-22312

SHULTZ, D. J.
Transport and fate of acetone in an outdoor model stream, Stennis Space Center near Bay St. Louis, Mississippi
[PB91-154674] 18 p3006 N91-26600

SHUM, C. K.
Consideration of permanent tidal deformation in the orbit determination and data analysis for the Topex/Poseidon mission
[NASA-TM-100775] 22 p3705 N91-30619

SHUM, D. K. M.
Crack initiation under generalized plane strain conditions
[DE91-013410] 20 p3362 N91-28623

SHUM, F.
Cold weather ignition characteristics of advanced small gas turbine combustion systems 23 p3792 N91-31152

SHUMAN, A.
Proceedings of the First Switch Tube Advanced Technology Meeting
[DE91-012634] 21 p3503 N91-29440

SHUMAN, EDWIN A., IV
Cyclomatic complexity as a utility for predicting software faults
[AD-A227313] 06 p0862 N91-14760

SHUMPERT, THOMAS H.
A simulated lightning effects test facility for testing live and inert missiles and components 24 p4068 N91-32725

SHURMER, H. V.
Electronic analogue for a biological nose
[ME-78] 08 p1190 N91-16541

SHURRAB, M. S.
Buckling analysis of a complex vacuum vessel using the finite-element method
[DE91-010032] 15 p2446 N91-23546

SHUSTER, MALCOLM D.
Attitude sensor alignment calibration for the solar maximum mission 09 p1287 N91-17075

SHUTE, VALERIE J.
Rose garden promises of intelligent tutoring systems: Blossom or thorn 12 p1944 N91-20695

SHUTT, J. D.
Effects of high-intensity solar radiation on carbon fibers
[DE91-015485] 21 p3471 N91-29252

SHUYUN, MA
Experimental study of gas kinetics of a fast-axial flow kilowatt CO2 laser
[AD-A237178] 21 p3523 N91-29565

SHUZHI, ZHANG
Development of low-threshold value, high-power semiconductor laser
[AD-A237183] 21 p3523 N91-29566

SHVARTSMAN, ALEX A.
Efficient parallel algorithms on restartable fail-stop processors
[AD-A236249] 19 p3228 N91-27845

SHWABE, D.
Measurement of the critical Ma number versus Pr number in floating zone 14 p2335 N91-22906

SHY, SHENQYANG STEVEN
A chemically reacting, turbulent stratified interface 20 p3281 N91-28144

SHYMAN, STEVEN R.
Improving methods for estimating software development costs
[AD-A228385] 09 p1380 N91-17587
SHYNE, RICKEY J.
Overview of NASP nozzle research
12 p1836 N91-20093
SHYU, C. T.
Development of structural optimization capability at RMC
[DREA-CR-89-413] 22 p3694 N91-30564
SHYU, W.
Solitons and chaos in laser-plasma interaction
20 p3409 N91-28898
SHYY, W.
Choice of velocity variables for complex flow computation 13 p2014 N91-21076
SIAMBEKOS, C. T.
Simulation studies of diesel engine performance with oxygen enriched air and water emulsified fuels
[DE91-006053] 09 p1348 N91-17404
SIAUD, E.
Single crystals of CeMg3 (TEXUS 7) ESA
23 p3834 N91-31382
Growth of rare Earth-magnesium crystals (TEXUS 12)
23 p3834 N91-31383
SIBECK, D. G.
Solar wind dynamic pressure variations: Quantifying the statistical magnetospheric response
06 p0917 N91-15060
The magnetospheric response to 8-minute period strong-amplitude upstream pressure variations
[AD-A228038] 08 p1179 N91-16489
SIBEYN, JOP F.
A pseudo-polylog average time parallel maxflow algorithm
[RUU-CS-90-17] 04 p0569 N91-13156
Matrix techniques for faster routing of affine permutations on a mesh interconnection network
[RUU-CS-90-19] 06 p0863 N91-14767
SIBILLE, F.
Ten micron imaging of Comet Austin
10 p1622 N91-18950
SICARD, PIERRE
A passivity based control methodology for flexible joint robots with application to a simplified shuttle RMS arm
[NASA-CR-188176] 16 p2634 N91-24582
SICHEL, M.
The interaction phenomena between adjacent detonating layers
[AD-A231761] 14 p2264 N91-22522
SICKAFUS, K. E.
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115
SIDDIQUI, M. S.
Effect of the grid system on heat transfer computations for high speed flows
[DE91-010874] 17 p2778 N91-25375
SIDDONS, D. P.
Soft x ray magnetic scattering study of thin films and multilayers
[DE91-017472] 24 p4102 N91-32920
X ray dichroism and Faraday effect studies in ordered and disordered Fe3Pt
[DE91-017305] 24 p4111 N91-32974
SIDEMAN, S.
Oxidative procedure for activation of hydroxyl-containing polymeric carriers 14 p2295 N91-22690
SIDERS, C. M.
Modification of programs CHIEF and CID to compute sound radiation from an arbitrary body with mixed boundary conditions
[AD-A237502] 21 p3556 N91-29759
SIDEY, R. C.
Cryogenic mechanisms for scanning and interchange of the Fabry-Perot interferometers in the ISO long wavelength spectrometer 16 p2641 N91-24614
SIDIKMAN, K.
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
SIDIKMAN, K. L.
Self-consistent field error effects in reversed field pinch plasmas
[DE91-011426] 17 p2868 N91-25863
SIDIKMAN, KENNETH LEE
Self-consistent field error effects in reversed field pinch plasmas 01 p0123 N91-10728
SIDOBRE, DANIEL
Geometric method and synthesis af assembly strategies in robotic systems
[LAAS-90041] 02 p0217 N91-11215
SIDOROV, N. S.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
SIDORUK, B.
RADAC model deformation measurement system: First results at the F1 wind tunnel
[AAAF-NT-89-03] 23 p3784 N91-31098
SIEG, R. E.
Ellipsometric study of InGaAs MODFET material
[NASA-TM-103286] 11 p1698 N91-19351
SIEG, R. M.
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935
SIEG, ROBERT M.
Optical dispersion relations for diamondlike carbon films 10 p1509 N91-18305
SIEGEL, D. I.
Mechanisms controlling the production and transport of methane, carbon dioxide, and dissolved solutes within a large boreal peat basin
[DE91-008115] 11 p1735 N91-19543
SIEGEL, JANE A.
National software capacity: Near-term study executive summary
[AD-A227564] 08 p1199 N91-16590
SIEGEL, JANE A. L.
National software capacity: Near-term study
[AD-A226694] 06 p0859 N91-14743
SIEGEL, P. H.
Development of components for submillimeter wave heterodyne radiometers at JPL
13 p2176 N91-22017
SIEGEL, R. W.
Tensile strength and creep resistance in nanocrystalline Cu, Pd, and Ag
[DE91-006416] 10 p1499 N91-18248
Optical determination of the oxygen stoichiometry of nanophase metal-oxide materials
[DE91-006364] 10 p1501 N91-18259
Mechanical behavior of nanocrystalline metals
[DE91-006422] 10 p1501 N91-18260
Is superplasticity in the future of nanophase materials
[DE91-006079] 10 p1504 N91-18278
On the nature of grain boundary structures in nanophase materials
[DE91-010285] 18 p3072 N91-26978
SIEGER, G.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
SIEGER, GREGORY E.
Computation of two-dimensional microwave-generated electron layer evolution in low pressure air
[DE90-011465] 09 p1321 N91-17254
SIEGFRIED, W.
Report of the panel on international programs
13 p2107 N91-21599
SIEGLING, H. F.
Manufacturing and mechanical properties of fiber composite materials with textile preforms
[MBB-Z-0325-90-PUB] 22 p3645 N91-30286
SIEGMUND, OSWALD H. W.
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720
SIEGRIST, M.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679
Principle and realization of the instrument used for the CIRCE experiment on board the Mir station
11 p1760 N91-19684
SIEKHAUS, W.
The surface morphology of as-deposited and laser-damaged dielectric mirror coatings studied in situ by atomic force microscopy
[DE91-016571] 24 p4101 N91-32917
SIEKHAUS, W. J.
Cluster formation in laser-induced ablation and evaporation of solids observed by laser ionization time-of-flight mass spectrometry and scanning tunneling microscopy
[DE90-010876] 08 p1152 N91-16344
Scanning tunneling microscopy of reactive sites: Gasification of graphite by oxygen and hydrogen
[DE91-008569] 13 p2049 N91-21274
In-situ scanned probe studies on site specificity of laser surface damage of graphite, sapphire, and multilayer coatings
[DE91-008568] 14 p2269 N91-22555
SIEKMANN, J.
Liquid motion in capillary tubes (TEXUS 3)
23 p3822 N91-31322
Thermocapillary drop motion, 1 (MASER 1) ESA
23 p3827 N91-31345
Thermocapillary drop motion, 2 (MASER 2) ESA
23 p3827 N91-31346
SIEKMEIER, J. A.
Mining technology for lunar resource utilization
[PB91-201020] 24 p4123 N91-33044
SIEM, FREDERICK M.
Comparison of male and female USAF pilot candidates 02 p0245 N91-11362
Predictive validity of an automated personality inventory for Air Force pilot selection
[AD-A226731] 07 p1036 N91-15686
SIEMENS, P. D.
International magnetic pulse compression
[DE91-015774] 23 p3859 N91-31520
Proceedings of the International Magnetic Pulse Compression Workshop. Volume 2: Technical summary
[DE91-015775] 23 p3860 N91-31521
SIEMER, H.
Influence of materials structure and production method of Al2O3 ceramic on the x-ray stress measurement
05 p0638 N91-13540
SIEMON, R. E.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
Radiation hardening of diagnostics
[DE91-018039] 24 p4107 N91-32953
SIEMS, S. T.
Simulations and observations of cloudtop processes
01 p0084 N91-10496
SIERADZKI, K.
Critical issues in de-alloying and transcrystalline stress-corrosion cracking
[DE91-010190] 20 p3359 N91-28608
SIERK, A. J.
Spacetime nonlocality and retardation in relativistic heavy-ion collisions
[DE91-011392] 17 p2861 N91-25824
SIES, R. F.
Government document processing requirements report
[PB91-187773] 19 p3212 N91-27757
SIEVERS, A.
Graviperception in plants 11 p1757 N91-19667
Gravitational effects on subcellular structures of plant cells 11 p1758 N91-19669
SIEVERS, J.
Assessment of ductile fracture methodology based on applications to large-scale experiments
[DE91-009920] 20 p3360 N91-28614
SIEVERS, R. H., SR.
Robot development for nuclear material processing
[DE91-016567] 24 p4027 N91-32502
SIEWERT, T. A.
Microstructure, composition, and hardness of Rockwell C hardness blocks
[PB91-184747] 22 p3690 N91-30545
SIEWIOREK, DANIEL
Validation environment for AIPS/ALS: Implementation and results
[NASA-CR-4340] 05 p0705 N91-13930
SIEWIOREK, DANIEL P.
Assessment team report on flight-critical systems research at NASA Langley Research Center
[NASA-CR-181850] 21 p3457 N91-29176
A general graphical user interface for automatic reliability modeling
[NASA-TM-104068] 21 p3554 N91-29745
SIFFRE, MICHEL
Some problems of desynchronisation of sleep-wakefulness and circadian rhythms for long duration spaceflights 15 p2450 N91-23570
SIGAL, ASHER
Prediction and comparison with measurements of the aerodynamic characteristics of flare-stabilized XM910 prototypes
[AD-A208099] 01 p0001 N91-10005
SIGAL, LORENE L.
Environmental impact assessment as applied to policies, plans, and programs
[DE91-001372] 06 p0844 N91-14664
SIGEL, GARY
Cyclic (AlN)(sub n) compounds as precursors to aluminum nitride: Synthesis and structures of ((CH3)2AlNH2)3 and the planar species ((t-C4H9)2AlNH2)3
[AD-A226866] 07 p0985 N91-15404
SIGELLE, MARC
A new approach towards the critical properties of the Ising model
[TELECOM-90-C-005] 12 p1974 N91-20861
SIGGIA, E. D.
Systems near the onset and in the well-developed regimes of turbulence
[DE91-008148] 11 p1704 N91-19382
SIGNORE, M.
Early COBE results and superconducting cosmic strings 13 p2172 N91-21989

SIGNORETTI, F.
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, March 1990
[IFSI-90-15] 01 p0141 N91-10833
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, April 1990
[IFSI-90-18] 01 p0141 N91-10834
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, January 1990
[IFSI-90-5] 02 p0295 N91-11653
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, February 1990
[IFSI-90-6] 02 p0295 N91-11654
The Rome neutron monitor data for four ground-level enhancements observed by the world-wide station network in 1990
[NOTA-INTERNA-967] 11 p1823 N91-20019
SIGUR, W. A.
Method of fabricating composite structures
[NASA-CASE-MFS-28390-1] 07 p0971 N91-15333
SIGURDSSON, HARALDUR
Sources of volcanic aerosols: Petrologic and volcanological constraints 13 p2115 N91-21644
SIGWARTH, JOHN B.
A search for small comets in consecutive images acquired with a ground-based telescope 02 p0290 N91-11626
SIH, G. C.
Evaluation of Elber's crack closure model as an explanation of train load sequence effects on crack growth rates
[PB90-268624] 09 p1351 N91-17419
SIIKONEN, TIMO
Multigrid solution for the Euler equations in axisymmetric flow
[REPT-B-17] 01 p0043 N91-10253
Computation of boundary layer flow using thin-layer Navier-Stokes equations with flux-vector splitting
[REPT-B-21] 01 p0043 N91-10254
Numerical simulation of transonic flow around airfoils at high Reynolds numbers using algebraic turbulence models
[B-29] 10 p1462 N91-18065
SIKIVIE, P.
Cosmic global strings
[DE91-000933] 07 p1083 N91-15956
A proposed search for dark-matter axions in the 0.6-16 micro-eV range
[NASA-CR-188173] 15 p2529 N91-24015
SIKKA, DIGVIJAY I.
Northeast Artificial Intelligence Consortium (NAIC). Volume 18: A distributed artificial intelligence approach to information fusion and object classification
[AD-A234892] 18 p3048 N91-26827
SIKKA, V. K.
Fabrication and mechanical properties of Fe3Al-based iron aluminides
[DE91-001001] 04 p0505 N91-12802
Microstructure and mechanical properties of P/M (Powder Metallurgy) Fe3Al alloys
[DE91-006132] 09 p1315 N91-17218
Processing and mechanical properties of Ni3Al-based intermetallic composites
[DE91-009932] 17 p2758 N91-25270
Properties of large heats of Fe3Al-based alloys
[DE91-013268] 20 p3317 N91-28359
Processing and fabrication of Fe3Al-based alloys
[DE91-014546] 20 p3321 N91-28382
Mechanical properties of Fe3Al-based alloys
[DE91-015322] 21 p3483 N91-29324
Development of nickel and iron aluminides and their applications
[DE91-015323] 21 p3483 N91-29325
The P/M processing and applications of Fe3Al-based intermetallics
[DE91-015309] 22 p3651 N91-30317
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
SIKKEL, KLAAS
Cross-fertilization of Early and Tomita
[MEMO-INF-90-69] 14 p2308 N91-22755
SIKORA, RIYAZ
A distributed problem-solving approach to rule induction: Learning in distributed artificial intelligence systems
[AD-A232822] 15 p2492 N91-23803
SILBERBERG, R.
GRO source candidates: (A) Nearby modest-size molecular clouds; (B) Pulsar with Wolf-Rayet companion that has lost its H-envelope
[NASA-CR-183491] 23 p3940 N91-32021
SILBERGLITT, R.
Investigation of interlayer materials for the microwave joining of SiC
[DE91-013311] 20 p3325 N91-28414
SILBERMAN, E.
Purification, growth, and characterization of Zn(x)Cd(1-x)Se crystals 19 p3270 N91-28089
Optical diagnostics of mercuric iodide crystal growth
[DE91-017396] 24 p4112 N91-32983
SILBEY, ROBERT J.
Spectroscopic and dynamical studies of highly energized small polyatomic molecules
[DE91-005981] 10 p1593 N91-18784
Vibrationally energized molecules: Unimolecular energy flow, chaos, and level specific chemistry
[AD-A232898] 16 p2683 N91-24852
SILCOX, R. J.
A comparison of time domain boundary conditions for acoustic waves in wave guides
[NASA-CR-187618] 23 p3919 N91-31889
SILK, J. I.
High energy physics and cosmology
[DE91-007369] 11 p1797 N91-19859
SILK, JOSEPH I.
High energy physics and cosmology
[DE91-006855] 10 p1618 N91-18920
High energy physics and cosmology
[DE91-006856] 10 p1618 N91-18921
SILKOWSKI, ERIC
Low temperature photoluminescence study of holmium and thulium implanted into 3-5 semiconductors and silicon
[AD-A230424] 12 p1989 N91-20948
SILLIMAN, M.
Experimentation and concept formation by an autonomous mobile robot
[DE90-003063] 08 p1156 N91-16368
SILLING, S. A.
Stability and accuracy of differencing schemes for viscoplastic models in wavecodes
[DE91-011265] 17 p2847 N91-25736
SILLMAN, S.
Estimation of seasonal and annual acidic deposition through aggregation of three-day episodic periods
[PB90-252628] 02 p0233 N91-11303
SILSON, P. M. G.
GWSIM: A computer based design and simulation package for land based and air weapon systems 07 p1043 N91-15723
SILVA, L.
Supercritical fluids cleaning
[DE91-013374] 20 p3333 N91-28456
SILVA, WALTER A.
Aeroelastic modeling of the active flexible wing wind-tunnel model 14 p2230 N91-22333
A methodology for using nonlinear aerodynamics in aeroservoelastic analysis and design
[NASA-TM-104087] 20 p3279 N91-28131
SILVEIRANETO, A.
Large-eddy simulation of the turbulent flow in the downstream region of a backward facing step 23 p3867 N91-31568
SILVEIRASOARESFILHO, BRITALDO
Methodological contribution utilizing TM/LANDSAT-5 imagery in geologic mapping of regions with significant vegetative cover
[INPE-5117-TDL/419] 05 p0681 N91-13784
SILVENNOINEN, R.
The optical parametrization of an aerial multispectral camera
[DE91-003017] 06 p0831 N91-14593
SILVER, A. H.
Analog superconductive electronics for avionics 05 p0723 N91-14040
SILVER, AARON N.
Software cost estimation study
[AD-A226777] 06 p0860 N91-14749
SILVER, BURTON
A non-invasive measure of minerals and electrolytes in tissue 15 p2538 N91-24058
SILVER, G. L.
Operational interpolation of data in triangular array
[DE91-012987] 20 p3392 N91-28800
SILVER, GARY L.
Applications of the operational method
[DE91-002973] 07 p1056 N91-15801
SILVER, J.
Spaceflight performance of several types of silicon solar cells on the LIPS 3 satellite 11 p1672 N91-19213
SILVER, J. R.
High-efficiency silicon solar cells for use with a prismatic cover at 160 suns
[DE91-000468] 04 p0544 N91-13015
SILVER, R. N.
Dynamics of the Anderson model for dilute magnetic alloys: A quantum Monte Carlo and maximum entropy study
[DE91-000445] 07 p0979 N91-15376
SILVER, RICHARD N.
Applications of MaxEnt to quantum Monte Carlo
[DE91-000216] 03 p0401 N91-12231
SILVERMAN, A. N.
Thermoluminescence kinetics of pyrite (FeS2)
[DE91-011710] 18 p3074 N91-26990
SILVERSTEIN, PAUL B.
Implementation and evaluation of a classification algorithm based on structural descriptions: Program listing
[AD-A235814] 19 p3223 N91-27816
SILVESTER, JOHN
Adaptive spread spectrum networks
[AD-A234084] 18 p2974 N91-26419
SILVESTER, JOHN A.
Dynamic resource allocation scheme for distributed heterogeneous computer systems
[NASA-CASE-NPO-17197-1-CU] 17 p2839 N91-25693
SILVESTRI, JOHN J.
Thermodynamic properties of refrigerant mixtures
[AD-A230520] 12 p1993 N91-20970
SILVIOUS, JERRY L.
Signal-processing techniques for simulated wideband monopulse radar data
[AD-A225334] 03 p0357 N91-11998
SILVONEN, AULIS
Reliability and its determination for medium speed diesel engine components 07 p1017 N91-15587
SIM, ALEX G.
Flight characteristics of a modified Schweizer SGS1-36 sailplane at low and very high angles of attack
[NASA-TP-3022] 01 p0013 N91-10079
Modeling, simulation, and flight characteristics of an aircraft designed to fly at 100,000 feet
[NASA-TM-104236] 22 p3622 N91-30153
SIMCHICK, RICHARD T.
Radiographic instrumentation for DPM experiments 13 p2065 N91-21373
SIMCIC, V.
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
SIMCIC, V. J.
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
SIME, D. G.
Whie light solar corona: An atlas of 1988 K-coronameter synoptic charts, December 1987 to January 1989
[NASA-CR-184955] 02 p0294 N91-11649
SIMEONE, THOMAS F.
Linear stability of wavy baroclinic flow over topography
[AD-A232758] 16 p2656 N91-24699
SIMEONIDES, G.
The VKI hypersonic wind tunnels and associated measurement techniques
[VKI-TM-46] 15 p2385 N91-23196
SIMILON, P. L.
Theory of incremental turbulent transport in tokamaks
[DE91-010264] 14 p2328 N91-22865
SIMINOVITCH, M. J.
Fixture efficiency program
[DE91-014470] 20 p3340 N91-28498
SIMKIN, S. M.
Galaxy interactions and strength of nuclear activity 08 p1256 N91-16914
SIMKOVICH, G.
Point defect effects on hot corrosion of zirconia-based coatings
[AD-A232662] 15 p2407 N91-23326
SIMMON, E. D.
Metrology for space power: Metrology development and survey of space-based measurements
[PB91-107607] 09 p1300 N91-17136
SIMMONDS, L. G.
Numerical computation of two-dimensional unsteady detonation waves in high energy solids
[CRANFIELD-AERO-9013] 12 p1899 N91-20443
SIMMONEN, E. P.
Modeling irradiation-induced grain boundary segregation in stainless steels
[DE91-010157] 17 p2759 N91-25272
SIMMONS, C. M.
Laser-induced fluorescence of phosphors for remote cryogenic thermometry
[DE91-001733] 05 p0662 N91-13681
Circular format zig-zag scanning of vidicon tubes
[DE91-016084] 23 p3874 N91-31610

SIMMONS, DAVID R.
A high-fidelity satellite ephemeris program for Earth satellites in eccentric orbits 10 p1634 N91-19012
SIMMONS, E. W.
Evaluation of flammability properties of glass-reinforced plastics for marine use
[DREA-CR-88-411] 22 p3654 N91-30336
SIMMONS, G. J.
Ezekiel graphs
[DE91-012656] 20 p3393 N91-28805
SIMMONS, G. W.
Mechanisms and controlling characteristics of the catalytic oxidation of methane
[DE91-008033] 11 p1681 N91-19263
SIMMONS, KENT
Air traffic control and airspeed systems 2010 air traffic control operational concept
[AD-A229003] 10 p1468 N91-18097
Department of Defense air traffic control and airspace systems interface with the national airspace system
[AD-A229088] 10 p1468 N91-18098
SIMMONS, REID
Integrated system for single leg walking
[NASA-CR-188072] 12 p1879 N91-20329
Concurrent planning and execution for a walking robot
[NASA-CR-188074] 12 p1880 N91-20331
Perception, planning, and control for walking on rugged terrain 12 p1937 N91-20654
SIMMONS, ROBERT F.
Artificial intelligence project
[AD-A230793] 12 p1967 N91-20827
SIMMONS, RONALD J.
Six dimensional trajectory solver for autonomous proximity operations
[AD-A231993] 14 p2206 N91-22184
SIMMONS, STANLEY J.
The study of space communications spread spectrum systems. Part 3: Uplink synchronization in an EHF frequency-hopped satellite system
[QU-90-3-PT-3] 21 p3496 N91-29397
SIMMS, D.
Spanwise aerodynamic loads on a rotating wind turbine blade
[DE91-002101] 05 p0615 N91-13414
SIMO, JUAN
Control of complex multibody spacecraft
[AD-A224707] 03 p0320 N91-11791
SIMOEN, E.
Optimization of CMOS technology and design for deep cryogenic analog circuits 24 p3991 N91-32296
SIMON, C.
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006
SIMON, CHARLES G.
Meteoroid and orbital debris record of the Long Duration Exposure Facility 16 p2711 N91-25003
Ion microprobe elemental analyses of impact features on interplanetary dust experiment sensor surfaces 16 p2712 N91-25007
SIMON, D. R.
Development of prototype sealed bipolar lithium/sulfide cells
[DE91-015721] 23 p3859 N91-31519
SIMON, DONALD L.
The NASA Lewis integrated propulsion and flight control simulator
[NASA-TM-105147] 19 p3105 N91-27157
A high-frequency servosystem for fuel control in hypersonic engines
[NASA-TM-104333] 23 p3797 N91-31178
SIMON, HERBERT A.
Qualitative reasoning: How we think our way through the day
[AD-A225646] 03 p0397 N91-12204
The mathematical bases for qualitative reasoning
[AD-A225718] 04 p0572 N91-13178
SIMON, K.
MMIC compensation network for phased array element mismatch
[AD-A227437] 06 p0818 N91-14522
SIMON, M. K.
A carrier-arraying demonstration at Goldstone for receiving Pioneer 11 signals 24 p3987 N91-32273
SIMON, MARVIN K.
Trellis coded modulation for transmission over fading mobile satellite channel
[NASA-CASE-NPO-16904-2-CU] 06 p0818 N91-14523
Doppler-corrected differential detection system
[NASA-CASE-NPO-16987-1-CU] 17 p2767 N91-25316
Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU] 19 p3155 N91-27439
SIMON, NANCY J.
Aluminum alloys for ALS cryogenic tanks: Oxygen compatibility, volume 2
[AD-A231830] 14 p2245 N91-22422
SIMON, NANCY JANE
Aluminum alloys for cryogenic tanks: Oxygen compatibility, volume 1
[AD-A229229] 09 p1314 N91-17211
Review of cryogenic mechanical and thermal properties of Al-Li alloys and alloy 2219
[AD-A229231] 09 p1314 N91-17212
SIMON, P. C.
Ultraviolet absorption cross-sections of photoactive species of stratospheric interest. Part 1: The halocarbons
[ETN-91-98385] 05 p0688 N91-13830
SIMON, PAUL C.
Temperature dependence of ultraviolet absorption cross-sections of alternative chlorofluoroethanes
[AERONOMICA-ACTA-A-358-1991] 15 p2463 N91-23647
SIMON, T.
An IUE study of the chromospheres and transition regions of F giant and subgiant stars 09 p1436 N91-17914
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
SIMON, T. W.
Free-stream turbulence and concave curvature effects on heated, transitional boundary layers, volume 1
[NASA-CR-187150] 19 p3153 N91-27488
Free-stream turbulence and concave curvature effects on heated, transitional boundary layers
[NASA-CR-187151] 19 p3165 N91-27502
Bypass transition in boundary layers including curvature and favorable pressure gradient effects
[NASA-CR-187187] 22 p3677 N91-30474
SIMON, TONY
Modelling human cognitive development with explanation-based learning in SOAR
[AD-A225612] 04 p0569 N91-13160
SIMONDS, CHARLES H.
Impact of Mars sand on dust on the design of space suits and life support equipment: A technology assessment 18 p3089 N91-27079
SIMONEN, E. P.
Irradiation-induced chromium depletion and its influence on integranular stress corrosion cracking of stainless steels
[DE91-017418] 24 p3976 N91-32212
SIMONETTI, G.
A solid state mass memory for space applications: Technological and system aspects 24 p3995 N91-32329
SIMONS, DAVID J.
HF propagation through actively modified ionospheres: Modelling and experimental results 10 p1554 N91-18549
SIMONS, DOUGLAS ANTHONY
A near-infrared search for brown dwarfs in the Pleiades 15 p2529 N91-24011
SIMONS, JACK
Geometrical linear responses and directional energy derivatives for energetically degenerate MCSCF electronic functions
[AD-A236074] 19 p3158 N91-27457
B(+)(S-1) + H2 yeilds BH(+)(sigma-2) + H: A Woodward-Hoffman forbidden ion-molecule reaction
[AD-A235885] 19 p3242 N91-27929
SIMONS, M.
The incidence of sleep disturbances in Dutch cockpit crew operating on transmeridian routes
[ETN-91-98697] 10 p1563 N91-18599
Environmental factors influencing flight crew performance
[ETN-91-98698] 10 p1565 N91-18605
Cockpit-environmental factors during long-range flights
[REPT-89-02-RLD] 10 p1565 N91-18606
SIMONS, R. N.
A seven patch hexagonal CP subarray with a CPW/stripline feed network
[NASA-TM-103802] 12 p1892 N91-20406
SIMONS, RAINEE N.
Coplanar waveguide feeds for phased array antennas
[NASA-TM-104467] 19 p3161 N91-27477
SIMONSEN, L. C.
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068
SIMONSEN, LISA C.
Single launch lunar habitat derived from an NSTS external tank
[NASA-TM-4212] 05 p0765 N91-14251
Space radiation dose analysis for solar flare of August 1989
[NASA-TM-4229] 05 p0768 N91-14265
Subsystems component definitions summary program
[NASA-TM-4247] 07 p1042 N91-15714
Radiation protection for human missions to the Moon and Mars
[NASA-TP-3079] 09 p1450 N91-17999
SIMONSON, J. M.
Experimental studies of the volatility of ammonium chloride
[DE91-012526] 20 p3308 N91-28311
SIMONYI, P. S.
Comparison of a quasi-3D analysis and experimental performance for three compact radial turbines
[NASA-TM-105155] 22 p3621 N91-30142
SIMOPOULOU, E.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845
SIMPKIN, P.
The place for the turbofan engine in the regional airlines 03 p0309 N91-11731
SIMPKINS, J. D.
Absorbing CAD system geometries into GEANT
[DE91-015707] 23 p3908 N91-31816
SIMPSOM, W.
MHD channel gas-side element erosion-corrosion studies
[DE91-008561] 15 p2511 N91-23911
SIMPSON, A.
Computational comparison of efficacies of aeolian vibration damping devices for multiconductor overhead power lines
[BU-411] 11 p1723 N91-19487
SIMPSON, C. J.
Remote sensing of natural hydrocarbon seepage at the Palm Valley Gas Field, Amadeus Basin, central Australia 19 p3198 N91-27680
SIMPSON, CAROL
Automatic barometric updates from ground-based navigational aids
[AD-A230508] 12 p1832 N91-20069
SIMPSON, CAROLINE
The environments of Markarian galaxies 08 p1250 N91-16881
SIMPSON, D. L.
Review of Canadian aeronautical fatigue work: 1987-1989
[NAE-LTR-ST-1706] 21 p3455 N91-29165
SIMPSON, HENRY
A computer-based instructional support network: Design, development, and evaluation
[AD-A227922] 08 p1207 N91-16637
SIMPSON, J. E.
Recovery and reuse of a rocket launcher
[BU-518] 14 p2207 N91-22187
SIMPSON, J. W.
Evolution of an aging program Minuteman Stage 2 solid rocket motor 16 p2576 N91-24275
SIMPSON, JANET P.
Interstellar extinction at 10-20 microns 06 p0910 N91-15025
SIMPSON, M. A.
Fuselage shell and cavity response measurements on a DC-9 test section
[NASA-CR-187557] 23 p3924 N91-31926
Analysis of interior noise ground and flight test data for advanced turboprop aircraft applications
[NASA-CR-187558] 23 p3924 N91-31927
SIMPSON, P. K.
Performance of neural networks in classifying environmentally distorted transient signals
[AD-A230739] 12 p1888 N91-20380
SIMPSON, R. L.
Measurements of surface shear stresses under a three-dimensional turbulent boundary layer using oil-film laser interferometry
[AD-A229494] 22 p3671 N91-30443
Study of three-dimensional pressure-driven turbulent boundary layer
[AD-A229495] 22 p3671 N91-30444
Performance evaluation of insensitive explosives
[DE91-015767] 23 p3821 N91-31315
SIMPSON, ROBERT W.
Expert systems for the generation of thermal area arrival paths for civil transport 02 p0175 N91-10995
SIMPSON, ROGER L.
An experimental investigation of the flow past an idealized wing-body junction
[AD-A229602] 22 p3610 N91-30079
SIMPSON, S. F.
Discrepancies in the crystal structures assigned to precipitated zirconia
[AD-A234644] 19 p3250 N91-27976

SIMPSON, T. L.
Compact representation of radiation patterns using spherical mode expansions
[DE91-000019] 02 p0204 N91-11141
SIMPSON, W. A., JR.
Composite heat damage. Part 1: Mechanical testing of IM6/3501-6 laminates. Part 2: Nondestructive evaluation studies of IM6/3501-6 laminates
[DE90-016207] 01 p0021 N91-10125
Ultrasonic detection of fatigue damage in glass-epoxy composites
[DE91-002652] 06 p0836 N91-14619
SIMPSON, WILLIAM G.
Improved sprayable lightweight ablative coating
[NASA-CASE-MFS-28372-1] 16 p2604 N91-24426
SIMS, CRAIG S.
Reduced-order filtering for flexible space structures
04 p0600 N91-13342
SIMS, GRAHAM D.
Development of standards for advanced polymer matrix composites: A BPF/ACG overview
[NPL-DMM(A)-8] 05 p0643 N91-13568
Standards for polymer matrix composites. Part 1: Assessment of CRAG test methods data
[NPL-DMM(A)-6-PT-1] 12 p1864 N91-20240
Standards for polymer matrix composites. Part 2: Assessment and comparison of CRAG test methods
[NPL-DMM(A)-7-PT-2] 24 p3970 N91-32174
SIMS, J. S.
Boussinesq algorithm for enclosed bouyant convection in two dimensions
[PB91-178848] 20 p3342 N91-28507
SIMS, PAUL E.
Development of N/P AlGaAs free-standing top solar cells for tandem applications 22 p3633 N91-30218
SIMS, STEVEN A.
Chemical synthesis study of deuterated epoxy resins
[AD-A234666] 18 p2963 N91-26355
SINCLAIR, D. W.
Investigation of the influence of constant adverse pressure gradients on laminar boundary-layer stability at Mach number 8
[AD-A228231] 08 p1143 N91-16293
SINCLAIR, M.
Subgap absorption in conjugated polymers
[DE91-012655] 20 p3324 N91-28402
SINCLAIR, M. B.
Measurements of photo-induced changes in conjugated polymers
[DE91-013262] 20 p3328 N91-28427
SINCLAIR, PETER C.
An airborne FLIR detection and warning system for low altitude wind shear 16 p2552 N91-24147
SINCLAIR, W. R.
Niobium nitride Josephson junction studies and devices
[AD-A233418] 16 p2621 N91-24512
SINDELAR, R. L.
Mechanical properties of 1950's vintage Type 304 stainless steel weldment components
[DE91-004328] 05 p0679 N91-13774
A failure probability estimate of type 304 stainless steel piping
[DE91-004299] 07 p0979 N91-15372
An on-line real-time system for fatigue crack growth monitoring
[DE91-007931] 11 p1722 N91-19483
SINDERSON, RICHARD L.
Adaptive data acquisition multiplexing system and method
[NASA-CASE-MSC-21170-1] 06 p0791 N91-14371
SINDONI, J. M.
Upper atmosphere IR radiation modeling and analysis
[AD-A227214] 08 p1177 N91-16482
SINDT, C. F.
Measurements of coefficients of discharge for concentric flange-tapped square-edged orifice meters in natural gas over the Reynolds number range 25,000 to 16,000,000
[PB90-219601] 01 p0039 N91-10231
SINGER, BART A.
Testing of transition-region models: Test cases and data
[NASA-CR-4371] 17 p2728 N91-25104
SINGER, C.
Test results of the modified space shuttle main engine at the Marshall Space Flight Center technology test bed facility 16 p2570 N91-24243
SINGER, FRED S.
Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU]
06 p0799 N91-14412
SINGER, JOSEF
Repeated buckling of composite shear panels
01 p0051 N91-10303
SINGER, K. D.
Design considerations for multi component molecular-polymeric nonlinear optical materials
[DE91-006778] 11 p1799 N91-19872
SINGER, KENNETH D.
Anomalous dispersion as a phase-matching technique for second harmonic generation
[DE90-015696] 01 p0029 N91-10172
SINGER, MICHAEL J.
Research and methods for simulation design: State of the art
[AD-A230076] 12 p1930 N91-20623
SINGER, R. M.
Pumping system fault detection and diagnosis utilizing pattern recognition and fuzzy inference techniques
[DE91-011849] 18 p3053 N91-26863
SINGER, ROBERT
Hubble Space Telescope observations of Mars
11 p1821 N91-20003
SINGER, ROBERT B.
Iron mineralogy of a Hawaiian palagonitic soil with Mars-like spectral and magnetic properties
14 p2350 N91-22997
Determination of lunar ilmenite abundances from remotely sensed data 16 p2596 N91-24383
Determination of lunar ilmentite abundances from remotely sensed data 17 p2754 N91-25241
Remote compositional mapping of lunar titanium and surface maturity 17 p2902 N91-26029
Primary igneous rocks on Mars: Composition and distribution 17 p2913 N91-26083
SINGER, ROBIN
The high speed buffer board: A SAIL EIA-485 communications accelerator card for the vector measuring current meter
[AD-A227181] 08 p1125 N91-16185
SINGER, S. FRED
What could be causing global ozone depletion
03 p0445 N91-12488
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
SINGH, A.
Microwave generation for magnetic fusion energy applications, task B
[DE90-011079] 08 p1227 N91-16763
Microwave generation for magnetic fusion energy applications, task C
[DE90-011080] 08 p1227 N91-16764
An energy recovery system for a quasi-optical gyrotron
[DE91-008317] 11 p1699 N91-19357
SINGH, A. K.
Integrated synthesis and post processing of silicon carbide and aluminum nitride
[AD-A230810] 13 p2056 N91-21317
SINGH, ANIL K.
Measurement under pressure of thermoelectric power along the thickness of a thin specimen
[NAL-PD-MT-9012] 10 p1520 N91-18372
SINGH, B.
Small Engine Component Technology (SECT) study
[NASA-CR-175079] 16 p2562 N91-24208
The cryojet revisited 16 p2579 N91-24293
SINGH, D. J.
Two and three-dimensional shock-shock interactions on the blunt leading edges of the hypersonic inlets
13 p2016 N91-21088
Investigation of nose bluntness and angle of attack effects on slender bodies in viscous hypertension flows
[NASA-CR-188153] 13 p2021 N91-21117
SINGH, J.
The features at 130.55 and 130.95 nm in B type stars
09 p1434 N91-17899
SINGH, J. P.
YBa2Cu3O(x) composites with improved toughness and strength
[DE90-011180] 01 p0132 N91-10782
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE90-011092] 08 p1118 N91-16141
Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796
The application of neutron diffraction time-of-flight measurements to the study of strain in composites
[DE91-008106] 11 p1677 N91-19242
Strength/grain-size relationships and internal stresses in YBa2Cu3O(x) superconductors
[DE91-011180] 17 p2873 N91-25891
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE91-012471] 20 p3325 N91-28410
Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
Materials qualification technology for ceramic cross-flow filters
[DE91-017715] 24 p3980 N91-32232
SINGH, JAG J.
An investigation of microstructural characteristics of contact-lens polymers
[NASA-TP-3034] 05 p0630 N91-13492
Investigation of microstructural changes in polyetherether-ketone films at cryogenic temperatures by positron lifetime spectroscopy
[NASA-TP-3064] 10 p1493 N91-18216
Low-energy positron flux generator for microstructural characterization of thin films
[NASA-TP-3074] 14 p2266 N91-22538
Slow positron beam generator for lifetime studies
[NASA-CASE-LAR-14250-1-SB]
19 p3243 N91-27936
SINGH, JAI RAJ
Stochastic models for manipulator analysis and synthesis 22 p3686 N91-30522
SINGH, N. B.
Growth kinetics of physical vapor transport processes: Crystal growth of the optoelectronic material mercurous chloride
[NASA-TM-103788] 11 p1692 N91-19320
SINGH, NAGENDRA
Properties of large scale plasma flow during the early stage of the plasmaspheric refilling
[NASA-TM-103446] 01 p0073 N91-10441
Current Collection from Space Plasmas
[NASA-CP-3089] 09 p1401 N91-17713
Current collection in a flowing magnetoplasma
09 p1402 N91-17716
Pressure and current balance conditions during electron beam injections from spacecraft
09 p1405 N91-17732
SINGH, P.
Is vacuum Quadratic Poincare Gauge Field Theory a viable gauge theory of gravitation
[MATHS-REPT-A-137] 10 p1611 N91-18891
SINGH, R.
Comparative study of phosphosilicate glass on (100) silicon by furnace and rapid isothermal annealing
[NIAR-90-26] 08 p1120 N91-16153
SINGH, RAJENDRA
Rapid isothermal processing of the thin epitaxial CaF2 dielectric films for advanced Si radiation tolerant integrated circuits
[AD-A225995] 04 p0589 N91-13288
Non-linear dynamic analysis of geared systems
[NASA-CR-4338] 05 p0672 N91-13737
Vibration transmission through rolling element bearings in geared rotor systems
[NASA-CR-4334] 11 p1714 N91-19435
SINGH, RAMEN P.
A generic multi-flex-body dynamics, controls simulation tool for space station 14 p2228 N91-22321
SINGH, S. K.
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
SINGH, SANJIV
Path generation for robot vehicles using composite clothoid segments
[AD-A232947] 16 p2675 N91-24805
Real-time vision for robot swat-juggling
[AD-A233010] 16 p2675 N91-24807
SINGH, VANDANA
Color flux distribution in pure SU(2) Lattice Gauge Theory
[DE90-017403] 02 p0280 N91-11574
SINGHAL, A. K.
Conjugate (solid/fluid) computational fluid dynamics analysis of the space shuttle solid rocket motor nozzle/case and case field joints
02 p0151 N91-10879
SINGHAL, S.
Probabilistic structural analysis methods for space transportation propulsion systems
20 p3298 N91-28238
Concurrent engineering 20 p3299 N91-28247
SINGHAL, S. N.
Computational simulation of hot composites structures
[NASA-TM-103681] 11 p1675 N91-19230

HITCAN for actively cooled hot-composite thermostructural analysis
[NASA-TM-103750] 13 p2101 N91-21562

SINGHAL, SURENDRA N.
Computational simulation of acoustic fatigue for hot composite structures
[NASA-TM-104379] 15 p2446 N91-23548

SINGLETON, JEFFREY D.
Vibratory loads data from a wind-tunnel test of structurally tailored model helicopter rotors
[NASA-TM-4265] 19 p3099 N91-27120

SINGLEY, PAUL T.
SQTTEXT: A tool for editing Structured Query Language (SQL) text within ORACLE SQL*Forms applications
[DE91-000534] 04 p0565 N91-13134

SINHA, ALOK
Robust and real-time control of magnetic bearings for space engines 20 p3296 N91-28230

SINHA, N.
Computational models with advanced thermochemistry for the analysis of missile/plume flowfield interactions 06 p0776 N91-14305

SINHA, RAJI
A quasi-linear theory to explain ion acceleration in the distant cometary environment 12 p2007 N91-21045

SINHA, S. K.
The characterization of interface roughness and other defects in multilayers by x ray scattering
[DE91-007558] 11 p1808 N91-19929
Specular and diffuse scattering studies of multilayer interfaces
[DE91-016893] 24 p4111 N91-32978

SINITSYNA, T. M.
Stress and human circulation 10 p1562 N91-18592

SINNIS, CONSTANTINE
A search for very high-energy gamma rays from Cygnus X-3 15 p2535 N91-24039

SINNOTT, M. J.
DARPA-Materials Research Council Summer Conference
[AD-A233401] 16 p2590 N91-24352

SINOPALNIKOV, V. I.
Diagnostic possibilities of inflight EKG monitoring of flight crew 01 p0096 N91-10557

SINSKEY, ANTHONY J.
Strategies for biopolymer engineering of PHB-like materials
[AD-A239690] 23 p3820 N91-31313

SINTON, P. O.
Geohydrology and ground-water geochemistry at a sub-Arctic landfill, Fairbanks, Alaska
[PB91-140590] 17 p2810 N91-25531

SINTON, R. A.
High-efficiency concentrator silicon solar cells
[DE91-006754] 10 p1541 N91-18481
One-sun, single-crystalline silicon solar cell research
[DE91-015646] 23 p3888 N91-31699

SINTON, S. W.
Magnetic resonance imaging studies of process rheology
[AD-A225814] 04 p0510 N91-12836

SINYUKOV, A. M.
Solid propellant ballistic missile (references)
[AD-A225308] 04 p0495 N91-12751

SIOMACCO, EDWARD M.
Parametric modeling and estimation of pulse propagation on microwave integrated circuit interconnections
[AD-A232465] 15 p2420 N91-23404

SION, E. M.
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A 09 p1442 N91-17949

SIPES, I. G.
Proceedings of the 4th International Symposium on Biological Reactive Intermediates: Molecular and Cellular Effects and Their Impact on Human Health
[AD-A235518] 19 p3209 N91-27737

SIPILA, SISKO
Comparison of measuring standards, crack propagation calculations and experimental analysis for welded structures 07 p1016 N91-15580

SIPPEL, THEODORE W.
X-ray inspection system
[PATENT-1-258-924] 23 p3882 N91-31660

SIPPER, MOSHE
Program verification using logic with a continuous measure
[ITN-90-85032] 07 p1040 N91-15705

SIPRIKOVA, N. I.
Methods of obtaining an electrical contact
[AD-A234800] 18 p2979 N91-26453

SIQUIG, RICHARD A.
Impact of icing on Unmanned Aerial Vehicle (UAV) operations
[AD-A231191] 13 p2022 N91-21124
The oceanic cloudy atmosphere: Measurement requirements and solution options
[AD-A231121] 13 p2122 N91-21677

SIRBAUGH, J. R.
Computation of inlet reference plane flow-field for a subscale free-jet forebody/inlet model and comparison to experimental data
[AD-A232101] 15 p2427 N91-23445

SIRKES, ZIV
Altimeter processing tools for analyzing mesoscale ocean features
[AD-A231904] 14 p2292 N91-22677

SIRKO, ROBERT J.
A manned maneuvering unit proximity operations planning and flight guidance display and control system 12 p1847 N91-20151

SIROCKY, PAUL J.
High-temperature, flexible, thermal barrier seal
[NASA-CASE-LEW-14672-1] 19 p3176 N91-27560

SIROTA, M. G.
Human and animal results on vestibular research in space: VERIS 11 p1753 N91-19642

SIROVICH, L.
Probability distribution functions in turbulent convection
[NASA-CR-187519] 13 p2079 N91-21453

SIRTORI, ENRICO
ALECSYS: A parallel laboratory for learning classifier systems
[REPT-91-004] 22 p3738 N91-30822

SISLIAN, J. P.
Performance characteristics of hypersonic detonation wave ramjets 15 p2379 N91-23168

SISSON, NORWOOD
Computer menu task performance model development
[AD-A230278] 12 p1956 N91-20759

SISSON, PATRICIA L.
SPAN security policies and guidelines
[NASA-TM-105071] 22 p3726 N91-30741
Space physics analysis network node directory (The Yellow Pages): Fourth edition
[NASA-TM-105068] 22 p3764 N91-30983

SISTLA, G.
Sensitivity analysis of a nested ozone air quality model
[PB91-191221] 22 p3703 N91-30608

SITAR, ZLATKO
Pseudomorphic semiconducting heterostructures from combinations of AlN, GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A225893] 04 p0588 N91-13284
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and the subsequent fabrication of superlattice structures using AlN and InN
[AD-A225894] 04 p0588 N91-13285
Pseudomorphic semiconducting heterostructures from combinations of AlN and GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A230268] 12 p1988 N91-20938
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and subsequent fabrication of superlattice structures using AlN and InN
[AD-A230269] 12 p1988 N91-20939

SITES, J. R.
Analysis of loss mechanisms in polycrystalline thin film solar cells
[DE90-000372] 02 p0232 N91-11297

SITNOV, M. I.
Stochastization of charged particle motion near magnetotail current layer
[DE91-615704] 12 p1922 N91-20573

SIU, S. C.
Modeling of micromechanisms of fatigue and fracture in hybrid materials
[AD-A225042] 03 p0381 N91-12126

SIVAK, M.
Methods for evaluating discomfort glare
[PB91-185132] 21 p3549 N91-29722

SIVASHINSKY, G. I.
Studies in premixed combustion
[DE91-016964] 24 p3974 N91-32198

SIVASHINSKY, GREGORY
Topics in physico-chemical hydrodynamics
[DE91-001674] 05 p0635 N91-13519

SIVERSON, R. J.
Stratospheric ozone conservation by electron attachment to chlorine atoms: The negative-ion chemistry
[DE91-002951] 05 p0686 N91-13815

SIVIA, D. S.
Dynamics of the Anderson model for dilute magnetic alloys: A quantum Monte Carlo and maximum entropy study
[DE91-000445] 07 p0979 N91-15376

SIVIA, DEVINDERJIT S.
Applications of MaxEnt to quantum Monte Carlo
[DE91-000216] 03 p0401 N91-12231

SIVIER, K.
Project Cerberus: Flyby mission to Pluto 08 p1101 N91-16048

SIX, FRANK
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-184044] 10 p1626 N91-18967

SIZEK, H. W.
Mechanical and microstructural response of Ni3Al at high strain rate and elevated temperatures
[DE90-016489] 01 p0027 N91-10162

SIZEMORE, T.
Space platform power system hardware testbed
[NASA-CR-185839] 18 p2938 N91-26204

SJOBLOM, PETER O.
Low-velocity impact testing of thermoplastic and thermoset matrix composite materials
[AD-A236092] 19 p3119 N91-27234

SJOREEN, T. P.
Formation of CoSi2 in SIMOX wafers by high dose Co implantation
[DE91-015639] 21 p3601 N91-30036

SKAGGS, A.
Numerical flow simulation in the slagging stage of an MHD coal combustor
[DE91-009352] 22 p3757 N91-30946

SKALARE, A.
The mm and sub-mm wave planar antenna arrays for SIS detectors 13 p2180 N91-22046

SKARDA, J. RAYMOND LEE
Scaling analysis applied to the NORVEX code development and thermal energy flight experiment
[NASA-TM-104462] 16 p2627 N91-24549

SKATVOLD, ARTHUR R., JR.
Progressive Phase-Rotman-Turner lens feed transmission line network
[AD-D014932] 22 p3662 N91-30386

SKEATE, M. F.
Computed tomography software and standards
[DE91-002573] 05 p0702 N91-13914

SKELTON, R.
Optimal controllers for finite wordlength implementation 14 p2227 N91-22316

SKELTON, ROBERT E.
Closed-form solutions for linear regulator design of mechanical systems including optimal weighting matrix selection
[NASA-TM-104052] 13 p2102 N91-21572

SKERLAVAJ, ANDREJ
Pseudomorphic semiconducting heterostructures from combinations of AlN and GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A230268] 12 p1988 N91-20938

SKIBA, E. L.
Examples manual for program MAVART
[AD-A229104] 12 p1954 N91-20747

SKIBA, EDWARD L.
User's manual for program MAVART
[AD-A233426] 16 p2670 N91-24777

SKIBA, I. A.
Visual accommodation in cosmonauts 18 p3024 N91-26697

SKIBINSKI, MARK
The effects of space debris on solar propulsion
[AD-A235257] 18 p2936 N91-26192

SKIDMORE, TRENT
Analyzing thought-related electroencephalographic data using nonlinear techniques 11 p1638 N91-19031

SKIFF, B. A.
Some insights on solar variability from precision stellar astronomical photometry 03 p0440 N91-12458

SKIGEMITSU, JUNKO
Fermions in the hypercharge sector of the standard lattice electroweak theory: Global limit
[DE90-009731] 08 p1239 N91-16827

SKILES, JAY
The Pilot Land Data System (PLDS) at the Ames Research Center manages aircraft data in collaboration with an ecosystem research project 17 p2793 N91-25450

SKILLMAN, EVAN D.
Spatially resolved optical and near infrared spectroscopy of I Zw 18 05 p0745 N91-14154

SKINN, DONALD A.
Study of bird ingestions into small inlet area aircraft turbine engines
[DOT/FAA/CT-90/13] 13 p2022 N91-21122
SKINNER, D. J.
Effect of thermal exposure, forming, and welding on high-temperature, dispersion-strengthened aluminum alloy: Al-8Fe-1V-2Si
[NASA-CR-187575] 24 p3974 N91-32200
SKINNER, K.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651
SKINNER, N. C.
Postural changes following sensory reinterpretation as an analog to spaceflight 11 p1748 N91-19610
SKINNER, S. BALLOU
A flammability study of thin plastic film materials 11 p1825 N91-20034
SKLAD, P. S.
Domain boundaries formed during epitactical growth of alpha-Al2O3
[DE91-005018] 08 p1236 N91-16814
Formation and annealing behavior of an amorphous layer induced by tin implantation into sapphire
[DE91-015929] 24 p4108 N91-32960
SKLANSKY, JACK
Real-time recognition of multiple targets
[AD-A238364] 22 p3737 N91-30811
SKOBELEV, V. V.
On the temperature corrections for QED operators in the superstrong magnetic field
[DE91-619627] 13 p2146 N91-21822
SKOCYPEC, R. D.
Modeling laser ignition of explosives and pyrotechnics: Effects and characterization of radiative transfer
[DE90-011052] 08 p1121 N91-16161
SKOCYPEC, RUSSELL D.
Carbon dioxide reforming of methane in a solar volume-TRIC receiver-reactor: The CAESAR (Catalytically Enhanced Solar Absorption Receiver) project
[DE91-002340] 05 p0683 N91-13800
Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish. 2: Modeling and analysis
[DE91-005859] 10 p1540 N91-18475
Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish
[DE91-005054] 10 p1544 N91-18497
SKOFRONICK, J. G.
He atom surface spectroscopy: Surface lattice dynamics of insulators, metals, and metal overlayers
[DE91-001993] 06 p0879 N91-14855
SKOGERBOE, PAUL E.
Local and spatially averaged heat transfer distributions in a curved channel with 40 to 1 aspect ratio for Dean numbers from 50 to 200
[NASA-CR-187842] 07 p1001 N91-15498
SKOLNIK, MERRILL I.
An introduction to impulse radar
[AD-A229381] 22 p3657 N91-30355
SKOOG, AKE INGEMAR
Plant production as part of a Controlled Ecological Life Support System (CELSS) 11 p1755 N91-19656
SKOOG, I.
EVA servicing: The Hermes capability 15 p2450 N91-23575
SKOPEC, M.
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
SKOROMNYY, N. A.
Cerebral-vascular effects of motion sickness 10 p1561 N91-18584
SKOTHEIM, T. A.
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828
SKOWRONSKI, VANCE D.
A Motion Activated Articulating Seat (MAAS): A dynamic concept for cockpit seat design in high performance aircraft
[AD-A231698] 16 p2664 N91-24738
SKUBIC, P. L.
Radiation effects on JFETs (Junction Field-Effect Transistors), MOSFETs, and dipolar transistors, as related to SSC circuit design
[DE91-001486] 05 p0652 N91-13618
SKUBIC, PAT
Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484
SKULACHEV, D.
RELICT 2 project: Scientific program and structure 13 p2174 N91-21998
SKUMANICH, A.
Rapid thermal annealing effects in In(x)Ga(1-x)As/GaAs strained-layer superlattices
[DE91-015901] 23 p3933 N91-31978
SKYLLINGSTAD, E. D.
The effects of critical layers on atmospheric cnoidal waves
[DE90-016540] 01 p0073 N91-10440
Terrain-induced mesoscale circulations in the Columbia Basin
[DE90-016338] 01 p0093 N91-10541
SLABE, MELISSA E.
Effect of lightning strike on bromine intercalated graphite fiber/epoxy composites
[NASA-TM-104507] 24 p3970 N91-32177
SLABOSPITSKY, S. R.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856
SLACK, DAVID CHRISTOPHER
The development of solution algorithms for compressible flows 24 p4011 N91-32423
SLACK, MARC GLENN
Situationally driven local navigation for mobile robots 03 p0408 N91-12281
SLADE, R.
Composite-faced sandwich construction for primary spacecraft structures 24 p3969 N91-32170
SLAGLE, O. D.
The effects of neutron irradiation on the structure of carbon-carbon composites
[DE91-010135] 19 p3117 N91-27222
SLANE, STEVEN
A calorimetric investigation of deuterated palladium electrodes
[AD-A237571] 21 p3505 N91-29456
Measurement of lithium cycling efficiency in organic electrolytes
[AD-A237632] 21 p3505 N91-29457
SLANINA, J. T.
Liquid honing evaluation
[DE91-015749] 21 p3495 N91-29393
SLATER, G. L.
Multivariable methods for the design, identification, and control of large space structures. Volume 1: Estimator Eigenvalue placement in positive real design
[AD-A226525] 05 p0628 N91-13477
Multivariable methods for the design, identification, and control of large space structures. Volume 3: A study of the integrated control/structure design optimization problem for large flexible structures
[AD-A226526] 05 p0628 N91-13478
SLATER, GARY L.
Active versus passive damping in large flexible structures 14 p2230 N91-22338
SLATER, HOWARD
Applied high-speed imaging for the icing research program at NASA Lewis Research Center
[NASA-TM-104415] 18 p2987 N91-26490
SLATER, P. N.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475
The in-flight calibration of a helicopter-mounted Daedalus multispectral scanner
[DE91-013054] 20 p3286 N91-28170
SLATKIN, D. N.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
SLATTERY, KERRY TIMOTHY
A statistically-based model of the interacting processes which lead to creep-rupture in filament-wound composite pressure vessels 06 p0801 N91-14420
SLATTERY, W. L.
Effects of a giant impact on Uranus 11 p1822 N91-20012
SLAUGHTER, C. D.
Evaluating some computer enhancement algorithms that improve the visibility of cometary morphology 17 p2895 N91-26000
SLAUGHTER, WILLIAM S.
A model for load-transfer from an embedded fiber to an elastic matrix
[AD-A228466] 09 p1303 N91-17149
SLAVIK, DONALD C.
Environment enhanced fatigue of advanced aluminum alloys and metal matrix composites 19 p3129 N91-27286
SLAVIN, J.
Preliminary calibration plan for the Advanced Particles and Field Observatory (APAFO) magnetometer experiment
[NASA-TM-104545] 22 p3630 N91-30200
SLAVIN, JAMES A.
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
SLAVIN, JONATHAN DAVID
Diffuse gas in the interstellar medium: Studies involving coupled ionization, radiation and dynamics 10 p1617 N91-18914
SLAVIN, MICHAEL J.
A proposed standard practice for fractographic analysis of monolithic advanced ceramics
[AD-A231989] 14 p2250 N91-22447
SLAWSON, DEAN A.
The evaluation of expert system shells
[AD-A233496] 16 p2676 N91-24812
SLEEFE, G. E.
The development of a rugged accelerometer
[DE91-007731] 11 p1708 N91-19407
SLEEP, M. R.
An infinitary Church-Rosser property for non-collapsing orthogonal term rewriting systems
[CWI-CS-R9043] 17 p2833 N91-25653
Transfinite reductions in orthogonal term rewriting systems
[CWI-CS-R9041] 17 p2844 N91-25720
Transfinite reductions in orthogonal term rewriting systems (extended abstract)
[CWI-CS-R9042] 17 p2844 N91-25721
SLEEP, N. H.
Origin and thermal evolution of Mars
[NASA-CR-188095] 14 p2353 N91-23011
SLEIGHT, DAVID W.
On-orbit structural dynamic performance of a 15-meter microwave radiometer antenna
[NASA-TP-3041] 09 p1296 N91-17114
SLEMP, WAYNE S.
Spectrophotometer-integrating-sphere system for computing solar absorptance
[NASA-TM-4252] 12 p1902 N91-20465
Evaluation of thermal control coatings for use on solar dynamic radiators in low Earth orbit
[NASA-TM-104335] 14 p2235 N91-22367
Chemical characterization of selected LDEF polymeric materials 16 p2713 N91-25019
Effects of LDEF flight exposure on selected polymeric films and thermal control coatings 16 p2716 N91-25034
Effects of LDEF flight exposure on selected polymer matrix resin composite materials 16 p2719 N91-25053
SLEMROD, MARSHALL
Problems in nonlinear continuum dynamics
[AD-A237844] 21 p3514 N91-29512
SLENDER, ANDRE GUILLAUME JOSEPH
A generalised approach to gate array layout design automation
[ISBN-90-9003442-0] 14 p2309 N91-22761
SLENZKA, KLAUS
Effect of hyper-gravity on the swimming behavior of aquatic vertebrates 11 p1750 N91-19626
Morphological, electronmicroscopical and biochemical aspects of hyper-gravity conditions during early ontogenetic development of Cichlid fish 11 p1752 N91-19638
SLIFER, LUTHER W., JR.
Performance, size, mass, and cost estimates for projected 1kW EOL Si, InP, and GaAs arrays 11 p1669 N91-19199
SLIJKHUIS, S.
Dust around Mira variables: An analysis of IRAS LRS spectra 06 p0910 N91-15026
Compact reflection nebulae, a transit phase of evolution from post-AGB to planetary nebulae 06 p0911 N91-15029
SLINEY, DAVID H.
Laser hazards bibliography, January 1991
[AD-A232690] 15 p2434 N91-23487
SLINEY, HAROLD E.
Composite bearing and seal materials for advanced heat engine applications to 900 C
[NASA-TM-103612] 07 p0969 N91-15318
Mechanical strength and thermophysical properties of PM212: A high temperature self-lubricating powder metallurgy composite
[NASA-TM-103694] 13 p2054 N91-21302
Solid lubricants
[NASA-TM-102803] 14 p2241 N91-22396
The PM-200 lubrication system 14 p2358 N91-23044
Quality control of the tribological coating PS212
[NASA-TM-102067] 17 p2744 N91-25186
Method of making carbide/fluoride/silver composites
[NASA-CASE-LEW-14902-1] 19 p3121 N91-27244
PM200/PS200: Self-lubricating bearing and seal materials for applications to 900 C
[NASA-TM-103776] 22 p3689 N91-30539

SLINGERLAND, F.
Performance and operational capabilities of the Large European Acoustic Facility (LEAF)
07 p0954 N91-15245
SLINGO, A.
A GCM parameterization for the shortwave radiative properties of water clouds 01 p0083 N91-10494
SLINGO, JULIA M.
Cloud forcing: A modeling perspective
[DE91-007215] 11 p1737 N91-19551
SLINGSBY, PATRICIA L.
Tropospheric propagation modelling with the parabolic equation
[AD-A229853] 12 p1881 N91-20338
SLINKER, S. P.
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
Theory of electron beam tracking in reduced-density channels
[AD-A233387] 16 p2683 N91-24855
SLINKER, STEVEN P.
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
SLOAN, GEORGE
An algorithm for using a slide-screw tuner as a computer-controlled impedance
[DE90-010657] 08 p1132 N91-16226
SLOAN, M. L.
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918
SLOBIN, S. D.
Efficiency calibration of the DSS 13 34-meter diameter beam waveguide antenna at 8.45 and 32 GHz
24 p3986 N91-32271
SLOCUM, A. H.
Five degree-of-freedom control of an ultra-precision magnetically-suspended linear bearing
13 p2036 N91-21196
SLOCUM, ROBERT E.
Metal thin-film optical polarizers for space applications, phase 2
[NASA-CR-188202] 15 p2507 N91-23891
SLONE, JAMES C., JR.
Magnetic field generator
[AD-D014869] 18 p2979 N91-26449
SLOOFF, J. W.
Optimization of target pressure distributions
10 p1458 N91-18038
SLOT, H.
Investigation of a thermal infrared detector array
[BCRS-90-20] 14 p2268 N91-22547
SLOTEMAN, DONALD P.
Fluctuating pressures in pump diffuser and collector scrolls, part 1
[NASA-CR-183781] 16 p2628 N91-24554
SLOTNICK, JEFF P.
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
SLUIMAN, ERIK
Linear data structures for storage allocation in attribute evaluators
[MEMO-INF-91-14] 22 p3724 N91-30723
SLUITER, M.
A comparative study of short range order in Fe-Cr and Fe-V alloys around equiatomic composition
[DE91-005230] 10 p1604 N91-18848
Theoretical investigation of phase stability in non-magnetic Fe-V substitutional alloys
[DE91-006711] 11 p1682 N91-19268
First principles calculation of phase stability of high temperature intermetallic alloys
[DE91-008570] 12 p1871 N91-20282
From electronic structure to alloy phase stability
[DE91-011187] 17 p2760 N91-25281
SLUSHER, G.
Smoke and extinguisher agent dissipation in a small pressurized fuselage
[DOT/FAA/CT-89/31] 06 p0778 N91-14317
SLUTZ, RODGER J.
A 10,000-hr life test of an engineering model resistojet
[NASA-TM-103216] 03 p0324 N91-11802
SLYSH, V. I.
The plasma model of radioemission from SN 1987A
06 p0923 N91-15101
SMAGA, J. A.
Performance and life evaluation of advanced battery technologies for electric vehicle applications
[DE91-015671] 21 p3509 N91-29482
SMAGA, JOHN A.
Self-discharge study of Li-alloy/FeS2 thermal cells
[DE90-010659] 08 p1169 N91-16438
SMAGIN, D. M.
Effect of turbulence on impurity observation in upper atmosphere using lidar method
18 p3003 N91-26584
SMAJKIEWICZ, ALI
Transmittance measurements of ultra violet and visible wavelength interference filters flown aboard LDEF
16 p2722 N91-25078
SMALE, MARK WILTON
Fundamental studies of hydrocarbon conversions over supported bimetallic catalysts
[DE90-011744] 08 p1109 N91-16089
SMALL, H.
Bibliometrics of basic research
[PB91-166579] 19 p3262 N91-28046
SMALL, J. C.
Some recent applications of numerical methods to geotechnical analysis
[PB90-201229] 01 p0112 N91-10655
SMALL, LYNN R.
SE and I system testability: The key to space system FDIR and verification testing 09 p1283 N91-17053
SMALLEY, R. B., JR.
Space aging of solid rocket materials
16 p2719 N91-25058
SMALLEY, R. E.
Ammonia chemisorption studies on silicon cluster ions
[AD-A224949] 04 p0500 N91-12776
Ultraviolet photoelectron spectra of gallium arsenide clusters
[AD-A224927] 13 p2047 N91-21261
SMALLEY, RICHARD E.
Semiconductor cluster surface chemistry
[AD-A224947] 03 p0337 N91-11891
Direct injection supersonic cluster beam source for FT-ICR studies of clusters
[AD-A224948] 03 p0338 N91-11892
Laser annealing of silicon clusters
[AD-A224946] 03 p0344 N91-11926
SMALLWOOD, DAVID O.
Development of the force envelope for an acceleration/force extremal controlled vibration test
[DE90-015712] 01 p0056 N91-10329
Composite slip table of dissimilar materials for damping longitudinal modes
[DE90-015128] 02 p0190 N91-11064
SMARR, LARRY
Computing and data processing
24 p4120 N91-33028
SMART, D.
Solar-Terrestrial Predictions. Proceedings of a Workshop. Volume 1: Working group reports, review papers and solar papers
[PB91-197079] 22 p3777 N91-31064
Solar-Terrestrial Predictions: Proceedings of a workshop. Volume 2: Geomagnetic and space environment papers and ionosphere papers
[PB91-197087] 22 p3777 N91-31065
SMARTT, H. B.
Heat and mass transfer in the gas tungsten and gas metal arc welding processes
[DE91-010089] 15 p2439 N91-23510
SMARTT, HERSCHEL B.
Sensing of metal-transfer mode for process control of GMAW (Gas Metal Arc Welding)
[DE90-010946] 08 p1158 N91-16377
The dynamics of droplet formation and detachment in gas metal arc welding
[DE91-006130] 10 p1531 N91-18437
A model-based approach to intelligent control of gas metal arc welding
[DE91-006170] 10 p1532 N91-18439
SMATHERS, J.
Light particle emissions in heavy ion reactions
[DE91-010746] 15 p2504 N91-23871
SMEDLEY, GREGORY TODD
A study of immiscible liquids, liquid behavior at zero gravity, and dynamic contact lines and angles
16 p2622 N91-24519
SMEETS, G.
The ISL hypersonic shock tunnel and its instrumentation
[ISL-CO-213/89] 01 p0014 N91-10086
Turbulent boundary layers in high enthalpy flows. Numerical code validation by shock tube experiments
[ISL-CO-221/89] 01 p0042 N91-10246
Laser-Doppler velocimeter measurements of shock and piston induced turbulent boundary layer in a shock tube
[ISL-CO-227/89] 03 p0366 N91-12050
The laser-Doppler-velocimeter for flow diagnostics: Density and velocity measurements in post-piston boundary layer flow
[ISL-CO-208/90] 12 p1899 N91-20442
Deep overheating of thin bodies in flight with very low-angled trajectory
[ISL-R-126/89] 13 p2019 N91-21107
Possibilities of trajectory modification
[ISL-CO-209/90] 13 p2028 N91-21151
SMETSERS, J. E. W.
The ABC-machine: A sequential stack-based abstract machine for graph rewriting
[TR-90-22] 23 p3909 N91-31824
SMEULDERS, P.
High density regimes and beta limits in JET
[DE91-005490] 13 p2156 N91-21885
SMIALEK, JAMES L.
Oxidation resistant coatings for titanium alloys and titanium alloy matrix composites
[NASA-CASE-LEW-15155-1] 18 p2966 N91-26375
Low cost, formable, high T(sub c) superconducting wire
[NASA-CASE-LEW-14676-1] 23 p3861 N91-31529
SMID, H. J.
Execution and evaluation of computer assisted education in the field of goniometry
[REPT-89-79] 03 p0407 N91-12270
SMIDT, R. K.
Extending the alias Monte Carlo sampling method to general distributions
[DE91-007619] 10 p1587 N91-18752
SMIDT, ROBERT K.
The alias method: A fast, efficient Monte Carlo sampling technique
[DE91-006244] 09 p1393 N91-17666
SMIRNOV, YU. P.
Double 4f-collapse in Ce(0.9-x)Yb(x)Th(0.1)
[DE91-619752] 13 p2160 N91-21908
SMIT, A.
The LDEF ultra heavy cosmic ray experiment
16 p2709 N91-24994
SMIT, D. J.
Symmetries on the space of (2,2) superstring vacua and automorphism groups of Calabi-Yau manifolds
[DE91-008218] 11 p1812 N91-19951
SMIT, GERARD J. M.
Communication issues for parallel systems
[MEMO-INF-90-54] 10 p1577 N91-18682
An algorithm for generating node disjoint routes in Kautz digraphs
[MEMO-INF-90-43] 22 p3738 N91-30823
SMIT, J.
Techniques to assess the state of health of sealed lead acid batteries
[CTN-91-60214] 23 p3859 N91-31515
SMIT, JOHN H.
A modern approach to battery testing: Infrared thermography and voltage noise measurements
[CTN-91-60215] 22 p3669 N91-30429
SMITH-MADDOX, RENEE P.
Encouraging the pursuit of advanced degrees in science and engineering: Top-down and bottom-up methodologies 19 p3271 N91-28095
SMITH-WACKERLE, V. L.
An evaluation of nickel-aluminum coatings fabricated with the plasma-spray process
[DE91-013208] 21 p3484 N91-29328
SMITH, A.
Which theorem prover (A survey of four theorem provers)
[RSRE-MEMO-4430] 12 p1959 N91-20779
SMITH, A. C.
An evaluation of co-planar lineament analysis and some thoughts on using surface geological data to predict sub-surface geology
[DE90-009687] 11 p1738 N91-19556
SMITH, A. D.
Analog superconductive electronics for avionics
05 p0723 N91-14040
SMITH, A. E.
AQUIS: An air quality and permit information management system
[DE91-011750] 18 p3008 N91-26608
SMITH, A. F.
Bayesian analysis of constrained parameter and truncated data problems
[AD-A231080] 13 p2144 N91-21810
Bayes theorem from a sampling-resampling perspective
[AD-A239515] 23 p3923 N91-31919
SMITH, ADRIAN F. M.
Hierarchical Bayesian analysis of change point problems
[AD-A228179] 08 p1211 N91-16666
SMITH, ALAN R.
Radioactivities of Long Duration Exposure Facility (LDEF) materials: Baggage and bonanzas
16 p2708 N91-24984
SMITH, ALVIN
Large space structures fielding plan
[AD-A232097] 15 p2389 N91-23227

Subcooled freon-11 flow boiling in top-heated finned coolant channels with and without a twisted tape
19 p3275 N91-28116

SMITH, B.
Atmospheric performance of the special-purpose Solar Energy Research Institute (SERI) thin-airfoil family: Final results
[DE90-000373] 02 p0230 N91-11287
Production status of GaAs/Ge solar cells and panels
22 p3632 N91-30212

SMITH, B. F.
An experimental study of counter-rotating cores in elliptical galaxies 08 p1259 N91-16934
An iterative substructuring algorithm for problems in three dimensions
[DE91-014388] 20 p3386 N91-28758

SMITH, B. J.
High spatial resolution 100 micron observations of the M83 bar 05 p0740 N91-14130

SMITH, B. K.
Micromachined sensors and actuators
[DE91-008257] 12 p1908 N91-20498
Interfacial force sensor with force-feedback control
[DE91-004897] 18 p2988 N91-26495

SMITH, B. V.
Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626

SMITH, BARBARA K.
International aircraft operator information system, phase 2
[NIAR-90-31] 07 p1077 N91-15928

SMITH, BARHAM W.
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720

SMITH, BARRY D.
The range scheduling aid 12 p1940 N91-20675

SMITH, BARRY T.
Damage assessment and residual compression strength of thick composite plates with through-the-thickness reinforcements
[NASA-CR-187377] 05 p0631 N91-13494

SMITH, BRADFORD
Deployable robotic woven wire structures and joints for space applications 12 p1938 N91-20662

SMITH, BRIAN
Experiences porting the distributed Ada real-time kernel
[AD-A226693] 06 p0859 N91-14742

SMITH, BRYAN K.
Rapid thermal cycling of solar array blanket coupons for Space Station Freedom 22 p3637 N91-30239

SMITH, C.
RL10A-3-3B high mixture ratio qualification program
[NASA-CR-183200] 05 p0629 N91-13486
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050

SMITH, C. A.
A comparison of ground-based and space flight data: Atomic oxygen reactions with boron nitride and silicon nitride
[NASA-TM-103385] 10 p1555 N91-18550
Atomic oxygen effects on boron nitride and silicon nitride: A comparison of ground based and space flight data
11 p1660 N91-19146

SMITH, C. C.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252

SMITH, C. E.
A CFD study of jet mixing in reduced flow areas for lower combustor emissions
[NASA-TM-104411] 15 p2382 N91-23185
CFD analysis of jet mixing in low NOx flametube combustors
[NASA-TM-104466] 18 p2926 N91-26146

SMITH, C. FREDERIC
High alpha inlets 12 p1836 N91-20091

SMITH, C. R.
Bibliography on metrication
[AD-A224996] 04 p0513 N91-12848
Theory of radar target discrimination
[AD-A234172] 18 p2974 N91-26420
Three-dimensional vortex dynamics and interactions in near-wall turbulent boundary layers
[AD-A237413] 21 p3513 N91-29507
Development of the arc shattering concept of energy efficient comminution of hard materials, addendum
[DE91-014291] 22 p3749 N91-30899

SMITH, CHARLES A.
Aeroacoustic and aerodynamic applications of the theory of nonequilibrium thermodynamics
[NASA-TP-3118] 17 p2774 N91-25352

SMITH, CHARLES D.
Helicopter far-field acoustic levels as a function of reduced main-rotor advancing blade-tip Mach number
[NASA-TM-102684] 01 p0118 N91-10699

SMITH, CHARLES F.
Apparatus for determining microwave characteristics of superconductive materials using a resonant cavity and calibration waveguides
[AD-D014694] 11 p1806 N91-19918

SMITH, CHARLES W.
Large scale motions of Neptune's bow shock: Evidence for control of the shock position by the rotation phase of Neptune's magnetic field
[NASA-CR-188059] 14 p2343 N91-22954

SMITH, CHRISTOPHER DUNN
Modeling of a large class of undamped flexible structures experiencing large angular excursions
24 p4031 N91-32525

SMITH, CLIFFORD E.
Rapid mix concepts for low emission combustors in gas turbine engines
[NASA-CR-185292] 11 p1640 N91-19048

SMITH, D.
Space station automation of common module power management and distribution, volume 2
[NASA-CR-184035] 04 p0495 N91-12748

SMITH, D. A.
Morphology and motion of the interface between amorphous and crystalline cobalt disilicide
[DE91-004440] 07 p1073 N91-15906

SMITH, D. BARTON
Resonance ionization spectroscopy of molecular clusters using picosecond lasers
[DE90-017334] 02 p0193 N91-11080
Picosecond multiphoton ionization of atomic and molecular clusters
[DE91-000641] 08 p1110 N91-16096
Evaluation of thermographic phosphor technology for aerodynamic model testing
[DE91-005631] 10 p1461 N91-18060
Dynamic high-temperature-phosphor thermometry
[DE91-005632] 10 p1526 N91-18405

SMITH, D. H.
Applications of diode lasers to resonance ionization mass spectrometry
[DE90-017768] 02 p0194 N91-11084
Application of diode lasers to resonance ionization mass spectrometry
[DE91-000614] 08 p1110 N91-16094

SMITH, D. J.
Measurements of exhaled breath using a new portable sampling method
[PB90-250135] 04 p0550 N91-13053
COLDEX-86: Physical work capacity during prolonged cold water immersion at 6.1 msw
[AD-A233767] 18 p3027 N91-26710
COLDEX-86: Fluid and electrolyte changes during prolonged cold water immersion
[AD-A233768] 18 p3027 N91-26711
COLDEX-86: Summary of the experimental protocol and general results
[AD-A234031] 18 p3028 N91-26715

SMITH, D. L.
Nonlinear optical absorption in intrinsic Stark effect superlattices
[DE90-016466] 01 p0130 N91-10767
Photoabsorption modulation in GaAs: Ga(1-x)In(x) as strained-layer superlattices
[DE91-000440] 04 p0591 N91-13301
Applications of strained layer superlattices
[DE90-011204] 08 p1232 N91-16793
Swelling and tensile properties of neutron-irradiated vanadium alloys
[DE91-006588] 09 p1317 N91-17228
Pulsed power performance of the new RLA (Recirculating Linear Accelerator)
[DE91-004723] 15 p2506 N91-23885
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333
Growth condition dependence of RHEED pattern from GaAs(111)B surface
[DE91-014770] 21 p3593 N91-29986

SMITH, D. R.
Thermal conductivity of a polyimide film between 4.2 and 300 K, with and without alumina particles as filler
[PB91-144402] 16 p2604 N91-24431

SMITH, DALE L.
Relationship of microstructure and tensile properties for neutron-irradiated vanadium alloys
[DE90-017863] 02 p0197 N91-11105

SMITH, DAN M., JR.
Flight motor set 36OH005 (STS-28R). Volume 5: (Nozzle component)
[NASA-CR-184027] 04 p0494 N91-12746

SMITH, DAN T.
Development of a test-bed for real-time monitoring of pilot mental status 08 p1194 N91-16563

SMITH, DARRYL L.
Small band gap superlattices as intrinsic long wavelength infrared detector materials 06 p0798 N91-14405

SMITH, DAVE
LDEF electronic systems: Successes, failures, and lessons 16 p2724 N91-25085

SMITH, DAVID
Ion and electron interactions at thermal and suprathermal energies
[AD-A230492] 12 p1976 N91-20872

SMITH, DAVID A.
In situ study of the effects of heavy-ion irradiation on co-evaporated CoSi2 films
[DE91-006419] 09 p1415 N91-17792
In situ study of effects of ion-irradiation on solid state crystallization of cobalt disilicide thin films
[DE91-006547] 09 p1417 N91-17798

SMITH, DAVID E.
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597

SMITH, DEAN S.
The remotely piloted vehicle as an earth science research aircraft 17 p2799 N91-25484

SMITH, DENNIS A.
Control circuitry using electronic emulation of a synchro signal for accurate control of position and rate of rotation for shafts
[NASA-CASE-MFS-28458-1] 18 p2980 N91-26459

SMITH, DONALD E.
Content addressable memory project
[AD-A234524] 18 p3037 N91-26763

SMITH, DOUGLAS M.
In-situ pore structure analysis during aging and drying of gels
[DE91-000044] 02 p0195 N91-11089

SMITH, DOUGLAS R.
Theory of algorithm structure and design
[AD-A229115] 09 p1386 N91-17621

SMITH, E. A.
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
A comparison of operationally determined atmospheric densities from satellite orbit solutions and the exospheric temperature from the Jacchia-Roberts model
09 p1289 N91-17083

SMITH, EDWYN D.
A demonstration of CMOS VLSI circuit prototyping in support of the site facility using the 1.2 micron standard cell library developed by National Security Agency
[NASA-CR-188014] 13 p2075 N91-21426

SMITH, ELIZABETH A.
Contents of the NASA ocean data system archive, version 11-90
[NASA-CR-187812] 08 p1189 N91-16535

SMITH, ERIC
End-to-end remote sensing at the Science and Technology Laboratory of John C. Stennis Space Center
17 p2797 N91-25473

SMITH, ERIC A.
A comparison of surface sensible and latent heat fluxes from aircraft and surface measurements in FIFE 1987
[NASA-CR-187365] 03 p0383 N91-12136

SMITH, ERIC P.
Multi-color imaging of selected southern interacting galaxies 08 p1247 N91-16867

SMITH, ERNEST K.
NASA propagation information center
03 p0353 N91-11969

SMITH, EVAN A.
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32
09 p1288 N91-17081

SMITH, F. G.
Alleviation of interferences and reduction of sample memory in inductively coupled plasma mass spectrometry
[DE91-016399] 24 p4106 N91-32943

SMITH, G.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475

SMITH, G. D. W.
APFIM characterization of the spinodal decomposition in duplex stainless steels
[DE91-014256] 20 p3319 N91-28371

SMITH, G. LOUIS
Limb-darkening functions as derived from along-track operation of the ERBE scanning radiometers for August 1985
[NASA-RP-1243] 06 p0848 N91-14683
Atlas of wide-field-of-view outgoing longwave radiation derived from Nimbus 7 Earth radiation budget data set, November 1985 to October 1987
[NASA-RP-1261] 16 p2660 N91-24719
SMITH, G. P.
Laser probes of natural gas ignition chemistry
[PB91-127993] 13 p2047 N91-21262
SMITH, G. R.
Physics study of the application of an IFEL (Induction-Accelerator Free-Electron Laser) to CIT
[DE91-004993] 10 p1527 N91-18411
SMITH, G. W.
Measuring neutron fluences and gamma/x ray fluxes with CCD cameras
[DE91-014119] 20 p3349 N91-28549
SMITH, GARY L.
SP-100 design, safety, and testing
[DE90-015374] 09 p1398 N91-17693
SMITH, GARY R.
Compact Ignition Tokamak project: Localizability of electron-cyclotron heating power
[DE91-002571] 05 p0720 N91-14016
SMITH, GORDON N.
Understanding the adoption of Ada: Results of an industry survey
[AD-A226725] 08 p1198 N91-16585
SMITH, H.
Workstation technology and MMI techniques for the Eutelsat 2 telemetry, command and ranging system
14 p2220 N91-22276
SMITH, H. E.
Risk analysis and management
09 p1282 N91-17051
SMITH, H. G.
Surface-bound alkyl monolayers: Electrochemical and structural characterization
[AD-A237604] 22 p3647 N91-30297
Surface-bound biomembranes incorporating receptors: Electrochemical and structural characterization
[AD-A237605] 22 p3647 N91-30298
Evaluation of surface-bound membranes with electrochemical impedance spectroscopy
[AD-A237606] 22 p3647 N91-30299
SMITH, H. I.
Patterning and overgrowth of nanostructure quantum well wire arrays by LP-MOVPE (low pressure-metalorganic vapor phase epitaxy)
[DE91-000717] 04 p0591 N91-13302
SMITH, H. MIKE
Organic getter materials for the removal of hydrogen and its isotopes
[DE90-016284] 01 p0031 N91-10185
SMITH, H. VERNON, JR.
Spatial distributions of the emitting species in a penning surface-plasma source
[DE90-011996] 08 p1228 N91-16772
SMITH, HARLAN J.
Industrial modification of the lunar atmosphere
17 p2907 N91-26052
SMITH, HENRY I.
Distortion-free x ray mask technology
[AD-A226524] 05 p0716 N91-13993
Distortion-free x ray mask technology
[AD-A239770] 23 p3883 N91-31665
SMITH, HENRY M.
Hydrogen-tritium getters and their applications
[DE90-016282] 01 p0031 N91-10184
SMITH, HERB, JR.
Structural risk assessment and aircraft fleet maintenance 01 p0054 N91-10321
SMITH, HOWARD
Crashworthiness experiments
16 p2554 N91-24161
SMITH, HOWARD A.
Dust emission from Barnard 35: Gas heating anomaly resolved 06 p0896 N91-14951
SMITH, I. D.
Pulsed power considerations for electron beam pumped krypton fluoride lasers for inertial confinement fusion applications
[DE91-007471] 10 p1530 N91-18430
SMITH, IAN ANDREW
A new model of PeV gamma ray sources and MHD turbulence in neutron star accretion columns
20 p3445 N91-29122
SMITH, IRA C.
Tuning maps for setpoint changes and load disturbance upsets in a three capacity process under multivariable control
[NASA-TM-104419] 23 p3917 N91-31876
SMITH, J.
DIII-D results and plans
[DE91-001548] 06 p0877 N91-14847
SMITH, J. E.
Coaligned observations of solar magnetic fields at different heights: MSFC Center director's discretionary fund final report (Project No. 88-10)
[NASA-TM-103516] 01 p0141 N91-10832
Measurement of two-phase flow momentum with force transducers
[DE90-008748] 02 p0213 N91-11188
SMITH, J. F.
Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867
SMITH, J. H. B.
Local solution for the flow of an ideal fluid near a separation line
[RAE-TRANS-2181] 09 p1336 N91-17339
A simple model vortex flow past a slender elliptic cone at incidence
[RAE-TM-AERO-2197] 13 p2080 N91-21460
SMITH, J. L.
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300
Fermi surface of YBCO by DHVA
[DE91-009963] 15 p2516 N91-23943
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds
[DE91-016239] 24 p4095 N91-32878
SMITH, J. R.
An elevated temperature titration calorimeter
[DE91-015765] 21 p3520 N91-29548
SMITH, J. S.
Strain enhanced electron spin polarization observed in photoemision from InGaAs
[DE91-012319] 20 p3425 N91-28996
SMITH, JAMES E.
NASA Marshall Space Flight Center Solar Observatory report, July - September 1990
[NASA-TM-103531] 14 p2343 N91-22951
NASA Marshall Space Flight Center Solar Observatory report, October - December 1990
[NASA-TM-103532] 14 p2343 N91-22952
SMITH, JAMES E., JR.
High temperature furnace modeling and performance verifications
[NASA-CR-187831] 08 p1099 N91-16032
SMITH, JAMES T.
TDRSS momentum unload planning
14 p2312 N91-22771
SMITH, JEANNETTE W.
Flow visualization studies of blowing from the tip of a swept wing
[NASA-TM-4217] 06 p0771 N91-14274
SMITH, JEFFREY H.
An application of multiattribute decision analysis to the Space Station Freedom program. Case study: Automation and robotics technology evaluation
[NASA-CR-187432] 05 p0627 N91-13476
Generic extravehicular (EVA) and telerobot task primitives for analysis, design, and integration. Version 1.0: Reference compilation for the EVA and telerobotics communities
[NASA-CR-187429] 05 p0696 N91-13876
SMITH, JEFFREY J.
Minimum orbits about the planet Venus
[AD-A230756] 12 p2007 N91-21050
SMITH, JEROME A.
Interaction of surface waves and near surface currents
[AD-A231612] 13 p2125 N91-21694
SMITH, JOEL B.
Potential effects of global climate change on the United States. Appendix C: Agriculture, volume 1
[PB90-171588] 01 p0066 N91-10394
Potential effects of global climate change on the United States. Appendix A: Water resources
[PB90-171968] 01 p0066 N91-10395
Potential effects of global climate change on the United States. Appendix B: Sea level rise
[PB90-172628] 01 p0066 N91-10396
Potential effects of global climate change on the United States. Appendix C: Agriculture, volume 2
[PB90-171596] 01 p0066 N91-10397
Potential effects of global climate change on the United States. Appendix D: Forests
[PB90-173238] 01 p0066 N91-10398
Potential effects of global climate change on the United States. Appendix E: Aquatic resources
[PB90-172297] 01 p0066 N91-10399
Potential effects of global climate change on the United States. Appendix F: Air quality
[PB90-172230] 01 p0067 N91-10400
Potential effects of global climate change on the United States. Appendix G: Health
[PB90-173881] 01 p0067 N91-10401
Potential effects of global climate change on the United States. Appendix H: Infrastructure
[PB90-172313] 01 p0067 N91-10402
Potential effects of global climate change on the United States. Appendix I: Variability
[PB90-173899] 01 p0067 N91-10403
Potential effects of global climate change on the United States. Appendix J: Policy
[PB90-173188] 01 p0067 N91-10404
SMITH, JOHN B.
A cognitive basis for a computer writing environment
[AD-A225734] 04 p0561 N91-13115
Using computer-generated protocols to study writers' planning strategies
[AD-A228875] 08 p1242 N91-16844
Search improvement via automatic query reformulation
[AD-A236588] 19 p3261 N91-28037
SMITH, JOHN H.
Institute for Materials Science and Engineering: Metallurgy Division, technical activities 1990
[PB91-132225] 16 p2599 N91-24403
Intercomparison study of Rockwell hardness test blocks
[PB91-167338] 19 p3182 N91-27595
SMITH, JOSEPH G., JR.
Preparation of polyimides from bis(N-isoprenyl)s of aryl diamides
[NASA-CASE-LAR-14330-1-CU] 05 p0642 N91-13560
SMITH, K. C.
Carbon and nitrogen abundances in HgMn stars
09 p1435 N91-17904
SMITH, KENNETH M.
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] 06 p0787 N91-14357
SMITH, KENNETH O.
Ultra-low NOx gas turbine combustor
[PB91-184994] 21 p3528 N91-29601
SMITH, KENNETH S.
An investigation of a gravity wave during GALE: February 6, 1986
[AD-A227655] 08 p1185 N91-16519
SMITH, KEVIN
The 28-entity IGES test file results using ComputerVision CADDS 4X
[NASA-CR-187402] 04 p0559 N91-13099
Recreation of the 28-entity IGES test file using the ComputerVision CADDS 4X
[NASA-CR-187403] 04 p0559 N91-13100
SMITH, L. E.
Polymers: Technical activities, 1990
[PB91-159715] 17 p2763 N91-25297
SMITH, L. J.
New results of the UV variability of the WR stars HD 50896 and HD 192163 09 p1435 N91-17907
SMITH, L. K.
Laser performance and optical properties of LiSrGaF6:Cr(3+)
[DE91-016555] 24 p4023 N91-32481
SMITH, L. M.
Proceedings of the Relevance of Mass Spectrometry to DNA Sequence Determination: Research Needs for the Human Genome Program Workshop
[DE91-004117] 07 p1034 N91-15672
SMITH, LAVERNE
The formation and study of titanium, zirconium, and hafnium complexes 19 p3270 N91-28085
SMITH, LEIGH A.
Applications of a transonic wing design method
02 p0153 N91-10890
SMITH, LEIGH ANN
A method for the design of transonic flexible wings
[NASA-TP-3045] 06 p0780 N91-14323
SMITH, LEONARD
Structures observed on the spot radiance fields during the FIRE experiment 01 p0085 N91-10503
SMITH, LESLIE A.
RNG and turbulence modeling
23 p3867 N91-31570
SMITH, M. D.
Surface modification of high-strength reinforcing fibers by plasma treatment
[DE91-016481] 24 p3979 N91-32226
SMITH, M. F.
HVOF: Particle, flame diagnostics, and coating characteristics
[DE91-014654] 23 p3809 N91-31248
A comparison of techniques for the metallographic preparation of thermal sprayed samples
[DE91-014704] 23 p3813 N91-31272

Process for producing plasma sprayed carbide-based coatings with minimal decarburization and near theoretical density
[DE91-012016] 23 p3817 N91-31292
Beneficial effects of austemper post-treatment on tungsten carbide based wear coatings
[DE91-013260] 23 p3817 N91-31293

SMITH, M. G.
Fe site occupancy and superconductivity in Y(1-z)Ca(z)Ba(z) (Cu(1-x)Fe(x))3O(6+y)
[DE90-016614] 01 p0131 N91-10774

SMITH, M. J. T.
Do we really need 57 ways of rating aircraft noise
[PNR-90720] 01 p0119 N91-10704

SMITH, M. T.
Acoustic emission-fracture strength relations for Al/Gr composites
[DE91-009106] 13 p2045 N91-21251

SMITH, M. W.
Radio aids to navigation requirements: The 1988 simulator experiment
[AD-A226235] 04 p0476 N91-12657

SMITH, MATT
WetNet operations 24 p4058 N91-32668

SMITH, MATTHEW R.
A PC-based multispectral scanner data evaluation workstation: Application to Daedalus scanners 17 p2797 N91-25471

SMITH, MAUREEN
Evaluation of prototype air/fluid separator for Space Station Freedom Health Maintenance Facility 24 p4080 N91-32791

SMITH, MERRITT H.
Simulation of powered-lift flows 02 p0152 N91-10886

SMITH, MICHAEL G.
Changes in Fe site occupancy and (Tc) in YBa2(Cu(1-x)Fe(x))3O(y) through processing
[DE90-010614] 09 p1409 N91-17751

SMITH, MIKE
NRL tethered balloon measurements at San Nicolas Island during FIRE IFO 1987 01 p0086 N91-10509

SMITH, MYRON A.
A revised parametrization of the dispersion constants for high dispersion IUE images 09 p1448 N91-17989
A new approach to remove interorder background in high dispersion IUE images 09 p1448 N91-17990

SMITH, N. K.
Determination of ideal-gas enthalpies of formation for key compounds: The 1988 project results
[DE90-000247] 01 p0134 N91-10791

SMITH, P.
Tractable high performance polymers
[AD-A231072] 13 p2057 N91-21320

SMITH, P. A.
High resolution sub-millimetre mapping of starburst galaxies: Comparison with CO emission 05 p0740 N91-14129

SMITH, P. F.
Prospects for relic neutrino detection
[RAL-91-017] 22 p3753 N91-30923
Supernova detectors based on coherent nuclear recoil
[RAL-91-016] 22 p3778 N91-31074

SMITH, P. R.
Computer-aided control law research: From concept to flight test 07 p1044 N91-15731

SMITH, P. S.
Project Records Information System (PRIS)
[DE91-004901] 07 p1077 N91-15924
Engineering Design Information System (EDIS)
[DE91-004904] 07 p1077 N91-15925

SMITH, P. W.
Considerations for the design of gas-lubricated slider bearings
[PB91-170126] 19 p3177 N91-27568

SMITH, PATRICK M.
Measurements of To temperatures of supersaturated Si-As alloys
[DE91-006774] 10 p1500 N91-18254

SMITH, PAUL
NASA information sciences and human factors program
[NASA-TM-4291] 18 p3097 N91-27119

SMITH, PHILIP J.
Graphical interfaces for cooperative planning systems 02 p0165 N91-10956

SMITH, PHILLIP J.
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 08 p1184 N91-16513
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 24 p4062 N91-32692

SMITH, PHILLIP N.
Flight data acquisition methodology for validation of passive ranging algorithms for obstacle avoidance
[NASA-TM-102809] 06 p0779 N91-14322

SMITH, R. C.
A fully Sinc-Galerkin method for Euler-Bernoulli beam models
[NASA-CR-187462] 05 p0709 N91-13952
Numerical recovery of material parameters in Euler-Bernoulli beam models
[NASA-CR-187516] 10 p1586 N91-18740
A fully Galerkin method for the recovery of stiffness and damping parameters in Euler-Bernoulli beam models
[NASA-CR-187517] 13 p2143 N91-21796

SMITH, R. D.
Proceedings of the Relevance of Mass Spectrometry to DNA Sequence Determination: Research Needs for the Human Genome Program Workshop
[DE91-004117] 07 p1034 N91-15672

SMITH, R. E.
Determination of aqueous processable photoresist in tin-lead plating solutions
[DE91-015575] 23 p3810 N91-31251

SMITH, R. W.
Macrosegregation in Ag-Sn alloys (MASER 1) 23 p3838 N91-31402

SMITH, RALPH C.
Sinc-Galerkin estimation of diffusivity in parabolic problems
[NASA-CR-187567] 16 p2679 N91-24833

SMITH, RICHARD D.
Combined capillary electrophoresis and electrospray ionization mass spectrometry
[DE90-016535] 02 p0193 N91-11079
The development of improved capillary supercritical fluid chromatography and mass spectrometry
[AD-A228535] 08 p1112 N91-16107
Fundamental investigation of micelles and microemulsions in supercritical fluids
[AD-A231073] 13 p2083 N91-21476

SMITH, RICHARD M.
Simulation of multipath for semiactive missiles 07 p1045 N91-15734

SMITH, RICHARD N.
Optically linked EHF antenna array
[AD-A226101] 04 p0515 N91-12865
Systolic emulator experimentation
[AD-A226746] 06 p0817 N91-14516

SMITH, ROBERT A.
Fluid mixing device having a conical inlet and a noncircular outlet
[AD-D014708] 11 p1700 N91-19364

SMITH, ROBERT E.
Grid generation and inviscid flow computation about aircraft geometries 02 p0146 N91-10857
Ion chromatography in the manufacture of multilayer circuit boards
[DE90-017647] 02 p0207 N91-11158

SMITH, ROBERT G.
Absorption features in the 3 micron spectra of highly obscured objects 06 p0898 N91-14965

SMITH, ROGER P.
Chlorine dioxide and hemodialysis
[DE90-015912] 02 p0248 N91-11382

SMITH, ROGERS E.
Flying qualities of the X-29 forward swept wing aircraft 15 p2372 N91-23127

SMITH, RON
Small capacity, low cost (Ni-H2) design concept for commercial, military, and higher-volume aerospace applications 24 p4038 N91-32565

SMITH, RONALD C.
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] 06 p0787 N91-14357

SMITH, S. J.
Atmospheric chemistry: Laboratory studies of kinetics of important reactions 02 p0238 N91-11326
Near resonant absorption by atoms in intense fluctuating fields
[DE91-007911] 11 p1794 N91-19839

SMITH, S. L.
SEEP 2 zooplankton data report: Winter, spring and summer collections at mooring 3 during 1988
[DE91-012077] 18 p3019 N91-26668

SMITH, S. R.
Phase equilibrium modeling for high temperature metallization on GaAs solar cells 11 p1668 N91-19192
Calculation of Gallium-metal-Arsenic phase diagrams 22 p3633 N91-30214

SMITH, S. W.
Hydrogen interactions in aluminum-lithium alloys 19 p3130 N91-27292

SMITH, SHARON L.
Centralized and distributed dynamic scheduling for adaptive, parallel algorithms
[AD-A233557] 16 p2671 N91-24781

SMITH, SHELDON M.
Cryo-mechanical tests of Ames 24E2 IR-black coating
[NASA-TM-102863] 22 p3770 N91-31024

SMITH, STEPHEN
EMU helmet mounted display
[NASA-CASE-MSC-21460-1] 05 p0697 N91-13879
The computation of induced drag with nonplanar and deformed wakes 16 p2546 N91-24106

SMITH, STEPHEN F.
Generating space telescope observation schedules
[NASA-CR-187843] 07 p1081 N91-15947
Exploiting local flexibility during execution of pre-computed schedules
[AD-A230114] 12 p1994 N91-20978
Balancing antagonistic time and resource utilization constraints in over-subscribed scheduling problems
[NASA-CR-188677] 19 p3259 N91-28025

SMITH, STEVEN D.
Gust front/wind shift detection algorithm for the terminal Doppler weather radar
[DOT/FAA/NR-91/4] 13 p2121 N91-21671

SMITH, STEVEN T.
Interaction of ionizing radiation, genetically active chemicals, and radiofrequency radiation in human and rodent cells
[AD-A234747] 18 p3021 N91-26677

SMITH, SUZANNE W.
Experiments for locating damaged truss members in a truss structure
[NASA-TM-104093] 19 p3179 N91-27578

SMITH, SUZANNE WEAVER
Model correlation and damage location for large space truss structures: Secant method development and evaluation
[NASA-CR-188102] 13 p2039 N91-21213

SMITH, T. J.
Studies of synchrotron radiation emission from the NRL modified betatron accelerator
[AD-A231346] 13 p2153 N91-21868

SMITH, T. P., III
Resonant tunneling IR detectors 06 p0795 N91-14395

SMITH, TERRANCE
Critique of a process proposed to determine CF aircrew/cockpit compatibility
[DCIEM-R88-7C] 22 p3720 N91-30705

SMITH, TERRY V.
CPR software analysis: Determining the ideal software
[AD-A229499] 22 p3725 N91-30730

SMITH, THOMAS MICHAEL
The tropical Pacific Ocean's heat budget during a cold event, from a numerical model 18 p3017 N91-26657

SMITH, TIMOTHY M.
Modeling of HF propagation and heating in the ionosphere 10 p1549 N91-18522

SMITH, TODD E.
The effect of steady aerodynamic loading on the flutter stability of turbomachinery blading
[NASA-CR-187055] 11 p1722 N91-19479
A modal aeroelastic analysis scheme for turbomachinery blading
[NASA-CR-187089] 13 p2025 N91-21138
Localization of aeroelastic modes in mistuned high-energy turbines
[NASA-TM-104445] 16 p2648 N91-24659

SMITH, W.
ICRCCM (intercomparison of radiation codes used in climate models). Phase 2: Verification and calibration of radiation codes in climate models
[DE91-007323] 11 p1738 N91-19555
Study on observational systems: A review of meteorological and oceanographic education in observational techniques and the relationship to national facilities and needs
[PB91-198168] 24 p4070 N91-32739

SMITH, W. L.
Laser-boosted lightcraft technology demonstrator 14 p2201 N91-22156

SMITH, WILLIAM HAYDEN
Remote sensing of Earth's atmosphere and surface using a digital array scanned interferometer: A new type of imaging spectrometer 17 p2796 N91-25466

SMITH, WILLIAM L.
Multi-spectral window radiance observations of Cirrus from satellite and aircraft, November 2, 1986 Project FIRE 01 p0078 N91-10465
Comparison of NOAA-9 ERBE measurements with Cirrus IFO satellite and aircraft measurements 01 p0079 N91-10471
Cloud altitude determination from infrared spectral radiances 01 p0079 N91-10474

SMITH, WILLIAM L., JR.
Radiative properties of Cirrus clouds: FIRE IFO case October 28, 1986 01 p0081 N91-10479
Temperature sensitivity of Eppley broadband radiometers 01 p0082 N91-10484

SMITH, WILLIS H., JR.
Applications research studies on microtubules
[AD-A228756] 08 p1128 N91-16205
SMITH, WOODROW
Manipulating cyanobacteria: Spirulina for potential CELSS diet 19 p3267 N91-28070
SMITHERS, MARTIN E.
Computer modeling of pulsed CO2 lasers for lidar applications 24 p4060 N91-32680
SMITHRICK, JOHN J.
Effect of LEO cycling on 125 Ah advanced design IPV nickel-hydrogen flight cells. An update
[NASA-TM-104384] 14 p2237 N91-22375
Effect of KOH concentration on LEO cycle life of IPV nickel-hydrogen flight cells. An update
[NASA-TM-104383] 14 p2237 N91-22376
Destructive physical analysis results of Ni/H2 cells cycled in LEO regime
[NASA-TM-104382] 15 p2391 N91-23233
SMITS, A. J.
Investigation of supersonic boundary layer transition and turbulent structure
[AD-A225996] 04 p0471 N91-12637
SMOAK, B. L.
COLDEX-86: Fluid and electrolyte changes during prolonged cold water immersion
[AD-A233768] 18 p3027 N91-26711
SMOLENSKI, D. M.
Thermal control system for the investigation of specific absorption rates for specimens exposed to electromagnetic radiation
[AD-A231329] 15 p2430 N91-23459
SMOLKA, SCOTT A.
Reactive, generative, and stratified models of probabilistic processes
[CWI-CS-R9020] 10 p1587 N91-18746
SMOOKE, M. D.
Computational and experimental study of laminar flames
[DE91-008548] 12 p1867 N91-20261
Catalytic combustion of methane
[PB91-206391] 24 p3972 N91-32190
SMOORENBURG, G. F.
Damage risk for low-frequency impulse noise; the spectral factor in noise-induced hearing loss
[IZF-1990-A-37] 22 p3718 N91-30693
SMOOT, G. F.
The ASTROMAG superconducting magnet facility configured for a free flying satellite
[DE91-014710] 21 p3463 N91-29204
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
SMOOT, N. C.
North Pacific guyots
[AD-A239388] 23 p3897 N91-31754
SMULLEN, JAMES TILTON
An empirical study of the effects of meteorologic and tidal forcing on the seasonal vertical density structure of Chesapeake Bay 03 p0393 N91-12184
SMYLIE, DOUGLAS E.
Report of the panel on earth structure and dynamics, section 6 13 p2106 N91-21595
SMYRI, W. H.
Ambient temperature solid polymer electrolyte devices
[AD-A228716] 09 p1318 N91-17237
SMYRL, W. H.
OCM and impedance analysis of polypyrrole
[AD-A229185] 09 p1310 N91-17190
Interfacial stability of lithium in non-aqueous gel polymer electrolyte cells
[AD-A229186] 09 p1330 N91-17303
SMYRL, WILLIAM H.
Exploratory cell research and fundamental processes study in solid state electrochemical cells
[DE91-004130] 07 p1073 N91-15905
Correlation of electron-transfer rates with the surface density of states of native and anodically grown oxide films on titanium
[AD-A230101] 12 p1987 N91-20934
SMYRLIS, YIORGOS S.
Predicting chaos for infinite dimensional dynamical systems: The Kuramoto-Sivashinsky equation, a case study
[NASA-CR-187531] 13 p2079 N91-21454
SMYRLIS, YIORGOS,
The route to chaos for the Kuramoto-Sivashinsky equation
[NASA-CR-187461] 05 p0656 N91-13642
SMYTH, CHRISTOPHER C.
The effects of user's training on the performance of an automatic speech recognizer for a self-paced task
[AD-A235844] 19 p3150 N91-27411
SMYTH, I. P.
Measurements of grain boundary properties in nanocrystalline ceramics
[DE91-006662] 10 p1503 N91-18273
SMYTH, J. D.
The observational approach in environmental restoration
[DE91-015528] 21 p3540 N91-29666
A review of accelerated response actions available to the environmental restoration program: Selected case histories and associated issues
[DE91-013608] 23 p3891 N91-31716
SMYTH, P.
A high-speed distortionless predictive image-compression scheme 03 p0354 N91-11981
Pattern-recognition techniques applied to performance monitoring of the DSS 13 34-meter antenna control assembly 24 p3984 N91-32253
SMYTHE-WRIGHT, D.
Chemical tracer studies at IOSDL-2: A method manual for the routine measurement of chlorofluocarbons in seawater and air
[IOS-275] 24 p4041 N91-32580
SMYTHE, W. R.
A versatile RF cavity mode damper
[DE91-002947] 06 p0821 N91-14534
SNEAD, LANCE L.
Interfacial push-out measurements of fully-bonded SiC/SC composites
[DE91-004527] 06 p0804 N91-14436
SNEEUW, N. J.
Time-varying sea surface topography from altimetry: A stochastic approach with regard to gravity computations
[ETN-90-98145] 03 p0393 N91-12187
SNELL, C. M.
Predicted Bremsstrahlung generation by energetic electron beams
[DE91-007164] 11 p1797 N91-19858
SNELL, K. H.
Experimental and theoretical studies of friction and heat transfer in rough passages
[DE90-016302] 02 p0219 N91-11223
Pressure drop and heat transfer for spirally fluted tubes including validation of the role of transition
[DE91-012242] 20 p3342 N91-28509
SNIDER, J. B.
Attenuation statistics derived from emission measurements by a network of ground-based microwave radiometers 03 p0352 N91-11963
Remote sensor observations during WISP90: The use of microwave radiometers, RASS, and ceilometers for detection of aircraft icing conditions
[PB91-131839] 14 p2291 N91-22670
SNIDER, JACK B.
Estimated accuracy of ground-based liquid water measurements during FIRE 01 p0086 N91-10508
Estimating integrated cloud liquid water from extended time observations of solar irradiance 01 p0086 N91-10510
Cloud and boundary layer structure over San Nicolas Island during FIRE 01 p0087 N91-10515
Analysis of tethered balloon data from San Nicolas Island on 8 July 1987 01 p0088 N91-10517
Dependence of marine stratocumulus reflectivities on liquid water paths 01 p0090 N91-10524
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987 01 p0092 N91-10534
SNIDER, JEFFERSON ROBERT
Measurement of sulfur dioxide reaction rates in wintertime orographic clouds 03 p0391 N91-12178
SNIDER, R.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919
SNIDER, R. T.
A multi-laser system for a fast sampling Thomson scattering diagnostic
[DE91-002708] 05 p0667 N91-13705
A silicon avalanche photodiode detector circuit for Nd:YAG laser scattering
[DE91-002709] 05 p0667 N91-13706
A compact, low cost, 7 channel polychromator for Thomson scattering measurements
[DE91-002719] 05 p0721 N91-14024
A real-time digital control, data acquisition and analysis system for the DIII-D multipulse Thomson scattering diagnostic
[DE91-002720] 05 p0721 N91-14025
SNIEDER, J.
Electronic scan at millimetre wave frequencies
[FEL-89-B258] 05 p0649 N91-13601
SNIJDERS, M. A. J.
The 1987 outburst of the recurrent nova V394 Coronae Austrinae 09 p1442 N91-17947
PKS2152-69: A misdirected Blazar 09 p1444 N91-17960
The missing UV absorption lines of NGC 4151 09 p1444 N91-17962
SNOEYINK, JACK
Computing minimum length paths of a given homotopy class
[RUU-CS-90-37] 23 p3920 N91-31900
SNOHA, DANIEL J.
Mechanical behavior of a SiC-fiber/Si3N4 composite
[AD-A228371] 08 p1106 N91-16073
SNOOK, J. S.
Case study analysis of clustering applied to VAS measurements
[PB91-127829] 13 p2120 N91-21666
SNOOK, P.
The insulation irradiation test program for the compact ignition tokamak
[DE90-011318] 09 p1400 N91-17706
SNOW, DANIEL EDWARD
Regularization of the Lagrange planetary equations for numerical use 20 p3393 N91-28808
SNOW, J. W.
Modeling the variation of cloud cover with view angle using space shuttle cloud imagery
[AD-A227895] 09 p1367 N91-17513
SNOW, THEODORE P.
Probing the interstellar medium of external galaxies using quasar absortion lines: The 3C 232/NGC 3067 system 05 p0760 N91-14227
SNOW, THEODORE P., JR.
The origin of micrograins 06 p0905 N91-15000
Circumstellar grain extinction properties of recently discovered post AGB stars 06 p0911 N91-15028
SNOWDON, M.
EEC component procurement: A look ahead 24 p4002 N91-32372
SNYDER, AARON
Dynamics of local grid manipulations for internal flow problems 13 p2016 N91-21090
SNYDER, CHRISTOPHER A.
The Navy/NASA Engine Program (NNEP89): A user's manual
[NASA-TM-105186] 22 p3620 N91-30141
SNYDER, D.
Significant reduction in arc frequency biased solar cells: Observations, diagnostics, and mitigation technique(s) 22 p3636 N91-30235
SNYDER, DANIEL E.
An advanced knowledge and design acquisition methodology: Application for the pilot's associate
[AD-A233700] 18 p3034 N91-26748
SNYDER, DAVID B.
Findings of the Joint Workshop on Evaluation of Impacts of Space Station Freedom Ground Configurations 12 p1950 N91-20728
Findings of the Joint Workshop on Evaluation of Impacts of Space Station Freedom Ground Configurations
[NASA-TM-103717] 14 p2236 N91-22370
SNYDER, ERIC J.
Analysis of scanning tunneling microscope topographs of graphite surfaces roughened by Ar(+) ion bombardment
[AD-A225037] 03 p0359 N91-12010
Effects of tip-broadening and asymmetry on scanning tunneling microscope topographs
[AD-A224883] 03 p0369 N91-12068
SNYDER, ERIC S.
The use of light emission in failure analysis of CMOS ICs
[DE91-001234] 06 p0838 N91-14633
SNYDER, G.
Codeless GPS Applications to Multi-Path: CGAMP 03 p0352 N91-11967
SNYDER, H. DAVID
Minimum length Pb/SCIN detector for efficient cosmic ray identification 17 p2880 N91-25928
SNYDER, H. TODD
Thermoelastic vibration test techniques
[NASA-TM-101742] 11 p1647 N91-19083
Determination of the effects of heating on modal characteristics of an aluminum plate with application to hypersonic vehicles
[NASA-TM-4274] 14 p2193 N91-22111
SNYDER, HARRY L.
The effects of display failures and symbol rotation on visual search and recognition performance
[AD-A235035] 18 p3033 N91-26743
The effects of character size, modulation, polarity, and font on reading and search performance in matrix-addressable displays
[AD-A235033] 18 p3077 N91-27007
The effect of rotation on legibility of dot-matrix characters
[AD-A235034] 18 p3077 N91-27008

The effects of line and cell failures on reading and search performance using matrix-addressable displays
[AD-A235947] 19 p3213 N91-27762
SNYDER, HOWARD A.
Fluid quantity gaging
[NASA-CR-185516] 16 p2631 N91-24566
SNYDER, KEITH W.
An investigation of using a phase-change material to improve the heat transfer in a small electronic module for an airborne radar application
[DE91-002597] 06 p0819 N91-14525
SNYDER, LARRY
NW lab for integrated systems
[AD-A237118] 21 p3554 N91-29749
SNYDER, LEWIS E.
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020
VLA searches for formaldehyde and cyanoacetylene emission from comet P/Brorsen-Metcalf (1989o) 12 p2004 N91-21030
SNYDER, MELVIN H.
Experimental studies of general aviation wings at high angles of attack 10 p1455 N91-18023
SNYDER, P.
Circular Intensity Differential Scattering (CIDS) measurements in the soft x ray region of the spectrum (approximately 16 eV to 500 eV)
[DE91-016429] 24 p4101 N91-32915
SNYDER, P. G.
Ellipsometric study of InGaAs MODFET material
[NASA-TM-103286] 11 p1698 N91-19351
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935
SNYDER, PAUL G.
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306
SNYDER, ROBERT S.
Analysis techniques for residual acceleration data
[NASA-TM-103507] 01 p0032 N91-10191
Drop deployment system for crystal growth apparatus
[NASA-CASE-MFS-28422-1] 09 p1320 N91-17250
A new approach to electrophoresis in space 11 p1755 N91-19653
Protein purification in multicompartment electrolyzers for crystal growth of r-DNA products in microgravity 11 p1757 N91-19665
SNYDER, S. C.
Measurement of thermal plasma jet temperature and velocity by laser light lineshape analysis
[DE91-010053] 19 p3247 N91-27959
SNYDER, S. S.
The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752
SNYDER, SHELLY R.
Correlation of electron-transfer rates with the surface density of states of native and anodically grown oxide films on titanium
[AD-A230101] 12 p1987 N91-20934
Imaging of stacking faults in highly oriented psrolytic graphite using scanning tunneling microscopy
[AD-A229776] 12 p1990 N91-20952
SNYTNIKOV, V. N.
Laboratory simulation of the astrophysical burst processes in non-uniform magnetised media 06 p0920 N91-15081
SO, R. M. C.
A review of near-wall Reynolds-stress
[NASA-CR-4369] 14 p2187 N91-22080
SO, RONALD M. C.
Near-wall modelling of compressible turbulent flows
[NASA-CR-187731] 09 p1272 N91-16992
Near-wall modeling of compressible turbulent flow
[NASA-CR-188608] 17 p2776 N91-25365
SOARES, I. DAMIAO
Geodesics in Goedel-type space-times
[DE90-634419] 03 p0389 N91-12168
SOARESGALVAO, LENIO
Spectral lithostratigraphic correlation of boreholes
[INPE-5022-TDL/402] 02 p0239 N91-11332
SOBALVARRO, PATRICK G.
Routing statistics for unqueued Banyan networks
[AD-A229321] 22 p3746 N91-30880
SOBERMAN, ROBERT K.
Reexamination of data from the asteroid/meteoroid detector
[NASA-CR-185875] 02 p0288 N91-11619
SOBIESZCZANSKI-SOBIESKI, JAROSLAW
A system approach to aircraft optimization
[NASA-TM-104074] 16 p2559 N91-24196
Two alternative ways for solving the coordination problem in multilevel optimization
[NASA-TM-104036] 23 p3790 N91-31138
A technique for locating function roots and for satisfying equality constraints in optimization
[NASA-TM-104037] 23 p3790 N91-31139
SOBLE, C. S.
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
SOBOTA, MARK S.
B-1B high AOA testing in the evaluation of a stall inhibitor system 15 p2372 N91-23126
SOBOYEJO, W. O.
Fatigue crack propagation of coplanar semi-elliptical cracks in pure bending
[PNR-90742] 01 p0057 N91-10337
SOCIE, D. F.
Development of a test system and experimental method for in-plane biaxial compressive deformation and failure of fiber composite materials
[AD-A234062] 18 p2940 N91-26214
SOCOLESCU, DAN
On the convergence at infinity, rate of convergence and uniqueness of solutions with finite Dirichlet integral to the exterior Dirichlet problem for the steady plane Navier-Stokes system of equations
[PREPRINT-166] 01 p0043 N91-10257
SODA, JIRO
Topological aspects of classical and quantum (2+1)-dimensional gravity
[DE90-513792] 04 p0592 N91-13306
How many times do we have in quantum gravity
[DE91-744973] 11 p1819 N91-19991
Moduli space of Chern-Simons gravity
[DE91-772178] 17 p2874 N91-25898
SODA, TAKAO
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
SODEN, JERRY M.
The use of light emission in failure analysis of CMOS ICs
[DE91-001234] 06 p0838 N91-14633
SODERMAN, PAUL T.
Flow-induced resonance of screen-covered cavities
[NASA-TP-3052] 07 p1002 N91-15499
J-85 jet engine noise measured in the ONERA S1 wind tunnel and extrapolated to far field
[NASA-TP-3053] 11 p1790 N91-19823
Large-scale aeroacoustic research feasibility and conceptual design of test-section inserts for the Ames 80- by 120-foot wind tunnel
[NASA-TP-3020] 11 p1791 N91-19824
Acoustic and aerodynamic study of a pusher-propeller aircraft model
[NASA-TP-3040] 13 p2147 N91-21828
SOEDER, JAMES F.
The development of test beds to support the definition and evolution of the Space Station Freedom power system
[NASA-TM-104504] 19 p3114 N91-27207
SOEDER, RONALD H.
Automatic control study of the icing research tunnel refrigeration system
[NASA-TM-4257] 11 p1654 N91-19115
SOEGAARD, SVEIN-ERIK
CESAR operating system
[FFI-91/7002] 15 p2484 N91-23754
SOEIRO, FRANCISCO JOSE DACUNHA PIRES
Structural damage assessment using identification techniques 16 p2644 N91-24634
SOERENSEN, ERIK MOSE
Mission planning systems for scientific and remote sensing satellites: A comparative analysis 14 p2213 N91-22226
Ground systems for handling packet telemetry and commands: A case study, the Eureca mission 14 p2214 N91-22235
SOERENSEN, PAAL
Development of Norwegian space activities 13 p2029 N91-21160
SOETRISNO, M.
Turbulent swirling flow in combustor/exhaust nozzle systems
[AD-A236861] 19 p3164 N91-27499
SOETRISNO, MOELJO
Numerical simulations of instabilities in compressible mixing layers 15 p2421 N91-23412
SOFFEN, GERALD
Biological Life Support Technologies: Commercial Opportunities
[NASA-CP-3094] 05 p0691 N91-13842
Earth observing satellite: Understanding the Earth as a system 05 p0692 N91-13853
COBE's search for structure in the Big Bang
[NASA-TM-102976] 05 p0769 N91-14271
SOFFEN, GERALD A.
The 1989 NASA-ASEE Summer Faculty Fellowship Program in Aeronautics and Research
[NASA-CR-188174] 17 p2877 N91-25914
SOFFER, BERNARD
Real-time implementation of nonlinear optical data processing functions
[AD-A233521] 16 p2691 N91-24899
SOFFER, JACQUES
Overview of high energy physics with polarized particles
[DE91-001119] 04 p0582 N91-13247
SOFIA, SABATINO
Basic mechanisms of solar variability 03 p0440 N91-12460
SOGAH, D. Y.
Biomaterial interactions with organized surfaces 14 p2295 N91-22689
SOHI, MOHSEN M.
Compressive strength and modes of failure in polymeric composites 09 p1303 N91-17151
SOHN, B.
Climate dynamics experiments using a GCM simulations 24 p4057 N91-32663
SOHN, BYUNG-JU
Cloud and surface control on the Earth's net radiation balance and the role of atmospheric/oceanic energy transports: A satellite perspective 03 p0389 N91-12169
SOHN, CHANG W.
Performance of an ice-in-tank diurnal ice storage cooling system at Fort Stewart, Georgia
[AD-A224739] 03 p0386 N91-12153
SOHN, K. H.
Experimental study of boundary layer transition on a heated flat plate
[NASA-TM-103779] 13 p2011 N91-21061
SOHN, KI-HYEON
Experimental study of boundary layer transition with elevated freestream turbulence on a heated flat plate
[NASA-CR-187068] 09 p1337 N91-17341
SOHN, KI-SOO
Cluster calculation of CuO2 in high-Tc superconductors
[AD-A230758] 12 p1991 N91-20959
SOHN, PHILIP Y.
Characteristics of a future aeronautical satellite communications system
[NASA-TM-104389] 15 p2368 N91-23102
SOHN, R. A.
Procedure for generating global atmospheric engine emissions data from future supersonic transport aircraft. The 1990 high speed civil transport studies
[NASA-CR-181882] 05 p0621 N91-13447
SOHNS, C. W.
Design and performance of an axial air-gap solution pump motor
[DE91-009988] 16 p2621 N91-24516
SOILEAU, M. J.
Laser induced damage in optical materials: 1989
[PB91-148478] 19 p3170 N91-27527
SOIZE, C.
Compressible two dimensional boundary layer strong perfect fluid coupling in the case of sharp leading edge profiles. Stationary case
[ONERA-RT-42/1621-RY-093-R] 23 p3870 N91-31586
SOKER, NOAM
ISM stripping from cluster galaxies and inhomogeneities in cooling flows 05 p0749 N91-14172
SOKKAPPA, P. R.
The cost-constrained traveling salesman problem
[DE91-004943] 11 p1782 N91-19775
SOKOL, YE. A.
Effect of excess respiratory resistance on physical performance and cardiorespiratory function 18 p3025 N91-26699
SOKOLOFF, JASON P.
Pulse compression of 100 picosecond pulses at 1.319 microns
[AD-A232552] 15 p2508 N91-23901
SOKOLOV, A.
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588
Neurological findings after 72 hours water immersion 11 p1745 N91-19597
SOKOLOV, A. YU.
Detection of nonlinear features in plasma and field measurements by PROGNOZ-8 06 p0918 N91-15063
SOKOLOV, V.
A 30 GHz monolithic receive module
[NASA-CR-187085] 15 p2410 N91-23346

SOKOLOVSKY, MORDECHAI
Affinity chromatography purification of the NMDA/phencyclidine receptor complex
14 p2293 N91-22683
SOKOLOWSKI, J.
Large scale excitation of the ISM in NGC 1068
05 p0745 N91-14150
SOL, H.
Nonlinear plasma effects in the environment of active galactic nuclei 06 p0921 N91-15085
SOLAL, F.
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
SOLAL, FRANCINE
Determination of pair potentials by analysis of diffuse scattering of the local field in Pd3V and Ni3V
[ONERA-NT-1989-7] 02 p0199 N91-11117
SOLANO, E. R.
Analytical calculation of neutral transport and its effect on ions
[DE91-015908] 21 p3577 N91-29896
SOLCHER, H.
The Effect of the Ionosphere on Radiowave Signals and Systems Performance Based on Ionospheric Effects Symposium
[AD-A233797] 18 p2974 N91-26416
SOLDERITSCH, JAMES J.
Software Technology for Adaptable, Reliable Systems (STARS). Reusability library (RLF) AdaTAU software user's manual
[AD-A229221] 10 p1569 N91-18628
Reusability Library Framework (RLF)
[AD-A229308] 22 p3724 N91-30725
UR40: Repository integration librarian software (user's manual), volume 1
[AD-A229313] 22 p3724 N91-30726
SOLEIHAVOUP, J. P.
Human dermal fibroblast sensitivity to hypergravity
11 p1751 N91-19630
SOLEM, A.
Workshop on the Online Documentation in the Supercomputing Environment, Working Paper Conference
[PB91-164772] 19 p3217 N91-27779
SOLER, E.
CMC materials for a high performance 20 N thruster
03 p0332 N91-11855
SOLF, J.
The ultraviolet spectrum of HH 24A and its relation to optical spectra
[NASA-CR-188649] 19 p3264 N91-28051
SOLIMENE, RICCARDO
Effect of the centrifuge forces on pregnant rats
11 p1751 N91-19629
SOLIMINI, D.
Modelling backscattering from natural surfaces covered with vegetation 07 p0993 N91-15448
SOLIN, JUSSI
Fatigue Design 1990
[VTT-SYMPOSIUM-113] 07 p1016 N91-15575
Application of local strain approach for steels OS 540 and Polarit 778 07 p1016 N91-15577
SOLLER, JEFFREY
Simulated annealing in orbital flight planning
12 p1848 N91-20153
SOLLER, JEFFREY ALAN
A trajectory planning scheme for spacecraft in the space station environment
[NASA-TM-102866] 09 p1286 N91-17071
SOLLOCK, PAUL E.
Flight elements subpanel introduction and overview
09 p1279 N91-17030
SOLOMAN, PETER R.
Novel on-line characterization method for suspended particles
[PB90-257478] 09 p1332 N91-17315
SOLOMAN, S. C.
Origin and thermal evolution of Mars
[NASA-CR-188095] 14 p2353 N91-23011
SOLOMAN, SEAN C.
The interpretation of crustal dynamics data in terms of plate motions and regional deformation near plate boundaries
[NASA-CR-188500] 17 p2810 N91-25533
SOLOMATOV, V. S.
The thermal conditions of Venus
14 p2346 N91-22973
SOLOMON, BEKA
Eupergit C as a carrier for HPLC-based immuno-purification of antigens and antibodies
14 p2295 N91-22691
Reduction of nonspecific adsorption of serum proteins to Eupergit C and agarose 14 p2296 N91-22692
Enzymatic oxidation of monoclonal antibodies by immobilized bi-functional enzyme complexes
14 p2296 N91-22693
Adipic dihydrazide-Eupergit C: A new derivative for oriented immobilization of monoclonal antibodies
14 p2296 N91-22694
SOLOMON, K.
Geographic information systems, 1990
[PB91-108423] 09 p1422 N91-17828
SOLOMON, N.
Geographic information systems, 1990
[PB91-108423] 09 p1422 N91-17828
SOLOMON, O. M., JR.
Effect of atmospheric variations on electromagnetic distance measurements
[DE91-009726] 15 p2411 N91-23349
SOLOMON, P. M.
CO excitation in four IR luminous galaxies
05 p0762 N91-14234
The origin of the galactic emission in IRAS data
06 p0900 N91-14974
SOLOMON, S. C.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
SOLOMON, S. R.
Sound propagation in the atmosphere: Analysis of signal amplitude and phase temporal and spatial variations
[AD-A237034] 20 p3395 N91-28816
SOLOMON, SEAN C.
Mars tectonics and volcanism
[NASA-CR-187351] 05 p0766 N91-14254
Crustal dynamics project: The interpretation of crustal dynamics data in terms of plate motions and regional deformation near plate boundaries
[NASA-CR-187691] 06 p0846 N91-14673
Scientific results of the NASA-sponsored study project on Mars: Evolution of volcanism, tectonics, and volatiles
[NASA-CR-188056] 14 p2347 N91-22984
SOLOMONSON, NORBERT DANIEL
Sensitive cryogenic transducer development and analysis for use on gravity wave detectors
15 p2528 N91-24009
SOLORZANO, MANUEL R.
A head coupled sensor platform for teleoperated ground vehicles
[AD-A230649] 12 p1907 N91-20496
SOLOSKI, E. J.
Characterization of Acetylene Terminated Sulfone (ATS) resin. Part 2: Thermal analysis of the resin
[NIAR-91-7-PT-2] 16 p2604 N91-24425
SOLOVIEV, G. I.
Wave collapse at lower hybrid resonance
06 p0919 N91-15073
SOLOVYEV, V. S.
Measurements of the longitudinal movements of O(+) ions in the subauroral upper atmosphere from the Aureol 3 satellite 18 p2931 N91-26171
SOLOVYOV, V. A.
Flight control during investigations on board specialized space module of the 'Gamma' project
14 p2213 N91-22229
SOLTANI, NASSER
Study of mixed mode stress intensity factor using the experimental method of transmitted caustics
01 p0055 N91-10324
SOLTIS, STEPHEN
Seat dynamic performance standards for a range of sizes
[DOT/FAA/CT-TN90/23] 01 p0005 N91-10028
SOM, S.
Algorithm To Architecture Mapping Model (ATAMM) multicomputer operating system functional specification
[NASA-CR-4339] 09 p1325 N91-17277
SOM, SUKHAMOY
Strategies for concurrent processing of complex algorithms in data driven architectures
[NASA-CR-187450] 12 p1890 N91-20395
ATAMM enhancement and multiprocessor performance evaluation
[NASA-CR-188495] 16 p2672 N91-24788
SOMEKH, R. E.
Critical currents in sputtered YBCO films
[DE91-017976] 24 p4113 N91-32987
SOMERS, DAN M.
An airfoil for general aviation applications
04 p0460 N91-12572
SOMERS, M. A. M.
Validation of digital simulation methods in CAE
[NLR-TP-89026-U] 22 p3733 N91-30785
SOMERVILLE, W. B.
Correlation properties of interstellar dust: Diffuse interstellar bands 06 p0890 N91-14916
SOMEYA, TERUO
Wind tunnel test of redundant vane-type flow-direction sensing systems
[NAL-TM-590] 01 p0010 N91-10057
SOMMA, R.
Selenia Spazio activities for advanced SAR technological developments 07 p0993 N91-15449
SOMMEIJER, B. P.
A-stable parallel block methods
[CWI-NM-R8918] 02 p0257 N91-11427
Iterated Runge-Kutta methods on parallel computers
[CWI-NM-R9001] 02 p0257 N91-11428
Parallel ODE solvers
[CWI-NM-R9008] 10 p1583 N91-18723
Stability of collocation-based Runge-Kutta-Nystroem methods
[CWI-NM-R9016] 18 p3049 N91-26835
SOMMER, DAVID V.
Computer center reference manual, volume 2
[AD-A232370] 15 p2489 N91-23781
SOMMER, E.
The influence of the comparison accuracy in dual-counter LDA signal processors on the measuring error
[ISL-CO-222/89] 03 p0371 N91-12078
C-band antennas for regional communication systems
[MBB-UK-0107-90-PUB] 11 p1695 N91-19336
SOMMER, E. W.
Mean and turbulent velocity measurements in a turbojet exhaust
[ISL-CO-244/89] 12 p1842 N91-20124
SOMMER, S.
Defective embryogenesis of Arabidopsis induced by cosmic HZE-particles 11 p1760 N91-19682
Arabidopsis thaliana (Heynh.) pollen: A new tool in heavy ions radiation 11 p1760 N91-19685
SOMMER, S. T.
Large flat plate turbulent boundary layer evaluation
[AD-A225316] 03 p0366 N91-12051
SOMMERFELDT, S. D.
Multichannel adaptive vibration control of a mounted plate
[AD-A236106] 19 p3180 N91-27581
SOMMERLADE, B.
Traveling time effects in a channel flow
[MPIS-10/1990] 11 p1704 N91-19384
SOMMERS, JAMES A.
Studying oxygen vacancies in ceramics by perturbed angular correlation spectroscopy
[DE91-005568] 10 p1502 N91-18266
SOMORJAI, G. A.
Real-space multiple scattering theory calculations of LEED (Low-Energy Electron Diffraction) intensities for stepped surfaces
[DE91-000810] 05 p0713 N91-13978
Catalytic activity of model Pt/Al2O3 catalysts: The role of chlorine
[AD-A235946] 19 p3125 N91-27266
SOMPRAKIT, PAISAN
A new procedure for calculating contact stresses in gear teeth
[NASA-CR-187094] 14 p2270 N91-22562
Contact stresses in gear teeth: A new method of analysis
[NASA-TM-104397] 14 p2272 N91-22570
SOMS, L. N.
Laser
[AD-A225393] 03 p0371 N91-12079
SON, LE HUNG
The cousin problems in the viewpoint of partial differential equations
[DE90-627172] 01 p0113 N91-10656
SON, S. H.
Implementation of a hypercube database system
[DE91-014285] 20 p3440 N91-29089
Performance evaluation of multiversion database systems
[DE91-014340] 20 p3440 N91-29090
SON, SANG H.
The StarLite project
[AD-A226722] 08 p1240 N91-16837
SONDER, RAINER
Gust design procedures 18 p2928 N91-26155
SONEGAWA, T.
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
SONETT, CHARLES P.
Is the sun a long period variable
03 p0442 N91-12471
SONG, CHUNSHAN
Thermal stability of jet fuel
[DE90-016801] 01 p0032 N91-10188
Advanced thermally stable jet fuels development program annual report. Volume 2: Compositional factors affecting thermal degradation of jet fuels
[AD-A229693] 12 p1878 N91-20323
SONG, GHIE HUGH
Two-dimensional simulation of quantum-well lasers including energy transport
[AD-A227487] 08 p1154 N91-16356

SONG, I.
Shock-induced chemical reactions and synthesis of binary compounds
[DE91-004296] 07 p0976 N91-15355
SONG, JOON
Improvement in radar detection under scan-to-scan processing and scan rate reduction
24 p3982 N91-32245
SONG, OHSEOP
Modeling and response analysis of thin-walled beam structures constructed of advanced composite materials
21 p3531 N91-29615
SONG, TAE I.
Lithium ion source for satellite charge control
[AD-A238272] 21 p3507 N91-29470
SONG, WOOCHUN
Information technology policies: A four country comparative study 08 p1241 N91-16840
SONG, XUEYU
Cometary implications of the internal energy distributions of the C2 and C3 radicals produced in the photolysis of the C2H and C3H2 17 p2894 N91-25998
SONG, YOUNG-HOON
Droplet-turbulence interactions in subcritical and supercritical evaporating sprays
20 p3296 N91-28228
SONI, N. J.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405
SONMEZ, M. KEMAL
Noise characteristics of passive components for phased array applications
[NASA-CR-187819] 22 p3751 N91-30907
SONMOR, L. J.
Current collection in a magnetoplasma
09 p1401 N91-17715
SONNABEND, DAVID
Mechanical isolation for gravity gradiometers
03 p0431 N91-12412
SONNAD, VIJAY
Least-squares solution of incompressible Navier-Stokes equations with the p-version of finite elements
[NASA-TM-105203] 23 p3922 N91-31911
SONNEBORN, G.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
SONNEBORN, GEORGE
The Lyman far ultraviolet spectroscopic explorer mission 09 p1432 N91-17886
Spectral classification of B stars in the ultraviolet
09 p1433 N91-17895
Ultraviolet light curves of galactic and extra-galactic classical CNO novae: PW Vul, OS, and LMC 1988 no. 1 and no. 2 09 p1438 N91-17926
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
Nova LMC 1990 no. 1: The first extragalactic neon nova 09 p1441 N91-17943
Nova LMC 1990 no. 2: The first extragalactic recurrent nova 09 p1441 N91-17944
IUE observations of galactic and extragalactic recurrent novae 09 p1441 N91-17945
Late stages in the evolution of classical novae
09 p1441 N91-17946
Narrow circumstellar emission lines in SN 1987A
09 p1443 N91-17953
SONNENFELD, GERALD
Reduced lymphocyte activation in space: Role of cell-substratum interactions 11 p1750 N91-19621
Cosmos: 1989 immunology studies
[NASA-CR-188046] 11 p1763 N91-19701
SONNENSCHEIN, ALEXANDER
A design for an electro-optic implementation of a wideband nulling system
[AD-A230152] 12 p1882 N91-20344
Geolocation of frequency-hopping transmitters via satellite
[AD-A230373] 12 p1883 N91-20351
SONNENSCHEIN, MARK F.
Immediate write, read, and erase optical storage medium and method of marking and erasing
[AD-D014578] 07 p1038 N91-15694
SONNERUP, B. U. O.
Investigation of turbulent processes in magnetospheric boundary layers
[NASA-CR-188009] 14 p2284 N91-22628
SONNERUP, BENGT U. O.
The magnetopause boundary layer
[AD-A229061] 09 p1365 N91-17501
SONWALKAR, VIKAS S.
Testing for lightning as a source of radio bursts observed on the nightside of Venus
[NASA-CR-187364] 02 p0293 N91-11645
SOO, HAN LEE
Control of a small working robot on a large flexible manipulator for suppressing vibrations: Development of a robust control law for flexible robot and it's stability analysis 22 p3687 N91-30526
SOOD, DES R.
Direct broadcast satellite-radio market, legal, regulatory, and business considerations
[NASA-CR-187093] 12 p1890 N91-20390
SOON, TOH TECK
Automated assembly in space
19 p3273 N91-28106
SOOTKOOS, B.
Ultrox international ultraviolet radiation/oxidation technology: Applications analysis report
[PB91-129759] 17 p2806 N91-25512
SOPIN, A. I.
Passive mode locking in optically pumped Al2O3:Ti(3+) laser 11 p1787 N91-19803
SORAIS, D.
Analysis of experimental results with meteor links carried out at different ranges and frequencies
22 p3659 N91-30368
SOREK, S.
Cerebral-body perfusion model
[AD-A227851] 07 p1036 N91-15683
SORENSEN, BERIT
Space research in Norway
[NSC-REPT-(89)5] 03 p0318 N91-11781
SORENSEN, J. H.
Establishing functional requirements for emergency management information systems
[DE91-006340] 10 p1614 N91-18905
SORENSEN, JOHN A.
Traffic Alert and Collision Avoidance System (TCAS): Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[NASA-TM-104956] 14 p2191 N91-22102
Traffic Alert and Collision Avoidance System (TCAS). Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[AD-A236109] 19 p3104 N91-27147
SORENSEN, K. W.
A dihedral corner reflector model for full polarization calibration of RCS measurements
[DE91-013572] 21 p3497 N91-29402
Radar-cross-section measurement errors caused by test object interaction with low-dielectric-constant supports
[DE91-015340] 23 p3855 N91-31490
SORENSEN, LARRY B.
Surface x ray scattering measurements of the substrate induced spatial modulation of an incommensurate adsorbed monolayer
[AD-A232625] 15 p2518 N91-23959
SORENSEN, N. R.
Solderability of environmentally exposed Sn-plated surfaces
[DE91-000035] 02 p0198 N91-11110
Amorphization of C-implanted Fe(Cr) alloys
[DE91-001338] 06 p0809 N91-14469
Solderability and environmental testing of Sn-plated surfaces
[DE91-004035] 07 p0979 N91-15371
SORENSEN, STEVE
Using artificial intelligence to aid in the development of causal models
[AD-A231273] 13 p2142 N91-21794
SORENSON, D. S.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
SORENSON, REESE L.
Numerical simulation of F-18 fuselage forebody flows at high angles of attack 02 p0147 N91-10859
SORIN, G.
Evaluation of panel code predictions with experimental results of inlet performance for a 17-inch ducted prop/fan simulator operating at Mach 0.2
[NASA-TM-104428] 17 p2728 N91-25106
SORKIN, ROBERT D.
Auditory pattern memory
[AD-A229743] 12 p1931 N91-20625
SORNATALE, FRANK
An overview of tropical circulation
[AD-A234984] 18 p3014 N91-26645
SOROKA, E.
A simple solution to the singular linear minimum-variance estimation problem
[IAITIC-87-1002-REV] 15 p2493 N91-23804
SOROUSHNEJAD, MOHSEN
Performance evaluation of multi-access strategies for an integrated voice/data CDMA packet radio network
[AD-A229155] 09 p1324 N91-17273
SORRENSEN, KRISTIN
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684
SORVARI, J. M.
A proposed astronomical reference catalog of infrared sources
[AD-A226757] 06 p0912 N91-15041
SOSNAY, R.
The development test flight of the flight telerobotic servicer 12 p1938 N91-20661
SOSNOVETS, E. N.
Dynamics of equatorial and polar boundaries of penetration of solar protons with energy about 1 MeV into magnetosphere during strong magnetic storm
18 p2931 N91-26172
SOSNOVSKIY, A. V.
Combined effects of elevated concentrations of carbon dioxide and ambient temperature on thermal state of humans in closed chambers 01 p0097 N91-10563
SOSTARICH, JOSEPH J.
X-ray inspection system
[PATENT-1-258-924] 23 p3882 N91-31660
SOTELINO, ELISA DOMINGUEZ
A class of concurrent algorithms for transient finite element analysis 16 p2638 N91-24600
SOTNIKOVA, N. YA.
Gas flows in S-E binary systems of galaxies
08 p1263 N91-16956
SOTTOS, NANCY R.
The influence of interphase regions on local thermal stresses and deformations in composites
23 p3806 N91-31228
SOUBIE, JEAN-LUC
Role and interest of new technologies in data processing for space control centers 14 p2210 N91-22206
SOUERS, P. C.
Optical and thermal energy discharge from tritiated solid hydrogen
[DE91-011188] 17 p2757 N91-25263
Enhancing atom densities in solid hydrogen by isotopic substitution
[DE91-011189] 20 p3396 N91-28824
SOUFFLOT, A.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175
SOUKANOV, J.
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station)
11 p1761 N91-19689
SOUKOULIS, C. M.
A theoretical investigation on structural, vibrational, and electronic properties of amorphous silicon
[DE90-018040] 02 p0226 N91-11267
SOULA, SERGE
The detection of the electric field vertical distribution underneath thundercloud: Principle and applications
24 p4055 N91-32653
SOULEILLE, PIERRE
Silicon elastomers in structural glass adhesion. Application: Silovitrail
[ETN-90-97804] 03 p0343 N91-11921
SOULEN, BOB
A machinable oxide ceramic
[AD-D014752] 12 p1876 N91-20311
SOURISSEAU, J. C.
Validation of in-house and external software systems at Aerospatiale 16 p2645 N91-24640
SOUSA, JAMES
Aircrew eye/respiratory protection: A military airlift command perspective 10 p1465 N91-18078
SOUSOUNIS, PETER JOHN
The mesoscale responses of a locally heated planetary boundary layer 16 p2656 N91-24698
SOUTH, D. W.
Global climate change: A discussion of major uncertainties
[DE91-011746] 18 p3007 N91-26604
Coal utilization and CO2 emissions: What are the control options?
[DE91-015988] 23 p3892 N91-31721
SOUTH, JERRY C., JR.
Computational fluid dynamics research and applications at NASA Langley Research Center
02 p0143 N91-10841
SOUTHER, ARTHUR
Machine learning research 1989-90
[NASA-CR-188828] 24 p4086 N91-32826
SOUTHGATE, P. N.
A sedimentological model for the Loves Creek Member of the Bitter Springs Formation, northern Amadeus Basin
19 p3193 N91-27656
SOUTHON, J. R.
The new LLNL AMS spectrometer
[DE90-010868] 08 p1108 N91-16084

Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538
SOUTHWICK, R. D.
Large liquid rocket engine transient performance simulation system
[NASA-CR-184099] 13 p2042 N91-21232
Large liquid rocket engine transient performance simulation system
[NASA-CR-183780] 16 p2587 N91-24340
SOUTHWOOD, D. J.
Multispacecraft measurement at varying scalelengths: The Cluster/Regatta opportunity
01 p0069 N91-10418
Configurational sensitivity of multipoint magnetic field measurements 01 p0070 N91-10421
SOUTHWORTH, F.
Global warming: Transportation and energy considerations, 1990
[PB91-118919] 12 p1921 N91-20567
SOUVIGNET, R.
Bolted structural assemblies: Bibliographic analysis
[CETIM-13N061] 05 p0673 N91-13742
SOUYRI, M.
Calibration of ASIC library for radiation tolerant space applications methodology and experiment
24 p3996 N91-32334
SOVA, G.
Aerodynamic preliminary analysis system 2. Part 2: User's manual
[NASA-CR-182077] 15 p2364 N91-23081
SOVERS, O. J.
JPL 1990-3: A 5-nrad extragalactic source catalog based on combined radio interferometric observations
24 p3987 N91-32276
SOVESTNOV, A. E.
Double 4f-collapse in Ce(0.9-x)Yb(x)Th(0.1)
[DE91-619752] 13 p2160 N91-21908
SOVEY, J. S.
Dual ion beam processed diamondlike films for industrial applications 14 p2358 N91-23042
SOVEY, JAMES S.
Flexible fluoropolymer filled protective coatings
15 p2539 N91-24062
Ion beam sputtering in electric propulsion facilities
[NASA-TM-105145] 24 p3966 N91-32158
SOVIE, AMY L.
Vibrational testing of optical fiber connector joints
[NASA-TM-103654] 06 p0873 N91-14829
Fiber-optic applications for space-based engines
[NASA-TM-105235] 24 p3967 N91-32163
SOVIE, R. J.
Historical perspectives: The role of the NASA Lewis Research Center in the national space nuclear power programs
[NASA-TM-105196] 20 p3448 N91-29138
SOVINEC, CARL R.
An analytic model for the compression of plasma toroids
[AD-A229500] 22 p3755 N91-30935
SOWA, E. C.
The electronic structure of grain boundaries in Nb
[DE91-008572] 12 p1992 N91-20965
SOWA, ERIC C.
A new approach for the determination of electronic structure
[DE90-010479] 08 p1219 N91-16713
SOWA, W. A.
Fundamental investigation of duct/ESP phenomena: Flow visualization
[DE91-010999] 22 p3677 N91-30471
SOWERS, ARTHUR E.
International conference on Biophysics of Transmembrane Electric Fields
[AD-A232057] 16 p2661 N91-24724
SOWERS, JENNIFER W.
Definition study for temperature control in advanced protein crystal growth
[NASA-CR-187346] 05 p0722 N91-14029
Nucleation and growth control in protein crystallization
[NASA-CR-187345] 07 p1070 N91-15886
SOWERS, M. W.
Distribution of the daily foF2 about the monthly median
[PB90-252404] 04 p0513 N91-12851
SPACHT, L.
Aerodynamic preliminary analysis system 2. Part 2: User's manual
[NASA-CR-182077] 15 p2364 N91-23081
SPADY, AMOS A., JR.
Airborne Wind Shear Detection and Warning Systems. Second Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10050-PT-1] 03 p0302 N91-11682
Airborne Wind Shear Detection and Warning Systems. Second Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10050-PT-2] 03 p0304 N91-11695
SPAHN, CAROLL J.
Adaptive data acquisition multiplexing system and method
[NASA-CASE-MSC-21170-1] 06 p0791 N91-14371
SPAID, FRANK W.
An experimental study of the turbulent boundary layer on a transport wing in subsonic and transonic flow
[NASA-TM-102206] 11 p1643 N91-19062
SPAIN, E. H.
Objective assessments of mobility with an early Unmanned Ground Vehicle (UGV) prototype viewing system
[AD-A237317] 21 p3527 N91-29595
SPAINHOUR, LISA K.
Composite database interface users manual
[AD-A235327] 18 p2942 N91-26230
SPALART, P. R.
Understanding transition and turbulence through direct simulations 02 p0144 N91-10846
SPALEK, G.
Cumulative beam breakup of the ground-based-free-electron laser
[DE90-016485] 01 p0047 N91-10279
E-beam accelerator cavity development for the ground-based free electron laser
[DE91-013760] 20 p3352 N91-28563
SPALL, D.
Supercritical fluids cleaning
[DE91-013374] 20 p3333 N91-28456
SPALVINS, T.
Lubrication with sputtered MoS2 films: Principles, operation, limitations
[NASA-TM-105292] 24 p3977 N91-32216
SPALVINS, TALIVALDIS
Plasma-assisted physical vapor deposition surface treatments for tribological control
[NASA-TM-103652] 03 p0348 N91-11945
SPANDE, ROBERT
The 23rd Optoelectronic Workshop: Optical System Assessment for Design and Simulated Annealing
[AD-A238588] 21 p3583 N91-29932
SPANGENBERG, DOROTHY B.
Jellyfish: Special tools for biological research on Earth and in space 17 p2820 N91-25581
Effects of clinostat rotation on aurelia statolith synthesis 17 p2820 N91-25582
SPANGLER, ELSON B.
Smoothness criteria for runway rehabilitation and overlays
[DOT/FAA/RD-90/23] 11 p1651 N91-19102
SPANIOL, CRAIG
Low frequency electric and magnetic fields
17 p2881 N91-25929
SPANNE, P.
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859
High-energy synchrotron radiation x ray microscopy: Present status and future prospects
[DE91-016894] 24 p4097 N91-32893
SPANNER, J. C.
Nondestructive testing standards and the ASME code
[DE91-012643] 20 p3358 N91-28600
SPANNER, MICHAEL
Remote sensing of the seasonal variation of coniferous forest structure and function 17 p2799 N91-25485
SPANOS, JOHN T.
Order reduction and synthesis of transfer function models 20 p3388 N91-28769
SPANYER, K. L.
Parametric study in weld mismatch of longitudinally welded SSME HPFTP inlet
[NASA-TM-103534] 15 p2437 N91-23502
SPAPPERI, JEFF
The Phoenix Pluto Probe 08 p1102 N91-16053
SPARGO, ROBERT A.
Management information: A key to better acquisition at NIH
[AD-A226867] 08 p1239 N91-16830
SPARKS, C. J.
X ray microprobe-microscopy
[DE90-017327] 02 p0271 N91-11520
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811
X ray determination of site occupation parameters in ordered ternaries Cu(Au(x)M(1-x))M = Ni,Pd
[DE91-007861] 11 p1809 N91-19937
X ray microimaging of elemental composition and microstructure for materials science
[DE91-012052] 20 p3358 N91-28601
X ray microimaging of elemental composition and microstructure for materials science
[DE91-012221] 20 p3398 N91-28832
SPARKS, C. J., JR.
Microstructure and hardness of NiAl/Ni2AlX two-phase ordered intermetallic alloys
[DE91-012068] 18 p2958 N91-26323
SPARKS, L. L.
Thermal conductivity of a polyimide film between 4.2 and 300 K, with and without alumina particles as filler
[PB91-144402] 16 p2604 N91-24431
SPARKS, SHAWN
Laser hazards bibliography, January 1991
[AD-A232690] 15 p2434 N91-23487
SPARKS, W. B.
Cool infalling gas and its interaction with the hot ISM of elliptical galaxies 08 p1256 N91-16915
Dust and ionized gas in active radio elliptical galaxies
08 p1256 N91-16919
IC5063: A merger with a hidden luminous active nucleus 08 p1257 N91-16923
SPARKS, W. M.
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
SPARLIN, D. M.
Characterization of electrically conducting oxides
[DE91-000596] 03 p0338 N91-11895
Defect characterization of electronic conducting pseudo-perovskite systems
[DE91-014385] 21 p3592 N91-29978
SPARN, G.
Doping and pressure study of U3Sb4Pt3
[DE91-013669] 20 p3431 N91-29033
Pressure dependence of the Curie-temperature in the Kondo-lattice-compound YbNiSn
[DE91-013672] 20 p3433 N91-29046
SPARN, T.
AI techniques for a space application scheduling problem 14 p2313 N91-22776
SPARNOCCHIA, S.
On the autoregression methods applied to the hourly nucleonic-component records
[IFSI-89-19] 01 p0142 N91-10837
SPARROW, R. A.
Feasibility studies for an ECR-generated plasma stripper: Preliminary
[DE91-006649] 10 p1602 N91-18835
SPARROW, VICTOR W.
Penn State/ONR Mid Frequency Workshop
[AD-A237982] 21 p3500 N91-29420
SPASSOVA-KWAAITAAL, T.
Decompositional state assignment with reuse of standard designs: Using counters as sub-machines and using the method of maximal adjacencies to select the state chains and the state codes
[EUT-90-E-247] 22 p3742 N91-30851
SPATSCHEK, K. H.
Formation and dynamics of solitary waves and vortices in driven and damped systems
20 p3416 N91-28942
SPATSCHEK, THOMAS
High power optical transmitter package
[ETN-90-98197] 04 p0531 N91-12945
SPATZ, DAVID M.
Nature and origin of secondary mineral coatings on volcanic rocks of the Black Mountain, Stonewall Mountain, and Kane Springs Wash volcanic centers, southern, Nevada
[NASA-CR-183493] 24 p4043 N91-32591
SPAULDING, DALE R.
Economic development of small-scale information systems
[AD-A226162] 04 p0606 N91-13371
SPEAR, STEVE
LDEF mechanical systems 16 p2724 N91-25086
On-orbit coldwelding 16 p2724 N91-25087
SPECHT, E. D.
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811
Control of texture and defect structure for hot-filament-assisted CVD (Chemical Vapor Deposition) diamond Films
[DE91-008373] 11 p1689 N91-19310
X ray determination of site occupation parameters in ordered ternaries Cu(Au(x)M(1-x))M = Ni,Pd
[DE91-007861] 11 p1809 N91-19937
SPECHT, ROLF
Parameter evaluation and digital adaptive regulation of an industrial robot
[ETN-91-98793] 10 p1532 N91-18440
SPECK, D. R.
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems
[DE91-011524] 17 p2781 N91-25390

SPEE, J. W.
Finding all minimal covers of a set using implicit enumeration
[CWI-CS-R9007] 07 p1057 N91-15807
SPEER, R. D.
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482
SPEICH, D. M.
The 1980 solar maximum mission event listing
[NASA-TM-4287] 18 p3091 N91-27087
SPEIGHT, T. J.
Combining of signals in a geographical diversity system 22 p3661 N91-30379
SPEISER, THEODORE W.
Studies of magnetopause structure
[NASA-CR-188639] 19 p3191 N91-27646
SPELLMAN, LISA
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device structures
[AD-A225883] 04 p0518 N91-12885
SPELT, P. F.
Experimentation and concept formation by an autonomous mobile robot
[DE90-003063] 08 p1156 N91-16368
SPELT, PHILIP F.
Artificial intelligence, human factors, robotics, and computer simulation
[DE90-016866] 01 p0112 N91-10653
SPENCE, H. E.
The variation of the plasma sheet polytropic index along the midnight meridian in a finite width magnetotail
[AD-A225948] 04 p0547 N91-13034
SPENCE, PETER L.
User's manual for the Langley boundary layer noise propagation program (MRS-BLP)
[NASA-CR-187559] 23 p3924 N91-31923
SPENCE, RODNEY L.
Millimeter wavelength communications applications for the SEI
[NASA-TM-105275] 24 p3989 N91-32287
SPENCER, C. M.
SLC polarized beam source electron optics design
[DE91-012911] 20 p3404 N91-28869
SPENCER, D. G.
The powerplant options for a future large aircraft 10 p1465 N91-18080
SPENCER, DONALD J.
Transverse flow gas lens
[AD-A231366] 13 p2155 N91-21878
SPENCER, FLOYD W.
On the design of component test plans based on system reliability objectives
[DE90-017034] 05 p0673 N91-13745
SPENCER, JAMES T.
Magnetic field effect transistors
[AD-A226535] 05 p0651 N91-13614
SPENCER, JOHN H.
NASA/American Society for Engineering Education (ASEE) Summer Faculty Fellowship Program, 1990
[NASA-CR-182092] 04 p0593 N91-13309
SPENCER, MICHAEL G.
Characterization of quantum well structures using a photocathode electron microscope 19 p3275 N91-28118
SPENCER, ROY W.
The advanced microwave precipitation radiometer: A new aircraft radiometer for passive precipitation remote sensing 17 p2797 N91-25469
AMPR/SSMI data comparisons 24 p4057 N91-32665
Global temperature variations 24 p4060 N91-32683
SPENGLER, JOHN D.
Nitrogen dioxide and respiratory infection: Pilot investigations
[PB90-247339] 02 p0243 N91-11357
SPERA, DAVID A.
Structural properties of laminated Douglas fir/epoxy composite material
[NASA-RP-1236] 01 p0022 N91-10127
SPERBER, K. R.
Interseasonal air-sea interactions in the OSU (Oregon State University) coupled upper ocean-atmosphere GCM (General Circulation Model)
[DE91-005261] 10 p1556 N91-18557
Simulation of precipitation scavenging in a three-dimensional global model
[DE91-011531] 18 p3007 N91-26606
Time scales of variability associated with Nordeste precipitation
[DE91-015696] 23 p3892 N91-31718
SPERLING, LESLIE H.
Optoelectronic devices
[AD-D014618] 06 p0872 N91-14822
SPERO, E.
Liquid-metal MHD power conversion for space electric systems
[SER-S/27] 15 p2390 N91-23231
SPERRY, DAVID J.
Prototype instrumentation and design studies
[AD-A211566] 01 p0044 N91-10264
Prototype instrumentation and design studies
[AD-A230707] 12 p1835 N91-20083
SPERTUS, ELLEN
Dataflow computation for the J-machine
[AD-A228612] 09 p1383 N91-17603
Experiments with dataflow on a general-purpose parallel computer
[AD-A235521] 19 p3232 N91-27870
SPEYER, J. J.
Impact of new technology on operational interface: From design aims to flight evaluation and measurement 02 p0169 N91-10977
SPEYER, J. L.
A robust momentum management and attitude control system for the space station
[NASA-CR-188115] 12 p1856 N91-20202
System characterization of positive real conditions
[NASA-CR-188113] 12 p1960 N91-20784
SPEZIALE, C. G.
Toward the large-eddy simulation of compressible turbulent flows
[NASA-CR-187460] 05 p0657 N91-13650
Turbulent separated flow past a backward-facing step: A critical evaluation of two-equation turbulence models
[NASA-CR-187532] 13 p2079 N91-21451
Development of turbulence models for shear flows by a double expansion technique
[NASA-CR-187611] 22 p3676 N91-30466
SPEZIALE, CHARLES G.
Bounded energy states in homogeneous turbulent shear flow: An alternative view
[NASA-CR-187439] 01 p0040 N91-10237
Modeling the dissipation rate in rotating turbulent flows
[NASA-CR-187485] 08 p1146 N91-16306
Second-order closure models for supersonic turbulent flows
[NASA-CR-187508] 10 p1524 N91-18390
Application of a new K-tau model to near wall turbulent flows
[NASA-CR-187518] 10 p1525 N91-18397
An analysis of RNG based turbulence models for homogeneous shear flow
[NASA-CR-187552] 15 p2425 N91-23433
The energy decay in self-preserving isotropic turbulence revisited
[NASA-CR-187604] 22 p3676 N91-30465
SPEZIALI, V.
Monolithic radiation hard charge sensitive preamplifier using junction field effect transistors
[DE91-008437] 11 p1699 N91-19360
SPICER, KELLY L.
Mapping an object-oriented requirements analysis to a design architecture that supports design and component reuse
[AD-A230460] 12 p1957 N91-20767
SPICER, W. E.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
SPICER, WILLIAM E.
Investigation of Schottky barrier on GaAs and InP using a multi-disciplined approach
[AD-A231822] 14 p2331 N91-22879
SPIDALIERE, P.
The development test flight of the flight telerobotic servicer 12 p1938 N91-20661
Recommended fine positioning test for the Development Test Flight (DTF-1) of the NASA Flight Telerobotic Servicer (FTS)
[NASA-CR-188683] 19 p3177 N91-27565
SPIEGEL, D. R.
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
SPIEKHOUT, D. J.
Re-assessing the F-16 damage tolerance and durability life of the RNLAF F-16 aircraft
[NLR-TP-89184-U] 04 p0480 N91-12675
SPIEKSMA, F.
On the relation between recurrence and ergodicity properties in denumerable Markov decision chains
[TW-91-02] 23 p3923 N91-31918
SPIEKSMA, FLOS M.
Geometric ergodicity of the ALOHA-system and a coupled processors model
[TW-90-01-B] 01 p0115 N91-10680
SPIELBAUER, HANS-KILIAN
A process for power measurement of inverters with oscillating components of high frequency in current and voltage
[ETN-91-98781] 10 p1520 N91-18373
SPIELER, H.
Evaluation of the x ray response of a position-sensitive microstrip detector with an integrated readout chip
[DE91-004414] 07 p0998 N91-15482
SPIELMAN, F. E.
Tiled raster graphics and MIL-R-28002A: A tutorial and implementation guide
[PB91-187708] 22 p3727 N91-30746
SPIELMAN, RICK
Sodium-neon resonant photoexcitation soft x ray laser experiments on Saturn
[DE90-014946] 01 p0046 N91-10275
SPIELMAN, RICK B.
X-Ray Detector: An x-ray radiation detector design code
[DE90-008235] 08 p1147 N91-16317
SPIER, E. E.
Test/semi-empirical analysis of a carbon/epoxy fabric stiffened panel 01 p0051 N91-10302
SPIERS, GARY D.
Computer modeling of pulsed CO2 lasers for lidar applications 24 p4060 N91-32680
SPIJKER, M. N.
On a conjecture by LeVeque and Trefethen related to the Kreiss matrix theorem
[TW-90-07] 14 p2320 N91-22810
SPIKES, H. A.
Infrared study of piston ring temperatures in a fired engine
[AD-A230136] 12 p1907 N91-20491
SPILLER, E.
Imaging performance and tests of soft x ray telescopes
[DE91-007557] 12 p2000 N91-21010
SPILLER, OLAF
Protection of electrical and electronic equipment against lightning indirect effects on the Airbus A340 wing 24 p4048 N91-32613
SPINDLER, GERHARD
Laser technology for space tasks
[DLR-MITT-90-10] 03 p0371 N91-12080
SPINHIRNE, JAMES D.
Lidar and radiometer results from the ER-2 for the FIRE field experiments 01 p0078 N91-10468
FIRE Cirrus on October 28, 1986: LANDSAT; ER-2; King Air; theory 01 p0081 N91-10480
ER-2 lidar measurements of stratocumulus cloud top structure on July 14, 1987 01 p0089 N91-10523
Visible and near infrared observation on the Global Aerosol Backscatter Experiment (GLOBE) 17 p2799 N91-25486
SPINONI, MAURIZIO
Human engineering activity for the definition of visual avionic systems
[ETN-91-99510] 22 p3721 N91-30710
SPINTZYK, JOHANNES
Application of civil air transport technology to military airlift 10 p1466 N91-18086
SPIRTES, PETER
Using artificial intelligence to aid in the development of causal models
[AD-A231273] 13 p2142 N91-21794
SPISZ, ERNIE
LBR-2 Earth stations for the ACTS program 03 p0353 N91-11971
SPITZER, CARY R.
Digital avionics: A cornerstone of aviation 09 p1376 N91-17560
SPITZIG, W. A.
Analysis of deformation characteristics of a heavily deformed Cu-20 percent Nb composite
[DE90-018041] 02 p0191 N91-11070
SPIVAKOVSKY, C. M.
Theoretical studies of long-range transport of oxidants
[PB91-182360] 21 p3539 N91-29661
SPLETTSTOESSER, W. R.
Wake geometry effects on rotor blade-vortex interaction noise directivity
[NASA-TP-3015] 03 p0414 N91-12315
SPLITT, GEORG
Efficient numerical techniques for the analysis of complex microstrip-antennas and microstrip arrays
[DLR-FB-90-53] 15 p2412 N91-23357
SPOFFORD, JOHN R.
Machine vision based teleoperation aid 14 p2315 N91-22784

SPONG, D. A.
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
SPORNY, RICHARD F.
Space shuttle main engine computed tomography applications 10 p1487 N91-18191
SPRADLEY, I.
Integrated Cryogenic Experiment (ICE) microsphere investigation
[NASA-CR-177538] 11 p1693 N91-19323
SPRAGINS, C. W.
Edge electrostatic fluctuations and transport in the MST reversed field pinch
[DE91-015218] 21 p3588 N91-29959
SPRAGUE, ANN LOUISE
An observational comparison of mercury and the moon 03 p0438 N91-12449
SPRAGUE, BENNY B.
Quick connect coupling
[NASA-CASE-MSC-21539-1] 06 p0834 N91-14610
SPRAGUE, MARK
Exponential ground impedance models and their interpretation 08 p1215 N91-16686
SPRAGUE, R.
Concurrent engineering 20 p3299 N91-28247
SPRANGLE, P.
Review of free electron lasers
[PB90-255480] 02 p0216 N91-11206
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
Elimination of laser prepulse by relativistic guiding in a plasma
[AD-A229859] 12 p1903 N91-20466
Transverse klystron
[AD-A231586] 13 p2077 N91-21444
Frequency upshifting of laser pulses by ionization fronts
[AD-A234354] 18 p2989 N91-26503
Evolution of a finite pulse of radiation in a high-power free-electron laser
[AD-A237427] 21 p3523 N91-29568
SPRATT, RANDOLPH W.
Ground environment characterization of STOVL fighter propulsion systems
[AD-A225372] 03 p0314 N91-11756
SPRECHER, ARNOLD F.
Effects of electric fields and currents on microstructure, properties, and processing of metals and alloys
[AD-A228647] 09 p1312 N91-17201
SPREIJ, PETER C.
On second order optimality of regular projective estimators, part 1
[CWI-BS-R9029-PT-1] 17 p2848 N91-25745
SPREIJ, PETER J. C.
On SLLN for martingales with deterministic quadratic variation
[CWI-BS-R8933] 02 p0260 N91-11445
SPREITZER, MIKE
Comparing structurally different views of a VLSI design
[PB91-111757] 13 p2074 N91-21425
SPREKREIJSE, S. P.
A Roe-type scheme for chemically reacting flow in thermal equilibrium
[NLR-TP-89041-U] 22 p3679 N91-30485
SPRENGER, H.
Skin technology (TEXUS 1) 23 p3848 N91-31455
Skin technology (TEXUS 2) 23 p3848 N91-31456
Skin technology (TEXUS 3) 23 p3848 N91-31457
Skin technology (TEXUS 4) 23 p3849 N91-31458
Skin technology (TEXUS 9) 23 p3849 N91-31459
Skin technology (TEXUS 11 and 12) 23 p3849 N91-31460
SPRENGER, S.
Segregation behaviour of rare earths under microgravity and normal gravity conditions (TEXUS 13) 23 p3839 N91-31407
SPRING, JOHN WALTER
A modular stiffness-based approach to rotating systems analysis 08 p1162 N91-16400
SPRINGER, GEORGE S.
Processing composites 03 p0326 N91-11813
SPRINGER, JOE B.
Ground data system resource allocation planning to support mission management 14 p2213 N91-22223
SPRINGER, JOHN M.
US and foreign alloy cross-reference database
[NASA-CR-184166] 18 p2956 N91-26313
Purification, growth, and characterization of Zn(x)Cd(1-x)Se crystals 19 p3270 N91-28089
SPRINGER, P. T.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
SPRINGER, R. W.
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013882] 20 p3352 N91-28565
SPRINGER, T. E.
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
Recent achievements in polymer electrolyte fuel cell (PEFC) research at Los Alamos National Laboratory
[DE91-013683] 20 p3369 N91-28661
Water transport properties of fuel cell ionomers
[DE91-016015] 23 p3811 N91-31259
Pseudohomogeneous catalyst layer model for polymer electrolyte fuel cell
[DE91-016014] 23 p3890 N91-31710
Modeling water content effects in polymer electrolyte fuel cells
[DE91-016027] 24 p4040 N91-32573
SPRINGSTON, S. R.
Tropospheric sampling with aircraft
[DE91-009472] 15 p2459 N91-23626
SPRINKLE, DANNY R.
Investigation of microstructural changes in polyetherether-ketone films at cryogenic temperatures by positron lifetime spectroscopy
[NASA-TP-3064] 10 p1493 N91-18216
SPROTT, J. C.
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535
The Madison symmetric torus
[DE90-010306] 08 p1226 N91-16757
Modified polynomial function model for reversed field pinches
[DE91-007662] 10 p1603 N91-18847
Extraction of dynamical equations from chaotic data
[DE91-011762] 17 p2847 N91-25738
SPROULL, STEVEN J.
Processable polymers and copolymers of 3-alkylthiophenes and their blends
[AD-A234596] 18 p2962 N91-26351
SPROUSE, KENNETH M.
Infrastructure for deployment of power systems
[NASA-CR-187167] 22 p3699 N91-30595
SPRUCK, J.
Computation and graphics in mathematical research
[DE91-007333] 11 p1782 N91-19776
SPRUIJT, C. P.
Investigations into a pulsed heterodyne CO2-laser rangefinder
[FEL-90-A087] 07 p1008 N91-15537
Refinement of a pulsed CO2-laser rangefinder with heterodyne detection
[FEL-90-A303] 24 p4022 N91-32477
SPRUIJT, H.
Test on opto couplers in the linear application considering temperature, radiation and Vce effects 24 p3993 N91-32314
SPRUNT, BRINKLEY
Implementing sporadic servers in Ada
[AD-A226723] 08 p1198 N91-16584
SPURGASH, S. M.
Remote detection of organics using Fourier transform infrared spectroscopy
[DE91-006045] 11 p1679 N91-19253
SPURGEON, K. M.
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407
SPURGEON, S. K.
Robust variable structure control of model reference systems
[MATHS-REPT-A-131] 05 p0708 N91-13947
On hyperplane design techniques for discrete-time variable structure control systems
[MATHS-REPT-A-133] 05 p0708 N91-13948
SQUADERE, TERRIE
Scientific and engineering research facilities at universities and colleges, 1990
[PB90-272006] 09 p1424 N91-17837
SQUILLANTE, MICHAEL R.
Chemical spray pyrolysis of Tl-Ba-Ca-Cu-O high-T(sub c) superconductors for high-field bitter magnets 13 p2039 N91-21212
SQUIRES, KYLE DAVID
The interaction of particles with homogeneous turbulence 23 p3864 N91-31548
SQUIRES, M. P.
Development of a geographic navigational display device for general aviation aircraft
[PB91-170282] 23 p3786 N91-31114
SQUIRES, WILLIAM G.
Mechanics, impact loads and EMG on the space shuttle treadmill 18 p3096 N91-27112
SREDINSKI, VICTORIA E.
Enhancing the usability of CRT displays in test flight monitoring 12 p1947 N91-20709
SREEDHAR, VUGRANAM
Capturing strong reduction in director string calculus
[AD-A226738] 06 p0865 N91-14783
SRIDHAR, K. R.
Thermal analysis, optimization and design of a Martian oxygen production plant 16 p2594 N91-24375
Issues on the production and electrochemical separation of oxygen from carbon dioxide 16 p2594 N91-24376
High temperature seals between ceramic separation membranes and super-alloy housing 16 p2596 N91-24382
Experimental data from an oxygen plant for Mars 17 p2913 N91-26082
SRIDHAR, S.
Performance of a high T(sub c) superconducting ultra-low loss microwave stripline filter 24 p3984 N91-32255
SRIHARI, SARGUR N.
Northeast Artificial Intelligence Consortium (NAIC). Volume 3: The Versatile Maintenance Expert System (VMES)
[AD-A234882] 18 p3046 N91-26817
SRIKISHEN, J.
Climate dynamics experiments using a GCM simulations 24 p4057 N91-32663
SRINATHKUMAR, S.
Design and test of three active flutter suppression controllers 14 p2230 N91-22334
SRINIVASAN-RAO, T.
A study of electro-optical modulators for transfer of detector signals by optical fibers
[DE91-006349] 09 p1399 N91-17701
Summary of the working group on transverse emissions from photocathodes
[DE91-008414] 11 p1712 N91-19432
Photoemission studies using femtosecond pulses for high brightness electron beams
[DE91-008436] 11 p1795 N91-19849
Development of high current electron source using photoemission from metals with ultrashort laser pulses
[DE91-008438] 11 p1795 N91-19850
Amplification of femtosecond pulses using a N2 pump laser
[DE91-008413] 13 p2092 N91-21513
High current photoemission with 10 picosecond UV pulses
[DE91-009439] 13 p2092 N91-21515
Performance characteristics of Mach-Zehnder modulators for transfer of detector signals by optical fibers
[DE91-008439] 13 p2154 N91-21873
SRINIVASAN, G. R.
Flowfield of a lifting hovering rotor: A Navier-Stokes simulation
[NASA-TM-102862] 07 p0936 N91-15128
SRINIVASAN, J. M.
Design and status of the RF-digitizer integrated circuit 24 p3965 N91-32262
SRINIVASAN, K.
Response of composite materials to low velocity impact
[NASA-TM-102755] 07 p0972 N91-15337
Impact response of composite materials
[NASA-CR-187896] 09 p1304 N91-17157
SRINIVASAN, R.
Mechanical behavior and flow mechanisms in refractory metal composition
[AD-A234701] 18 p2953 N91-26297
Discrepancies in the crystal structures assigned to precipitated zirconia
[AD-A234644] 19 p3250 N91-27976
SRINIVASAN, RAMAKRISHNA
Aircraft interior noise reduction by alternate resonance tuning
[NASA-CR-186879] 02 p0266 N91-11488
SRINIVASAN, S
Oxygen electrode in molten carbonate fuel cells
[DE91-005743] 10 p1541 N91-18483
SRINIVASAN, S.
Synthesis of metastable aluminum-based intermetallics by mechanical alloying
[DE91-013651] 20 p3319 N91-28376
SRINIVASAN, SUPRAMANIAM
High energy efficiency and high power density proton exchange membrane fuel cells: Electrode kinetics and mass transport 24 p4037 N91-32558
SRINIVASAN, V.
Glow discharge lamp: A light source for optical emission spectroscopy
[DE91-619433] 16 p2621 N91-24517

SRINIVASMURTHY, S.
Interfacial characteristic measurements in horizontal bubbly two-phase flow
[DE91-009803] 15 p2424 N91-23427
SRIRANGARAJAN, RAJAN
System improvements identified by the North Atlantic Systems Planning Group (NAT/SPG) as related to the capabilities of the Oceanic Display and Planning System (ODAPS) 24 p3957 N91-32109
SRIVAS, MANDAYAM
Verifying an interactive consistency circuit: A case study in the reuse of a verification technology 09 p1377 N91-17570
Verification of the FtCayuga fault-tolerant microprocessor system. Volume 2: Formal specification and correctness theorems
[NASA-CR-187574] 21 p3559 N91-29777
Verification of the FtCayuga fault-tolerant microprocessor system. Volume 1: A case study in theorem prover-based verification
[NASA-CR-4381] 21 p3559 N91-29778
SRIVASTAVA, RAKESH
An efficient hybrid scheme for the solution of rotational flow around advanced propellers 16 p2545 N91-24104
SRIVASTAVA, SANDANAND
Automated assembly in space 19 p3273 N91-28106
SRIVASTAVA, V.
Atmospheric aerosol and Doppler lidar studies 24 p4057 N91-32666
SRIVASTAVA, VANDANA
Airborne coherent continuous wave CO2 Doppler lidars for aerosol backscatter measurement 17 p2798 N91-25480
SRIVASTAVA, YOGENDRA N.
Topics in gauge theories and the unification of elementary particle interactions
[DE91-006687] 09 p1397 N91-17690
SRIVASYTAVA, SANTASH
Apparatus and method for characterizing the transmission efficiency of a mass spectrometer
[NASA-CASE-NPO-16969-1-CU] 06 p0830 N91-14587
SRIVATSAN, RAGHAVACHARI
Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13854-1-CU] 23 p3787 N91-31120
SRIVENKATESHAN, R.
Issues in developing parallel iterative algorithms for solving partial differential equations on a (transputer-based) distributed parallel computing system
[DE91-622927] 17 p2837 N91-25681
SROLOVITZ, D. J.
Free energy simulation of grain boundary segregation the thermodynamics in Ni(3-x)Al(1+x)
[DE91-007473] 11 p1808 N91-19928
SRULIJES, J.
Turbulent boundary layer influence on the flow field behind a shock wave in a shock tube
[ISL-CO-225/89] 03 p0366 N91-12049
Laser-Doppler velocimeter measurements of shock and piston induced turbulent boundary layer in a shock tube
[ISL-CO-227/89] 03 p0366 N91-12050
ST. CLAIR, ANNE K.
Polyimides prepared from 3,5-diamino benzo trifluoride
[NASA-CASE-LAR-14206-1] 20 p3327 N91-28425
ST. CLAIR, TERRY L.
Polyimides prepared from 3,5-diamino benzo trifluoride
[NASA-CASE-LAR-14206-1] 20 p3327 N91-28425
ST.CLAIR, ANNE K.
Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] 19 p3117 N91-27220
Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14489-1] 19 p3176 N91-27562
ST.CLAIR, TERRY L.
The mechanical stability of polyimide films at high pH
[NASA-TM-102726] 03 p0343 N91-11920
Novel polyimide molding powder, coating, adhesive, and matrix resin
[NASA-CASE-LAR-14163-1] 05 p0642 N91-13559
Processable polyimide adhesive and matrix composite resin
[NASA-CASE-LAR-14101-1] 07 p0984 N91-15403
Investigation of microstructural changes in polyetherether-ketone films at cryogenic temperatures by positron lifetime spectroscopy
[NASA-TP-3064] 10 p1493 N91-18216
Low-energy positron flux generator for microstructural characterization of thin films
[NASA-TP-3074] 14 p2266 N91-22538
The development and evaluation of an alternative powder prepregging technique for use with LaRC-TPI/graphite composites
[NASA-CR-188184] 15 p2392 N91-23242
Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] 17 p2747 N91-25200
Slow positron beam generator for lifetime studies
[NASA-CASE-LAR-14250-1-SB] 19 p3243 N91-27936
ST.CYR, O. C.
A catalogue of mass ejections observed by the solar maximum mission coronagraph
[PB90-265166] 09 p1449 N91-17996
ST.JULIEN, DELL
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788
ST.PERE, ROBIN R.
A correlation study between two color-measuring spectrophotometers
[AD-A231416] 14 p2327 N91-22854
STABE, ROY G.
Performance of a high-work, low-aspect-ratio turbine stator tested with a realistic inlet radial temperature gradient
[NASA-TM-103738] 12 p1842 N91-20126
STABEN, HELMUT
Oscillations and stability of a centrifuge with bearing clearance
[ETN-90-98194] 04 p0533 N91-12955
STABILE, P. J.
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
STACEY, G. J.
The 158 micrometer (CII) line: A measure of global star formation activity in galaxies
[NASA-CR-187925] 08 p1267 N91-16977
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009
STACEY, GORDON J.
The (C II) 158 micron line mapping of spiral galaxies 13 p2173 N91-21996
The MPE/UCB Far-Infrared Imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
STACEY, W. M.
Particle transport with ICRH and ECRH in tokamaks
[PB91-106005] 09 p1401 N91-17712
STACEY, WESTON M.
A review of momentum confinement in tokamak plasmas
[PB91-164087] 19 p3250 N91-27975
STACHETTI, V.
Calibration of ASIC library for radiation tolerant space applications methodology and experiment 24 p3996 N91-32334
STACK, JOHN P.
Laminar-flow wind tunnel experiments 16 p2551 N91-24136
Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-2-SB] 23 p3871 N91-31596
STACY, JOHN L.
Pulse compression of 100 picosecond pulses at 1.319 microns
[AD-A232552] 15 p2508 N91-23901
STADEAGER, CARSTEN
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans 11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
Fluid shifts and regulation of plasma volume in humans during 12 hours of head-out water immersion 11 p1746 N91-19602
Influence on natriuresis of prolonged (12 h) water immersion on central hemodynamics and endocrine elements in humans 11 p1748 N91-19612
STADER, J.
Optimum-AIV: A planning and scheduling system for spacecraft AIV 14 p2312 N91-22770
STADERMANN, F. J.
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006
STADERMANN, FRANK J.
Cosmic dust: Laboratory analyses of extremely small particles 11 p1822 N91-20013
STADLER, H. L.
Integrated Vertical Bloch Line (VBL) memory 15 p2537 N91-24051
STADTMUELLER, W.
Load-bearing capacity of large pipes with circumferential defects under tensile stress: Comparison of experiments with calculated estimates
[BLL-OA-TRANS-4233-(6196.3)] 18 p2998 N91-26557
STAEHLE, ROBERT L.
Lunar base siting 17 p2907 N91-26053
STAERK, JUERGEN
The integrated display controller, a new architecture
[ETN-90-98164] 04 p0556 N91-13079
STAFFIN, R.
Advanced design and modeling concepts for recombination x ray lasers
[DE91-005071] 07 p1008 N91-15536
STAFFORD, BYRON
Amorphous silicon research project government/industry program
[DE90-000376] 10 p1540 N91-18477
STAGE, A. R.
Statistical procedures for disaggregation applicable to modeling climatic effects on forest growth
[PB91-160820] 17 p2809 N91-25529
STAGE, STEVEN A.
Air-sea interaction in regions of varying surface conditions
[AD-A228140] 07 p1033 N91-15665
STAGGS, M.
Laser conditioning and electronic defect measurements of HfO2 and SiO2 thin films
[DE91-006237] 09 p1415 N91-17788
STAGNARO, MICHAEL J.
Assured crew return vehicle
[NASA-CASE-MSC-21536-1] 05 p0629 N91-13483
STAGNER, ROBERT E.
Design and evaluation of thrust vectored nozzles using a multicomponent thrust stand
[NASA-CR-180474] 02 p0187 N91-11050
STAHL, D. B.
Interferometry, streak photography, and stereo photography of laser-driven miniature flying plates
[DE91-007493] 11 p1708 N91-19405
STAHL, JOSEPH W.
Analyses of a coproduction acquisition strategy for the Light Helicopter program (LH)
[AD-A226109] 04 p0463 N91-12588
STAHL, M.
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061
STAHL, WOLFGANG
European cooperative programs and the US
[AD-A231799] 14 p2260 N91-22501
STAHMANN, JAMES R.
Launch pad lightning protection effectiveness 24 p4051 N91-32627
STAINSBY, D. F.
An experimental study of plasma structure in a small railgun
[MRL-R-1057] 07 p0961 N91-15293
STAKENBORG, LUC
Labeling problems in truth maintenance systems
[REPT-89-90] 01 p0112 N91-10651
STAKNIS, MARK E.
Improving system reliability through formal analysis and use of checks in software 04 p0600 N91-13343
STALDER, K. R.
Ionic solid hydrogen fuel: Experimental investigation of cluster-impact fusion
[AD-A232642] 15 p2409 N91-23336
Channel diagnostics for the multi-pulse-propagation experiments at ATA
[DE91-009772] 15 p2431 N91-23466
STALEY, JIM M.
Passive infrared detection of microburst induced low level wind shear
[AD-A227650] 07 p1031 N91-15655
STALFORD, HAROLD
Nonlinear feedback control for high alpha flight
[NASA-CR-186545] 01 p0008 N91-10047
Analytical aerodynamic model of a high alpha research vehicle wind-tunnel model
[NASA-CR-187469] 05 p0614 N91-13404
STALKER, R. J.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651
Mach 4 and Mach 8 axisymmetric nozzles for a shock tunnel
[NASA-CR-187533] 12 p1846 N91-20146
STALLARD, B.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919

STALLARD, B. W.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547
STALLCUP, SCOTT S.
Spacecraft Orbit Design and Analysis (SODA). Version 2.0: User's guide
[NASA-CR-187494] 09 p1386 N91-17625
STALLINGS, ROBERT L., JR.
Navier-Stokes solutions for flows related to store separation 02 p0147 N91-10861
Passive venting technique for shallow cavities
[NASA-CASE-LAR-13875-1] 19 p3105 N91-27156
STALOS, S.
Calculation of double-lunar swingby trajectories: Part 2: Numerical solutions in the restricted problem of three bodies 09 p1292 N91-17100
STALS, L. M.
A new approach to the reliability of electronic material systems 24 p3993 N91-32310
STAM, A. J.
Asymptotic behavior of Laguerre polynomials with Re z less than 0 derived by the central limit theorem
[W-9004] 02 p0261 N91-11458
STAM, G. T. M.
A survey on the mechanisms and mechanics of toughning in structural ceramics
[MEMT-15] 17 p2762 N91-25288
STAM, H. J.
Time-domain finite-element method for the computation of three-dimensional acoustic wave fields in inhomogeneous fluids and solids
[PB91-180877] 19 p3240 N91-27915
STAM, HENDRIK JOHANNES
A time-domain finite-element method for the computation of three-dimensional acoustic wave fields in inhomogeneous fluids and solids
[ETN-91-98485] 08 p1219 N91-16710
STAMBAUGH, K. A.
Corrosion experience data requirements
[PB91-169748] 19 p3135 N91-27323
Fatigue performance under multiaxial loading
[PB91-153288] 19 p3179 N91-27577
STAMBAUGH, R. D.
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
STAMBOULIS, P.
Electrojet modulation ELF communications 10 p1554 N91-18546
STAMERJOHANNS, G.
Rationales for the selection of a parts procurement system (coordinated versus centralized) from a prime contractor point of view 24 p4002 N91-32371
STAMNITZ, TIMOTHY C.
Tapered fiber amplifier
[AD-D014629] 06 p0817 N91-14512
STAMPER, J. A.
Laboratory simulation of high-altitude disruptive effects 10 p1553 N91-18542
STAMPFER, M. R.
Chromosomal changes in cultured human epithelial cells transformed by low- and high-LET radiation
[DE91-013772] 20 p3379 N91-28720
STAMPS, DOUGLAS W.
Detonation cell widths in hydrogen-air-diluent mixtures
[DE91-000771] 04 p0502 N91-12790
STAN-LOTTER, HELGA
The evolution of energy-transducing systems. Studies with an extremely halophilic archaebacterium
[NASA-CR-188641] 19 p3207 N91-27724
STANAWAY, SHARON
Rotorcraft application of advanced computational aerodynamics
[NASA-CR-187767] 08 p1091 N91-15987
STANBERY, B. J.
Progress in GaAs/CuInSe2 tandem junction solar cells 11 p1667 N91-19190
STANDEVEN, M. A.
The preliminary aerodynamic design of light aircraft
[BU-504] 14 p2194 N91-22119
STANDLER, RONALD B.
Analysis of transient overvoltage protection circuits
[AD-A228062] 07 p1000 N91-15492
STANEWSKY, E.
Experimental investigation of buffet onset and penetration on a supercritical airfoil at transonic speeds 06 p0781 N91-14328
STANFORD, S. A.
CO aperture synthesis of NGC 4038/9 (ARP 244) 05 p0738 N91-14123
The kinematics and morphology of NGC 520: One, two, or three galaxies 08 p1255 N91-16908
STANFORD, SPENCER ADAM
Recent star formation and the galaxy collisions in NGC 520 15 p2531 N91-24021
STANIEK, GUENTER
Chemical treatment of aluminum alloy powder surfaces
[DLR-FB-90-21] 03 p0342 N91-11917
STANION, K.
Influence of diamond turning and surface cleaning processes on the degradation of KDP crystal surfaces
[DE91-015300] 21 p3601 N91-30035
STANKOV, B. B.
Remote sensor observations during WISP90: The use of microwave radiometers, RASS, and ceilometers for detection of aircraft icing conditions
[PB91-131839] 14 p2291 N91-22670
STANLEY, DOUGLAS O.
Parametric trade studies on a Shuttle 2 launch system architecture
[NASA-TP-3059] 10 p1484 N91-18180
STANLEY, GARY M.
The computational structural mechanics testbed structural-element processor ES1: Basic SRI and ANS shell elements
[NASA-CR-4357] 14 p2277 N91-22595
The computational structural mechanics testbed structural-element processor ES6: STAGS beam element
[NASA-CR-4359] 14 p2278 N91-22597
The computational structural mechanics testbed structural-element processor ES7: Revised ANS shell elements
[NASA-CR-4360] 14 p2278 N91-22598
STANLEY, J. T.
Elastic after-effect due to oxygen relaxation in YBa2Cu3O(7-delta) above Tc
[DE91-005874] 09 p1414 N91-17783
STANLEY, JAMES H.
A new NDE capability for thin-shelled structures
[AD-A231578] 14 p2276 N91-22590
STANLEY, JOHN E.
Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] 06 p0799 N91-14412
STANNY, R.
Micro SAINT modeling of physiological and human performance in the heat
[AD-A238659] 21 p3549 N91-29719
STANNY, R. R.
Modeling for human performance assessment
[AD-A232905] 16 p2663 N91-24736
STANNY, ROBERT R.
The P300 component of the auditory event-related potential: Interlaboratory consistency and test-retest reliability
[AD-A235114] 18 p3029 N91-26725
STANSFIELD, S. A.
An expert system for automated robotic grasping
[DE90-010820] 02 p0219 N91-11221
Haptic perception with an articulated, sensate robot hand
[DE90-010195] 08 p1157 N91-16371
A haptic system for a multifingered hand
[DE90-017044] 11 p1780 N91-19767
STANTON, HORACE D.
Extrudable PBX molding powder
[AD-D014667] 11 p1690 N91-19312
STANTON, P.
Wideband waveguide polarizer development for SETI 24 p3987 N91-32277
STANTON, P. L.
Simplified Velocity Interferometer System for Any Reflector (VISAR) system
[DE91-000024] 03 p0370 N91-12073
STAPP, DARBY
Going four-dimensional at a national laboratory
[DE91-004076] 07 p1049 N91-15761
STAPP, H. P.
Quantum measurement and the mind-brain connection
[DE91-012343] 21 p3550 N91-29723
STAPP, HENRY P.
A quantum theory of the mind-brain interface
[DE91-004431] 08 p1191 N91-16546
STARACE, A. F.
Dynamics of collision processes
[DE91-007933] 11 p1794 N91-19840
STARBUCK, JAMES MICHAEL
Damage states in laminated composite three-point bend specimens: An experimental/analytical correlation study 10 p1492 N91-18213
STARIKOV, L. I.
Effect of graded physical stress on cerebral hemodynamics in pilots 10 p1560 N91-18581
STARK, ANTONY A.
Submillimeter astronomy from the Antarctic plateau 13 p2179 N91-22035
STARK, J. W.
A preliminary dedicated facility for Single Event Upset (SEU) testing of semiconductor components at the McMaster Accelerator Laboratory
[CTN-91-60218] 22 p3624 N91-30160
STARK, JAMES W.
A feasibility study for construction of a dedicated on-line SEU beam facility at the McMaster University tandem Van de Graaff accelerator
[CTN-91-60180] 22 p3754 N91-30925
STARK, M. J.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848
STARK, RONALD
The 0 deg (63 micron) line emission from galactic high latitude cirrus clouds 13 p2178 N91-22029
STARK, W. E.
Carbide fuels for nuclear thermal propulsion
[DE91-016032] 23 p3927 N91-31945
STARKE, E. A., JR.
The effect of alloy composition and processing on the structure and properties of I/M Al-Li-X alloys
[AD-A226202] 04 p0504 N91-12799
STARKE, EDGAR A., JR.
The microstructure and properties of aluminum-lithium alloys 03 p0340 N91-11907
Fundamental concepts relating local atomic arrangement deformation and fracture of intermetallic alloys
[AD-A230541] 12 p1870 N91-20275
STARKS, SCOTT A.
Interdisciplinary investigations in support of project DI-MOD
[NASA-CR-188098] 14 p2298 N91-22703
STARNES, JAMES H., JR.
A method for the geometrically nonlinear analysis of compressively loaded prismatic composite structures
[NASA-CR-184846] 13 p2100 N91-21561
STARR, D. OC.
The role of water vapor in climate. A strategic research plan for the proposed GEWEX water vapor project (GVaP)
[NASA-CP-3120] 17 p2814 N91-25556
STARR, DAVID OC.
Synoptic conditions producing cirrus during the FIRE cirrus IFO 01 p0074 N91-10449
Cirrus cloud model parameterizations: Incorporating realistic ice particle generation 01 p0075 N91-10453
Overview of the 27-28 October FIRE Cirrus IFO case: Meteorology and cloud fields 01 p0080 N91-10477
STARR, M.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614
STARR, P.
On the numerical solution of two-point boundary value problems 2
[AD-A228141] 07 p1060 N91-15832
STARR, T. L.
Development of continuous fiber reinforced silicon nitride
[DE91-001156] 04 p0498 N91-12764
The application of x ray tomographic microscopy to chemical vapor infiltration processing of ceramic matrix composites
[DE91-011871] 20 p3304 N91-28284
STARRFIELD, S.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
STARRFIELD, SUMNER G.
The impact of IUE on studies of the nova outburst: 1986 to 1990 09 p1430 N91-17873
Ultraviolet light curves of galactic and extra-galactic classical CNO novae: PW Vul, OS, and LMC 1988 no. 1 and no. 2 09 p1438 N91-17926
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
Nova LMC 1990 no. 1: The first extragalactic neon nova 09 p1441 N91-17943
Nova LMC 1990 no. 2: The first extragalactic recurrent nova 09 p1441 N91-17944
IUE observations of galactic and extragalactic recurrent novae 09 p1441 N91-17945
Late stages in the evolution of classical novae 09 p1441 N91-17946
Model atmospheres for the early stages of novae in outburst 09 p1442 N91-17948
START, D. F. H.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886
STARTZEL-DEHEL, B.
Simulation of quadruple simultaneous parallel ILS approaches at D/FW, phase 3
[DOT/FAA/CT-90/15] 10 p1469 N91-18102

STASEK, G.
A combined test facility for space research and technology 07 p0960 N91-15288
STASSI, JOSEPH C.
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986 [NASA-CR-187589] 19 p3203 N91-27702
STASTNY, P.
Preparation and characterisation of LaBaCaCu3O(x) and La(1.3)Ba(1.7)Cu3O(x) [DE91-615673] 12 p1985 N91-20924
STASZEWSKI, JAMES J.
Skill and skilled memory [AD-A227697] 08 p1191 N91-16549
STATE, ANDREI
Displaying alphanumeric characters on pixel-planes 5 [AD-A228616] 08 p1204 N91-16622
STATHIS, J. H.
Laser conditioning and electronic defect measurements of HfO2 and SiO2 thin films [DE91-006237] 09 p1415 N91-17788
STATLER, IRVING C.
Issues on combining human and non-human intelligence 12 p1949 N91-20721
STATLER, RICHARD L.
Temperature coefficients and radiation induced DLTS spectra of MOCVD grown n(+)p InP solar cells 22 p3638 N91-30245
STAUBER, MICHAEL C.
Thermoluminescent dosimeter measurements and analysis for LDEF experiment M0006 16 p2709 N91-24990
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
STAUBER, WILLIAM T.
A unique problem of muscle adaptation from weightlessness: The deceleration deficiency 01 p0100 N91-10582
STAUDENMEIER, J. L.
Kinetic stability of field-reversed configurations [DE91-009530] 13 p2159 N91-21901
STAUDENMEIER, JOSEPH L.
Kinetic stability of field-reversed configurations [DE90-011530] 08 p1228 N91-16767
STAUDHAMMER, K. P.
Pressure-strain-temperature relationship in shock loaded cylindrical samples of 304 stainless steel [DE91-013379] 23 p3884 N91-31673
STAUDHAMMER, KARL PAUL
Effect of internal gas pressure on the shock consolidation of 304 stainless steel powders [DE91-004861] 07 p0981 N91-15384
STAUFFER, DAVID R.
On the development and use of four-dimensional data assimilation in limited-area mesoscale models used for meteorological analysis 09 p1367 N91-17512
STAVRINIDIS, C.
Transient vibration testing of satellites 07 p0955 N91-15252
STAYLOR, W. F.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475
STCLAIR, TERRY L.
Evaluation of two bisimide additives in LARC-TPI adhesive [NASA-TM-102742] 01 p0031 N91-10182
STEARNS, D. G.
Layer formation in CuNi/C x ray optics [DE91-005229] 10 p1596 N91-18805
Hydrodynamic evolution of picosecond laser-plasmas [DE91-013245] 20 p3419 N91-28958
A normal incidence x ray mirror for 70 angstrom [DE91-012109] 22 p3752 N91-30915
STEARNS, M.
Shipboard crew fatigue, safety and reduced manning [PB91-138099] 16 p2664 N91-24740
STEARNS, S. D.
Predictive data compression with exact recovery (summary) [DE91-005863] 10 p1613 N91-18903
STEARNS, SAMUEL D.
Detection and frequency tracking of chirping signals [DE91-000470] 07 p0994 N91-15457
Seismic signal processing optimized for a specific source and receiver [DE90-010189] 08 p1175 N91-16468
STEBBINS, ALBERT
Perturbations from cosmic strings in cold dark matter [NASA-CR-188700] 22 p3773 N91-31043
STECHEL, E. B.
Renormalization from density functional theory strong coupling models for the electronic structure of La2CuO4 [DE90-015990] 01 p0129 N91-10765
STECHER, JOSEPH L., III
Sixteenth Space Simulation Conference Confirming Spaceworthiness Into the Next Millennium [NASA-CP-3096] 11 p1656 N91-19126
STECHER, THEODORE P.
The capability of the ultraviolet imaging telescope for observing interstellar dust 06 p0889 N91-14913
STECK, JAMES E.
Modeling high angle-of-attack forces and moments using a neural network 10 p1455 N91-18024
STECKEL, GARY L.
Experiment M0003-10: Advanced composites 16 p2718 N91-25049
STEEG, M.
Al-Pb bearing alloy (TEXUS 1) 23 p3840 N91-31413
STEEL, DUNCAN G.
The First Nonlinear Optics: Materials, Phenomena, and Devices Conference [AD-A234733] 18 p3064 N91-26926
STEELE, BRIAN
A brief examination and comparison between the Federal motor vehicle safety standards and the Federal aviation regulations [NIAR-91-25] 22 p3770 N91-31020
STEELE, C. L.
AEDC focal plane array test capability [AD-A230846] 13 p2071 N91-21408
STEELE, CHARLES
Mechanical response tissue analyzer for estimating bone strength 14 p2356 N91-23031
STEELE, D.
Space station automation of common module power management and distribution [NASA-CR-4260] 22 p3629 N91-30195
STEELE, DOUGLAS S.
X-ray inspection system [PATENT-1-258-924] 23 p3882 N91-31660
STEELE, J. H., JR.
Structure-process-property relations in excimer laser surface processed Ti-6Al-4V alloy [DE91-004859] 07 p0981 N91-15383
STEELE, JOHN D.
Symmetries in general relativity 15 p2520 N91-23966
STEELE, L. P.
Atmospheric methane data for the period 1986-1988 from the NOAA/CMDL global cooperative flask sampling network [PB91-129122] 13 p2112 N91-21626
Atmospheric methane concentrations: The NOAA/CMDL global cooperative flask sampling network, 1983 - 1988 [DE91-014942] 21 p3539 N91-29664
STEELE, R. C.
Skin friction measurement techniques for scramjet applications. Phase 1: Preliminary design [AD-A231899] 14 p2195 N91-22125
STEELE, R. R.
Characterization of silicon nitride synthesized by microwave heating [DE91-012219] 20 p3323 N91-28397
STEELE, W. V.
Determination of ideal-gas enthalpies of formation for key compounds: The 1988 project results [DE90-000247] 01 p0134 N91-10791
STEELEY, GLEN D.
Boundary layer structure of an explosive cyclone [AD-A230296] 12 p1925 N91-20593
STEELMAN, BAMBI S.
A methodology for quantitative comparison of experimental to predicted chemical deposition data [AD-A224877] 03 p0337 N91-11889
STEELMAN, DENNIS
Connectivity alternatives for remote users of the Maintenance Processor Subsystem (MPS) [DOT/FAA/CT-90/16] 05 p0700 N91-13900
STEENBERGEN, H.
Data management for simulations in CAE [NLR-TP-89028-U] 22 p3733 N91-30787
STEENDIJK, ANNE MARIE
Activities report of the Dutch Civil Aeronautics Board [ETN-91-98472] 08 p1094 N91-16005
STEENHAGEN, H. J.
A classification of transitive closure algorithms [MEMO-INF-91-18] 22 p3736 N91-30804
STEER, BARRY
Experiments and theory with a 0.5 ton mobile robot [OUEL-1807/90] 01 p0006 N91-10035
Design for navigation: Using acoustic cats' eyes to improve sonar range and direction range finding for industrial mobile robots and AGV's [OUEL-1812/90] 01 p0006 N91-10036
Protective autonomy: Embedding sensor-based safety and protection mechanisms into the motion control of mobile and tele-operated robots [OUEL-1808/90] 01 p0049 N91-10292
Image motion experiments with the Oxford AGV [OUEL-1809/90] 01 p0112 N91-10654
STEFANELLI, RENATO
Efficient use of the 3N code for concurrent error detection in parallel multipliers [REPT-90-044] 22 p3738 N91-30821
STEFANO, J. E.
Work plan for the preliminary site investigation for McMurdo Station, Ross Island, Antarctica [DE91-015100] 20 p3371 N91-28675
STEFANUTTI, L.
Polar stratospheric cloud measurements by means of depolarization lidar in the Antarctic 24 p4034 N91-32537
STEFFAN, CARL R.
Reactions of the excited state of polypyridyl chromium(III) ion [DE91-000741] 05 p0636 N91-13526
STEFFANI, C. P.
Electroforming thin channel heat exchangers [DE91-015114] 21 p3517 N91-29528
STEFFEN, BERNHARD
Reactive, generative, and stratified models of probabilistic processes [CWI-CS-R9020] 10 p1587 N91-18746
STEFFEN, CHRIS J., JR.
High-Order Polynomial Expansions (HOPE) for flux-vector splitting [NASA-TM-104452] 17 p2847 N91-25739
STEFFEN, CHRISTOPHER J., JR.
A new flux splitting scheme [NASA-TM-104404] 14 p2320 N91-22814
STEFFEN, K.
Sea ice-atmosphere interaction: Application of multispectral satellite data in polar surface energy flux estimates [NASA-CR-187376] 05 p0680 N91-13782
STEFFENS, JERRY LEE
Gravity wave propagation in a frontal environment 20 p3373 N91-28687
STEFFES, PAUL G.
Pioneer-Venus radio occultation (ORO) data reduction: Profiles of 13 cm absorptivity [NASA-CR-186986] 05 p0646 N91-13584
Laboratory evaluation and application of microwave absorption properties under simulated conditions for planetary atmospheres [NASA-CR-188096] 13 p2182 N91-22057
Millimeter-wave spectra of the Jovian planets [NASA-CR-188712] 22 p3775 N91-31053
STEFKO, GEORGE L.
Cascade flutter analysis with transient response aerodynamics [NASA-TM-103746] 11 p1721 N91-19475
STEGEMAN, G. I.
Novel devices for all-optical computing [AD-A230323] 12 p1980 N91-20897
Nonlinear organics for guided-wave devices [AD-A233404] 16 p2606 N91-24444
Part 1: Ultrafast logic and multiple-beam optical parallel processing using nonlinear etalons. Part 2: Novel devices for all-optical computing. Part 3: Novel nonlinear semiconductor structures for signal processing and optical computing [AD-A233410] 18 p3043 N91-26799
STEGEMANN, JUERGEN P.
Effects of short-lasting weightlessness on gas exchange during light exercise 11 p1741 N91-19573
Time courses of endurance performance parameters following 500 ml blood withdrawal 11 p1743 N91-19586
Intra-individual variability V'O2 frequency responses in physically active subjects 11 p1746 N91-19601
Weightlessness countermeasures and human physiology in space: A potential conflict 11 p1762 N91-19695
STEGER, JOSEPH L.
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
Thoughts on the chimera method of simulation of three-dimensional viscous flow 13 p2012 N91-21063
Application of mesh generation to complex 3-D configurations [AGARD-AR-268] 13 p2081 N91-21464
STEGMANN, BARBARA
Mini-rack testbed evaluation 24 p4078 N91-32779
STEIER, W. H.
Center for the Integration of Optical C [AD-A235277] 18 p3064 N91-26931

STEIER, WILLIAM H.
Joint services electronics program research in electronics
[AD-A230623] 12 p1893 N91-20410
STEIMER, CARLOS H.
Multipurpose hardened spacecraft insulation
11 p1658 N91-19136
STEIMLE, TIMOTHY C.
Growth studies of CVD-MBE by in-situ diagnostics
[AD-A224661] 03 p0422 N91-12358
STEIN, BLAND A.
Preliminary findings of the LDEF materials special investigation group 16 p2713 N91-25018
STEIN, EARL S.
Air traffic control memory: A field survey
[DOT/FAA/CT-TN90/60] 14 p2191 N91-22101
STEIN, H. J.
Formation and stability of As-H bonds in H-implanted GaAs
[DE91-000043] 02 p0282 N91-11584
Donor formation under hydrogen plasma exposure and ion implantation
[DE91-011958] 20 p3426 N91-29004
The ECR-plasma deposition of silicon nitride on a tunnel oxide
[DE91-014665] 20 p3434 N91-29051
Depth profiles for hydrogen-assisted thermal donor formation in silicon
[DE91-015719] 23 p3931 N91-31971
STEIN, H. N.
Colloid chemistry (TEXUS 17) ESA
23 p3830 N91-31362
STEIN, HERMAN
Infrared absorption in boron carbides: Dependence on isotope and carbon concentration
[DE90-017592] 01 p0022 N91-10132
STEIN, J. M.
Wideband microwave generation with GaAs photoconductive switches
[DE91-017544] 24 p4009 N91-32415
STEIN, LYNN A.
Imagination and situated cognition
[AD-A234420] 18 p3045 N91-26809
STEIN, SAMUEL R.
Frequency standards for communications
[AD-A231990] 14 p2257 N91-22484
STEIN, T. P.
Metabolism of nonessential N15-labeled amino acids and the measurement of human whole-body protein synthesis rates 17 p2820 N91-25583
STEIN, W.
Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558
STEIN, WILLIAM E.
Dual klystron modulator
[DE91-002348] 05 p0653 N91-13626
STEIN, WILLIAM L.
Method for determining astronomic azimuth
[AD-D014677] 11 p1816 N91-19972
STEINBACH, DIETER
Calculation of support interferences on the aerodynamic coefficients for a wind tunnel calibration model
[DLR-FB-90-26] 08 p1093 N91-15998
STEINBERG, BERNARD D.
Adaptive beamforming algorithms for high resolution microwave imaging, volume 1
[AD-A236648] 19 p3152 N91-27426
STEINBERG, D. J.
Dynamic behavior of fully dense molybdenum
[DE91-014902] 21 p3480 N91-29304
STEINBERG, DANIEL
Computer studies of the dynamic strength of ceramics
[DE91-002568] 06 p0811 N91-14481
STEINBERG, M.
The chemistry of sodium with sulfur in flames
[DE91-002060] 18 p2952 N91-26288
An assessment of CO2 greenhouse gas mitigation technologies
[DE91-011972] 18 p3007 N91-26605
Conversion of biomass and fossil fuels to methanol and its effect on CO2 emissions
[DE91-015846] 23 p3822 N91-31320
STEINBERG, MEYER
Solving global environmental problems through technological innovation
[DE90-010018] 08 p1171 N91-16446
Biomass and hydrocarb technology for removal of atmospheric CO2
[DE90-010016] 08 p1172 N91-16453
Conversion of biomass to methanol and its effect on CO2 emissions
[DE91-006303] 10 p1544 N91-18500
STEINBERG, THEODORE AARON
Metals combustion at high oxygen pressure in normal gravity and reduced gravity: Model and experiment
14 p2245 N91-22418
STEINBERG, V.
Low-temperature flow visualization of thermally-convecting liquid helium
[DE91-011383] 17 p2778 N91-25376
STEINBERG, VICTOR
Rotating Rayleigh-Benard convection: The Kueppers-Lortz transition
[DE91-004835] 08 p1142 N91-16288
STEINBERGER, C. J.
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-188599] 17 p2776 N91-25364
STEINBERGER, CRAIG J.
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-187674] 05 p0658 N91-13656
Mixing and non-equilibrium chemical reaction in a compressible mixing layer
[NASA-CR-187084] 15 p2381 N91-23181
STEINER, BJOERN
Examination of molecular evaporation, cooling, and cluster dissociation of very thin liquid jets in a high vacuum
[MPIS-12/1990] 23 p3869 N91-31581
STEINER, DON
Interfacial push-out measurements of fully-bonded SiC/SC composites
[DE91-004527] 06 p0804 N91-14436
STEINER, MICHAEL J.
Missing pulse clutter processing
[AD-A226616] 04 p0516 N91-12870
STEINETZ, BRUCE M.
Thermal and structural assessments of a ceramic wafer seal in hypersonic engines
[NASA-TM-103651] 05 p0623 N91-13456
High temperature NASP engine seal development
[NASA-TM-103716] 11 p1715 N91-19441
A test fixture for measuring high-temperature hypersonic-engine seal performance
[NASA-TM-103658] 11 p1715 N91-19442
Propulsion aeroelasticity, vibration control, and dynamic system modeling 12 p1838 N91-20105
High temperature performance evaluation of a hypersonic engine ceramic wafer seal
[NASA-TM-103737] 14 p2271 N91-22567
Development of braided rope seals for hypersonic engine applications. Part 2: Flow modeling
[NASA-TM-104371] 14 p2272 N91-22571
Evaluation and ranking of candidate ceramic wafer engine seal materials
[NASA-TM-103795] 15 p2439 N91-23515
High-temperature, flexible, thermal barrier seal
[NASA-CASE-LEW-14672-1] 19 p3176 N91-27560
High temperature NASP engine seals: A technology review
[NASA-TM-104468] 22 p3689 N91-30538
STEINFINK, H.
Ruddlesden-Popper phases A(n+1)M(n)O(3n+1): Structures and properties
[DE91-011748] 21 p3591 N91-29973
STEININGER, B. I.
Convergence of linear multistep and one-leg methods for stiff nonlinear initial value problems
[CWI-NM-R8924] 02 p0260 N91-11450
STEINOLFSON, R. S.
Coronal mass ejections
[NASA-CR-186579] 06 p0930 N91-15115
STEINSIEK, FRANK
Common approach for planetary habitation systems implementation
[MBB-UO-0115-90-PUB] 08 p1195 N91-16570
STEINTHORSSON, E.
GRID3D-v2: An updated version of the GRID2D/3D computer program for generating grid systems in complex-shaped three-dimensional spatial domains
[NASA-TM-103766] 17 p2830 N91-25630
STEIR, WILLIAM H.
New approaches to reconfigurable optical interconnects
[AD-A233064] 16 p2689 N91-24885
STEKETEE, J. A.
Notes on the unsteady rectilinear motion of a perfect gas. 10: On the influence of gravity upon the expansion of an ideal gas with gamma = 3
[LR-640] 11 p1706 N91-19395
STEKETEE, J. J.
Step length in forward differencing for curved surface display
[REPT-90-43] 07 p1059 N91-15821
STELL, GEORGE
Thermophysical properties of fluids and fluid mixtures
[DE90-016306] 01 p0134 N91-10792
Studies in clustering theory
[AD-A230967] 13 p2082 N91-21475
STELLA, D.
SMA applications in an innovative multishot deployment mechanism 16 p2642 N91-24622
STELLA, PAUL M.
Photovoltaic options for solar electric propulsion
[NASA-TM-103284] 02 p0190 N91-11061
GaP betavoltaic cells as a power source
11 p1672 N91-19211
The Advanced Photovoltaic Solar Array (APSA) technology status and performance
11 p1673 N91-19217
Leo micrometeorite/debris impact damage
22 p3637 N91-30237
STELLAR, FREDERICK W.
An investigation of aircraft maneuverability and agility
[AD-A224587] 04 p0478 N91-12665
STELPSTRA, D.
Gravity recovery from satellite gradiometry
[ETN-90-98140] 03 p0391 N91-12176
STEMME, HORST
Development of single blade rotor wind energy converters: From M400 prototype to MON 50 preseries
[MBB-UE-0015-90-PUB] 23 p3889 N91-31705
STEMWEDEL, S. W.
Observations of the galactic plane by the zodiacal infrared project 05 p0743 N91-14143
STENDER, WALTER
Aeroelastic flutter prevention in gliders and small aircraft
[DLR-MITT-91-03] 24 p3962 N91-32142
STENGEL, ROBERT F.
An expert system for wind shear avoidance
03 p0305 N91-11698
Investigation of air transportation technology at Princeton University, 1989-1990
11 p1638 N91-19033
Stochastic satbility and performance robustness of linear multivariable systems 11 p1639 N91-19038
System identification for nonlinear control using neural networks 11 p1639 N91-19039
Quantitative knowledge acquisition for expert systems
12 p1943 N91-20692
Knowledge acquisition for expert systems using statistical methods 17 p2732 N91-25129
STENGLE, THOMAS
Flight Mechanics/Estimation Theory Symposium, 1990
[NASA-CP-3102] 09 p1287 N91-17073
STENZEL, R. L.
Currents between tethered electrodes in a magnetized laboratory plasma
[NASA-CR-186128] 03 p0419 N91-12344
STENZEL, REINER L.
Laboratory experiments on current flow between stationary and moving electrodes in magnetoplasmas
09 p1402 N91-17719
STEPANOV, A. I.
Laser
[AD-A225393] 03 p0371 N91-12079
STEPANOV, K. N.
Nonlinear surface MHD waves in the inhomogeneous plasma with cusp-resonance in upper solar atmosphere
06 p0916 N91-15052
Nonlinearity influence in local resonance regions on the Alfven waves propagation in solar corona
06 p0917 N91-15055
STEPANOV, V. V.
Reaction of human skeletal muscle fibers to 370 day antiorthostatic hypokinesia combined with physical exertion 18 p3025 N91-26702
STEPANTSOV, V. V.
Reactivity of exhausted human skeletal muscle fibers following prolonged antiorthostatic hypokinesia
11 p1740 N91-19568
STEPHAN, RONAN
SQUIDs devices made from high Tc superconductors: Results and perspectives 05 p0724 N91-14044
STEPHEN, K. W.
Data acquisition system for collecting biophysical and physiological data
[AD-A237654] 21 p3547 N91-29710
STEPHENS, CRAIG A.
Predicted thermal response of a cryogenic fuel tank exposed to simulated aerodynamic heating profiles with different cryogens and fill levels
[NASA-CR-4395] 23 p3851 N91-31470
STEPHENS, D. G.
The development of interior noise and vibration criteria
[NASA-TM-102736] 01 p0119 N91-10702
STEPHENS, D. W.
Transport and fate of acetone in an outdoor model stream, Stennis Space Center near Bay St. Louis, Mississippi
[PB91-154674] 18 p3006 N91-26600

STEPHENS, ERIC B.
Facile Li/HMPA-promoted polymerization method for the synthesis of soluble poly(phenylenes)
[AD-A236236] 19 p3141 N91-27358
Synthesis of poly(phenylenes) by a rapid polymerization of 1-bromo-4-lithiobenzene using HMPA
[AD-A236237] 19 p3141 N91-27359
STEPHENS, F. S.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
STEPHENS, GRAEME L.
Radiative properties of visible and subvisible Cirrus: Scattering on hexagonal ice crystals 01 p0077 N91-10462
Linear and nonlinear aspects of the tropical 30-60 day oscillation: A modeling study
[NASA-CR-188607] 17 p2814 N91-25554
STEPHENS, J. A.
Photoelectron spectroscopy of excited molecular states
[DE90-012088] 09 p1395 N91-17673
STEPHENS, J. J.
Residual stresses in metal/ceramic brazes: Effect of creep on finite element analysis results
[DE91-011233] 18 p3000 N91-26570
Microstructural characterization of solders and brazes for advanced packaging technology
[DE91-011503] 20 p3320 N91-28379
STEPHENS, J. R.
Laboratory spectra of amorphous and crystalline olivine: An application to comet Halley IR spectrum
[DE91-002307] 05 p0768 N91-14264
STEPHENS, JIM
SKITTER foot design
[NASA-CR-184932] 03 p0319 N91-11782
STEPHENS, JOHN J.
Short term creep rupture predictions for Tantalum alloy T-3
[DE91-002338] 06 p0807 N91-14458
STEPHENS, JOHN R.
Si3N4 emissivity and the unidentified infrared bands 06 p0893 N91-14935
Infrared spectra of crystalline and glassy silicates and application to interstellar dust 06 p0904 N91-14994
STEPHENS, K. G.
Ion Implantation Technology: Proceedings of the 8th International Conference on Ion Implantation Technology
[AD-A237955] 21 p3597 N91-30013
STEPHENS, MICHAEL A.
On combining independent significance tests
[AD-A239660] 23 p3923 N91-31920
STEPHENS, R. R.
Diode laser scaling using unconventional adaptive optics
[AD-A233060] 16 p2689 N91-24884
STEPHENS, RICHARD B.
Exploration of planetesimals by a tripartite tethered spacecraft 14 p2203 N91-22164
STEPHENS, ROBERT L.
A test of the American Safety Flight Systems, Inc. prebreather/portable oxygen system
[AD-A232723] 15 p2367 N91-23100
STEPHENS, ROBERT RALPH
In situ short fatigue crack characterization of a nickel-base superalloy at ambient and elevated temperature 23 p3883 N91-31670
STEPHENS, S. E.
Evaluation of air injection in a sudden expansion diffuser for real-time afterburning application
[AD-A230850] 13 p2026 N91-21141
Effect of geometric parameters on the performance of second throat annular steam ejectors
[AD-A238645] 21 p3515 N91-29522
STEPHENSON, MARK S.
Intelligibility of digital speech masked by noise: Normal hearing and hearing impaired listeners
[AD-A234852] 18 p2975 N91-26427
STEPHENSON, PAT
Lightweight causal and atomic group multicast
[NASA-CR-187976] 10 p1575 N91-18665
STEPHENSON, R.
Supercritical fluids cleaning
[DE91-013374] 20 p3333 N91-28456
STEPPE, H.
The 1.3 mm continuum emission from circumstellar envelopes 13 p2175 N91-22007
STERANKA, PAUL O., JR.
Experimental study of inlet lips designed to create a uniform exit velocity profile 10 p1456 N91-18026
Heat sink effects in VPPA welding 10 p1634 N91-19013
STERLING, ARTHUR M.
The effects of fuel additives on soot formation
[AD-A230633] 12 p1878 N91-20325
STERN, ALAN
Characteristics of a future aeronautical satellite communications system
[NASA-TM-104389] 15 p2368 N91-23102
STERN, C.
Stripping of gas and dust from the elliptical galaxy M86 05 p0748 N91-14171
Laser effects upon the structure and function of the eye as a function of different wavelengths 17 p2825 N91-25603
STERN, DAVID M.
The SPAN cookbook: A practical guide to accessing SPAN
[NASA-TM-105054] 22 p3726 N91-30740
STERN, R. A.
IUE observations of the RS CVn-type binary alpha2CrB 09 p1439 N91-17931
STERN, ROBERT J.
Report of the panel on lithospheric structure and evolution, section 3 13 p2106 N91-21592
STERN, S. ALAN
Modeling the coma of 2060 Chiron 17 p2892 N91-25986
Chiron: Evidence for historic cometary activity 17 p2892 N91-25988
STERN, S. ALEXANDER
Mechanisms of gas permeation through polymer membranes
[DE91-004190] 05 p0661 N91-13671
STERN, SOL ALAN
The evolution of comets and the detectability of Extra-Solar Oort Clouds 05 p0763 N91-14242
STERNBERG, A.
The 158 micrometer (CII) line: A measure of global star formation activity in galaxies
[NASA-CR-187925] 08 p1267 N91-16977
High resolution imaging for Brackett gamma and H2 1-0 S(1) emission in the Seyfert galaxy NGC 1068
[MPE-PREPRINT-192] 15 p2368 N91-23104
STERNBERG, AMIEL
Fluorescent HD emission from photodissociation regions
[MPE-PREPRINT-177] 11 p1817 N91-19982
STERNBERG, B. K.
Continuous monitoring of the lunar or Martian subsurface using on-board pattern recognition and neural processing of Rover geophysical data 17 p2754 N91-25243
STERNBERG, BEN K.
Continuous monitoring of the lunar or Martian subsurface using on-board pattern recognition and neural processing of Rover geophysical data 16 p2596 N91-24384
STERNBERG, STANLEY R.
Autonomous proximity operations using machine vision for trajectory control and pose estimation 12 p1937 N91-20656
STERNE, P.
The effect of scandium on the phase stability of Al3Nb and Al3Zr
[DE91-002657] 06 p0808 N91-14459
STERNE, P. A.
Defect dependence of positron lifetimes in oxide superconductors
[DE91-006714] 10 p1608 N91-18876
Positron lifetime studies of defect structures in B=(1-x)K(x)BiO3
[DE91-007341] 11 p1806 N91-19919
First principles calculation of phase stability of high temperature intermetallic alloys
[DE91-008570] 12 p1871 N91-20282
Ordering energy of B2 alloys calculated in the frozen potential and Harris approximations
[DE91-017228] 24 p3978 N91-32220
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
STERNER, S. M.
Virial coefficients and equations of state for mixed fluids; application to CH4-H2O
[DE91-016248] 23 p3810 N91-31254
Equations of state for solid NaCl-KCl and liquid NaCl-KCl-H2O
[DE91-016980] 24 p3973 N91-32195
STERNLIEB, B. J.
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
STERRETT, A.
Mathematical techniques for the Performance Oriented Design (POD) tool
[AD-A232092] 15 p2486 N91-23767
STERRETT, M. E.
Unipunch capability study
[DE91-008825] 15 p2436 N91-23498
STERZIK, M.
Protoplanetary disks: Observations and physical processes 10 p1623 N91-18957
STETSON, KENNETH F.
Comments on hypersonic boundary-layer transition
[AD-A227242] 06 p0778 N91-14314
STETTE, GUNNAR
Broader communication bands 17 p2875 N91-25905
STEUBER, G. D.
Effects of rotation on coolant passage heat transfer. Volume 1: Coolant passages with smooth walls
[NASA-CR-4396-VOL-1] 22 p3679 N91-30489
STEUCK, KURT
Computer-assisted knowledge acquisition for hypermedia systems 13 p2165 N91-21944
STEUDEL, F. W.
Applications of probability in analysis
[MEMO-COSOR-90-18] 07 p1061 N91-15834
STEURER, P. M.
Historical sunshine and cloud data in the United States
[DE91-016825] 24 p4070 N91-32741
STEVEN, G. P.
Finite element analysis of geometrically non-linear problems using a corotational large rotation formulation
[SU-ATN-9001] 11 p1720 N91-19470
STEVENS, A.
Radiation damage testing of transistors for SSC front-end electronics
[DE91-005440] 09 p1328 N91-17294
Radiation damage studies on hybrid preamplifiers
[DE91-008411] 11 p1699 N91-19359
STEVENS, B.
Frontier orbital symmetry control of intermolecular electron transfer
[DE91-005699] 11 p1793 N91-19834
STEVENS, C. O.
Tensile creep behavior and cyclic fatigue/creep interaction of hot-isostatically pressed Si3N4
[DE91-007182] 22 p3654 N91-30340
Tensile and cyclic fatigue properties of SiC whisker-reinforced Al2O3
[DE91-015916] 24 p3970 N91-32179
STEVENS, D. F.
Promoting a healthy skepticism with regard to information processing
[DE91-007697] 13 p2168 N91-21968
STEVENS, D. L.
Predicting and forecasting surface water acidification: A plan for assessing data aggregation effects
[PB91-182451] 22 p3703 N91-30609
STEVENS, DAVID GRAHAM
Remote sensing system
[EP-PATENT-0-324-583-A2] 07 p1022 N91-15611
STEVENS, DAVID S.
Evaluation of slot allocation strategies for TDMA protocols in packet radio networks
[AD-A236518] 19 p3151 N91-27420
A distributed TDMA rescheduling procedure for mobile packet radio networks
[AD-A236656] 19 p3153 N91-27427
STEVENS, DUANE E.
Evidence for asymmetric inertial instability in the FIRE satellite dataset 01 p0075 N91-10454
Linear and nonlinear aspects of the tropical 30-60 day oscillation: A modeling study
[NASA-CR-188607] 17 p2814 N91-25554
STEVENS, E. G.
Lightning induced currents in aircraft wiring using low level injection techniques 24 p4062 N91-32694
STEVENS, KENT A.
Stereopsis and the combination of surface cues
[AD-A225109] 03 p0395 N91-12197
STEVENS, LEON L.
Millimeter wave TWT life test monitor
[AD-A226111] 04 p0527 N91-12920
STEVENS, M. M.
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544
STEVENS, MARK L.
Passive equalization of wideband communication systems
[AD-A236813] 19 p3153 N91-27430
STEVENS, N. JOHN
The environment power system analysis tool development program 09 p1405 N91-17734
STEVENS, NICHOLAS
Ion beam textured and coated surfaces experiment (IBEX) 16 p2717 N91-25040

STEVENS, R.
Automated reasoning contributes to mathematics and logic
[DE91-014005] 20 p3387 N91-28765
Parallel scalability of the spectral transform method
[DE91-017991] 24 p4071 N91-32744
STEVENS, RALPH ROBERT
Mesh considerations for finite element structural dynamic applications
[DE91-001717] 05 p0677 N91-13764
STEVENS, ROBERT K.
Annular denuders for use in global climate and stratospheric measurements of acidic gases and particles 24 p4032 N91-32531
STEVENSON-BUSEMEYER, MARY KAY
The evaluation of long range consequences in decision making
[AD-A226949] 06 p0884 N91-14888
STEVENSON, CHRIS
Ar/S 05 p0745 N91-14153
STEVENSON, DAVID J.
Giant planets and their satellites: What are the relationships between their properties and how they formed
[CONTRIB-4686] 14 p2346 N91-22972
STEVENSON, FAREED
Space shuttle main engine fault detection using neural networks 12 p1965 N91-20816
STEVENSON, J.
A comparative study of seminiferous tubular epithelium from rats flown on Cosmos 1887 and SL3 19 p3266 N91-28064
STEVENSON, J. O.
Silicon micromachining based on porous silicon formation
[DE91-013744] 23 p3851 N91-31472
STEVENSON, JAMES D.
Historical account of tropical cyclones that have impacted North Carolina since 1586
[PB90-259201] 09 p1368 N91-17515
STEVENSON, L. E.
A measurement system for aircraft/weapon electromagnetic compatibility
[DE91-011504] 19 p3148 N91-27400
STEVENSON, T. J.
Particulate impacts on the UHCRE cosmic ray experiment teflon covers: The ESA programme 16 p2711 N91-25004
STEVENSON, WILLIAM T. K.
Preparation and characterization of polyelectrolyte copolymers containing methyl methacrylate and 2-hydroxyethyl methacrylate. Part 1: Polymers based on methacrylic acid
[NIAR-91-4-PT-1] 14 p2251 N91-22453
Characterization of Acetylene Terminated Sulfone (ATS) resin. Part 1: Chemical characterization of the resin
[NIAR-91-6-PT-1] 16 p2603 N91-24424
Characterization of Acetylene Terminated Sulfone (ATS) resin. Part 2: Thermal analysis of the resin
[NIAR-91-7-PT-2] 16 p2604 N91-24425
STEWART, A. J.
Spatial and temporal variation in biomonitoring data
[DE91-007843] 11 p1734 N91-19539
Sedimentation and tectonics in the northeastern and central Amadeus Basin, central Australia 19 p3193 N91-27653
Mesothrust versus megathurst interpretations of the structure of the northeastern Amadeus Basin, central Australia 19 p3196 N91-27671
STEWART, C.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
STEWART, CLAYTON V.
Artificial ionospheric mirrors for radar applications 10 p1554 N91-18545
System concept and analysis of an Artificial Ionospheric Mirror (AIM) radar
[AD-A234289] 18 p3011 N91-26630
STEWART, D. A.
Using the Harmony operating system: Release 3.0
[ERA-377] 21 p3562 N91-29799
STEWART, D. D.
Sphere lapping
[DE91-014287] 20 p3357 N91-28593
STEWART, D. V.
Long-term testing and evaluation of cathode components in a commercial aluminum cell, volume 1
[DE90-010896] 21 p3502 N91-29436
STEWART, DONALD F.
Workshop on Exercise Prescription for Long-Duration Space Flight
[NASA-CP-3051] 01 p0098 N91-10574
Space station 01 p0099 N91-10576
Summary and recommendations for initial exercise prescription 01 p0101 N91-10588
STEWART, DORATHY A.
Occurrence and detection of supercooled water in the atmosphere
[AD-A225715] 04 p0547 N91-13033
STEWART, E. C.
An evaluation of automatic control system concepts for general aviation airplanes 04 p0460 N91-12570
STEWART, H. B.
Forecasting catastrophe by exploiting chaotic dynamics
[DE91-001118] 04 p0573 N91-13185
STEWART, H. BRUCE
Phase portrait methods for verifying fluid dynamic simulations
[DE91-001129] 06 p0827 N91-14571
Application of fixed point theory to chaotic attractors of forced oscillators
[NIFS-62] 10 p1590 N91-18765
STEWART, H. E.
A methodology for inhibiting the formation of pollutants in diesel engines
[DE90-011615] 21 p3526 N91-29584
STEWART, I. B.
A theoretical solution for the buckling of sandwich panels with laminated face plates using a computer algebra system
[BU-407] 11 p1723 N91-19486
STEWART, J. B.
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
STEWART, J. E.
Grid generation and flow computation about a Martian entry vehicle
[NASA-CR-187032] 02 p0186 N91-11042
STEWART, J. M.
High efficiency CuInSe2 and CuInGaSe2 cells and materials research
[DE90-000362] 02 p0229 N91-11280
STEWART, JAMES
Flight demonstration of a self repairing flight control system in a NASA F-15 fighter aircraft 04 p0486 N91-12702
STEWART, JAMES F.
A preliminary investigation of the use of throttles for emergency flight control
[NASA-TM-4320] 22 p3618 N91-30130
STEWART, JAMES J.
MOPAC manual. Sixth edition. A general molecular orbital package
[AD-A233489] 16 p2683 N91-24856
STEWART, JOHN E., II
A meta-analytic approach for relating subjective workload assessments with US Army Aircrew Training Manual (ATM) ratings of pilot performance
[AD-A230127] 12 p1932 N91-20633
STEWART, MARK ERIC MICHAEL
Nonoverlapping composite meshes for multi-element air-foils 02 p0156 N91-10908
STEWART, R. E.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
Analysis of time- and space-resolved Na-, Ne-, and F-like emission from a laser-produced bromine plasma
[DE91-011523] 17 p2869 N91-25871
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252
STEWART, ROBERT KEITH
Access and efficiency in Reagan-era information policy: A case study of the attempt to privatize the National Technical Information Service 15 p2522 N91-23977
STEWART, S. R.
A portable Ka-band front-end test package for beam-waveguide antenna performance evaluation. Part 1: Design and ground tests 24 p3986 N91-32269
A portable Ka-band front-end test package for beam-waveguide antenna performance evaluation. Part 2: Tests on the antenna 24 p3986 N91-32270
Efficiency calibration of the DSS 13 34-meter diameter beam waveguide antenna at 8.45 and 32 GHz 24 p3986 N91-32271
STEWART, THOMAS B.
Photochemical spacecraft self-contamination: Laboratory results and systems impacts
[AD-A226488] 04 p0493 N91-12739
STEWART, TRACY R.
Heterogeneous distributed databases: A case study 17 p2886 N91-25957
STEWART, W. E.
Interphase transport and multistage separations
[DE91-009627] 15 p2423 N91-23425
STEWART, W. F.
Safe venting of hydrogen
[DE90-008964] 08 p1123 N91-16174
STEWART, WALTER
Transient analysis of a two-phase hydrogen heat switch
[DE91-002314] 06 p0816 N91-14506
STEWART, WILLIAM ANDREW
A method for estimating tokamak poloidal field coil currents which incorporates engineering constraints
[DE91-001662] 06 p0877 N91-14848
STEWMAN, SHELBY
National software capacity: Near-term study
[AD-A226694] 06 p0859 N91-14743
National software capacity: Near-term study executive summary
[AD-A227564] 08 p1199 N91-16590
STICE, N. D.
Final report on the characterization of the film on inert anodes
[DE91-007425] 10 p1497 N91-18239
STICHA, PAUL J.
Research and methods for simulation design: State of the art
[AD-A230076] 12 p1930 N91-20623
STICHT, JUERGEN
Band structure calculation for heavy fermion systems
[ETN-90-98176] 04 p0582 N91-13245
STICKEL, MARK E.
Engineering for artificial intelligence software
[AD-A234793] 18 p3045 N91-26814
STICKLE, W. F.
Surface characterization of electrically conducting nickel tetrathiooxalate/poly(vinyl alcohol) composites
[AD-A234598] 18 p2963 N91-26353
STICKLER, R.
Brazing of capillary gaps (TEXUS 2) 23 p3849 N91-31461
STIEGLER, JAMES O.
High temperature ordered intermetallic alloys
[AD-A232769] 15 p2403 N91-23308
STIEGMAN, ALBERT E.
VUV-induced degradation of FEP Teflon aboard LDEF 16 p2715 N91-25030
STIENSTRA, DAVID I. AUEN
Stochastic micromechanical modeling of cleavage fracture in the ductile-brittle transition region 15 p2443 N91-23533
STIES, M.
Thematic radar mapping based on multifrequency and multipolarization SAR systems 07 p0992 N91-15443
STIFFEY, ARTHUR V.
Microbiological assay using bioluminescent organism
[AD-D014651] 11 p1678 N91-19249
STIGTER, JURGEN
Theoretical considerations on error management
[REPT-90-75] 10 p1587 N91-18750
STILES, GERALD J.
The wild weasel development programs, one run, one hit, one error
[RAND-P-7661-RGS] 18 p2976 N91-26431
STILES, J. M.
Theoretical and numerical studies of constitutive relations for frictional granular flow
[DE90-009662] 02 p0214 N91-11194
STILL, C. H.
The parallel BFGS method for unconstrained minimization
[DE91-015784] 21 p3562 N91-29798
STILL, G. J.
On the rate of convergence of particular approximate solutions of elliptic boundary and eigenvalue problems on regions with corners
[MATHS-MEMO-879] 10 p1580 N91-18700
STILLWELL, WILLIAM
Assessing the feasibility, cost, and utility of developing models of human performance in aviation 02 p0164 N91-10948
STILP, A.
Acceleration of particles in light gas guns for micrometeroid/space debris simulation 07 p0957 N91-15266
STILWELL, P. D.
Fiber optic feed
[AD-A229860] 11 p1799 N91-19879
STINCHCOMBE, MAXWELL
Neural network representation and learning of mappings and their derivatives 13 p2140 N91-21780
STINE, PETER CULLEY
Radio and infrared emission from starburst galaxies 02 p0296 N91-11661
STINNETT, R. W.
A refractive index gradient (RING) diagnostic for transient discharges or expansions of vapor or plasmas
[DE90-015840] 01 p0125 N91-10736
STINTON, D. P.
Development of high-density fiber-reinforced silicon carbide FCVI composites
[DE91-012531] 22 p3643 N91-30272

STIRLAND, D. J.
The growth of epitaxial GaAs and GaAlAs on silicon substrate by MOVPE
[AD-A225743] 04 p0587 N91-13277
STIRLING, W. J.
Phenomenological consequences of HMRS partons
[RAL-90-036] 09 p1395 N91-17675
Parton distributions at small x
[RAL-90-053] 09 p1395 N91-17676
Jet cross sections at leading double logarithm in e+e- annihilation
[RAL-90-060] 10 p1593 N91-18788
Parton distributions, the Gottfried sum rule and the W charge asymmetry
[RAL-90-068] 10 p1593 N91-18790
STIRN, JAMES R.
Maintenance Resource Prediction Model (MRPM) user's manual
[AD-A232019] 15 p2485 N91-23762
STITH, JOHN J.
Computer simulation of radiation damage in gallium arsenide 19 p3274 N91-28112
STITT, GARY RICHARD
Multiple frequency atmospheric radar techniques 20 p3372 N91-28683
STITZ, ELIZABETH H.
Instantaneous power spectrum
[AD-A229098] 09 p1329 N91-17301
STJOHN, H. E.
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
STOBIE, IAIN
The AI Bus architecture for distributed knowledge-based systems 12 p1944 N91-20697
STOBIE, IRVIN
Effects of metal contamination on hydroxylammonium nitrate-based liquid monopropellants
[AD-A229177] 09 p1320 N91-17248
STOBIE, IRVIN C.
Test results from a two-stage traveling charge liquid propellant gun
[AD-A224593] 03 p0318 N91-11779
STOBY, FOLKE
Investigation of speech systems for ground collision warning in military aircraft
[FFA-TN-1991-05] 22 p3616 N91-30119
STOCHAJ, STEVEN JON
Experimental measurement of low-energy antiprotons in the cosmic radiation 17 p2891 N91-25980
STOCHL, ROBERT J.
Thermal performance of a liquid hydrogen tank multilayer insulation system at warm boundary temperatures of 630, 530, and 152 R
[NASA-TM-104476] 17 p2739 N91-25159
Pressurization and expulsion of cryogenic liquids: Generic requirements for a low gravity experiment
[NASA-TM-104417] 17 p2763 N91-25300
Autogenous pressurization of cryogenic vessels using submerged vapor injection
[NASA-TM-104516] 19 p3144 N91-27375
STOCK, S. R.
Nondestructive imaging of materials microstructure using x ray tomographic microscopy
[DE91-008505] 13 p2099 N91-21554
The application of x ray tomographic microscopy to chemical vapor infiltration processing of ceramic matrix composites
[DE91-011871] 20 p3304 N91-28284
STOCK, STUART R.
A study of the relationship between macroscopic measures and physical processes occurring during N00014-89-J-1708
[AD-A238423] 21 p3533 N91-29627
STOCKDALE, R.
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919
STOCKE, J. T.
Radio line and continuum observations of quasar-galaxy pairs and the origin of low reshift quasar absorption line systems 08 p1258 N91-16925
STOCKE, JOHN T.
Optical emission from cooling flows in distant x ray clusters of galaxies 05 p0748 N91-14169
Probing the interstellar medium of external galaxies using quasar absortion lines: The 3C 232/NGC 3067 system 05 p0760 N91-14227
STOCKER, A.
An automated software system for updating digital terrain databases from all-source imagery, phase 1
[AD-A237105] 21 p3554 N91-29748
STOCKER, A. J.
Observations of the anomalous absorption of diagnostic radio waves during ionospheric modification at Arecibo 10 p1547 N91-18513
STOCKINGER, SABINE
Methods for the automatic de-aliasing of the Doppler velocity of a weather radar
[DLR-FB-91-08] 24 p3983 N91-32249
STOCKMAN, H. W.
Benchmark study between FIDAP and a cellular automata code
[DE91-011224] 18 p2986 N91-26486
STOCKMAN, MARK I.
Linear and nonlinear optical properties of small silicon clusters
[AD-A225495] 04 p0518 N91-12882
Scale-invariant theory of optical properties of fractal clusters
[AD-A227031] 06 p0874 N91-14832
Theoretical studies of electron transport in quantum-well structures
[AD-A228429] 08 p1237 N91-16819
Theory and numerical simulation of optical properties of fractal clusters
[AD-A230206] 12 p1980 N91-20896
Light-induced drift of quantum-confined electrons in semiconductor heterostructures
[AD-A229959] 12 p1986 N91-20927
Field work and dispersion relations of excitations on fractals
[AD-A234953] 18 p2980 N91-26455
Optical (hyper) polarizabilities of small silicon clusters
[AD-A229383] 22 p3754 N91-30926
STOCKMEYER, LARRY
Bounds on the time to reach agreement in the presence of timing uncertainty
[AD-A229766] 12 p1957 N91-20764
STOCKS, G. M.
A comparative study of short range order in Fe-Cr and Fe-V alloys around equiatomic composition
[DE91-005230] 10 p1604 N91-18848
Order and disorder in metallic alloys
[DE91-009120] 15 p2400 N91-23292
From electronic structure to alloy phase stability
[DE91-011187] 17 p2760 N91-25281
Requirements for the observation of Fermi surfaces in disordered alloys
[DE91-014578] 21 p3483 N91-29321
Ordering energy of B2 alloys calculated in the frozen potential and Harris approximations
[DE91-017228] 24 p3978 N91-32220
STOCKS, G. MALCOLM
The use of parallel computers and multiple scattering Green function methods in condensed matter physics
[DE91-005351] 09 p1388 N91-17637
STOCKWELL, ALAN E.
IMAT graphics manual
[NASA-TM-104080] 17 p2787 N91-25421
STODOLSKY, F.
Technical and economic evaluation of diesel engine with oxygen enrichment and water injection
[DE90-009723] 08 p1157 N91-16373
STOECHER, MICHAEL
Zeolites in space 13 p2030 N91-21165
STOECKEL, J.
Comments on edge turbulence during lower hybrid current drive experiment on CASTOR tokamak
[IPPCZ-279] 01 p0123 N91-10726
STOECKER, H.
SDI: Statistical Dynamic Interactions
[DE91-012034] 20 p3397 N91-28827
STOFAN, ANDREW J.
Space station: The next logical step
[NASA-TM-103398] 11 p1656 N91-19123
STOFAN, E. R.
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
STOFFEL, T.
Photovoltaic advanced research and development project: Solar radiation research
[DE91-002119] 10 p1540 N91-18479
SERI Solar Radiation Resource Assessment Project
[DE91-002164] 24 p4040 N91-32575
STOFFELEN, A. C. M.
Impact of SASS wind data on analyses and forecasts of a fine mesh limited area model
[BCRS-89-38] 01 p0093 N91-10544
STOFFELS, J. J.
Ion transmission studies of mulitple-sector isotope-ratio mass spectrometers
[DE91-014253] 21 p3474 N91-29265
STOHR, J. F.
Metal matrix composite with long fibers 03 p0340 N91-11908
STOICOVICIU, L.
Temperature dependence of proton electroreduction kinetics at gold(111) and (210) surfaces
[AD-A237460] 21 p3575 N91-29879
STOJANOFF, V.
X ray dichroism and Faraday effect studies in ordered and disordered Fe3Pt
[DE91-017305] 24 p4111 N91-32974
STOJANOVIC, S.
A two-sided game for competitive systems with non-local interactions
[DE90-008490] 07 p1056 N91-15803
STOJANOWSKI, MARC
Measurement of six component efforts in transition flow
[AAAF-NT-89-01] 23 p3783 N91-31097
STOJIMIROVIC, ALEKSANDAR L.
Micromechanics of semi-brittle ceramics 02 p0200 N91-11119
STOKER, C. R.
Physical and chemical properties of the Martian soil: Review of resources 17 p2913 N91-26084
STOKES, GERALD M.
Overview of the US Department of Energy's ARM (Atmospheric Radiation Measurement) program
[DE91-001126] 06 p0847 N91-14678
STOKES, I.
Optimum-AIV: A planning and scheduling system for spacecraft AIV 14 p2312 N91-22770
STOKES, MICHAEL LEE
A solution of the Euler Equations on an unstructured grid system 09 p1335 N91-17333
STOKHOF, MARTIN
Two theories of dynamic semantics
[ITLI-LP-90-14] 22 p3732 N91-30780
STOKKE, KNUT N.
Some considerations concerning low noise radio receiving systems 22 p3660 N91-30374
STOLBERG, L.
An examination of the relationship between Surface Enhanced Raman Scattering (SERS) intensities and surface concentration for pyridine adsorbed at the polycrystalline gold/aqueous solution interface
[AD-A224801] 03 p0344 N91-11925
Adsorption of pyridine at the Au(111)-solution intererface
[AD-A233347] 16 p2598 N91-24399
STOLE, SCOTT M.
Characterization of mono- and multi-molecular assemblies at glassy carbon and noble metals by ex situ and in situ infrared external reflection spectroscopy
[DE90-016417] 01 p0024 N91-10144
STOLL, FREDERICK
A method for the geometrically nonlinear analysis of compressively loaded prismatic composite structures
[NASA-CR-184846] 13 p2100 N91-21561
A method for the geometrically nonlinear analysis of compressively loaded prismatic composite structures 23 p3806 N91-31229
STOLL, HARTY
Boeing flight deck design philosophy 02 p0162 N91-10937
STOLLERY, J. L.
The performance of 60 deg delta wings: The effects of leading edge radius on vortex flaps and the wing
[CRANFIELD-AERO-9004] 15 p2366 N91-23092
The performance of 60 deg delta wings: The effects of leading edge radius and vortex flaps
[CRANFIELD-AERO-9002] 15 p2374 N91-23140
Some aspects of shock-wave boundary layer interaction relevant to intake flows 15 p2378 N91-23161
STOLTZFUS, JOEL M.
High-pressure promoted combustion chamber
[NASA-CASE-MSC-21470-1] 13 p2029 N91-21157
STONE, DANIEL A.
A controlled-environment chamber for atmospheric chemistry studies using FT-IR spectroscopy
[AD-A227532] 07 p0946 N91-15185
STONE, F. G.
Heteronuclear metal cluster compounds synthesis and reactivity
[AD-A226815] 06 p0808 N91-14463
STONE, G.
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
STONE, H. LOWELL
Cardiovascular adjustments to gravitational stress 17 p2818 N91-25574
STONE, JAMES M.
Magnetic collimation of protostellar winds into bipolar outflows 05 p0751 N91-14182
STONE, JAMES MCLELLAN
Numerical simulations of mass outflows from star-forming regions 20 p3446 N91-29123
STONE, LYDIA RAZRAN
USSR Space Life Sciences Digest, issue 28
[NASA-CR-3922(33)] 04 p0550 N91-13052

USSR Space Life Sciences Digest. Index to issues 26-29
[NASA-CR-3922(35)] 11 p1763 N91-19700
USSR Space Life Sciences Digest, issue 29
[NASA-CR-3922(34)] 18 p3019 N91-26669
USSR Space Life Sciences Digest, issue 30
[NASA-CR-3922(36)] 18 p3019 N91-26670

STONE, NOBIE H.
Current Collection from Space Plasmas
[NASA-CP-3089] 09 p1401 N91-17713

STONE, PHILIP K.
Virtual acoustics displays 14 p2355 N91-23023

STONE, R. E.
Computer simulation of photocurrents in P-N junctions using RADSPICE
[AD-A233427] 16 p2621 N91-24513
An evaluation of the HSPICE/RADSPICE circuit simulation code system
[AD-A233429] 16 p2670 N91-24778

STONE, R. S.
Lead detection and mapping with reference to relationships between scale, sensor characteristics, surface conditions and atmospheric properties
[AD-A235121] 18 p3018 N91-26666

STONEBRAKER, BOB
Hypersonic aircraft design
[NASA-CR-187008] 04 p0477 N91-12661

STONEKING, D. E.
Active devices for monolithic millimeter-wave integrated circuits
[AD-A234033] 18 p2978 N91-26440

STONEMAN, R.
A room-temperature, flashpumped, 1.96 micron solid state laser
[AD-D014581] 07 p1006 N91-15524

STONER, G. E.
Stress corrosion cracking of Al-Li-Cu-Zr alloy 2090 in aqueous Cl(-) and mixed CO3(2-)/Cl(-) environments
[DE91-007064] 11 p1682 N91-19269
The effect of zinc additions on the environmental stability of Alloy 8090 (Al-Li-Cu-Mg-Zr) 19 p3130 N91-27291
The role of anodic dissolution in the stress corrosion cracking of Al-Li-Cu alloy 2090
[DE91-016403] 24 p3977 N91-32219

STONER, GLENN E.
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209
Measurements and mechanisms of localized aqueous corrosion in aluminum-lithium-copper alloys
19 p3130 N91-27290

STONER, K. J.
Mechanical properties of 1950's vintage Type 304 stainless steel weldment components
[DE91-004328] 05 p0679 N91-13774
An on-line real-time system for fatigue crack growth monitoring
[DE91-007931] 11 p1722 N91-19483

STONESTREET, ROBERT
Minor surgery in microgravity
24 p4079 N91-32786

STONICH, I. L.
Basic research on flame radiation
[PB91-182980] 19 p3128 N91-27282

STOOPS, JOHN
The practical challenges of converting end-use data into information
[DE90-016538] 02 p0284 N91-11600

STOORVOGEL, A. A.
The discrete time H infinity control problem with measurement feedback
[MEMO-COSOR-89-31] 08 p1209 N91-16651
The finite horizon singular time-varying H infinity control problem with dynamic measurement feedback
[MEMO-COSOR-89-33] 08 p1209 N91-16652

STOORVOGEL, ANTOINE ARIJ
The H-infinity control problem: A state space approach
[ETN-91-99215] 14 p2318 N91-22803

STORCH, JOEL
Equations of motion for a flexible spacecraft-lumped parameter idealization
[NASA-CR-188727] 21 p3464 N91-29211

STORCH, NANCY A.
Reduction of multielement mass spectra
[DE91-001767] 07 p0976 N91-15354

STOREBO, PER B.
The physics of the oscillating lightning
24 p4063 N91-32696

STOREBOE, PER B.
Alarm response of 'CAM' downwind to chemical attacks
[FFI-90/6007] 14 p2321 N91-22821

STOREY, C.
A generalized Polak-Ribiere algorithm
[MATHS-REPT-A-128] 05 p0703 N91-13918
Projected quasi-Newton updates
[MATHS-REPT-A-135] 05 p0703 N91-13920
A global convergence result for conjugate gradient methods
[MATHS-REPT-A-134] 05 p0710 N91-13961
On optimally and near-optimally conditioned quasi-Newton updates
[MATHS-REPT-A-141] 22 p3745 N91-30872
A family of optimally conditioned quasi-Newton updates for unconstrained optimization
[MATHS-REPT-A-143] 24 p4083 N91-32807

STOREY, J. W. V.
High resolution imaging for Brackett gamma and H2 1-0 S(1) emission in the Seyfert galaxy NGC 1068
[MPE-PREPRINT-192] 15 p2368 N91-23104

STOREY, M.
On unconstrained conjugate gradient optimization methods and their interrelationships
[MATHS-REPT-A-129] 05 p0703 N91-13919

STORHAUG, GEIR A.
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 1: Methodology
[FFI-90/4005-VOL-1] 12 p1844 N91-20138
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 2: General data flow diagram
[FFI-90/4005-VOL-2] 12 p1844 N91-20139
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 3: Data dictionary
[FFI-90/4005-VOL-3] 12 p1845 N91-20140
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 5: Specification mode 15, A + T + B + H
[FFI-90/4005-VOL-5] 12 p1845 N91-20141
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 9: Specification of sub-processes
[FFI-90/4005-VOL-9] 12 p1845 N91-20142
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 4: Processor mini-spec
[FFI-90/4005-VOL-4] 13 p2026 N91-21145
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 6: Specification mode 16, N
[FFI-90/4005-VOL-6] 13 p2027 N91-21146
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 7: Specification mode 29, N + A + T + H
[FFI-90/4005-VOL-7] 13 p2027 N91-21147
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 8: Specification mode 30, N + A + T + B
[FFI-90/4005-VOL-8] 13 p2027 N91-21148

STORHAUG, GEIR ATLE
System for generation of synthetic images (SYBIL)
[FFI-90/4002] 14 p2308 N91-22753

STORINI, M.
The empirical geomagnetic parameter infer near-Earth interplanetary shocks
[IFSI-90-14] 01 p0139 N91-10820
On the autoregression methods applied to the hourly nucleonic-component records
[IFSI-89-19] 01 p0142 N91-10837
Cosmic-ray intensity increase observed on September 29, 1989: The Chilean neutron monitor data (brief report)
[IFSI-90-4] 01 p0142 N91-10838

STORJOHANN, K.
Laser range camera calibration
[DE91-014939] 20 p3353 N91-28570

STORLEER, R.
An overview of optical media now and in the future
17 p2875 N91-25903

STORM, E.
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
Upgrade of the LLNL Nova laser for inertial confinement fusion
[DE91-008060] 11 p1712 N91-19430

STORM, MARK
Status of 2 micron laser technology program
16 p2552 N91-24143

STORMS, E. K.
Carbide fuels for nuclear thermal propulsion
[DE91-016032] 23 p3927 N91-31945

STORMS, HARRISON A., JR.
X-15 hardware design challenges
12 p1833 N91-20073

STORMVANLEEUWEN, S.
A measurement system for production flight tests of new aircraft
[NLR-TP-89222-U] 22 p3619 N91-30134

STORRS, A. D.
Infrared spectroscopy of comets
12 p2004 N91-21026
Comet Brorsen-Metcalf in the 3.5 micron region
12 p2005 N91-21033

STORTZ, MICHAEL W.
Simulation evaluation of a speed-guidance law for Harrier approach transitions
[NASA-TM-102853] 16 p2562 N91-24209

STOSS, F. W.
TRENDS '90: A compendium of data on global change
[DE91-000587] 07 p1026 N91-15632

STOTLAR, S.
Reverse bias voltage testing of 8 cm x 8cm silicon solar cells 22 p3635 N91-30225

STOTLER, D.
The CIT physics program
[DE90-012134] 08 p1229 N91-16774

STOTLER, D. P.
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28948

STOTT, J. H.
Satellite broadcasting: A common-frequency approach to wideband HDTV with a hand-made example plan
[BBC-RD-1990/7] 08 p1126 N91-16189
Digital audio broadcasting: The first UK field trial
[BBC-RD-1991/2] 17 p2766 N91-25311

STOTT, J. R. R.
Vestibular tests on UK astronaut candidates for an Anglo/Russian space flight (Juno Mission)
11 p1748 N91-19613
Prevention and treatment of motion sickness: Non-pharmacological therapy 24 p4075 N91-32767
Management of acute and chronic motion sickness
24 p4075 N91-32769

STOTTS, P. D.
Dynamic characteristics of hypertext
[PB91-107276] 09 p1421 N91-17822

STOUDT, M. R.
The influence of water on the mechanical properties of a glass-epoxy matrix composite
[AD-A231778] 14 p2240 N91-22389
The influence of moisture and pressure on the mechanical properties of a glass-epoxy matrix composite and a graphite-epoxy matrix composite
[AD-A239509] 23 p3808 N91-31242

STOUGHTON, C.
Design of the Digital Sky Survey DA and online system: A case history in the use of computer aided tools for data acquisition system design
[DE91-016469] 24 p4121 N91-33032

STOUGHTON, J.
Algorithm To Architecture Mapping Model (ATAMM) multicomputer operating system functional specification
[NASA-CR-4339] 09 p1325 N91-17277

STOUGHTON, JOHN W.
Strategies for concurrent processing of complex algorithms in data driven architectures
[NASA-CR-187450] 12 p1890 N91-20395
ATAMM enhancement and multiprocessor performance evaluation
[NASA-CR-188495] 16 p2672 N91-24788

STOUKIDES, M.
Electrocatalytic study of ammonia synthesis and methane dimerization in high temperature solid electrolyte cells
[DE91-009797] 18 p2952 N91-26289
Electrocatalytic study of ammonia synthesis and methane dimerization in high temperature solid electrolyte cells
[DE90-012496] 21 p3502 N91-29437

STOUT, JAMES H.
A study of scale cracking and its effects on oxidation and hot corrosion
[DE91-001327] 04 p0505 N91-12803

STOUT, R. B.
Stress-strain gage measurements on a Nevada Test Site (NTS) event using pairs of triple foil gages
[DE91-005061] 13 p2089 N91-21497

STOUT, WILLIAM
A procedure to detect item bias present simultaneously in several items
[AD-A235252] 18 p3053 N91-26882
The asymptotic posterior normality of the latent trait in an IRT model
[AD-A236646] 19 p3238 N91-27903

STOVER, J. B.
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405

STOVER, J. C.
Scattering by anisotropic grains in beryllium mirrors
[DE91-001724] 06 p0873 N91-14826
STOWE, FRANCIS S.
Speech recognition using Kohonen neural networks, dynamic programming, and multi-feature fusion
[AD-A230951] 13 p2071 N91-21410
STOWERS, IRVING F.
A molecular dynamics model of the orthogonal cutting process
[DE90-015911] 02 p0220 N91-11230
STOY, STAN L.
Missile Datcom: User's manual
[AD-A237817] 21 p3452 N91-29148
STOYACK, JOSEPH E.
Evaluation of thermal control coatings for use on solar dynamic radiators in low Earth orbit
[NASA-TM-104335] 14 p2235 N91-22367
STOYANOV, ALEKSANDR J.
Radar cross section calculations of traveling surface waves
[AD-A227032] 07 p0994 N91-15454
STOYANOV, YURI J.
Radar cross section calculations of traveling surface waves
[AD-A227032] 07 p0994 N91-15454
STOYANOVSKY, V. O.
Laboratory simulation of the astrophysical burst processes in non-uniform magnetised media
06 p0920 N91-15081
STRACHOTINSKY, CHRISTIAN
A test of the IAEA code of practice for absorbed dose determination in photon and electron beams
[OEFZS-4565] 18 p3062 N91-26913
STRADLING, G. L.
An imaging x-ray microscope using a laser plasma source and a Schwarzchild objective
[DE90-016432] 01 p0045 N91-10266
STRAHLE, WARREN C.
Fractal image compression of Rayleigh, Raman, LIF and LDV data in turbulent reacting flows
[AD-A232237] 15 p2428 N91-23449
STRAIT, E. J.
Dependence of the DIII-D beta limit on the current profile
[DE91-011140] 17 p2867 N91-25860
Effects of current profiles on MHD stability
[DE91-011742] 17 p2869 N91-25872
STRAIT, MELISSA M.
Solutions to problems of weathering in Antarctic eucrites 18 p3096 N91-27113
STRAKA, J.
Higher accuracy requirements for the satisfactory position calculation of an artificial satellite
[GKSS-90/E/25] 15 p2386 N91-23203
STRANDBERG, G. W.
Introduction to Session 2: Applied biological research
[DE91-012067] 18 p3021 N91-26680
STRANGE, S.
Central and peripheral cardiovascular responses to electrically induced and voluntary leg exercise
11 p1761 N91-19687
STRANGE, WILLIAM
GPS measurements of deformation associated with the 1987 Superstition Hills earthquake: Evidence for conjugate faulting
[NASA-CR-187781] 07 p1029 N91-15647
STRANGEWAY, R. J.
Testing for lightning as a source of radio bursts observed on the nightside of Venus
[NASA-CR-187364] 02 p0293 N91-11645
STRAPP, J. W.
An observational study of the efficiency of activation of accumulation-mode particles in warm continental stratiform clouds
[DE91-013335] 21 p3542 N91-29681
STRASH, DANIEL J.
A novel potential/viscous flow coupling technique for computing helicopter flow fields
[NASA-CR-177568] 11 p1643 N91-19060
STRASSER, V. O.
Nonlinearity influence in local resonance regions on the Alfven waves propagation in solar corona
06 p0917 N91-15055
STRATAKIS, K.
Experimental investigation of scattering of magnetostatic waves by surface acoustic waves
[DE91-009435] 13 p2148 N91-21835
STRATILATOV, A. B.
Diffuse x ray scattering YBa2Cu3O(6.95) monocrystal
[DE91-615182] 11 p1810 N91-19943
STRATMAN, M. P.
Tensile testing at high temperatures in a glovebox
[DE91-008994] 12 p1915 N91-20537
STRATTON, D. ALEXANDER
An expert system for wind shear avoidance
03 p0305 N91-11698
Progress on intelligent guidance and control for wind shear encounter 11 p1638 N91-19034
STRATTON, R. C.
A methodology for developing physical system fault diagnostic aids
[DE91-015533] 21 p3564 N91-29809
STRATTON, REX C.
A representation scheme for fault diagnosis of physical systems
[DE90-016362] 01 p0049 N91-10295
A representation scheme for fault diagnosis
[DE90-016291] 01 p0109 N91-10631
An approach to acquiring quantitative and qualitative knowledge for fault diagnosis
[DE90-017868] 04 p0533 N91-12960
STRATTON, WILLIAM
Transportable payload operations control center
14 p2223 N91-22294
STRAUB, GALEN K.
Elastic shear modulus: Fits to data and extrapolation to large compressions and negative pressure
[DE91-005996] 10 p1535 N91-18449
STRAUB, J.
Nucleate pool boiling (TEXUS 3)
23 p3829 N91-31354
Bubble formation, 1 (TEXUS 5)
23 p3829 N91-31355
Bubble formation, 2 (TEXUS 10)
23 p3829 N91-31356
Bubble formation, 2. Microgravity measurements of the boiling heat transfer from flat heating surfaces (TEXUS 11) 23 p3829 N91-31357
Inst. A fuer Thermodynamik. 23 p3829 N91-31358
Phase transition (TEXUS 8) 23 p3832 N91-31374
STRAUCH, R.
ICRCCM (intercomparison of radiation codes used in climate models). Phase 2: Verification and calibration of radiation codes in climate models
[DE91-007323] 11 p1738 N91-19555
STRAUCH, R. G.
RASS demonstration on a NOAA network wind profiler
[PB90-268319] 09 p1366 N91-17508
Radar-measured height profiles of Cn(2) and turbulence dissipation rate compared with radiosonde data during October 1989 at Denver
[PB91-125500] 11 p1739 N91-19562
Ocean surface current measurements with a single-station, Doppler/spaced-antenna radar
[PB91-142307] 16 p2661 N91-24722
STRAUME, T.
Health risks from exposure to tritium
[DE91-011008] 17 p2822 N91-25595
STRAUSS, A. J.
Materials systems for 2- to 5-micrometers wavelength diode lasers
[AD-A228218] 08 p1155 N91-16361
STRAUSS, ALVIN M.
Skeletal adaptation in altered gravity environments
11 p1746 N91-19603
STRAUSS, B. S.
Specificity of mutation induced by ionizing radiation and oxidizing free radicals
[DE91-008838] 13 p2126 N91-21702
STRAUSS, H. R.
Hall effects on anomalous heat, particle and helicity transports through tearing-mode turbulence
[DE91-010730] 15 p2513 N91-23924
STRAUSS, KURT
Survey of current aircraft engine conditions
[AD-A235143] 18 p2926 N91-26144
STRAUSS, M.
Coherent x ray lasers for applications
[DE91-006257] 10 p1528 N91-18416
Modal study of refractive effects on x ray laser coherence
[DE91-012083] 20 p3350 N91-28551
STRAUSS, M. G.
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-008832] 12 p1902 N91-20464
STRAUSS, MICHAEL ABRAM
A redshift survey of IRAS galaxies
04 p0608 N91-13380
STRAUSS, ROBERT
The 1980 equalization diagnosis of the German main triangulation network. 5: Neighborhood, conclusions
[SER-B-272-PT-2] 24 p4035 N91-32548
STRAUSSFOGEL, DENNIS M.
Analysis and design of planar and non-planar wings for induced drag minimization
[NASA-CR-188656] 19 p3101 N91-27131
STRAVER, J.
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
STRAYER, M. R.
Spin effects in two-photon pair production
[DE91-006271] 10 p1592 N91-18779
Particle production through two-photon processes in relativistic heavy-ion colliders
[DE91-016221] 23 p3925 N91-31931
Spline methods for conservation equations
[DE91-017152] 24 p4093 N91-32867
Ultrarelativistic atomic collisions
[DE91-016768] 24 p4096 N91-32884
STRAYER, R. F.
Use of inedible wheat residues from the KSC-CELSS breadboard facility for production of fungal cellulase
23 p3903 N91-31785
STRAYER, W. TIMOTHY
Issues in providing a reliable multicast facility
[NASA-CR-188089] 13 p2070 N91-21403
STRAZISAR, ANTHONY J.
Turbomachinery 12 p1837 N91-20097
Enhancing aeropropulsion research with high-speed interactive computing
[NASA-TM-104374] 16 p2673 N91-24796
STREBY, GARY D.
Research in flight dynamics
[AD-A226123] 04 p0471 N91-12639
STRECKERT, H.
Ceramic fiber coating development and demonstration
[AD-A234773] 18 p2964 N91-26358
STRECKERT, H. H.
A study of the critical factors controlling the synthesis of ceramic matrix composites from preceramic polymers
[AD-A232686] 15 p2407 N91-23327
STREET, CRAIG L.
A finite Reynolds number approach for the prediction of boundary layer receptivity in localized regions
[NASA-TM-102781] 11 p1643 N91-19061
STREET, HENRY K.
Development of a moderate rate lithium/thionyl-chloride D cell
[DE90-011909] 08 p1133 N91-16233
STREET, MICHAEL A.
Delivery and application of precise timing for a traveling wave powerline fault locator system
17 p2855 N91-25787
STREET, R. A.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
STREET, ROBERT L.
An accurate hyperbolic system for oceanographic flows
[AD-A234072] 19 p3204 N91-27712
STREETER, LYNN A.
Coordination in large scale software development
[AD-A234898] 18 p3041 N91-26787
STREETMAN, BEN G.
Quantitative RHEED studies of MBE growth of III-V compounds
[AD-A238350] 22 p3759 N91-30956
STREETS, D. G.
Energy technology and emissions control for acid rain abatement in Asia
[DE91-011162] 17 p2808 N91-25523
Acid rain in Asia
[DE91-011160] 18 p3005 N91-26595
STREETS, DAVID G.
Energy models and national energy policy
[DE90-017682] 02 p0233 N91-11300
STREETT, C. L.
Quadrature imposition of compatibility conditions in Chebyshev methods
[NASA-CR-187458] 01 p0043 N91-10251
STREETT, CRAIG L.
Gigaflop performance on a CRAY-2: Multitasking a computational fluid dynamics application
[NASA-TM-4305] 24 p4088 N91-32841
STREHLOW, G.
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 1: Fighter airplanes and helicopters 02 p0161 N91-10931
STREHLOW, R. A.
Gelcasting of sub-micron alumina, sialon, and silicon nitride powders
[DE91-000618] 08 p1118 N91-16145
Drying of gelcast ceramics
[DE91-012955] 20 p3325 N91-28413
STREHLOW, RICHARD A.
Report of foreign travel
[DE91-001732] 05 p0731 N91-14082

STREHMEL, K.
The linearly implicit Euler method for quasi-linear parabolic differential equations
[CWI-NM-R9002] 02 p0260 N91-11451
STREICHER, JUERGEN
Simulation of a backscatter lidar system
[DLR-FB-90-50] 15 p2412 N91-23355
STREIN, TIMOTHY G.
In situ activation of carbon fiber microdisk electrodes
[AD-A229470] 22 p3666 N91-30411
STREIT, G.
An expanding grid photochemical model for visibility applications
[DE91-009947] 15 p2460 N91-23630
STREIT, G. E.
Methane to methanol conversion by direct partial oxidation
[DE91-007352] 11 p1680 N91-19257
Mexico City air quality research initiative: An overview and some statistical aspects
[DE91-018045] 24 p4043 N91-32590
STREIT, R.
Inherently safe nuclear-driven internal combustion engines
[DE91-016568] 24 p4027 N91-32503
STRELTSOVA, YE. N.
Stress and human circulation
10 p1562 N91-18592
STREMEL, PAUL M.
The calculation of rotor/fuselage interaction for two-dimensional bodies
[NASA-TM-102855] 02 p0161 N91-10933
STRENG, M.
Chebyshev approximation of a finite set by a straight line
[MEMO-925] 22 p3748 N91-30891
STRENSKI, D. G.
A comparison of microwave versus direct solar heating for lunar brick production 14 p2204 N91-22172
Consolidation of lunar regolith: Microwave versus direct solar heating 17 p2906 N91-26050
STRETCH, ROBERT H.
The effects of sleep loss on individual and group performance
[AD-A226963] 06 p0853 N91-14708
STREUFF, I.
Pumpdown and repressurization procedure for thermal vacuum tests 07 p0961 N91-15290
STREVELL, MICHAEL W.
Data type coherency in heterogeneous shared memory multiprocessors
[AD-A232114] 15 p2481 N91-23729
STRGANAC, THOMAS
Preliminary investigation of thin film polymers exposed to low Earth orbit 16 p2714 N91-25020
Study of balloon and thermal control material degradation aboard LDEF 16 p2714 N91-25021
STRICKER, JEFFREY M.
Turbojet potential for hypersonic flight
15 p2377 N91-23155
STRICKER, LAWRENCE J.
Response latency measures for biographical inventories
[AD-A235010] 18 p3077 N91-27005
STRICKLAND, J. H.
A vortex panel method for calculating aircraft downwash on parachute trajectories
[DE91-009764] 15 p2365 N91-23085
STRICKLAND, JAMES H.
A fast solver for systems of axisymmetric ring vortices
[DE91-002594] 06 p0825 N91-14561
STRICKLER, D. J.
Dependence of CIT (compact ignition tokamak) PF (poloidal field) coil currents on profile and shape parameters using the control matrix
[DE91-002650] 05 p0720 N91-14019
STRICKMAN, MARK S.
OSSE data flow and analysis
[AD-A236224] 19 p3168 N91-27515
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
STRIEBICH, RICHARD C.
High-temperature lubricant analyses using the System for Thermal Diagnostic Studies (STDS): A feasibility study
[AD-A225242] 03 p0344 N91-11929
STRIFE, J. R.
A study of the critical factors controlling the synthesis of ceramic matrix composites from preceramic polymers
[AD-A232686] 15 p2407 N91-23327
STRIFFLER, C. D.
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
STRIGANOV, S. I.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856
STRIKWERDA, JOHN C.
Computational and theoretical aspects of nonlinear partial differential equations
[AD-A238495] 21 p3567 N91-29829
STRINGER, J.
Study of the effect of reactive element addition by implanting metal ions in a pre-formed oxide layer
[DE91-011916] 18 p3072 N91-26974
STRINGER, P.
Air traffic controller memory enhancement
[DOT/FAA/CT-TN90/38] 06 p0854 N91-14713
STRINGFELLOW, G. B.
InAsSbBi, a direct band-gap, III-V, LWIR material
06 p0799 N91-14410
Use of D2 to elucidate OMVPE growth mechanisms
[AD-A226966] 06 p0805 N91-14443
Research in the physical sciences with application to the free electron laser
[AD-A237884] 21 p3523 N91-29571
STRINGFELLOW, GUY SCOTT
Evolutionary scenarios for low-mass stars and substellar brown dwarfs 03 p0437 N91-12443
STRINGFIELD, R. M.
High-current relativistic klystron amplifier development for microsecond pulse lengths
[DE91-011409] 17 p2771 N91-25332
STRINNI, MEREDITH
The Phoenix Pluto Probe 08 p1102 N91-16053
STRIP, DAVID
Archimedes: A system that plans and executes mechanical assemblies
[DE91-000036] 02 p0220 N91-11231
Archimedes: An experiment in automating mechanical assembly
[DE90-009001] 09 p1375 N91-17556
STRIZHIUS, G. N.
Properties of high-cleanness high-strength steel 12GN2MFAYu 19 p3132 N91-27309
STRNISTE, G. F.
Radiation exposure and protection for moon and Mars missions
[DE91-011346] 17 p2823 N91-25599
STROBEL, DARRELL F.
The effect of clouds on the earth's radiation budget
[NASA-CR-188804] 22 p3708 N91-30637
STROBEL, GEORGE L.
State of an adiabatic expanding and condensing vapor or slow, medium, and fast explosions into a vacuum
[DE90-010815] 08 p1138 N91-16263
STROBL, BILL
Cultural changes in aerospace
20 p3301 N91-28265
STROBL, K.
All-optical pulse switching and shaping by a nonlinear sandwich
[DE91-007482] 10 p1531 N91-18431
STROCK, THOMAS W.
Hot gas ingestion test results of a two-poster vectored thrust concept with flow visualization in the NASA Lewis 9- x 15-foot low speed wind tunnel
[NASA-TM-103258] 13 p2020 N91-21116
STROET, JAN
Network database in PROLOG
23 p3915 N91-31866
STROGANOV, Y. G.
A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856
STROGONOVA, L.
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
STROLLO, FELICE
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans
11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
Head-down tilt test and space-related endocrine physiology 11 p1748 N91-19614
STROLLO, G.
Head-down tilt test and space-related endocrine physiology 11 p1748 N91-19614
STROM, C.
A comparison of UV surface brightness and HI surface densities for spiral galaxies 05 p0734 N91-14102
STROM, KAREN M.
The properties and environment of primitive solar nebulae as deduced from observations of solar-type pre-main sequence stars 14 p2345 N91-22961
STROM, R. G.
Water resources and hydrology of Mars
17 p2910 N91-26065
STROM, ROBERT G.
Ancient oceans and Martian paleohydrology
11 p1820 N91-19997
STROM, STEPHEN
Optical/IR from ground 24 p4119 N91-33020
STROM, STEPHEN E.
The properties and environment of primitive solar nebulae as deduced from observations of solar-type pre-main sequence stars 14 p2345 N91-22961
STROME, DAVID R.
Aircrew Evaluation Sustained Operations Performance (AESOP): A triservice facility for technology transition
[AD-A234626] 18 p3032 N91-26738
STROMEYER, C. F., III
The effects of luminance boundaries on color perception
[AD-A237794] 21 p3582 N91-29925
STRONACH, CAREY E.
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
STRONG, KRISTIN M.
Coupled Riccati equations for complex plane constraint 14 p2227 N91-22315
STROSCHEIN, LEANDER A.
Quantification of lower bounds for endurance times in thermally insulated fingers and toes exposed to cold stress
[AD-A227782] 08 p1191 N91-16545
STROTTMAN, D. D.
Radiation exposure and protection for moon and Mars missions
[DE91-011346] 17 p2823 N91-25599
Antiproton-induced elastic and inelastic scattering at intermediate energies
[DE91-013068] 20 p3401 N91-28849
STROUB, ROBERT H.
Low-speed wind-tunnel test of an unpowered high-speed stoppable rotor concept in fixed-wing mode
[NASA-TM-4250] 10 p1457 N91-18033
Introduction of the M-85 high-speed rotorcraft concept
[NASA-TM-102871] 11 p1646 N91-19078
STROUP, J. W.
Procedure for generating global atmospheric engine emissions data from future supersonic transport aircraft. The 1990 high speed civil transport studies
[NASA-CR-181882] 05 p0621 N91-13447
STRUCK-MARCELL, CURTIS
Radial profiles of gas in late-type disk galaxies
05 p0735 N91-14107
One-dimensional cloud fluid model for propagating star formation 05 p0757 N91-14211
Observations and models of star formation in the tidal features of interacting galaxies
08 p1264 N91-16957
Caustic waves in galaxy disks produced in collisions with low mass companions 08 p1264 N91-16960
Theoretical models of gas dynamics and star formation in interacting ring galaxies
[NASA-CR-188157] 14 p2344 N91-22959
STRUCK, DAVID K.
An analysis of the Requirements Correlation Matrix (RCM) and Baseline Correlation Matrix (BCM)
[AD-A230630] 12 p1995 N91-20983
STRUCK, H.
Operational loads on landing gear
20 p3284 N91-28158
STRUCKMEIER, J.
Computational methods for the Boltzmann equation
[BR-43] 01 p0043 N91-10256
STRUIJS, R.
Investigation of Roe's 2D wave decomposition models for the Euler equations
[VKI-TN-172] 15 p2426 N91-23436
Fluctuation splitting schemes for the 2D Euler equations 24 p4012 N91-32430
STRUKOV, IGOR
RELICT 2 project: Scientific program and structure
13 p2174 N91-21998
STRUNCK, J.
Crack behaviour of 2024-T3, 2090-T8E41 and 7075-T6 under constant amplitude and different types of variable amplitude loading, especially Gaussian loading
02 p0223 N91-11244
STRUNSKUS, T.
A model for solventless PMDA/ODA polyamic acid: Consequences for the reactivity of polyamic acid with metals
[AD-A225818] 04 p0501 N91-12780
Comparison between the interfacial chemistry of metallized polyimides and polymide
[AD-A238400] 21 p3490 N91-29366

STRUVE, K. W.
Pulse shaping a high-current relativistic electron beam in vacuum
[AD-A230674] 12 p1977 N91-20876
STRY, GRESELDA I.
An experimental study of nonlinear dynamic system identification 09 p1290 N91-17089
An experimental study of nonlinear dynamic system identification 14 p2232 N91-22346
STUART, A. D.
Measurement of the complex reflectivity of submerged thin plates at oblique incidence angles using the two-sensor intensity technique
[AD-A226352] 04 p0579 N91-13229
STUART, BRYANT L.
Computer generated holography as a three-dimensional display medium
[AD-A230583] 12 p1901 N91-20458
STUART, MARK A.
Investigation of varying gray scale levels for remote manipulation 12 p1938 N91-20663
Space Station Freedom coupling tasks: An evaluation of their space operational compatibility 12 p1939 N91-20664
STUART, THOMAS A.
A study of two control methods for full bridge converters: Soft switch bypass and current mode control
[AD-A227136] 06 p0823 N91-14546
STUBBE, P.
VLF, ELF, and ULF wave research using the Tromso heating facility 10 p1547 N91-18512
STUBBINS, J. F.
Mechanical property changes and microstructures of dispersion-strengthened copper alloys after neutron irradiation at 411, 414, and 529 C
[DE91-005518] 09 p1312 N91-17204
Ion beam modifications of near-surface compositions in ternary alloys
[DE91-006035] 09 p1315 N91-17217
STUBBS, C.
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
STUBBS, ROBERT M.
Computational fluid dynamics at the Lewis Research Center: An overview 02 p0143 N91-10842
STUBBS, SANDY M.
Method and apparatus for cleaning rubber deposits from airport runways and roadways
[NASA-CASE-LAR-14483-1] 20 p3332 N91-28455
STUBBS, V. E.
In-Process Inspection Study (IPIS) for abrasive machining (honing)
[AD-A236244] 22 p3656 N91-30352
STUBBUSCH, HANNO
High rate telemetry for the Spacelab D-2 mission 14 p2224 N91-22299
STUBENRAUCH, CARL F.
Spherical near-field scanning: Experimental and theoretical studies
[PB91-132274] 16 p2616 N91-24484
STUCK, E. R.
Robot self-location in unknown environments
[DE91-010450] 15 p2438 N91-23505
STUCKEY, W. K.
Space environmental effects on silvered Teflon thermal control surfaces 16 p2715 N91-25031
STUEWE, JOACHIM A.
Distance determination of dark clouds 10 p1622 N91-18948
STUHLINGER, ERNST
The perfectly ideal accelerometer 03 p0433 N91-12427
STUIVER, MINZE
Late Wisconsin and early holocene glacial history, inner Ross Embayment, Antarctica 18 p3002 N91-26577
STUIVER, WILLEM
On space-based SETI 14 p2203 N91-22165
STULEN, R. H.
Characterization of iridium coated rhenium used in high-temperature, radiation-cooled rocket thrusters 16 p2574 N91-24267
STUMP, DAVID MICHAEL
Crack-growth resistance in reinforced ceramic composites 02 p0226 N91-11261
STUMP, W. J.
Crew chief CAD system interface guide (version 2 - SI)
[AD-A231433] 14 p2305 N91-22734
STUMPF, GREGORY J.
Enhancements to the terminal Doppler weather radar gust front algorithm
[DOT/FAA/NR-91/3] 14 p2255 N91-22473
STUPAKOV, G. P.
Predicting the effect of linear and angular impact acceleration on humans 22 p3715 N91-30678
Predicting the effect of linear and angular impact acceleration on humans 22 p3717 N91-30688
STUPIN, D. M.
X ray-computed tomography for inspecting industrial parts
[DE91-011390] 18 p2997 N91-26554
STUPKA, D. L.
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582
STUREK, WALTER B.
Prediction of in-bore and aerodynamic heating of KE projectile fins
[AD-A226402] 04 p0471 N91-12640
Application of Euler and Navier-Stokes codes to missile type bodies with high L/D ratios 06 p0773 N91-14286
Navier-Stokes predictions of static and dynamic aerodynamic derivatives for high L/D finned projectiles 06 p0774 N91-14295
STURGE, M. D.
Excitons in semiconducting superlattices, quantum wells, and ternary alloys
[DE90-017287] 01 p0132 N91-10779
STURGESS, G. J.
Coolant side heat transfer with rotation. Task 3 report: Application of computational fluid dynamics
[NASA-CR-182109] 16 p2628 N91-24551
STURM, D.
Load-bearing capacity of large pipes with circumferential defects under tensile stress: Comparison of experiments with calculated estimates
[BLL-OA-TRANS-4233-(6196.3)] 18 p2998 N91-26557
STURMS, FRANCIS M., JR.
Proceedings of the Mars Global Network Mission Workshop
[NASA-CR-186844] 06 p0788 N91-14359
STURNER, STEVEN J.
Positron survival in Type II supernovae
[AD-A226778] 08 p1265 N91-16965
STURR, JOSEPH F.
Young and older observers show similar perceived contrast functions for isoluminant stimuli
[AD-A233766] 18 p3027 N91-26709
STURRUS, R. A.
Proposal for an AAL service definition
[MEMO-INF-90-89] 22 p3665 N91-30408
STURTEVANT, B.
Rayleigh-Taylor instability in compressible fluids
[DE91-005221] 10 p1523 N91-18387
STUTZIN, G. C.
Spectroscopic measurement of H(1S) and H2(v(double prime),J(double prime)) in an H(-) ion source plasma
[DE91-011879] 17 p2868 N91-25865
STUTZKI, J.
High angular resolution mm- and submm-observations of dense molecular gas in M82 05 p0761 N91-14230
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
Detection of an isotopic short submillimeter CO line: Column densities of warm gas in molecular clouds
[MPE-PREPRINT-178] 11 p1817 N91-19976
STUTZMAN, P. E.
Strength and creep-rupture properties of adhesive-bonded EPDM joints stressed in peel
[PB90-257676] 04 p0534 N91-12963
STUTZMAN, W. L.
Feasibility study of a synthesis procedure for array feeds to improve radiation performance of large distorted reflector antennas
[NASA-CR-187954] 10 p1513 N91-18329
STUTZMAN, WARREN L.
ACTS propagation terminal prototype planning and design 03 p0353 N91-11970
STUTZMZN, WARREN L.
Olympus propagation studies in the US: Propagation terminal hardware and experiments 03 p0351 N91-11958
STUYVESANT, R.
CLINEWS: NOAA Western Region computer programs and problems
[PB91-200709] 24 p4086 N91-32831
STYF, J.
Transcapillary fluid shifts in head and neck tissues during and after simulated microgravity
[NASA-TM-103847] 15 p2474 N91-23704
STYGAR, W. A.
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
SU, AY
Application of a state-space wake model to elastic blade flapping in hover 01 p0002 N91-10006
SU, H.
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-187696] 06 p0840 N91-14639
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-185476] 09 p1354 N91-17437
SU, HAN-TZONG
Studying oxygen vacancies in ceramics by perturbed angular correlation spectroscopy
[DE91-005568] 10 p1502 N91-18266
SU, JAO-JANG
Plasma wakefield excitation by charge particle beams 01 p0123 N91-10729
SU, JOSEPH CHUNGWAN
The design of a clinical laboratory information system 20 p3439 N91-29083
SU, T. Y.
A general multiblock Euler code for propulsion integration. Volume 1: Theory document
[NASA-CR-187484-VOL-1] 16 p2548 N91-24120
A general multiblock Euler code for propulsion integration. Volume 2: User guide for BCON, pre-processor for grid generation and GMBE
[NASA-CR-187484-VOL-2] 16 p2548 N91-24121
A general multiblock Euler code for propulsion integration. Volume 3: User guide for the Euler code
[NASA-CR-187484-VOL-3] 16 p2548 N91-24122
SU, TZU-JENG
A decentralized linear quadratic control design method for flexible structures
[NASA-CR-187860] 08 p1103 N91-16059
SU, WEIHAN
The effects of sulfate and soot in smoke on atmospheric extinction 24 p4034 N91-32539
SUAREZ, MAX J.
A simplified treatment of SiB's land surface albedo parameterization
[NASA-TM-104538] 12 p1926 N91-20598
SUBBANNA, S.
Nonlinear optical absorption in intrinsic Stark effect superlattices
[DE90-016466] 01 p0130 N91-10767
Photoabsorption modulation in GaAs: Ga(1-x)In(x) as strained-layer superlattices
[DE91-000440] 04 p0591 N91-13301
SUBDUHI, M.
Degradation modeling with application to aging and maintenance effectiveness evaluations
[DE91-004004] 05 p0674 N91-13746
SUBRAHMANIAN, V. S.
Combining knowledge bases consisting of first order theories
[AD-A232090] 15 p2525 N91-23993
SUBRAHMANYAM, M. B.
Worst-case design of optimal controllers over a finite horizon
[AD-A232353] 15 p2492 N91-23797
SUBRAHMANYAM, M. BALA
Optimal control and model reduction using a finite-interval H upsilon criterion
[AD-A226490] 04 p0487 N91-12706
SUBRAHMANYAN, RAVICHANDRAN
A damage integral approach for low-cycle isothermal and thermal fatigue 03 p0378 N91-12110
SUBRAMANIAM, SHANKAR
Acoustic radiation from lifting airfoils in compressible subsonic flow
[NASA-TM-103650] 11 p1641 N91-19053
SUBRAMANIAN, P.
Photodegradation of polyimides. Part 4: Mechanism for the photooxidation process based on a model compound
[AD-A236198] 19 p3141 N91-27356
Photodegradation of polyimides. Part 5: An explanation of the rapid photolytic decomposition of a selected polyimide via anhydride formation
[AD-A236247] 19 p3141 N91-27360
SUCHENTRUNK, R.
D.C. magnetron sputtering of oxidation-resistant Cr and CrN films/monitored by optical emission spectrometry
[MBB-Z-0318-90-PUB] 07 p0978 N91-15366
Magnetron sputtering on 3-dimensional shaped components: Coating less accessible parts through substrate motion
[MBB-Z-0308-90-PUB] 22 p3651 N91-30320

SUCHENTRUNK, RICHARD
Application of functional gradient materials in the aerospace industry
[MBB-Z-0320-90-PUB] 11 p1690 N91-19311
SUCKEWER, SZYMON
Soft x ray laser development
[AD-A226071] 04 p0529 N91-12932
SUD, Y. C.
A review of recent research on improvement of physical parameterizations in the GLA GCM
[NASA-TM-100771] 10 p1557 N91-18561
SUDAKOVA, M. V.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal
11 p1790 N91-19819
SUDANI, N.
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
SUDDATH, FRED L.
Hanging drop crystal growth apparatus
[NASA-CASE-MFS-26061-1] 08 p1236 N91-16815
SUDER, WILLIAM H., III
Graduated-load spring washer system for screws and threaded fasteners
[AD-D014697] 11 p1714 N91-19436
SUDHARSANAN, R.
High efficiency cadmium and zinc telluride-based thin film solar cells
[DE91-002112] 06 p0840 N91-14643
SUDKAMP, THOMAS
Machine intelligence and threat identification systems
[AD-A227531] 07 p1055 N91-15794
SUDO, TAKAYUKI
Specific impulse comparison of high density hydrocarbon fuel burned with oxygen
[NAL-TR-1053] 01 p0025 N91-10148
Digital data processing system for bipropellant apogee engine
[NAL-TM-599] 02 p0188 N91-11052
SUDOL, EUGENE G., JR.
Evaluation of aircraft turbine engine redesigns
[AD-A237599] 21 p3459 N91-29184
SUDZIUS, J.
Properties of interstellar dust in the region of the CEP OB4 association 06 p0887 N91-14903
SUEMATSU, KAZUYO
Software package for 2-dimensional graphic display unit
[NAL-TM-589] 01 p0105 N91-10605
SUENAGA, M.
Irreversibility temperatures in oxide- and metallic superconductors
[DE91-004021] 06 p0880 N91-14861
Microstructures and dc critical currents in textured Y-Ba-Cu-oxides
[DE91-000895] 08 p1234 N91-16803
Observations of vortex structure in YBa2Cu3O7
[DE91-000900] 08 p1234 N91-16804
Magnetic field induced broadening of the resistive transition in epitaxial films of YBa2Cu3O7 and Y2Ba4Cu8O16
[DE91-009825] 13 p2161 N91-21916
Magnetization and critical currents of tin-core multifilamentary Nb3Sn conductors
[DE91-012241] 20 p3424 N91-28994
Magnetically measured irreversibility temperatures in superconducting oxides and alloys
[DE91-016895] 24 p4110 N91-32972
SUENAGA, SYOUJI
Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003
SUES, ROBERT H.
Probabilistic structural mechanics research for parallel processing computers
[NASA-CR-187162] 20 p3365 N91-28644
SUESS, HELMUT
Millimeter-wave sensor image enhancement
[NASA-CR-187430] 05 p0662 N91-13679
SUESSMANN, H.
Examination of the segregation of tellurium in BiSbTe3
14 p2334 N91-22899
SUEYASU, T.
Effect of temperature and oxygen on the strength of elastomers
[AD-A233535] 16 p2606 N91-24445
SUGA, NOBUO
Control of biosonar behavior by the auditory cortex
[AD-A232699] 15 p2475 N91-23708
SUGAI, H.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015
SUGAI, MASAAKI
DCP subsystem 01 p0059 N91-10352
SUGAMA, H.
Anomalous transport studies for heliotron/torsatron
10 p1600 N91-18823
Edge anomalous transport in heliotron/torsatron
20 p3408 N91-28892
Nonlinear behavior and transport property of multiple-helicity resistive interchange modes near marginally stable states 20 p3413 N91-28922
SUGGS, RON
MAMS: High resolution atmospheric moisture/surface properties 24 p4057 N91-32664
SUGIHARA, M.
Passive control of vertical instabilities in ITER
[DE90-706120] 03 p0419 N91-12345
SUGIHARA, R. Y.
Microphase-separation interpretation of the covariation of several polyurethane dielectric properties
[AD-A230221] 12 p1873 N91-20295
SUGIHARA, RYO
V(sub p) x B acceleration of electrons by phased Gaussian laser beams
[DE91-772179] 17 p2861 N91-25825
SUGIHARTO, S.
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin 19 p3192 N91-27650
SUGINOHARA, TATSUSHI
Cosmological N-body simulations with a treecode
[DE90-513790] 02 p0292 N91-11638
Statistics of peaks in cosmological nonlinear density fields
[DE91-744972] 11 p1819 N91-19990
SUGIYAMA, NAOSHI
Microwave background anisotropies and the primordial spectrum of cosmological density fluctuations
[DE90-513791] 02 p0292 N91-11639
SUH, MOONSUK
Optimal control in constrained multibody mechanical systems 03 p0409 N91-12282
SUH, MYUNG WHAN
Optimal configuration of distributed database systems
23 p3935 N91-31990
SUH, YEONG SUNG
The influence of plastic-strain-induced anisotropy on stress distributions in the finite deformation of ductile metals 23 p3814 N91-31273
SUHASINI, R.
Rainfall estimation over oceans from scanning multichannel microwave radiometer and special sensor microwave/imager microwave data
[NASA-TM-104546] 22 p3710 N91-30646
SUHL, HARRY
Large motions of the magnetization in magnetically ordered media
[AD-A226084] 04 p0578 N91-13221
SUICH, RONALD C.
How much redundancy: Some cost considerations, including examples for spacecraft systems
[NASA-TM-103197] 09 p1348 N91-17407
Balancing reliability and cost to choose the best power subsystem
[NASA-TM-104453] 16 p2700 N91-24952
Reliability and cost: A sensitivity analysis
[NASA-TM-105293] 24 p4118 N91-33014
SUIKAT, REINER
An optimal pole placement gain scheduling algorithm using output feedback 17 p2831 N91-25643
SUIT, WILLIAM T.
Aerobraking for capture into Martian orbit
09 p1292 N91-17102
SUITOR, JERRY W.
Energy efficient continuous flow ash lockhopper
[NASA-CASE-NPO-16985-1-CU]
07 p0988 N91-15423
Oxygen production using solid-state zirconia electrolyte technology 15 p2538 N91-24059
SUITS, A. G.
Crossed beams studies of nonadiabatic collision dynamics
[DE91-016250] 24 p4095 N91-32879
SUITS, B. H.
Magnetic resonance imaging studies of process rheology
[AD-A225814] 04 p0510 N91-12836
SUJANANI, M.
Microcomputer enhanced optical investigation of spreading and evaporative processes in ultra thin films
[DE91-005592] 10 p1608 N91-18875
Transport processes and interfacial phenomena in an evaporating meniscus
[DE91-005561] 18 p2951 N91-26284
SUK, MINSOO
Northeast Artificial Intelligence Consortium (NAIC). Volume 15: Strategies for coupling symbolic and numerical computation in knowledge base systems
[AD-A234894] 18 p3048 N91-26829
SUKHADIA, A. M.
Generation of continuous liquid crystalline polymer reinforcements in thermoplastics by a novel blending process
[AD-A232824] 15 p2407 N91-23330
The formation of novel thermoplastic composites from liquid crystalline polymers and their blends
[AD-A239546] 23 p3808 N91-31244
SUKHADIA, A. P.
Processing studies of blends of polypropylene with liquid crystalline polymers
[AD-A232961] 16 p2605 N91-24435
SUKHANOV, YU. V.
Orthostatic stability of dehydrated healthy men
19 p3210 N91-27746
SUKORIANSKY, SEMION
Liquid-metal MHD power conversion for space electric systems
[SER-S/27] 15 p2390 N91-23231
Flows with strongly anisotropic turbulence-dynamic and heat transfer aspects
[SER-20/P] 15 p2420 N91-23407
Turbulence and the feasibility of self-cooled liquid-metal blankets for fusion reactors
[SER-10/P-REV] 15 p2510 N91-23910
SUKUMAR, S.
Granularity in the magnetic field structure of M83
05 p0753 N91-14194
SULEIMAN, AHMAD
A protein coated piezoelectric crystal detector
[AD-A223848] 02 p0276 N91-11552
SULENTIC, JACK W.
Paired and Interacting Galaxies: International Astronomical Union Colloquium No. 124
[NASA-CP-3098] 08 p1244 N91-16858
Geometrical parameters of E+S pairs
08 p1246 N91-16865
FIR statistics of paired galaxies
08 p1253 N91-16899
Quantifying the FIR interaction enhancement in paired galaxies 08 p1253 N91-16900
SULLA, JEFFREY L.
A velocity command stepper motor for CSI application
[NASA-TM-102765] 10 p1536 N91-18456
SULLIVAN, CAROL A.
Observation of harmonic gyro-backward-wave oscillation in a 100 GHz CARM oscillator experiment
[AD-A232063] 15 p2419 N91-23398
SULLIVAN, CHRISTOPHER
Examining human-system interactions: The HSYS (human system) methodology
[DE91-006150] 09 p1373 N91-17546
SULLIVAN, DAVID
Long Duration Exposure Facility (LDEF) low-temperature Heat Pipe Experiment Package (HEPP) power system results 16 p2725 N91-25092
SULLIVAN, DONALD B.
Characterization of clocks and oscillators
[PB91-100909] 14 p2266 N91-22539
SULLIVAN, J. A.
Pulsed power considerations for electron beam pumped krypton fluoride lasers for inertial confinement fusion applications
[DE91-007471] 10 p1530 N91-18430
Development of KrF lasers for inertial confinement fusion
[DE91-007349] 11 p1710 N91-19419
SULLIVAN, J. AL
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282
SULLIVAN, J. D.
MIT ASTROMAG 1.7 meter disk magnet design report
[NASA-CR-187931] 14 p2322 N91-22824
SULLIVAN, J. H.
Kinetics of dark reaction in chemical laser gases
[DE91-015320] 21 p3525 N91-29579
SULLIVAN, J. R.
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482
SULLIVAN, K.
Foil perforation particulate impact records on LDEF MAP AO023: Incident mass distributions
16 p2711 N91-25002
Dynamic (computer) modelling of the particulate environment: Transformations from the LDEF reference frame to decode geocentric and interplanetary populations 16 p2712 N91-25010
SULLIVAN, KENNETH W.
An evaluation of the total quality management implementation strategy for the advanced solid rocket motor project at NASA's Marshall Space Flight Center
[NASA-TM-103533] 16 p2638 N91-24599

SULLIVAN, N. S.
A proposed search for dark-matter axions in the 0.6-16 micro-eV range
[NASA-CR-188173] 15 p2529 N91-24015
SULLIVAN, ROBERT J.
Visible and near infrared observation on the Global Aerosol Backscatter Experiment (GLOBE)
17 p2799 N91-25486
SULLIVAN, ROY MICHAEL
A finite element model for thermochemically decomposing polymers 16 p2604 N91-24429
SULLIVAN, T.
Low-temperature flow visualization of thermally-convecting liquid helium
[DE91-011383] 17 p2778 N91-25376
SULLIVAN, T. J.
Comparison of MAGIC and Diatom paleolimnological model hindcasts of lakewater acidification in the Adirondack region of New York
[DE91-010125] 19 p3186 N91-27616
ARAC: A computer-based emergency-response dose-assessment service with global application potential
[DE91-013248] 20 p3375 N91-28700
SULLIVAN, TIM R.
Factors shaping the evolution of electronic documentation systems
[NASA-CR-187257] 04 p0605 N91-13363
SULLIVAN, TIMOTHY J.
Comparison of NASA Lewis Research Center's performance code's pressure-drop model predictions to Stirling engine working-space flow test data
[NASA-CR-182215] 05 p0684 N91-13804
SULLIVAN, VIRGINIA L.
An assessment of media coverage of the B-2 stealth bomber
[AD-A224646] 03 p0299 N91-11666
SULLIVAN, WALTER
COBE's search for structure in the Big Bang
[NASA-TM-102976] 05 p0769 N91-14271
SULZBACH, SUSAN
Computer-based instruction Authoring Tools System (CATS): Student guide
[AD-A225782] 04 p0562 N91-13116
SULZER, M. P.
Mars radar mapping: Strong depolarized echoes from the Elysium/Amazonis outflow channel complex
11 p1820 N91-20001
SUMAKERIS, JOE
Atomic layer epitaxy of silicon, silicon/germanium, and silicon carbide via extraction/exchange processes
[AD-A231348] 13 p2163 N91-21927
SUMICH, MARK
Development of a fatigue-life methodology for composite structures subjected to out-of-plane load components
[NASA-TM-102885] 11 p1677 N91-19241
SUMIDA, P. T.
Test results for composite specimens and elements containing joints and cutouts
[NASA-CR-178246] 21 p3472 N91-29254
SUMIER, M. R.
Regression on medians of probability distributions
[PB91-177006] 22 p3747 N91-30882
SUMMA, J. MICHAEL
A novel potential/viscous flow coupling technique for computing helicopter flow fields
[NASA-CR-177568] 11 p1643 N91-19060
SUMMERFIELD, PHILIP JOHN
Kinematic GPS surveying 20 p3282 N91-28149
SUMMERS, C. J.
High efficiency cadmium and zinc telluride-based thin film solar cells
[DE91-002112] 06 p0840 N91-14643
SUMMERS, CHRISTOPHER J.
Infrared power cells for satellite power conversion
[NASA-CR-188723] 22 p3699 N91-30594
SUMMERS, ERIC W.
OPTIC: Orbiting Plutonian Topographic Image Craft proposal for an unmanned mission to Pluto
08 p1102 N91-16049
SUMMERS, GEOFFREY P.
Temperature coefficients and radiation induced DLTS spectra of MOCVD grown n(+)p InP solar cells
22 p3638 N91-30245
SUMMERS, L. T.
A characterization of internal-Sn Nb3 Sn superconductors for use in the Proof of Priciples (PoP) coil
[DE91-001743] 06 p0879 N91-14852
A model for the prediction of Nb3Sn critical current as a function of field, temperature, strain, and radiation damage
[DE91-000656] 08 p1229 N91-16775
SUMMERS, R. JOE
Educator's guide for building and operating environmental satellite receiving stations
[NOAA-TR-NESDIS-44] 01 p0015 N91-10093
SUMMERS, T. S. E.
Improving fatigue life in near-eutectic Sn Pb solders
[DE91-013844] 20 p3358 N91-28603
SUMMERTON, M.
Low temperature environment operation of turbo engines: A military operator's experience and requirements 23 p3791 N91-31145
SUMMONS, R. E.
Petroleum source rocks of the Amadeus Basin
19 p3198 N91-27678
SUMPTER, B. G.
Defect generation and motion in polyethylene-like crystals, analyzed by simulation with supercomputers
[DE91-004770] 10 p1502 N91-18265
SUMPTION, M. D.
Ferromagnetic material in the superconductor and its effect on the magnetization sextupole and decapole in the SSC dipoles at injection
[DE91-011886] 20 p3424 N91-28993
SUN, C. T.
Vibration control and optimization in composite structural elements by use of add-on viscoelastic materials
[AD-A238533] 21 p3533 N91-29628
SUN, CHIEN HSIUNG
Developing portable user interfaces for Ada command control software
[AD-A226712] 06 p0859 N91-14747
SUN, D. C.
Two reference time scales for studying the dynamic cavitation of liquid films
[NASA-TM-103673] 11 p1701 N91-19369
SUN, L.
Model filled polymers versus synthesis of crosslinked monodisperse polymethacrylate beads
[AD-A227236] 08 p1118 N91-16146
SUN, LIN
One way to reduce thermal effects in a piezoelectric pressure transducer mounted in the combustion chamber of a C.I. engine
[ISVR-TR-189] 13 p2087 N91-21487
SUN, LIQING
Model filled polymers 8: Synthesis of crosslinked polymeric beads by seed polymerization
[AD-A237429] 21 p3487 N91-29349
Model filled polymer 7: Flow behavior of polymers containing monodisperse crosslinked polymeric beads
[AD-A237430] 21 p3487 N91-29350
SUN, MAORONG
Digital image integration technique of multiple geoscience information system and its application
[DE90-627893] 01 p0135 N91-10801
SUN, S.
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510
Strained quantum well leaky-mode diode laser arrays
[DE91-009982] 15 p2433 N91-23477
SUN, T.
Thermoforming of in-situ reinforced thermoplastic composites
[AD-A232816] 15 p2407 N91-23329
The formation of novel thermoplastic composites from liquid crystalline polymers and their blends
[AD-A239546] 23 p3808 N91-31244
SUN, W.-H.
Optical, near, infrared and ultraviolet monitoring of the Seyfert 1 galaxy Markarian 335
09 p1445 N91-17970
SUN, WEIJUN
Research on high performance organic silicon ablative materials for use in solid rocket motors
[AD-A225345] 03 p0324 N91-11804
SUN, X.
Spectrum of the third-order nonlinear susceptibility of trans-polyacetylene
[AD-A230109] 12 p1873 N91-20291
SUN, X. F.
Computer simulation of substituted polyacatylenes
[AD-A226328] 04 p0508 N91-12821
Dynamics simulation of Langmuir-Blodgett films
[AD-A226327] 04 p0590 N91-13293
Molecular dynamics simulation of substituted polyacetylenes
[AD-A235853] 19 p3242 N91-27928
SUN, XIAN-HE
A structured representation for parallel algorithm design on multicomputers
[DE91-006674] 11 p1776 N91-19744
Scalability of parallel algorithm-machine combinations
[DE91-011902] 17 p2837 N91-25679
Toward a better parallel performance metric
[DE91-012627] 20 p3388 N91-28773
SUN, XIAOLI
Avalanche photodiode photon counting receivers for space-borne lidars
[NASA-CR-187991] 10 p1529 N91-18423
SUN, Y.
Polyaniline: Synthesis and properties of pernigraniline
[AD-A233706] 18 p2945 N91-26245
Polyaniline: Allowed oxidation states
[AD-A233842] 18 p2946 N91-26251
Light induced electron spin resonance in polyaniline
[AD-A233847] 18 p2959 N91-26331
Polyaniline: Oriented films and fibers
[AD-A234414] 18 p2962 N91-26347
SUNABE, K.
Survey on electron beam processing technologies
[DE91-759126] 13 p2153 N91-21866
SUNADA, K.
The University of Tokyo-Norbeyama Radio Observatory submillimeter survey telescope
13 p2181 N91-22051
SUNAK, HARISH
External cavity coherent transmitter modules
[AD-A230239] 12 p1903 N91-20470
SUNDARAM, A. K.
The evolution of resistive ballooning modes in the banana-plateau collisionality regime
[DE90-016672] 02 p0272 N91-11525
SUNDARAM, P.
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 1: Steady
[AD-A233482] 16 p2547 N91-24113
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 2: User manual for VORSTAB-2
[AD-A233483] 16 p2547 N91-24114
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 3: Unsteady
[AD-A233569] 16 p2547 N91-24115
SUNDARAM, S.
Experiments on the turbulent boundary layer on a flat plate in the wake of another flat plate
[NAL-TM-EA-9001] 10 p1525 N91-18399
SUNDARAM, V. S.
Tandem concentrator solar cells with 30 percent (AMO) power conversion efficiency 11 p1667 N91-19189
SUNDBERG, CARL J.
Effects of short-lasting weightlessness on gas exchange during light exercise 11 p1741 N91-19573
Effects of training with reduced perfusion pressure on performance and muscle fiber characteristics
11 p1748 N91-19615
SUNDBERG, DONALD C.
A membrane for in-situ optical detection of organic nitro compounds based on fluorescence quenching
[AD-A234071] 19 p3122 N91-27248
SUNDBERG, GALE R.
Civil air transport: A fresh look at power-by-wire and fly-by-light 14 p2359 N91-23053
SUNDBERG, R. L.
Description of the Strategic High-Altitude Atmospheric Radiation Code (SHARC)
[AD-A237089] 21 p3541 N91-29671
SUNDBERG, W. D.
A vortex panel method for calculating aircraft downwash on parachute trajectories
[DE91-009764] 15 p2365 N91-23085
SUNDERAM, V.
Solving computational grand challenges using a network of heterogeneous supercomputers
[DE91-013725] 20 p3385 N91-28755
SUNDERAM, V. S.
The PVM (Parallel Virtual Machine) system: Supercomputer level concurrent computation on a network of IBM RS/6000 power stations
[DE91-007844] 11 p1779 N91-19757
Network based concurrent computing on the PVM system
[DE91-014961] 20 p3389 N91-28780
A users' guide to PVM (parallel virtual machine)
[DE91-016934] 23 p3914 N91-31855
The PVM system: Supercomputer level concurrent computation on a heterogeneous network of workstations
[DE91-016276] 23 p3916 N91-31870
SUNDFELD, SOFIA
Reception and display of WEFAX images: 4 bits with micro line IBM-PC, users manual
[INPE-5086-NTE/294] 02 p0255 N91-11417
Reception and display of WEFAX images: 4 bits with micro line IBM-PC-operating manual
[INPE-5085-NTE/293] 03 p0399 N91-12218
SUNDLAND, H.
Effects of weightlessness (sea water immersion) on body fluid balance and CNS functions
15 p2449 N91-23566

SUNEPEREZ, JUAN
Fundamental concepts for utilization of the FPS-5410 array processor
[INPE-5091-RPE/624] 02 p0250 N91-11388
Utilization of GPIOP in the matrix processor FPS-5410
[INPE-5152-RPE/634] 13 p2134 N91-21747
SUNG, DANIEL Y.
Low-speed wind-tunnel test of an unpowered high-speed stoppable rotor concept in fixed-wing mode
[NASA-TM-4250] 10 p1457 N91-18033
SUNKARA, MAHENDRA
Transport and nucleation processes in the vapor growth of diamond
[AD-A232135] 15 p2517 N91-23953
SUNSHINE, J.
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
SUNWOO, A. J.
Metastable austenites in cryogenic high magnetic field environments
[DE91-016420] 23 p3816 N91-31288
SUNYAEV, R. A.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
SUOMI, VERNER E.
Management and display of four-dimensional environmental data sets using McIDAS
[NASA-CR-184081] 09 p1379 N91-17579
SUPEK, S.
Noninvasive studies of human visual cortex using neuromagnetic techniques
[DE91-001856] 07 p1035 N91-15680
SUPER, A. B.
Design of physical cloud seeding experiments for the Arizona atmospheric modification research program
[PB91-174136] 19 p3201 N91-27692
SUPPE, J.
Does wrinkle ridge formation on Mars involve most of the lithosphere 14 p2349 N91-22992
SURAMPUDI, S.
Advances in Li-TiS2 cell technology
24 p4039 N91-32567
SURANYI, P.
Research in particle theory
[DE91-010749] 15 p2504 N91-23872
SURDA, A.
A cluster approximation for the transfer-matrix method
[DE91-617790] 20 p3393 N91-28804
SUREK, T.
Photovoltaics: From the laboratory to the marketplace
[DE91-002151] 18 p3004 N91-26588
SURESH, R.
Far infrared dielectric properties of polypyrrole doped with the tosylate anion
[AD-A226326] 04 p0507 N91-12820
SURGENOR, DOUGLAS MACN.
Initial blood storage experiment
[NASA-CR-185513-PT-1] 06 p0851 N91-14700
Initial blood storage experiment
[NASA-CR-185513-PT-2] 06 p0852 N91-14701
SURI, MANIL
On locking and robustness in the finite element method
[AD-A232245] 15 p2494 N91-23815
Locking effects in the finite element approximation of elasticity problems
[AD-A239645] 23 p3922 N91-31914
SURIC, T.
Scattering of photons from atomic electrons
[DE91-006268] 10 p1592 N91-18778
SURYANARAYANA, P. V. R.
Surface tension and viscosity from damped free oscillations of viscous droplets 13 p2061 N91-21346
A high temperature thermal diffusivity determination procedure for solids and liquids
13 p2066 N91-21377
SURZHANSKIY, ANDREY
Scientists' discoveries on quasars, supernovas noted
19 p3111 N91-27184
SUSIE, ALLEN M.
Computer model of an injection locked pulsed CO2 laser
[AD-A230680] 12 p1904 N91-20477
SUSKO, MICHAEL
Atmospheric turbulence review of space shuttle launches
[NASA-TM-4289] 15 p2388 N91-23215
SUSMAN, L.
Electrojet modulation ELF communications
10 p1554 N91-18546
SUSMAN, S.
Temperature dependence of the first sharp diffraction peak in vitreous silica
[DE90-011181] 09 p1317 N91-17230
SUSO, J.
Possible very extended envelopes around red supergiants 09 p1436 N91-17912
SUSOEFF, A. R.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Performance of hypervelocity armatures with replenished metal vapor plasmas
[DE91-011931] 18 p2934 N91-26187
SUSSMAN, E. D.
Shipboard crew fatigue, safety and reduced manning
[PB91-138099] 16 p2664 N91-24740
SUSSMAN, GERALD JAY
The supercomputer toolkit and its applications
[AD-A225807] 04 p0555 N91-13077
SUSZCYNSKY, DAVID M.
Secondary-electron yield measurements from metals impacted by high-velocity ions, electrons, and molecules
[DE90-018023] 02 p0268 N91-11502
SUTEAU-HENSON, ANNE
Analysis of high frequency seismic data
[AD-A231804] 14 p2286 N91-22640
SUTER, BRUCE W.
AFIT/AFOSR Symposium on Applications of Wavelets to Signal Processing. Volume 1: Synopsis
[AD-A238024] 22 p3662 N91-30388
SUTER, U. W.
Quasi-static modeling of chain-dynamics in the amorphous glassy polycarbonate of 4,4'-isopropyledenediphenol
[AD-A237289] 21 p3486 N91-29343
An atomistic model of the amorphous glassy polycarbonate of 4,4'-isopropylidenediphenol
[AD-A237291] 21 p3487 N91-29345
The molecular view of plastic deformation and precursor processes of crazing in glassy polypropylene and polycarbonate
[AD-A237333] 21 p3487 N91-29346
Conformational characteristics of the polycarbonate 4,4'-isopropylidenediphenol
[AD-A237334] 21 p3487 N91-29347
SUTER, ULRICH W.
Simulation of the structure of dense, amorphous bisphenol-A polycarbonate
[AD-A237222] 21 p3474 N91-29270
Simulation of large deformation in glassy atactic polypropylene
[AD-A237223] 21 p3486 N91-29340
SUTHERLAND, B. M.
Pyrimidine dimer formation by UVA radiation: Implications for photoreactivation
[DE91-015837] 23 p3898 N91-31756
SUTHERLAND, C. D.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
SUTHERLAND, H. J.
A 34-meter VAWT (Vertical Axis Wind Turbine) point design
[DE91-004565] 09 p1356 N91-17449
SUTHERLAND, HERBERT J.
Fatigue analysis of WECS (Wind Energy Conversion System) components using a rainflow counting algorithm
[DE91-000774] 04 p0544 N91-13016
SUTHERLAND, IAN
Romulus: A computer security properties modeling environment overview, volume 1
[AD-A236128] 22 p3723 N91-30717
Romulus: A computer security properties modeling environment. Volume 2A: The theory of security
[AD-A236129] 22 p3723 N91-30718
Romulus: A computer security properties modeling environment. Volume 2B: MATHESIS
[AD-A236130] 22 p3723 N91-30719
SUTHERLAND, J. C.
Pyrimidine dimer formation by UVA radiation: Implications for photoreactivation
[DE91-015837] 23 p3898 N91-31756
SUTHERLAND, LOUIS C.
Evaluation of potential damage to unconventional structures by sonic booms
[AD-A225029] 03 p0381 N91-12125
Long-range sound propagation: A review of some experimental data 08 p1214 N91-16683
SUTHON, PETER B.
Interaction of a vortex pair with a free surface: Measurements and computations
[AD-A233045] 16 p2624 N91-24532
SUTJAHJO, EDHI
Computational simulation of acoustic fatigue for hot composite structures
[NASA-TM-104379] 15 p2446 N91-23548
SUTO, MASAKO
Photoabsorption and photodissociation of molecules important in the interstellar medium
[NASA-CR-187944] 09 p1448 N91-17991
SUTO, YASUSHI
Application of the Ewald method to cosmological N-body simulations
[DE90-513789] 02 p0292 N91-11637
Cosmological N-body simulations with a treecode
[DE90-513790] 02 p0292 N91-11638
Microwave background anisotropies and the primordial spectrum of cosmological density fluctuations
[DE90-513791] 02 p0292 N91-11639
Quasi-nonlinear theory of cosmological self-gravitating systems
[DE91-744971] 11 p1819 N91-19989
Statistics of peaks in cosmological nonlinear density fields
[DE91-744972] 11 p1819 N91-19990
SUTTER, JAMES K.
Long term isothermal aging and thermal analysis of N-CYCAP polyimides
[NASA-TM-104341] 17 p2761 N91-25286
SUTTER, ULRICH W.
The atomic strain tensor
[AD-A237287] 21 p3574 N91-29877
SUTTLES, JOHN T.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475
FIRE Cirrus on October 28, 1986: LANDSAT; ER-2; King Air; theory 01 p0081 N91-10480
Satellite orbit considerations for a global change technology architecture trade study
[NASA-TM-104081] 17 p2815 N91-25557
Science requirements for a global change technology architecture trade study
[NASA-TM-104082] 17 p2815 N91-25558
SUTTON, E. C.
Requirements for SIS receivers in the 500-1000 GHz region 13 p2176 N91-22015
SUTTON, JOHN F.
Synchronous demodulator
[NASA-CASE-GSC-13179-1] 18 p2977 N91-26438
Differential current source
[NASA-CASE-GSC-13280-1] 19 p3161 N91-27479
SUTTON, KEVIN
PFERD Mission: Pluto flyby exploration/research design 08 p1101 N91-16046
SUTTON, RICHARD S.
A unified framework for credit assignment
[DE90-011636] 02 p0258 N91-11434
SUTTON, S. R.
Scanning Transmission Ion Microscopy (STIM): A new technique for density mapping of microstructures
[DE91-011917] 20 p3396 N91-28825
High-energy synchrotron radiation x ray microscopy: Present status and future prospects
[DE91-016894] 24 p4097 N91-32893
SUZUKI, DAVID E.
Engine cycle analysis for a particle bed reactor nuclear rocket
[AD-A235258] 18 p2937 N91-26199
SUZUKI, H.
Wavelength control of visible light laser diodes
[DE91-736784] 09 p1342 N91-17369
Use of electrical impedance imaging in two-phase, gas-liquid flows
[DE91-015914] 21 p3517 N91-29531
SUZUKI, HIROKAZU
Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003
SUZUKI, HIROYUKI
Station control and monitor subsystem
01 p0058 N91-10341
Image monitor 01 p0058 N91-10344
System console 01 p0059 N91-10351
SUZUKI, K.
Result of ONERA standard model test in 2m x 2m transonic wind tunnel
[DE91-750115] 11 p1644 N91-19066
SUZUKI, KAZUFUMI
Satellite-derived index of precipitation intensity
01 p0060 N91-10362
SUZUKI, KAZUNORI
Application of knowledge-based system to spacecraft monitoring 14 p2216 N91-22250
SUZUKI, M.
Result of ONERA standard model test in 2m x 2m transonic wind tunnel
[DE91-750115] 11 p1644 N91-19066
SUZUKI, MASAHIRO
Structured grid generation based on unstructure grid
04 p0455 N91-12542
Numerical simulation of aerodynamic effects of the rear-spoiler on an automobile 04 p0465 N91-12602
Surface grid generation based on unstructured grid
24 p3944 N91-32042

SUZUKI, MASAMITSU
Modification in the main air blower unit for two meter times two meter transonic wind tunnel: Plan and configuration
[NAL-TM-580] 01 p0013 N91-10081
SUZUKI, MINEO
Detection of solid lubricant film failure during sliding by vibration monitoring
[NAL-TR-1060] 08 p1159 N91-16384
SUZUKI, N.
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956
SUZUKI, NAOYUKI
Numerical simulation of hypersonic flow around H-2 orbiting plane 04 p0458 N91-12559
Numerical simulation of hypersonic flow around H-2 orbiting plane 24 p3943 N91-32034
SUZUKI, TAKAMITSU
Characteristics of corona-preionized UV TEA laser 19 p3249 N91-27967
SUZUKI, TAKAO
Outline of CDAS telecommunication system 01 p0058 N91-10340
SUZUKI, Y.
Solution growth of GaAs single crystals (TEXUS 19) 23 p3836 N91-31393
SVABEK, L.
A report on NASA software engineering and Ada training requirements
[NASA-CR-187390] 04 p0557 N91-13089
SVEC, W. A.
Efficient photoinduced charge separation and storage in the solid state, rates, energetics, and spin-polarization
[DE91-010727] 18 p3073 N91-26980
Photoinduced charge separation and recombination: The influence of medium on rates and energetics
[DE91-010267] 19 p3240 N91-27920
SVED, J.
Spacecraft autonomy concept validation by simulation: A feasibility assessment
[MBB-UO-0100-90-PUB] 04 p0493 N91-12741
Columbus generic element management and planning concept
[MBB-UO-0101-90-PUB] 04 p0493 N91-12742
Spacecraft autonomy concept validation by simulation: A feasibility assessment 14 p2215 N91-22243
Columbus generic element management and planning concept 14 p2216 N91-22244
SVEDEMAN, STEVEN J.
On-Orbit Compressor Technology Program
[NASA-CR-185645] 16 p2636 N91-24594
SVEHLA, ROGER A.
In-flight and simulated aircraft fuel temperature measurements
[NASA-TM-103611] 07 p0987 N91-15418
SVESTKA, JIRI
Laboratory investigation of electric charging of dust particles by electrons, ions, and UV radiation 06 p0899 N91-14971
SVIRSKAYA, POLINA I.
The synthesis of monometallated and unsymmetrically substituted binuclear phthalocyanines and a pentanuclear phthalocyanine by solution and polymer support methods
[AD-A225363] 03 p0345 N91-11934
SVIRZHEVSKIJ, N. S.
Cosmic ray charged component variations at sea level
[DE91-615480] 11 p1823 N91-20021
SVISHCHEV, G.
Developmental tests for shuttle Orbiter 08 p1100 N91-16038
SVOB, G. J.
Evolution of an aging program Minuteman Stage 2 solid rocket motor 16 p2576 N91-24275
SVOBODA, R. C.
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848
SWAB, JEFFREY J.
Static fatigue behavior of structural ceramics in a corrosive environment
[AD-A225654] 03 p0345 N91-11936
Mechanical behavior of a SiC-fiber/Si3N4 composite
[AD-A228371] 08 p1106 N91-16073
A proposed standard practice for fractographic analysis of monolithic advanced ceramics
[AD-A231989] 14 p2250 N91-22447
SWAFFORD, TIMOTHY W.
Euler flow predictions for an oscillating cascade using a high resolution wave-split scheme
[NASA-TM-104377] 16 p2546 N91-24107
SWAGTEN, HENRICUS JOHANNES MARIA
The magnetic behavior of diluted magnetic semiconductors
[ETN-91-99174] 14 p2336 N91-22915
SWAIN, D. W.
Fast-wave current drive modelling for large non-circular tokamaks
[DE91-000562] 04 p0584 N91-13261
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
Tuning and matching of the BPX ICH system
[DE91-017872] 24 p4107 N91-32950
SWAIN, M. H.
The growth of short cracks in 4340 steel and aluminum-lithium 2090 02 p0223 N91-11247
SWAIN, P. H.
A method for classification of multisource data using interval-valued probabilities and its application to HIRIS data 07 p1024 N91-15622
SWAIN, PHILIP H.
Statistical methods and neural network approaches for classification of data from multiple sources
[NASA-CR-188207] 15 p2490 N91-23786
SWALLOM, DANIEL W.
Lightweight transformer
[DE91-004166] 10 p1516 N91-18348
SWAMY, K. S. KRISHNA
The nature of cometary dust as determined from infrared observations 06 p0906 N91-15003
SWAN, DAVID HERMAN
Flow field study of a rectangular jet 15 p2423 N91-23423
SWAN, P.
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006
SWAN, SCOTT A.
Bidirectional drive and brake mechanism
[NASA-CASE-MSC-21540-1] 24 p4029 N91-32514
SWANICK, DAVID J.
High pulse repetition frequency radar early warning receiver
[AD-D014655] 11 p1693 N91-19328
Semi-automatic direction finding
[AD-D014834] 16 p2558 N91-24192
SWANK, W. D.
Simultaneous measurement of Ni-Al particle size, velocity, and temperature in atmospheric thermal plasmas
[DE91-001935] 05 p0688 N91-13826
Behavior of alumina particles in atmospheric pressure plasma jets
[DE91-006147] 09 p1407 N91-17743
The measurement of single particle temperature in plasma sprays
[DE91-006135] 10 p1602 N91-18834
Measurement of particle size, velocity and temperature in the plasma spray coating process
[DE91-006208] 15 p2405 N91-23317
SWANSON, ANDREW D.
Proceedings of the 4th NASA/DOD Control/Structures Interaction Technology Conference
[AD-A235843] 22 p3622 N91-30148
SWANSON, D. B.
Impedance profiling: A convenient technique for determining the redox or protonic acid doping characteristics of conducting polymers
[AD-A233941] 18 p2960 N91-26337
SWANSON, EDWARD E.
Concept development of a Mach 4 high-speed civil transport
[NASA-TM-4223] 05 p0619 N91-13432
SWANSON, G. A.
Notched fatigue of single crystal PWA 1480 at turbine attachment temperatures 16 p2582 N91-24310
SWANSON, GARY J.
Binary optics technology: Theoretical limits on the diffraction efficiency of multilevel diffractive optical elements
[AD-A235404] 18 p3065 N91-26933
SWANSON, L.
Frame synchronization for the Galileo code 10 p1513 N91-18325
Recent advances in coding theory for near error-free communications 15 p2540 N91-24068
Frame error rate of the NASA concatenated coding system 24 p3986 N91-32266
SWANSON, M. B.
Field intercomparison of precipitation samplers for assessing wet deposition of organic contaminants
[PB91-125880] 13 p2112 N91-21629
SWANSON, MAX L.
Materials processing of diamond: Etching, doping by ion implantation, and contact formation
[AD-A229357] 22 p3652 N91-30328
SWANSON, R. C.
Multigrid for hypersonic viscous two- and three-dimensional flows
[NASA-CR-187603] 22 p3612 N91-30093
An effective multigrid method for high-speed flows
[NASA-CR-187602] 22 p3613 N91-30096
SWANSON, R. M.
High-efficiency concentrator silicon solar cells
[DE91-006754] 10 p1541 N91-18481
One-sun, single-crystalline silicon solar cell research
[DE91-015646] 23 p3888 N91-31699
SWANSON, ROBERT E.
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209
SWANSON, STEVEN ROGER
Atmospheric studies of C2 white dwarfs 04 p0607 N91-13379
SWANSON, THEODORE D.
Advanced thermal control technology for commercial applications 14 p2360 N91-23058
SWARD, MARK L.
Determination of the optical properties of organic thin films by spectroscopic ellipsometry
[AD-A230427] 12 p1981 N91-20899
SWART, P. J. F.
Analysis of the October 1984 L-band DUTSCAT scatterometer data
[BCRS-89-40] 04 p0538 N91-12985
SWARTTOUW, RENE F.
On q-analogues of the Fourier and Hankel transforms
[REPT-89-89] 01 p0114 N91-10666
SWARTZ, C. K.
Solar electric propulsion for Mars transport vehicles
[NASA-TM-103234] 11 p1665 N91-19178
Effects of proton irradiation on the performance of InP/GaAs solar cells 11 p1670 N91-19205
Recent progress in InP solar cell research
[NASA-TM-104509] 19 p3156 N91-27447
Effect of dislocations on properties of heteroepitaxial InP solar cells 22 p3632 N91-30209
SWARTZ, CLIFFORD K.
Heteroepitaxial InP solar cells on Si and GaAs substrates
[NASA-TM-103696] 12 p1890 N91-20392
SWARTZENDRUBER, L. J.
Monte Carlo and mean field calculations of the magnetocaloric effect of ferromagnetically interacting clusters
[DE91-014792] 21 p3572 N91-29859
SWAYZE, G. A.
Evidence for ammonium-bearing minerals in Ceres 11 p1821 N91-20004
SWEATT, W. C.
Simplified Velocity Interferometer System for Any Reflector (VISAR) system
[DE91-000024] 03 p0370 N91-12073
SWEC, DIANE M.
Update on results of SPRE testing at NASA Lewis
[NASA-TM-104425] 19 p3114 N91-27208
SWEENEY, D.
Functional baseline specification for ATC data link service implementation in the host computer system
[DOT/FAA/CT-91/12] 18 p2976 N91-26433
SWEENEY, DAVID
Controller evaluation of initial data link en route air traffic control services: Mini study 3
[DOT/FAA/CT-91/11] 19 p3149 N91-27404
SWEENEY, DENNIS
Olympus receiver evaluation and phase noise measurements 03 p0351 N91-11960
SWEENEY, F. J.
DEMO 89: The initial experiment with the HERMIES-3 robot
[DE90-017765] 11 p1716 N91-19447
SWEENEY, STEVEN
Evaluation of K-Span as a Rapidly Erectable Lightweight Mobilization Structure (RELMS)
[AD-A231699] 14 p2254 N91-22469
SWEERS, GUIDO
Strong maximum principles for systems
[REPT-90-37] 01 p0114 N91-10671
A sign-changing global minimizer on a convex domain
[REPT-90-57] 08 p1209 N91-16655
Strong positivity in C(omega) for cooperative elliptic systems
[REPT-90-72] 10 p1585 N91-18732
SWEET, D.
Civil tiltrotor missions and applications. Phase 2: The commercial passenger market
[NASA-CR-177576] 18 p2923 N91-26126

SWEET, J. N.
Oxidized porous silicon moisture sensors for evaluation of microelectronic packaging
[DE91-011322] 17 p2770 N91-25331
SWEET, L.
Time domain frequency stability calculated from the frequency domain description: Use of the SIGINT software package to calculate time domain frequency stability from the frequency domain
[PB90-257684] 02 p0253 N91-11405
SWEET, M. R.
Comparison of some x ray sensors for verification
[DE90-011990] 08 p1148 N91-16323
SWEET, R.
Time domain frequency stability calculated from the frequency domain description: Use of the SIGINT software package to calculate time domain frequency stability from the frequency domain
[PB90-257684] 02 p0253 N91-11405
SWEET, R. C.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614
SWEET, R. M.
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-006832] 12 p1902 N91-20464
SWEGLE, J.
Non-steady wave profiles and the fourth-power law
[DE91-013576] 20 p3363 N91-28631
SWENSON, C.
The collective gyration of a heavy ion cloud in a magnetized plasma
[NASA-CR-187823] 22 p3757 N91-30943
SWENSON, G. R.
Laboratory investigation of visible shuttle glow mechanisms 12 p1951 N91-20734
SWENSON, HARRY N.
Computer aiding for low-altitude helicopter flight
[NASA-TM-103861] 17 p2735 N91-25142
SWENSON, RICHARD M.
Artificial neural network implementation
[AD-D014663] 11 p1780 N91-19764
SWETITS, JOHN J.
Modeling Cr-to-Tm and Cr-to-Tm-to-Ho energy transfer in YAG crystals
[NASA-CR-187764] 22 p3760 N91-30962
SWETTE, L.
Oxygen electrodes for rechargeable alkaline fuel cells, 3 24 p4038 N91-32561
SWIDERSKI, TANYA
Removal of NO and NO2 from contaminated atmospheres
[AD-A227260] 08 p1194 N91-16565
SWIEP, G.
Study system concept for a pelotons procedure trainer (PEP-trainer) for the weapon systems YPR-PRAT, YPR-25 mm (EWS) and Leopard 1-5
[FEL-90-A084] 05 p0695 N91-13871
SWIERKOWSKI, S. P.
Simulation, design, and fabrication of thin-film resistive-gate GaAs charge coupled devices
[DE91-000419] 07 p1072 N91-15902
SWIERSTRA, DOAITSE
On the efficient incremental evaluation of higher order attribute grammars
[RUU-CS-90-36] 23 p3910 N91-31832
SWIERSTRA, S. D.
Distributed incremental maximum finding in hierarchically divided graphs
[RUU-CS-90-30] 23 p3910 N91-31828
SWIERSTRA, SIP
Optimum on-line handling of air traffic over Western Europe 02 p0172 N91-10982
Generation of aircraft trajectories for on-line operation: Methods, techniques, and tools 02 p0173 N91-10987
The control of inbound flights 02 p0174 N91-10992
Air traffic management and aircraft guidance in a zone of convergence 02 p0176 N91-10998
Ground-based 4-D guidance of flights in strong wind 02 p0176 N91-10999
The air traffic controller facing automation: Conflict or cooperation 02 p0176 N91-11001
Integration of aircraft capability in air traffic handling simulations 02 p0178 N91-11007
Integration of a realistic airline/aircrew/aircraft component in ATC simulations 07 p1046 N91-15738
SWIETERING, PATRICK
A note on the convergence of a synchronously parallel Boltzmann machine for the knapsack problem
[MEMO-COSOR-89-28] 07 p1054 N91-15787
SWIFT, BRIAN L.
Comment on effect on surface reconstruction on stability and reactivity of Si clusters
[AD-A235517] 19 p3123 N91-27252
SWIFT, C. D.
Zonal deformable mirror for laser wavefront control
[DE91-017085] 24 p4023 N91-32483
SWIFT, C. T.
Development of a validation model for the defense meteorological satellite program's special sensor microwave imager
[NASA-CR-187369] 02 p0241 N91-11342
Microwave signatures and physical characteristics of snow covered and desalinated young sea ice
[AD-A230736] 12 p1918 N91-20550
SWIFT, CALVIN T.
An electrically scanned thinned array radiometer for Earth remote sensing 17 p2796 N91-25465
SWIFT, G. W.
Superfluid Stirling refrigerator: A new method for cooling below 1 Kelvin
[DE91-002311] 05 p0645 N91-13582
SWIFT, L. W.
Climate variability and ecosystem response: Proceedings of a Long-Term Ecological Research Workshop
[PB91-119180] 13 p2113 N91-21632
SWIFT, ROBERT N.
Airborne oceanographic lidar participation in the US Joint Global Ocean Flux Study (JGOFS) 17 p2796 N91-25468
Applying kinematic GPS to airborne laser remote sensing 17 p2798 N91-25475
SWIFT, T.
Repairs to damage tolerant aircraft
[AD-A225742] 04 p0478 N91-12668
SWIGGER, KATHLEEN M.
Human benchmarking of expert systems
[AD-A233601] 16 p2665 N91-24742
Evaluation of expert systems: A review of the literature
[AD-A234360] 18 p3044 N91-26808
SWIHART, J. C.
Bosonic mechanism for high-temperature
[DE91-008592] 12 p1992 N91-20966
SWIHART, J. M.
The prospects of aeronautics 04 p0461 N91-12580
SWIMM, RANDALL T.
Thermal transport studies of optical coatings, interfaces and surfaces by thermal diffusion-wave interferometry
[AD-A231607] 13 p2155 N91-21879
SWINDEMAN, R. W.
HAZ liquation cracking behavior in newly developed lean 316 stainless steels
[DE90-009409] 08 p1113 N91-16117
Evaluation of filler metals for high-strength stainless steels
[DE91-009931] 15 p2401 N91-23295
Experience with conventional inelastic analysis procedures in very high temperature applications
[DE91-009937] 15 p2445 N91-23545
Performance of a 22Cr-20Ni-18Co-Fe alloy for service to 870 C
[DE91-011366] 18 p2957 N91-26317
Deformation and thermal fatigue in high temperature austenitic alloys
[DE91-014981] 21 p3480 N91-29305
SWINDEMAN, ROBERT W.
Current activities in standardization of high-temperature, low-cycle-fatigue testing techniques in the United States
[NASA-TM-103675] 09 p1352 N91-17427
SWINDLE, T.
Helium-3 in the lunar regolith 17 p2753 N91-25235
He-3 and other lunar volatiles 17 p2905 N91-26046
SWINNEA, J. S.
Ruddlesden-Popper phases A(n+1)M(n)O(3n+1): Structures and properties
[DE91-011748] 21 p3591 N91-29973
SWINTON, R. J.
Proposed preparative techniques for manufacture of marine dye marker
[MRL-TN-583] 14 p2190 N91-22097
Tropical tests of a seawater marker
[MRL-TR-90-19] 23 p3786 N91-31109
SWISSLER, THOMAS J.
Advanced technology needs for a global change science program: Perspective of the Langley Research Center
[NASA-TM-4196] 06 p0839 N91-14634
SWITALA, M.
A tribological investigation of the graphite-to-diamond-like behavior of amorphous carbon films ion-beam-deposited on ceramic substrates
[DE91-010816] 18 p2967 N91-26379
SWITENDICK, A. C.
Electronic charge density and bonding in alpha-boron: An experimental-theoretical comparison
[DE91-006629] 11 p1809 N91-19936
SWITZER, G. F.
Zonal analysis of two high-speed inlets 13 p2016 N91-21089
SWITZER, G. L.
Combustion diagnostic development and application, volume 2
[AD-A231493] 14 p2243 N91-22405
Combustion diagnostic development and application, volume 1
[AD-A231667] 14 p2243 N91-22406
SWOLINSKY, M.
Effect of wind and wind variation on aircraft flight-paths 02 p0168 N91-10972
Wind models for flight simulation 02 p0168 N91-10975
SWORDY, SIMON
Cosmic Ray Nuclei (CRN) detector investigation
[NASA-CR-184137] 13 p2183 N91-22063
SYDNOR, RICHARD L.
The 22nd Annual Precise Time and Time Interval (PTTI) Applications and Planning Meeting
[NASA-CP-3116] 17 p2850 N91-25755
Zero-crossing detector with sub-microsecond jitter and crosstalk 17 p2853 N91-25776
Fiber optic frequency transfer link
[NASA-CASE-NPO-17703-1-CU] 19 p3247 N91-27957
SYDORA, R. D.
The 3-D gyrokinetic particle simulation on internal kink modes 10 p1599 N91-18821
Internal kink mode simulation by 3-D gyrokinetic code 20 p3412 N91-28916
SYED, H. H.
Analytical solutions with Generalized Impedance Boundary Conditions (GIBC) 11 p1689 N91-19307
SYED, HASNAIN H.
High frequency scattering by a smooth coated cylinder simulated with generalized impedance boundary conditions
[NASA-CR-187829] 08 p1129 N91-16211
SYED, S. A.
Coolant side heat transfer with rotation: User manual for 3D-TEACH with rotation
[NASA-CR-180886] 16 p2628 N91-24552
SYED, SAADAT A.
Validation of CFD codes for inlet flows 17 p2773 N91-25346
SYGNET, J. F.
The gravitational wakefield of a molecular cloud in a disk galaxy 05 p0752 N91-14188
SYKES, MARK V.
A study of extended zodiacal structures
[NASA-CR-187687] 06 p0915 N91-15044
The Steward Observatory asteroid relational database 16 p2597 N91-24391
SYLER, R. P.
Interim explosives detection alternatives
[DE91-016188] 24 p3952 N91-32089
SYMON, JAMES R.
Single board system for fuzzy inference 13 p2140 N91-21784
SYMONS, P. C.
User's guide to DIANE version 2.1: A microcomputer software package for modeling battery performance in electric vehicle applications
[DE91-006071] 10 p1518 N91-18356
SYMPKO, OREST G.
High frequency behavior of long and small junctions
[AD-A224763] 03 p0422 N91-12361
SYN, C. K.
Diamond turning of optical crystals
[DE90-015909] 01 p0121 N91-10719
Microstructural change and its influence on stress-strain behavior of two superplastic materials
[DE91-017431] 24 p4111 N91-32980
SYNDER, HARRY L.
The effects of display failures, polarity, and clutter on visual search for symbols on cartographic images
[AD-A235703] 19 p3213 N91-27760
SYNNESTVEDT, ROBERT
Centrifuge Facility Conceptual System Study. Volume 1: Facility overview and habitats
[NASA-TM-102860-VOL-1] 11 p1740 N91-19566
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary
[NASA-TM-102860-VOL-2] 14 p2297 N91-22697
SYNOWICKI, RON
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737
SYONO, Y.
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373

SYRETT, WILLIAM J.
Cloud and boundary layer structure over San Nicolas Island during FIRE 01 p0087 N91-10515
Winds and turbulence above San Nicolas Island during FIRE 01 p0089 N91-10522
Interpretation of combined wind profiler and aircraft-measured tropospheric winds and clear air turbulence
[NASA-CR-187785] 09 p1366 N91-17509
SZABO, BARNA A.
Hierarchic models for laminated composites
[AD-A233258] 16 p2589 N91-24350
Hierarchic models for laminated plates
[NASA-CR-188638] 19 p3117 N91-27223
SZAKALY, Z. F.
Performance capabilities of a JPL dual-arm advanced teleoperation system 12 p1935 N91-20646
SZAKALY, ZOLTAN F.
A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU] 23 p3861 N91-31528
Synchronized computational architecture for generalized bilateral control of robot arms
[NASA-CASE-NPO-17401-1-CU] 23 p3918 N91-31885
SZASZ, P.
Development and real-test of a ramjet nozzle made of liquid-silicon-infiltrated C/SiC 03 p0332 N91-11856
SZATKOWSKI, G. P.
Expert system decision support for low-cost launch vehicle operations 12 p1941 N91-20679
SZATMARY, STEVEN A.
Calculation of Weibull strength parameters, Batdorf flaw density constants and related statistical quantities using PC-CARES
[NASA-TM-103247] 01 p0056 N91-10332
SZCZERBA, RYSZARD
Continuous infrared emission of proto- and young-planetary nebulae 06 p0911 N91-15030
SZCZUR, MARTHA R.
Transportable Applications Environment (TAE) Plus: A User interface development and management system 14 p2221 N91-22279
Transportable Applications Environment (TAE) Plus: A NASA user interface development and management system 15 p2536 N91-24048
SZE, HEIN DAK
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 1
[NASA-CR-4346-PT-1] 10 p1542 N91-18489
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 2
[NASA-CR-4346-PT-2] 10 p1543 N91-18490
SZE, R. C.
Fast iterative technique for the calculation of frequency dependent gain in excimer laser amplifiers
[DE91-009965] 14 p2269 N91-22556
Tunable excimer lasers
[DE91-011399] 18 p2992 N91-26522
SZEGER, P.
Low level turbulence detection by a laser velocimetry technique: Application to transonic flows
[AAAF-NT-89-07] 23 p3784 N91-31101
SZEJWACH, G.
Report of the Consultancy Group on rain radar
[ESA-SP-1119] 04 p0548 N91-13042
Future meterological satellite programmes of EUMETSAT 07 p0948 N91-15199
The Meteosat operational programme 07 p0948 N91-15200
SZEWCZYK, ALBIN A.
Effects of three-dimensional imposed disturbance on bluff-body near wake flows
[AD-A232137] 15 p2428 N91-23447
SZIGETVARI, Z.
Verification of the MAS TMM by infrared TB/TV testing methods 07 p0954 N91-15243
SZOEKE, A.
High-intensity photoionization of H2
[DE91-017087] 24 p4096 N91-32885
SZOKE, A.
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility
[DE91-001685] 05 p0665 N91-13698
SZOZDA, JOE A.
The automatic surveillance, tracking, and imaging program. User manual
[SK-1600-44-001-02-0] 23 p3853 N91-31483
SZPAK, S.
Assessment of Li/SOCl2 battery technology: Reserve, thin-cell design, volume 3
[AD-A226184] 04 p0519 N91-12892
SZU, HAROLD H.
Superconducting neural network computer and sensor array
[AD-D014625] 05 p0698 N91-13887
SZUCH, JOHN R.
Enhancing aeropropulsion research with high-speed interactive computing
[NASA-TM-104374] 16 p2673 N91-24796
SZUSZCZEWICZ, EDWARD P.
Measurement realities of current collection in dynamic space plasma environments 09 p1402 N91-17718
SZYDLOWSKI, EDWARD
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test procedures
[DOT/FAA/CT-TN90/63] 17 p2727 N91-25100
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test report
[DOT/FAA/CT-TN90/27] 17 p2727 N91-25101
SZYMANSKI, BOLESLAW K.
Generating parallel and real-time systems from equational programming language specifications
[AD-A227632] 07 p1049 N91-15757

T

TAALEBINEZHAAD, M. ALI
Direct recovery of motion and shape in the general case by fixation
[AD-A225793] 07 p1036 N91-15685
TAASAN, SHLOMO
One shot methods for optimal control of distributed parameter systems 1: Finite dimensional control
[NASA-CR-187497] 09 p1392 N91-17658
TABACCHIONI, F.
Cryostat for the gravitational antenna ALTAIR
[IFSI-90-3] 05 p0651 N91-13616
TABACK, ISRAEL
Satellite orbit considerations for a global change technology architecture trade study
[NASA-TM-104081] 17 p2815 N91-25557
TABARACCI
Investigation of otolith responses using ground based vestibular research facility
[NASA-CR-187877] 09 p1371 N91-17538
TABASSUM, SALIM ABID
Solar refrigeration: Evaluation of technical options and design of a solar-generator-adsorber for a novel adsorption refrigerator, volumes 1 and 2 08 p1169 N91-16440
TABATA, WILLIAM K.
Advanced cryo propulsion systems 20 p3294 N91-28212
TABATABAIE, NED
Photoluminescence studies of silver-exchanged cadmium selenide crystals. Modification of a chemical sensor for aniline derivatives by heterojunction formation
[AD-A236000] 19 p3253 N91-27996
TABER, ROD
An overview of the neuron ring model 12 p1965 N91-20813
TABEREAUX, A.
Long-term testing and evaluation of cathode components in a commercial aluminum cell, volume 1
[DE90-010896] 21 p3502 N91-29436
TABIB-AZAR, MASSOOD
Comparative study of bolometric and non-bolometric switching elements for microwave phase shifters
[NASA-TM-104435] 17 p2768 N91-25320
TABIBI, BAGHER
A 10-watt CW photodissociation laser with IODO perfluoro-tert-butane 19 p3271 N91-28093
TABIBI, BAGHER M.
Laser Doppler velocimetry for continuous flow solar-pumped iodine laser system
[NASA-TM-104029] 11 p1709 N91-19415
TABOR, JEFFREY F.
Noise reduction using low weight and constant weight coding techniques
[AD-A228346] 08 p1135 N91-16244
TACCONI-GARMAN, L.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
TACCONI, L.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
TACCONI, L. J.
A multi-wavelength study of the peculiar galaxy NGC 2976 05 p0754 N91-14199
The molecular spiral arms of NGC 6946 05 p0761 N91-14232
TACCONI, LINDA
CO distribution in southern S0 galaxies 05 p0763 N91-14239
TACHIBANA, MASAKAZU
Numerical simulation of flow fields around an airplane of complex geometries 04 p0455 N91-12544
Navier-Stokes simulations of a winged vehicle using upwind scheme 04 p0467 N91-12615
TACHIBANA, T.
Annealing effects on the microstructure of titanium electrical contacts on diamond films
[DE91-010150] 21 p3484 N91-29327
TACHIKAWA, K.
Solidification of an Al-Pb-Bi alloy under microgravity (TEXUS 13) 23 p3843 N91-31427
TACINA, ROBERT R.
Combustor technology for future aircraft
[NASA-TM-103268] 06 p0785 N91-14349
TACKETT, JUANITA R.
Characterization of phenolic resins with thermogravimetry-mass spectrometry
[DE91-002710] 06 p0813 N91-14492
TADA, KAZUMASA
A usage of wind data derived from GMS in the upper tropics 16 p2650 N91-24664
TADHUNTER, C. N.
PKS2152-69: A misdirected Blazar 09 p1444 N91-17960
TADIOS, E. L.
F111 Crew Escape Module pilot parachute
[DE91-007573] 12 p1832 N91-20066
TADJFAR, MEHRAN
Receptivity of a laminar boundary layer to the interaction of a three-dimensional roughness element with time-harmonic free-stream disturbances 20 p3344 N91-28518
TADMOR, EITAN
Spectral methods for time dependent problems
[NASA-CR-187443] 01 p0114 N91-10664
Regularized Chapman-Enskog expansion for scalar conservation laws
[NASA-CR-187441] 05 p0711 N91-13966
The convergence rate of approximate solutions for nonlinear scalar conservation laws
[NASA-CR-187608] 22 p3744 N91-30866
TADROS, M. G.
Algae for controlled ecological life support system diet characterization of cyanobacteria 'spirulina' in batch cultures 23 p3903 N91-31787
TADROS, MAHASIN G.
Manipulating cyanobacteria: Spirulina for potential CELSS diet 19 p3267 N91-28070
TAEHTINEN, S.
Hydrogen storage in metal hydrides
[DE91-746267] 11 p1691 N91-19316
TAFT, SHIRLEY O.
Energy and Technology Review, March 1990
[DE90-008230] 08 p1269 N91-16985
TAGGART, D. P.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
Density channel tracking studies on Pulserad
[AD-A232649] 15 p2506 N91-23888
TAGGER, M.
The gravitational wakefield of a molecular cloud in a disk galaxy 05 p0752 N91-14188
Accretion disk instability and spokes in Saturn's rings 06 p0922 N91-15094
TAGHVA, KAZEM
Capturing strong reduction in director string calculus
[AD-A226738] 06 p0865 N91-14783
TAHIR, J. M.
A real-time distributed optimal autopilot
[RR-398] 07 p0945 N91-15181
Selection of weights in optimal control
[RR-397] 07 p1055 N91-15796
TAI, A.
Holographic lens for wide field-of-view laser communication receiver
[AD-A231620] 13 p2090 N91-21502
TAI, CHANG HSIEN
Acceleration techniques for explicit Euler codes 06 p0824 N91-14555
TAI, D. Y.
Transport and fate of acetone in an outdoor model stream, Stennis Space Center near Bay St. Louis, Mississippi
[PB91-154674] 18 p3006 N91-26600
TAI, K.
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
TAI, KEISHI
Specific heat of YBa2Cu4O8 near Tc
[DE91-005898] 10 p1605 N91-18853

TAILHADES, J.
Space and telescience robotics: Development of concepts and reference technologies for teledetection and robotics in extreme environments
15 p2451 N91-23580

TAIRBEKOV, M.
Plant protoplast development on Biokosmos 9
11 p1758 N91-19674

TAIRBEKOV, M. G.
Biological experiments on Kosmos-1887 Biosatellite
19 p3211 N91-27751

TAIT, C. D.
Actinide speciation by photothermal spectroscopies: Instrumentation development
[DE91-001854] 05 p0666 N91-13700
Pulsed photothermal spectroscopy applied to lanthanide and actinide speciation
[DE91-007391] 12 p1867 N91-20258

TAIX, MICHEL
Path planning for non-holonomic mobile robots
[LAAS-91135] 23 p3918 N91-31882

TAJIMA, K.
The time evolution of the first order magnetic phase transition in Dy-4 percent Y alloy
[DE91-015423] 22 p3760 N91-30961

TAJIMA, T.
Propagation of magnetoacoustic waves in the solar atmosphere with random inhomogeneities of density and magnetic fields
[DE90-017616] 01 p0141 N91-10831
On the origin of cosmological magnetic fields
[DE90-017617] 02 p0291 N91-11634
Numerical study of compressible magnetoconvection with an open transitional boundary
[DE91-000148] 02 p0294 N91-11651
Nonlinear magnetosonic waves in an inhomogeneous plasma 06 p0924 N91-15110
Summary of the International Dawson Symposium on The Physics of Plasmas
[DE91-006912] 11 p1802 N91-19897
Toroidal plasma reactor with low external magnetic field
[DE91-011522] 17 p2869 N91-25870
Toroidal plasma reactor with low external magnetic field
[DE91-011522] 17 p2869 N91-25870
IFS numerical laboratory tokamak
[DE91-011832] 17 p2870 N91-25873
Self-similar evolution of nonlinear magnetic buoyancy instability 20 p3411 N91-28913
Electrostatic particle simulations of density and temperature driven modes in a toroidal plasma
20 p3412 N91-28915
A mesoscopic linear accelerator driven by superintense subpicosecond laser pulses
[DE91-015941] 21 p3580 N91-29913
Excitation of nonlinear wake field in a plasma for particle acceleration
[DE91-017386] 24 p4106 N91-32945

TAJIMA, TERUHIKO
Soft x ray emission and diagnosis from fiber pinch and conductive thin film liner compression plasma
19 p3248 N91-27964

TAKABE, H.
Hydrodynamic instabilities in laser driven implosion
20 p3409 N91-28897
Turbulent mixing due to Rayleigh-Taylor instability in laser driven implosion 20 p3412 N91-28914

TAKACS, P. Z.
The specification of glancing incidence mirrors in terms of system performance
[DE91-007556] 11 p1799 N91-19873
The specification of glancing incidence mirrors in terms of system performance
[DE91-007564] 11 p1799 N91-19874

TAKACS, PETER Z.
In search of the elusive true surface
[DE91-001110] 04 p0583 N91-13253
Scattering by anisotropic grains in beryllium mirrors
[DE91-001724] 06 p0873 N91-14826

TAKACZ, P.
Imaging performance and tests of soft x ray telescopes
[DE91-007557] 12 p2000 N91-21010

TAKADA, H.
X ray radiation from a gas-puff z-pinch plasma
19 p3249 N91-27971

TAKADA, NOBORU
An antenna-pointing mechanism for the ETS-6 K-band Single Access (KSA) antenna 16 p2640 N91-24609

TAKAGI, NOBUYUKI
The electric field change caused by a ground flash with multiple channels 24 p4054 N91-32647

TAKAGI, SHOHEI
Evaluation of flow quality in newly constructed low-turbulence calibration wind-tunnel for laser velocimeters
[NAL-TR-1054] 01 p0014 N91-10087
Slant hot-wire inclination measurement using dual laser beams
[NAL-TR-1078] 13 p2088 N91-21491

TAKAGI, Y.
Dynamic fracture responses of Al2O3, Si3N4, and SiC(w)/Al2O3
[AD-A235286] 18 p2942 N91-26229

TAKAGISHI, K.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015

TAKAHASHI, H.
Radiation-induced microstructural development and microchemical changes in Fe-Cr-Mn-Ni solute-bearing alloys
[DE90-016359] 01 p0027 N91-10160
Standardization program for fracture evaluation of Functionally Gradient Material (FGM) of very high temperature application 03 p0333 N91-11862

TAKAHASHI, K.
The magnetospheric response to 8-minute period strong-amplitude upstream pressure variations
[AD-A228038] 08 p1179 N91-16489
The 1983 tail-era data series. Volume 4: GOES 5 and GOES 6 geosynchronous magnetic field data
[NASA-TM-105040] 22 p3773 N91-31044
PROMIS series. Volume 7: GOES 5 and GOES 6 geosynchronous magnetic field data for March - June 1986
[NASA-TM-105072] 22 p3774 N91-31049

TAKAHASHI, MARC D.
A flight-dynamic helicopter mathematical model with a single flap-lag-torsion main rotor
[NASA-TM-102267] 11 p1639 N91-19041

TAKAHASHI, MASAHIRO
Numerical study on injected jet into a supersonic flow
04 p0452 N91-12525

TAKAHASHI, PATRICK K.
Hydrogen from renewable resources research
[DE91-005038] 09 p1355 N91-17441

TAKAHASHI, S.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography
[DE91-727527] 06 p0806 N91-14451

TAKAHASHI, T.
Second harmonic properties of aromatic Schiff's bases functionalized in the side chains of polymethylmethacrylate
[AD-A235857] 19 p3139 N91-27346
Langmuir-Blodgett films of aromatic Schiff's bases functionalized in the side chains of polymethacrylate
[AD-A235858] 19 p3139 N91-27347

TAKAHASHI, TADAYASU
Difference scheme of Boltzmann-Godunov type
04 p0465 N91-12606

TAKAHASHI, TAICHI
General flow of image data processing
01 p0060 N91-10358

TAKAHASHI, TARO
CO2 measurements along the WOCE P-16 and 19 sections in the South Pacific Ocean: A joint LDGO/WHOI program
[DE91-015742] 21 p3547 N91-29708

TAKAHASHI, TATSUO
Command subsystem 01 p0058 N91-10346

TAKAHASHI, TORU
Studies on relaxation behavior of corona poled aromatic dipolar molecules in a polymer matrix
[AD-A226512] 04 p0509 N91-12827
Comb-like polymers containing NLO active pendant groups
[AD-A226514] 04 p0509 N91-12829

TAKAHASHI, Y.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970

TAKAHASHI, YOSHIYUKI
Study of particle correlations in high energy S + Pb and Pb + Pb interactions with a magnetic-interferometric-emulsion-chamber
[DE91-014355] 21 p3577 N91-29897

TAKAHATA, K.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937

TAKAHATA, KIYOTO
Cross section for production of excited hydrogen atoms following dissociative excitation of molecular hydrogen by electron impact
[DE91-745035] 11 p1796 N91-19852

TAKAHIRA, MIKINARI
Rarefied gas numerical wind tunnel 6: Delta wing
24 p3944 N91-32039

TAKAI, MASAMI
A new architecture and expert system for aircraft design synthesis 15 p2373 N91-23132

TAKAKU, SABURO
Telemetry subsystem 01 p0058 N91-10345

TAKAKUDA, KAZUO
Studies on the testing method of carbon fiber reinforced plastics: Compression, shear and impact tests
10 p1493 N91-18219

TAKAKURA, YOKO
Turbulence models for transonic flows with separation
04 p0452 N91-12519
On the numerical simulations of flow around a body of complex configurations 04 p0457 N91-12557
On a new difference scheme-ATVD2
04 p0466 N91-12609
On the computation of viscous flows around a three-dimensional wing 04 p0468 N91-12623

TAKAMARU, H.
Study of kink instability and current relaxation by three dimensional macroscale particle simulation
20 p3412 N91-28919
Macroscale implicit, electromagnetic particle simulation of inhomogeneous and magnetized plasmas in multi-dimensions
[NIFS-91] 24 p4104 N91-32929

TAKAMI, H.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015

TAKAMIZAWA, K.
Feasibility study of a synthesis procedure for array feeds to improve radiation performance of large distorted reflector antennas
[NASA-CR-187954] 10 p1513 N91-18329

TAKAMUKU, K.
Weak links within a Bi2Sr2Ca1Cu2O(x) single crystal by magnetization and direct optical observations
[DE91-016085] 23 p3933 N91-31979

TAKAMURA, MORIYUKI
The software system on parallel processor for computational fluid dynamics 13 p2068 N91-21388

TAKANASHI, SUSUMU
Numerical simulation of flow fields around an airplane of complex geometries 04 p0455 N91-12544
Comparative study on wing pressure distribution of high speed jet airplane between numerical simulation and flight test 04 p0456 N91-12550
Numerical simulation of transonic flows over Boeing-747 and its validation by comparison with experimental data
04 p0456 N91-12551
Aerodynamic simulation of flows about a space-plane 3 04 p0457 N91-12556
Upwind differencing for viscous flow computations
04 p0467 N91-12614
Navier-Stokes simulations of a winged vehicle using upwind scheme 04 p0467 N91-12615
Numerical simulations of aerodynamical contribution of flows about a space-plane 04 p0467 N91-12616
Large-scale numerical aerodynamic simulations for complete aircraft configurations
[NAL-TR-1073-T] 08 p1090 N91-15984
Aerodynamic design of non-planar wing by inverse method with Navier-Stokes equation
24 p3945 N91-32045
Navier-Stokes simulation for complete aircraft configuration 24 p3945 N91-32046
Numerical simulation analysis of sidewall effects in two-dimensional wind tunnels 24 p3945 N91-32050

TAKANASHI, WAKO
Study of accuracy and performance of modified Euler scheme with finite element method on flow problem
04 p0458 N91-12560

TAKANO, MASANORI
Numerical simulations of unsteady shock reflection processes by a ramp 08 p1139 N91-16267

TAKANO, Y.
Interpretation of satellite-measured bidirectional reflectance from Cirrus cloudy atmospheres
01 p0079 N91-10470

TAKANSHI, SUSUMU
A new algorithm for generating block-structured grid and its application to complex aircraft configurations
04 p0455 N91-12543

TAKASAWA, KINGO
A consideration on flight paths for microwave-powered airplanes
[NAL-TR-1051] 01 p0009 N91-10053
Wind tunnel test of a propeller working in a low Reynolds number range
[NAL-TR-1071] 13 p2020 N91-21112

TAKASE, Y.
Annealing effects on phase 1 poly(vinylidene fluoride)
[AD-A236741] 19 p3142 N91-27366

Discharge poling and poly(vinylidene fluoride) films
[AD-A236810] 19 p3143 N91-27368
Effects of annealing on the polarization switching of phase 1 poly(vinylidene fluoride)
[AD-A237015] 19 p3143 N91-27371
High temperature characteristics of Nylon-11 and Nylon-7 piezoelectrics
[AD-A236809] 19 p3160 N91-27468
Ferroelectric polarization switching in nylon 11
[AD-A236985] 19 p3161 N91-27475
Effect of TCP doping on the remnant polarization in uniaxially oriented poly(vinylidene fluoride) films
[AD-A237001] 20 p3322 N91-28388

TAKASUGI, K.
X ray radiation from a gas-puff z-pinch plasma
19 p3249 N91-27971

TAKAYAMA, KAZUYOSHI
Numerical simulation of shock wave emanating from a square shock tube 24 p3947 N91-32061

TAKAYANAGI, HIROSHI
A study on prediction of life due to creep behavior in CF/EPOXY and CF/PEEK laminates
11 p1674 N91-19226

TAKEDA, HARUNORI
Simulation of APLE photoinjector
[DE91-018048] 24 p4025 N91-32493

TAKEDA, HIDEAKI
Modeling design processes
[CWI-CS-R9059] 17 p2840 N91-25697

TAKEDA, HIROKI
ADS (Automatic Dependent Surveillance) PET (Pacific Engineering Trial) program in Japan
24 p3955 N91-32100
Satellite data link research and development program in Japan 24 p3956 N91-32108

TAKEDA, KATSUMI
The reduction of cavity noise at subsonic speeds
[NAL-TR-1081] 17 p2860 N91-25815

TAKEDA, N.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298

TAKEI, A.
Suppression of magnetic surface breaking by simple extra coils in a finite beta equilibrium of helical system
[NIFS-76] 17 p2866 N91-25848
Equilibrium beta limit of helical systems
20 p3408 N91-28894

TAKEI, K.
Characteristics of lithium/polyaniline battery and change in polyaniline morphology
[DE91-736785] 09 p1328 N91-17297
Evaluation of cathode materials for high energy lithium secondary batteries
[DE91-764240] 15 p2417 N91-23385

TAKENS, R. J.
Orbital variability in the UV spectra on the massive x ray binary HD153919/4U1700-37
09 p1440 N91-17936

TAKEUCHI, A.
X ray radiation from a gas-puff z-pinch plasma
19 p3249 N91-27971

TAKEUCHI, E.
Manufacture and evaluation of Li/BCX DD cells
[NASA-CR-185610] 04 p0517 N91-12874

TAKEUCHI, HISAO
Application of 3-D Navier-Stokes computation to turbine vane design 24 p3948 N91-32069

TAKEUCHI, KIYOSHI
PALLAS-1D(V3): Variable-dimension version of PALLAS-1D(7)
[DE90-513756] 04 p0557 N91-13088

TAKEUCHI, NOBORU
First-principles study of the contractive reconstruction of gold and silver monolayers on gold, silver, and aluminum
[DE91-006692] 10 p1610 N91-18884

TAKEUTI, TOSIO
The electric field change caused by a ground flash with multiple channels 24 p4054 N91-32647

TAKEYAMA, MASAO
Microstructure and hardness of NiAl/Ni2AlX two-phase ordered intermetallic alloys
[DE91-012068] 18 p2958 N91-26323

TAKI, NOBUYUKI
Outline of the GMS telecommunication system
01 p0057 N91-10339

TAKI, SHIRO
Numerical simulation of high-speed combustion induced by oblique shock wave 04 p0452 N91-12524

TAKIGAWA, M.
Copper NMR and hole depletion in the normal state of Y(1-x)Pr(x)Ba2Cu3O7
[DE90-016468] 01 p0130 N91-10768

TAKIYAMA, K.
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771

TAKIZAWA, MINORU
Wind tunnel test of redundant vane-type flow-direction sensing systems
[NAL-TM-590] 01 p0010 N91-10057

TAKIZUKA, T.
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931

TAKLE, E.
Study on observational systems: A review of meteorological and oceanographic education in observational techniques and the relationship to national facilities and needs
[PB91-198168] 24 p4070 N91-32739

TAKLE, E. S.
A three-dimensional numerical simulations of mesoscale flow over KSC/CC area of Florida
[DE91-017445] 24 p4071 N91-32743

TAKRITI, S.
Preparation and characterisation of LaBaCaCu3O(x) and La(1.3)Ba(1.7)Cu3O(x)
[DE91-615673] 12 p1985 N91-20924

TAKTAKISHVILI, A. L.
A new model of spicule formation in the Sun chromosphere 06 p0916 N91-15051
Bursts of energetic protons in the Earth's magnetotail
06 p0917 N91-15058

TALAVERA, A.
Possible very extended envelopes around red supergiants 09 p1436 N91-17912
The USSP/ULDA project 09 p1447 N91-17983

TALAY, THEODORE A.
Parametric trade studies on a Shuttle 2 launch system architecture
[NASA-TP-3059] 10 p1484 N91-18180

TALBI, E.-G.
Statistical process allocation in a parallel processing architecture
[RR-833-I] 15 p2489 N91-23779

TALBOT, D. E. J.
Hydrogen in aluminium and its alloys
04 p0504 N91-12796

TALBOT, L.
Opposed jet turbulent diffusion flames
[AD-A227048] 06 p0805 N91-14446

TALIA, J. E.
Study of precipitation and deformation characteristics of the aluminum-lithium alloy by x ray double crystal diffractometry
[NIAR-90-25] 09 p1312 N91-17200
Superplasticity study of 1420 and 1421 Al-Li alloys
[NIAR-91-12] 14 p2246 N91-22427
Stretch formability of sheets of Al-Li alloys, part 2
[NIAR-91-10] 14 p2246 N91-22428
Effects of surface generated scratches on the fatigue life of Al-Li alloys, part 1
[NIAR-91-9] 14 p2246 N91-22429
X ray rocking curve analysis of aging and deformation characteristics in Al-Li alloys
[NIAR-91-5] 14 p2247 N91-22431

TALIA, JORGE E.
The effect of paint removal by natural bead blasting on the surface morphology of composite materials
[NIAR-90-24] 07 p0972 N91-15335
Use of natural particles for the removal of paint from aeronautical composite materials
10 p1454 N91-18015
Effects of induced surface scratches on the fatigue of aeronautical materials 10 p1454 N91-18017
Study of the aging and deformation characteristics of Al-Li alloys by x-ray analysis 10 p1455 N91-18018
Assessment of material parameters governing the plastic deformation in uniaxial tension of Al-Li alloys
10 p1455 N91-18019
Feasibility study in crack detection in aircraft stiffened panels by pulse probing and deconvolution
16 p2554 N91-24158
The effect of surface generated scratches on the fatigue life of aerospace materials 16 p2554 N91-24159
Mechanical paint removal techniques for composite aircraft 16 p2555 N91-24163

TALJA, HELI
Evaluation of catastrophic failure risk in pressure vessels. Results of pressure vessel test with a large vessel (HC2-test)
[VTT-RR-708] 15 p2446 N91-23551

TALLANT, D. R.
Adhesion between CVD diamond films and tungsten
[DE91-013757] 20 p3329 N91-28434
Structure of icosahedral borides by Raman spectroscopy
[DE91-010872] 21 p3473 N91-29260

TALLERICO, P. J.
High-current relativistic klystron amplifier development for microsecond pulse lengths
[DE91-011409] 17 p2771 N91-25332
Fields and trajectories in the magnicon
[DE91-013070] 20 p3339 N91-28492

TALLEY, ROBERT L.
Twenty first century propulsion concept
[AD-A237853] 21 p3466 N91-29224

TALLMAN, C. R.
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486

TALLON, JOHN M.
Photovoltaic system criteria documents. Volume 2: Quality assurance criteria for photovoltaic applications
[NASA-CR-183317] 12 p1918 N91-20553
Photovoltaic system criteria documents. Volume 4: Review criteria for photovoltaic applications
[NASA-CR-183319] 12 p1919 N91-20554
Photovoltaic system criteria documents. Volume 6: Criteria for auditing photovoltaic system applications and experiments. Revision A
[NASA-CR-183321] 12 p1919 N91-20555
Photovoltaic system criteria documents. Volume 1: Guidelines for evaluating the management and operations planning of photovoltaic applications
[NASA-CR-183316] 12 p1919 N91-20556
Photovoltaic system criteria documents. Volume 3: Environmental issues and evaluation criteria for photovoltaic applications
[NASA-CR-183318] 12 p1919 N91-20557
Photovoltaic system criteria documents. Volume 5: Safety criteria for photovoltaic applications
[NASA-CR-183320] 12 p1919 N91-20558

TALLONE, L.
Microgravity tests on Spacelab water and freon pumps
07 p0959 N91-15275

TALMAGE, G.
Turbulence and the feasibility of self-cooled liquid-metal blankets for fusion reactors
[SER-10/P-REV] 15 p2510 N91-23910

TALMY, INNA G.
Low temperature synthesis of high purity monoclinic celsian using topaz
[AD-D014712] 10 p1502 N91-18263
Low temperature synthesis of high purity monoclinic celsian
[AD-D014715] 10 p1502 N91-18264
Rigid mullitewhisker felt and method of preparation
[AD-D014648] 11 p1674 N91-19225

TALOTTA, NICHOLAS J.
Operational evaluation of initial data link air traffic control services. Volume 2: Appendices
[DOT/FAA/CT-90/1-VOL-2] 01 p0006 N91-10033

TALPALLIKAR, M. V.
A CFD study of jet mixing in reduced flow areas for lower combustor emissions
[NASA-TM-104411] 15 p2382 N91-23185
CFD analysis of jet mixing in low NOx flametube combustors
[NASA-TM-104466] 18 p2926 N91-26146

TALPALLIKAR, MILIND V.
Rapid mix concepts for low emission combustors in gas turbine engines
[NASA-CR-185292] 11 p1640 N91-19048

TALUKDAR, B.
Continuum states of the Klein-Gordon equations for vector and scalar interactions
[DE90-627178] 01 p0117 N91-10693

TALVACCHIO, J.
Superconducting electronic film structures
[AD-A233473] 16 p2695 N91-24920

TALWAR, SANJIV
Stochastic dynamics and bifurcation behavior of nonlinear nonconservative systems in the presence of noise
[AD-A228923] 09 p1392 N91-17662

TAM, CHRISTOPHER
Computation of broadband mixing noise from turbomachinery
[AD-A226559] 05 p0711 N91-13969
Computation of broadband mixing noise from turbomachinery
[AD-A233991] 18 p3056 N91-26878

TAM, DAVID C.
A study of neuronal properties, synaptic plasticity, and network interactions using a computer reconstituted neuronal network derived from fundamental biophysical principles
[AD-A230476] 12 p1927 N91-20605
A study of neuronal properties, synaptic plasticity, and network interactions using a computer reconstituted neuronal network derived from fundamental biophysical principles
[AD-A230477] 12 p1927 N91-20606

TAM, HON YUEN
Minimum time feedback control of articulated robotic manipulators 02 p0218 N91-11219
TAM, KWA-SUR
An EMTP system level model of the PMAD DC test bed
[NASA-TM-104515] 19 p3114 N91-27206
TAMAI, H.
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
TAMANO, TERUO
Pulsed plasmoid electric propulsion 14 p2200 N91-22151
Simulation study of toroidal phase-locking mechanism in reversed-field pinch plasma
[NIFS-78] 17 p2866 N91-25850
Simulation study of MHD relaxation and reconnection processes 20 p3411 N91-28908
TAMARGO, M. C.
Excitons in semiconducting superlattices, quantum wells, and ternary alloys
[DE90-017287] 01 p0132 N91-10779
TAMMELA, E.
The effects of air temperature and other indoor climate factors on work productivity
[DE91-771954] 19 p3214 N91-27767
TAMURA, ATSUHIRO
A numerical analysis of the flow in a cascade with tip clearance 04 p0454 N91-12536
Numerical simulation of the flowfield through a turbine blade row with tip clearance 04 p0454 N91-12537
Design of ultra high bypass fan with numerical solution of Navier-Stokes equations 04 p0469 N91-12628
Unsteady flow analysis in two-dimensional compressor cascade 24 p3947 N91-32064
Navier-Stokes computations of three-dimensional turbine cascade flows 24 p3948 N91-32068
Application of 3-D Navier-Stokes computation to turbine vane design 24 p3948 N91-32069
TAMURA, HIROSHI
Hot gas side heat transfer characteristics of LOX/H2 and LOX/HC type propellants
[NAL-TR-1062T] 01 p0032 N91-10190
Numerical analysis of heat transfer in a pipe rotating around a perpendicular axis 04 p0454 N91-12532
Developing laminar flow and heat transfer in orthogonally rotating square ducts 24 p3946 N91-32054
TAMURA, M.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography
[DE91-727527] 06 p0806 N91-14451
A two micron polarization survey toward dark clouds 06 p0896 N91-14952
TAMURA, MANABU
Fabrication of the Functionally Gradient Materials (FGM): The state of the art 03 p0328 N91-11827
TAMURA, TOSHIHIRO
Effects of neutron irradiation on low temperature strength of aluminum alloys and their electron beam welded joints
[DE91-744817] 12 p1869 N91-20267
TAN, A.
Model of Jovian F region ionosphere (Jovian ionosphere model in offset dipole approximation)
[NASA-CR-187683] 07 p1085 N91-15968
Model of Jovian F region ionosphere (Saturnian ionosphere in offset dipole approximation)
[NASA-CR-188780] 22 p3775 N91-31057
TAN, C. C.
Li-SF6 combustion in stored chemical energy propulsion systems
[AD-A224846] 03 p0337 N91-11888
TAN, CHIN AN
Dynamics of axially moving continua coupled to viscous fluid layers 09 p1333 N91-17324
TAN, CHOON S.
Computational study of three dimensional viscous flow through a turbine cascade using a multi-domain spectral technique 13 p2012 N91-21066
TAN, RICHARD B.
Prefix routing schemes in dynamic networks
[RUU-CS-90-10] 04 p0568 N91-13154
Perfect colorings
[RUU-CS-90-35] 23 p3910 N91-31831
TAN, ROBERT J.
Spike leakage and burnout of silicon PIN diode microwave limiters
[AD-A238392] 21 p3507 N91-29471
TAN, S. C.
Application of a water droplet trajectory prediction code to the design of inlet particle separator anti-icing systems 23 p3793 N91-31159
TAN, T. H.
Hypervelocity plate acceleration
[DE91-014738] 20 p3287 N91-28179
TAN, W. S.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 5, Tasks 4, 5, and 7: Software development and GN and C processor development
[AD-A225127] 04 p0475 N91-12651
TAN, XIANXIANG
WPG-30 model microprocessor controlled rotating beryllium mirror scanning camera and its applications
[AD-A234802] 18 p2987 N91-26493
TAN, Y. M.
The effect of negative Poisson's ratio on the fracture behavior of composite laminates
[NIAR-90-30] 07 p0972 N91-15336
Analysis of residual stress in plastic-media-blasted thin aluminum skin by x-ray double crystal diffractometry 10 p1454 N91-18016
A comparison of corrosion fatigue properties of 6013 bare, alclad 2024 bare aluminum alloy sheet materials
[NIAR-91-8] 14 p2247 N91-22430
TAN, YANG M.
Supporting reuse and evolution in software design
[AD-A228782] 08 p1205 N91-16624
TANABE, K.
Study on propagation characteristics of electromagnetic wave in underground, part 1
[DE91-742146] 10 p1513 N91-18331
TANABE, TATSUHIKO
Effects of environment and aging on creep properties of Alloy 800H
[DE90-520207] 02 p0197 N91-11106
TANAKA, AKIRA
JEM ground control system 14 p2211 N91-22210
TANAKA, ATSUSHIGE
A numerical simulation for supersonic intake 04 p0454 N91-12535
Present and future of CFD on the aero-engine development in IHI 13 p2067 N91-21381
TANAKA, G.
Magneto-optical record media
[DE91-017838] 24 p4022 N91-32476
TANAKA, GRANT
Optical Fiber Backscatter Signature Generator (OFBSG)
[AD-D014668] 11 p1798 N91-19870
TANAKA, K.
Solvable two-dimensional supersymmetric models and the supersymmetric Virasoro algebra
[DE90-012140] 08 p1209 N91-16648
TANAKA, K. L.
Magnetostratigraphy of the San Francisco volcanic field, Arizona
[PB91-190306] 22 p3706 N91-30629
TANAKA, KEIJI
Flight evaluation test of the PAPI (Precision Approach Path Indicator) System
[NAL-TM-592] 02 p0167 N91-10966
Flight simulator evaluation test of multi-functional display unit
[NAL-TM-596] 02 p0182 N91-11026
TANAKA, KEIKO
AVHRR/NOAA imagery navigation from the geodetic reference matrix: Studies and evaluations
[INPE-5216-PRE/1672] 13 p2022 N91-21126
TANAKA, KENNETH L.
What were the effects of the formation of the Borealis basin, Mars 11 p1822 N91-20014
TANAKA, KOHEI
The CFD analysis related aerospace in Fuji Heavy Industries, Ltd. 13 p2067 N91-21383
TANAKA, M.
A design method of divertor in tokamak reactors
[NIFS-36] 02 p0273 N91-11532
Macroscale implicit, electromagnetic particle simulation of inhomogeneous and magnetized plasmas in multi-dimensions
[NIFS-91] 24 p4104 N91-32929
TANAKA, MOTOHIKO
The 3-D electromagnetic macroscale particle simulation of inhomogeneous, magnetized plasmas 20 p3412 N91-28918
Study of kink instability and current relaxation by three dimensional macroscale particle simulation 20 p3412 N91-28919
TANAKA, NORI
Profiles of alpha 13 C and alpha D in methane from the lower stratosphere 17 p2799 N91-25487
TANAKA, S.
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
Weak links within a Bi2Sr2Ca1Cu2O(x) single crystal by magnetization and direct optical observations
[DE91-016085] 23 p3933 N91-31979
TANAKA, SHOJI
Specific heat of YBa2Cu4O8 near Tc
[DE91-005898] 10 p1605 N91-18853
TANAKA, SHUN-ICHI
PALLAS-1D(V3): Variable-dimension version of PALLAS-1D(7)
[DE90-513756] 04 p0557 N91-13088
TANAKA, T.
Charge discharge characteristic of Li/MoS2 multicell including an overcharged cell and an overdischarged cell
[DE91-742132] 10 p1520 N91-18369
Research and development of lithium/polyacenic semiconductor (PAS) battery for load conditioner use
[DE91-742134] 10 p1520 N91-18370
Development of Nb3Sn ac superconductor, part 1
[DE91-742150] 10 p1609 N91-18880
TANAKA, TERUO
CFD simulation on a massively parallel processor 13 p2068 N91-21387
TANAKA, TETSUYA
On the parallel processing of Direct Simulation Monte Carlo method 24 p3943 N91-32037
TANAKA, TOSHIHARU
VISSR demodulate and processing subsystem 01 p0058 N91-10342
TANAKA, TOSHIKATU
Evaluation of a lithium secondary battery for load-conditioner use: Extending the Li/Mo2 cell life cycle
[DE91-736736] 09 p1328 N91-17295
Evaluation of lithium secondary battery for load-conditioner use: Performance and characteristics of molybdenum sulfides (Li/MoS2), improved molybdenum sulfides (Li/MoS2 and Li/Mo6S8), and manganese dioxide (Li/MnO2) cells
[DE91-736737] 09 p1328 N91-17296
TANAKA, W.
Laser obstacle and cable update sensor 07 p0943 N91-15189
TANAKA, Y.
Experimental study on mercury heat pipes (on effect of screen mesh wick under bottom heat mode) 08 p1141 N91-16280
Space research programme of Japan 09 p1432 N91-17884
TANAKA, YOSHINORI
Numerical simulation of thermal convection in a rectangular duct flow 24 p3947 N91-32062
TANCA, L.
Efficient retrieval of class extensions in object-oriented databases
[REPT-91-019] 22 p3767 N91-31001
Concurrency in deductive object-oriented databases
[REPT-91-020] 22 p3767 N91-31002
TANDBERG-HANSSEN, EINAR
The ultra high resolution XUV spectroheliograph: An attached payload for the Space Station Freedom
[NASA-CR-184156] 14 p2235 N91-22365
TANDON, S. N.
Far-infrared observations of Circinus and NGC 4945 galaxies 05 p0740 N91-14131
Dust in a few southern H II regions 06 p0895 N91-14943
Distribution of dust in W31 complex 06 p0895 N91-14944
TANEMURA, STEVE K.
Generic linear microcircuit test requirements
[AD-A236421] 19 p3159 N91-27483
TANENBAUM, ANDREW S.
Amoeba: A distributed operating system for the 1990's
[CWI-CS-R9004] 07 p1050 N91-15766
TANG, ANDREW C.
Discretized light-cone quantization: Application to quantum electrodynamics
[DE90-014832] 01 p0133 N91-10790
TANG, C. M.
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
Key physics issues affecting the performance of free electron lasers
[AD-A229992] 12 p1903 N91-20467
The impact of the three-wave instability on the spiral line induction accelerator
[AD-A229758] 12 p1979 N91-20888
Recent advances in free electron laser theory
[AD-A236826] 19 p3172 N91-27537
Evolution of a finite pulse of radiation in a high-power free-electron laser
[AD-A237427] 21 p3523 N91-29568
TANG, CHA-MEI
Free electron lasers
[AD-A230817] 13 p2092 N91-21519
TANG, D.
Fiber-optic sensors for aerospace electrical measurements: An update
[NASA-TM-104454] 17 p2779 N91-25381

TANG, DE-MING
Excited state structure, energy and electron transfer dynamics of photosynthetic reaction centers: A hole burning study
[DE91-010181] 15 p2472 N91-23693
TANG, H. C.
Boussinesq algorithm for enclosed bouyant convection in two dimensions
[PB91-178848] 20 p3342 N91-28507
TANG, I. N.
Chemical characterization of aerosol particles by Raman spectroscopy
[DE91-015836] 23 p3892 N91-31720
TANG, JANE
ARTIST tape output formats
[AD-A235173] 18 p3012 N91-26633
TANG, JAU
The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752
TANG, JING
Adaptive control of pneumatic actuation systems
19 p3233 N91-27875
TANG, JINKE
Physical metallurgy and magnetic behavior of Cd stabilized bcc (beta) Gd alloys
[DE91-000196] 02 p0199 N91-11112
TANG, P. K.
A study of the impact of reaction rates on equation of state
[DE91-013375] 20 p3361 N91-28621
TANG, PIER K.
Transition state theory applying to the study of reaction processes in detonation
[DE90-016558] 01 p0032 N91-10187
TANG, PING TAK PETER
Table-lookup algorithms for elementary functions and their error analysis
[DE91-006047] 15 p2483 N91-23743
TANG, S.
Ion beam modifications of near-surface compositions in ternary alloys
[DE91-006035] 09 p1315 N91-17217
TANG, TIAN-SHEN
Optimal control of a class of nonlinear distributed parameter systems 16 p2674 N91-24803
TANG, W. M.
Kinetic microinstability transport properties in tokamaks 10 p1597 N91-18810
TANG, W. P.
An automatic ordering method for incomplete factorization iterative solvers
[DE91-001974] 08 p1210 N91-16659
TANG, WAI-CHEUNG
Dielectric image-resonator multiplexer
[PATENT-1-252-835] 23 p3853 N91-31479
TANG, X.
Polyaniline: Inter-relationship between ultra-structure and properties
[AD-A236993] 19 p3143 N91-27370
TANG, X. X.
Excess oxygen defects in layered cuprates
[DE90-017669] 02 p0278 N91-11565
TANG, Y.
Sloshing response in a tank containing two liquids
[DE91-011844] 18 p2986 N91-26487
TANGA, A.
High performance H modes in JET
[DE91-005488] 13 p2156 N91-21883
TANGE, AKIHIKO
Telemetry subsystem 01 p0058 N91-10345
TANGLER, J.
Atmospheric performance of the special-purpose Solar Energy Research Institute (SERI) thin-airfoil family: Final results
[DE90-000373] 02 p0230 N91-11287
TANGLER, J. L.
Horizontal axis wind turbine post stall airfoil characteristics synthesization
[DE91-002198] 21 p3536 N91-29650
TANGUAY, ARMAND R., JR.
Photonic materials and devices for optical information processing and computing applications
[AD-A232771] 15 p2510 N91-23907
TANI, K.
Effect of radial electric field on alpha-particle loss in tokamaks
[NIFS-66] 10 p1603 N91-18842
TANI, KOUICHIRO
Experiment on a rectangular cross section Scramjet combustor
[NAL-TR-1068] 12 p1842 N91-20127
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
TANI, TAKASHI
Active control of vortex shedding frequency by a splitter plate 24 p3946 N91-32059
TANI, YASUHIRO
Navier-Stokes simulation of transonic flow around ventilated airfoils 04 p0466 N91-12611
TANI, YOSUHIRO
Blended wing-body configuration design using transonic inverse code 24 p3945 N91-32047
TANIGUCHI, YOSHIAKI
Circumnuclear molecular gas in starburst and Seyfert galaxies 05 p0738 N91-14120
Circumnuclear ionized gas in starburst nuclei
05 p0744 N91-14148
Wing galaxies: A formation mechanism of the clumpy irregular galaxy Markarian 297 08 p1265 N91-16963
TANIOKA, TADAYUKI
Status and outlook of CFD technology at Mitsubishi Heavy Industries, Nagoya 13 p2067 N91-21384
TANIS, J. A.
Correlated charge-changing ion-atom collisions
[DE91-013640] 20 p3403 N91-28863
TANIUTI, T.
Shock and soliton structures induced by poloidal flow in tokamaks 20 p3414 N91-28929
TANK, MING H.
National Aero-Space Plane (NASP) program
20 p3294 N91-28214
TANKE, R. H. J.
Experiments on the high-temperature behaviour of neutron-irradiated uranium dioxide and fission products, volume 8, number 1
[ST-REPT-VOL-8-NO-1] 14 p2324 N91-22840
TANKESLEY, LAWRENCE
A narrow-bandwidth unstable resonator laser cavity
[AD-D014865] 18 p2989 N91-26505
TANNEHILL, J. C.
Numerical computation of viscous flow about unconventional airfoil shapes
[NASA-CR-187343] 01 p0004 N91-10019
TANNENBAUM, ALLEN
Advanced topics in robust control. Volume 2: Invariants and structured singular values
[AD-A225219] 03 p0409 N91-12285
TANNENBAUM, D.
Scanning tunneling microscopy studies of the surfaces of a-Si:H and a-SiGe:H films
[DE91-002169] 21 p3592 N91-29983
TANNENBAUM, M. J.
Summary of discussions at the HIGH p (sub T) session
[DE91-008196] 11 p1795 N91-19848
TANNER, D. B.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
A proposed search for dark-matter axions in the 0.6-16 micro-eV range
[NASA-CR-188173] 15 p2529 N91-24015
TANNER, JOHN A.
Computational methods for frictionless contact with application to Space Shuttle Orbiter nose-gear tires
[NASA-TP-3073] 14 p2274 N91-22576
TANNER, L. E.
High-resolution electron microscopy observations of athermal omega phase in Ti-Mo alloys
[DE90-017526] 02 p0196 N91-11098
TANNER, R. L.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
Relationships between PAN and ozone at sites in eastern North America
[DE91-011728] 18 p3007 N91-26607
TANNO, K.
Hole dynamics of one-dimensional plasma
20 p3414 N91-28928
TANVEER, S.
Singularities in water waves and Rayleigh-Taylor instability
[NASA-CR-187530] 13 p2079 N91-21455
TAO-GUANG, LI
About the possibilities of using an air mass transformation model in Taiyuan, Shanxi Province, China
[KNMI-TR-120] 01 p0093 N91-10540
TAO, DEYING
Investigation on the projection by a Z-pinch discharge
[DE90-637548] 02 p0275 N91-11544
TAO, Q. H.
Model validity tests for nonlinear signal processing applications
[RR-401] 07 p0996 N91-15468
TAO, RONGJIA
Electro-rheology fluids and liquid fuel flow
[AD-A238600] 21 p3515 N91-29520
TAO, W. C.
The effects of HMX particle size and binder stiffness on the burning mechanism and regression rate of a series of fast burning propellants
[DE91-015785] 21 p3494 N91-29387
Understanding composite explosive energetics
[DE91-015770] 23 p3821 N91-31316
Photography of shock waves in explosive crystals
[DE91-015772] 23 p3867 N91-31572
TAO, WILLIAM C.
Aluminum metal combustion in water revealed by high speed microphotography
[DE90-017525] 02 p0193 N91-11082
Understanding composite explosive energetics. Part 1: The role of metallic additives
[DE90-010692] 10 p1505 N91-18286
TAO, XIAOMING
Development of braided rope seals for hypersonic engine applications. Part 2: Flow modeling
[NASA-TM-104371] 14 p2272 N91-22571
TAO, XIN
Atmospheric responses to lower tropospheric forcing in a multilayer isentropic model
20 p3373 N91-28688
TAPIA, MAURICIO
Three-micron spectroscopy of highly reddened field stars 06 p0888 N91-14904
TAPIA, RICHARD A.
Parallel optimization and inverse problems
[AD-A233371] 16 p2613 N91-24467
TAPLEY, B. D.
Measuring the Lense-Thirring precession using a second Lageos satellite
[NASA-CR-186945] 05 p0626 N91-13470
TAPLEY, BYRON D.
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
TAPLEY, M.
Gradiometry coexperiments to the gravity probe B and step missions
[NASA-CR-187704] 05 p0681 N91-13788
TAPPARO, D. J.
Ice ingestion experience on a small turboprop engine
23 p3794 N91-31162
TAPSCOTT, ROBERT E.
Next-generation fire extinguishing agent. Phase 2: Laboratory tests and scoping trials
[AD-A227347] 06 p0816 N91-14510
Next-generation fire extinguishing agent, phase 3
[AD-A230619] 12 p1880 N91-20333
TARABISHY, NABEEL
Neural networks in flaw detection
10 p1454 N91-18011
TARAGAN, E.
Thermal design and control of space simulation chambers in Israel 07 p0951 N91-15227
TARANIK, JAMES V.
Nature and origin of secondary mineral coatings on volcanic rocks of the Black Mountain, Stonewall Mountain, and Kane Springs Wash volcanic centers, southern, Nevada
[NASA-CR-183493] 24 p4043 N91-32591
TARASENKO, MIKHAIL
Survey of USSR, world space programs
12 p1848 N91-20156
TARASEVICH, B. J.
Synthetic surfaces as models for biomineralization substrates
[DE91-005182] 10 p1505 N91-18282
Biomimetic thin film deposition
[DE91-012485] 20 p3425 N91-28999
TARASEWICZ, R.
Vortex patterns behind airfoils in streamwise oscillation
[AD-A229883] 12 p1829 N91-20049
TARASOV, I. K.
Review of primary medical results of year-long flight on Mir station 18 p2933 N91-26178
Survey of the principal results of medical research in the flight program of the second main expedition aboard the Mir orbiting complex 18 p3022 N91-26686
Vestibular reactions and intersensory interactions in weightlessness: Results of Optokinez experiment
18 p3025 N91-26698
State and forms of adaptation of vestibular function after space flights 18 p3026 N91-26706
TARASSENKO, LIONEL
Analogue computation using VLSI neural network devices
[OUEL-1835/90] 06 p0864 N91-14773
TARBOURIECH, SOPHIE
On the stability of saturated state feedback regulators
[LAAS-91047] 23 p3860 N91-31524

TARDELLI, J. D.
Research and development for Digital Voice Processing (DVP)
[AD-A238280] 21 p3501 N91-29427

TARDIF, P.
Diversity performance in frequency-hopped 8-ary signals-implementation and measurements
[AD-A229986] 12 p1881 N91-20340

TARDIFF, LISA
Ultrasonic evaluation of silicon nitride green bodies
[AD-A237924] 21 p3530 N91-29608

TARDIFF, M. F.
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544

TARDIN, ANTONIO TEBALDI
Detection of mining activities in the Yanomani Indian Reserve through LANDSAT-TM imagery
[INPE-5182-RPE/638] 15 p2456 N91-23609

TARDITI, S.
Vortical flow simulation by using structured and unstructured grids
[ETN-91-99509] 22 p3614 N91-30107

TARDITI, SANDRA
Numerical simulation of viscous turbulent flows past aerospace configurations
[ETN-91-99779] 22 p3614 N91-30103

TARG, RUSSELL
Investigation of airborne lidar for avoidance of windshear hazards 03 p0304 N91-11694
CLASS: Coherent Lidar Airborne Shear Sensor. Windshear avoidance
[LMSC-F-415048] 16 p2552 N91-24141

TARHIO, JORMA
The hierarchy of LR-attributed grammars
[MEMO-INF-91-26] 23 p3912 N91-31840
Attribute evaluation and parsing
[MEMO-INF-91-31] 23 p3912 N91-31841

TARIDE, S.
ISOCAM: The ISO's satellite infra-red camera
[REPT-911-440-104] 15 p2431 N91-23468

TARKER, BARBARA
Computer-based instruction Authoring Tools System (CATS): Student guide
[AD-A225782] 04 p0562 N91-13116

TARNOFF, PHILIP J.
Transportation telecommunications
[PB91-123257] 13 p2069 N91-21399

TARONI, A.
ICRF heating in reactor grade plasmas
[DE91-005491] 13 p2156 N91-21886

TARRANT, A. D.
Metallurgical design of novel metal matrix composites for aerospace applications
[ETN-91-98573] 08 p1107 N91-16077

TARRANT, JANICE M.
Constrained trajectory optimization for kinematically redundant arms
[NASA-CR-183477] 18 p2993 N91-26527

TARREL, RICHARD J.
Non-airborne conflicts: The causes and effects of runway transgressions
[NASA-CR-177372] 13 p2022 N91-21121

TARTAKOVSKY, EVGENY
Structure and conformation of 1,4-dioxans bearing polar substituents
[ITN-90-85034] 07 p1063 N91-15849

TARTBINI, PAUL V.
Aerobraking for capture into Martian orbit 09 p1292 N91-17102

TARTER, J.
Technical considerations on using the large Nancay radio telescope for SETI 03 p0355 N91-11985
Exobiology in Earth orbit: The results of science workshops held at NASA, Ames Research Center
[NASA-SP-500] 06 p0856 N91-14725

TARTT, D. M.
Automated flight test management system
[NASA-CR-186011] 14 p2194 N91-22117
From an automated flight-test management system to a flight-test engineer's workstation
[NASA-TM-104242] 24 p4090 N91-32851

TARVER, C. M.
Uses of Fabry-Perot velocimeters in studies of high explosives detonation
[DE91-000813] 04 p0511 N91-12841
Understanding composite explosive energetics
[DE91-015770] 23 p3821 N91-31316

TARVER, CRAIG M.
Understanding composite explosive energetics. Part 1: The role of metallic additives
[DE90-010692] 10 p1505 N91-18286

TASAKA, KANJI
Developmental assessment of RELAP5/MOD3 code against ROSA-IV/TPTF horizontal two-phase flow experiments
[DE90-513748] 04 p0521 N91-12899

TASHIRO, M.
Experimental study on mercury heat pipes (on effect of screen mesh wick under bottom heat mode) 08 p1141 N91-16280

TASHLIYEV, V. A.
Effect of aminazine on functional state of cardiovascular system during hyperthermia 19 p3211 N91-27750

TASK, HARRY L.
Optical test of the space shuttle overhead windows
[AD-A229919] 12 p1852 N91-20178

TASKER, FREDERICK ABAYOMI
Damping estimation in helicopter rotor stability testing 07 p0944 N91-15176

TASTET, P.
Radiation sensitivity of power MOSFETS 24 p3998 N91-32344

TATARCHENKO, V. A.
Diffuse x ray scattering YBa2Cu3O(6.95) monocrystal
[DE91-615182] 11 p1810 N91-19943

TATARINOV, A. M.
Ultrasonic assessment of human tibia during 370-day antiorthostatic hypokinesia 10 p1562 N91-18591

TATE, ATSUSHI
Coning motion of slender bodies at high angles of attack
[NAL-TR-1059] 13 p2019 N91-21111

TATE, AUSTIN
AI planning: Systems and techniques
[AD-A227626] 07 p1055 N91-15795

TATE, DARREL
Users guide for the conversion of Navy paint spray booth particulate emission control systems from wet to dry operation
[AD-A224737] 03 p0349 N91-11947

TATEM, P. A.
Use of a zone model for validation of a horizontal ceiling/floor vent algorithm
[AD-A234553] 18 p2983 N91-26474

TATEYAMA, C. C.
Continuous millimeter radiation diagnostics of the Carina Nebula, CTB-33 and the Galactic Center
[INPE-5221-TDL/435] 22 p3778 N91-31072

TATRO, D.
Responses of women to orthostatic and exercise stresses
[NASA-TP-3043] 11 p1765 N91-19711

TATSUMI, SHIGEFUMI
Calculations for unsteady aerodynamic characteristics on a 3-D lifting body in subsonic flow using boundary element method
[NAL-TR-1065] 08 p1090 N91-15985

TATSUOKA, KIKUMI
On measures of misconception stability
[AD-A234952] 18 p3051 N91-26847

TATSUOKA, MAURICE
On measures of misconception stability
[AD-A234952] 18 p3051 N91-26847

TATUM, CHARLES P.
Database management system for instrument data management
[DE91-004300] 05 p0731 N91-14084

TAU, ERIC YU
Numerical study of Stokes flows with suspended particles
[DE91-017011] 24 p4016 N91-32455

TAUB, ALAN I.
Rapidly solidified nickel aluminide of improved stoichiometry and ductilization
[PATENT-1-257-987] 23 p3813 N91-31270
Method for imparting strength to intermetallic phases
[PATENT-1-255-929] 23 p3813 N91-31271

TAUBER, D.
The MIT short-wavelength laser project
[DE91-015357] 21 p3525 N91-29582

TAUBER, JAN ALEJANDRO
CO line emission from clumpy molecular clouds: The case of Orion 03 p0436 N91-12442

TAUBER, WOLFGANG
Thermal insulation of a cryogenic tank for a space telescope using a pretensioned suspension of Fiber Reinforced Composite (FRC)
[MBB-UD-0571-90-PUB] 11 p1817 N91-19981

TAUC, JAN
Surfaces and thin films studied by picosecond ultrasonics
[DE91-004167] 05 p0712 N91-13973

TAUCHEN, RUTH
Testing of lead glass detectors for electron proof in the ELAN experiment
[BONN-IR-90-38] 08 p1222 N91-16730

TAUCHER, T.
Inclusion of short-range order in a mean field theory for the disordered magnetic lattice gas
[DE91-617804] 16 p2696 N91-24932

TAUCHI, T.
Simulations on pair creation from beam-beam interaction in linear colliders
[DE91-012315] 20 p3398 N91-28834

TAUDIERE, ISABELLE
Analysis of the VHF-UHF electromagnetic radiation of lightning: Application to a model of the negative stepped leader propagation
[ESA-TT-1172] 15 p2413 N91-23363

TAUSWORTHE, ROBERT C.
A communication channel model of the software process 01 p0105 N91-10610

TAUX, G.
Multi-component laser Doppler anemometers with high-frequency pulsed diode lasers
[ISL-CO-219/89] 03 p0371 N91-12077

TAVADZE, L. F.
Corrosion cracking of steels 03Kh20N18M2D2, 06KhN28MDT under effect of plastic deformation 19 p3132 N91-27308

TAVARESDEMATTOS, JUERCIO
Spot 1: Imagery in geologic mapping: A comparative study with several remote sensing products in the Curaca River Valley, Bahia
[INPE-5136-PRE/1624] 13 p2108 N91-21608

TAVEAU, PIERRE
Development of C/SiC large parts technology for aerospace plane thermal structures 03 p0331 N91-11848

TAVELLA, PATRIZIA
Time scale algorithm: Definition of ensemble time and possible uses of the Kalman filter 17 p2852 N91-25767

TAVERNETTI, LEONARD R.
The C-17: Modern airlifter requirements and capabilities 10 p1467 N91-18090

TAVIK, GREGORY C.
Testing the One-Port Random Access Memory (1PRAM) module of TRW's CPUAX signal processing superchip
[AD-A234127] 18 p3037 N91-26761

TAVROW, LEE S.
Piezoelectric micromotors for microrobots
[AD-A234423] 18 p2978 N91-26446

TAWFIK, HAZEM
Some aspects of robotics calibration, design and control 11 p1826 N91-20035

TAYA, MINORU
Damage accumulation in advanced metal matrix composites under thermal cycling
[AD-A235002] 18 p2942 N91-26227

TAYLOR-HUNT, R. G.
An investigation into the extent and effects of spanwise flow in the boundary layer of a helicopter rotor in hover
[BU-519] 14 p2189 N91-22089

TAYLOR, A. D.
High energy spin waves in iron measured by neutron scattering
[DE91-017868] 24 p4099 N91-32902

TAYLOR, A. J.
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556

TAYLOR, A. P.
Growth condition dependence of RHEED pattern from GaAs(111)B surface
[DE91-014770] 21 p3593 N91-29986

TAYLOR, ANTOINETTE J.
Recent advances in excimer laser technology at Los Alamos
[DE90-016441] 01 p0046 N91-10276

TAYLOR, BARRY N.
Journal of Research of the National Institute of Standards and Technology, January-February 1991, volume 96, number 1
[PB91-184853] 22 p3779 N91-31077

TAYLOR, BILL
Bioregenerative life support 10 p1634 N91-19014

TAYLOR, BLAINE KEITH
Pressure gradient effects on the development of hairpin vortices in an initially laminar boundary layer 08 p1141 N91-16282

TAYLOR, C. D.
Hardening surveillance illumination using aircraft antennas
[AD-A225143] 03 p0356 N91-11992

TAYLOR, C. N.
Computational comparison of efficacies of aeolian vibration damping devices for multiconductor overhead power lines
[BU-411] 11 p1723 N91-19487

TAYLOR, D. F.
Quantitative infrared determination of composition and properties of Borophosphosilicate Glass (BPSG) thin films using multivariate calibration
[DE90-017030] 09 p1319 N91-17243

TAYLOR, D. L.
Underpotential deposition of silver on Pt(111). Part 1: Concentration dependence
[AD-A236692] 19 p3159 N91-27466

TAYLOR, E. M.
Close-range geophotogrammetric mapping of trench walls using multi-model stereo restitution software
[DE91-013105] 20 p3366 N91-28645

TAYLOR, E. R., JR.
Impacts of a nominal nuclear electromagnetic pulse on electric power systems
[DE91-012991] 21 p3497 N91-29401

TAYLOR, E. W.
Preliminary analysis of WL experiment number 701: Space environment effects on operating fiber optic systems 16 p2723 N91-25081

TAYLOR, F. J.
Seismic velocities in the Missionary Plain region: An aid to stratigraphic studies 19 p3192 N91-27652

TAYLOR, F. W.
Proposed reference models for nitrous oxide and methane in the middle atmosphere 19 p3189 N91-27636
Reference model for CH4 and N2O and trends 19 p3189 N91-27637

TAYLOR, G. R.
Geological mapping in the Camel Flat-Allambi region of the Amadeus Basin with the NS001 airborne scanner 19 p3192 N91-27651

TAYLOR, GERALD
Portable dynamic fundus instrument
[NASA-CASE-MSC-21675-1] 05 p0694 N91-13865

TAYLOR, GORDON
Applications of advanced multichannel laser raman spectroscopy to problems in marine chemistry
[AD-A235504] 19 p3171 N91-27533

TAYLOR, HENRY F.
Direct optical to microwave conversion
[AD-A229856] 12 p1980 N91-20892

TAYLOR, HENRY L.
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193

TAYLOR, J. B.
Natural current profiles in a tokamak
[DE91-000128] 02 p0274 N91-11540
Relaxed states with plasma flow
[DE91-008199] 11 p1804 N91-19909
Steady-state dynamo and current drive in a nonuniform bounded plasma
[DE91-014865] 20 p3421 N91-28974

TAYLOR, J. R.
Navigation of a car-like mobile robot using a decomposition of the environment in convex cells
[DE91-000709] 11 p1781 N91-19769

TAYLOR, JOHN
Combined design of structures and controllers for optimal maneuverability 01 p0053 N91-10314

TAYLOR, JOHN G.
Internal performance of a hybrid axisymmetric/nonaxisymmetric convergent-divergent nozzle
[NASA-TM-4230] 06 p0771 N91-14275

TAYLOR, JOHN N.
The Integrated Decision Modeling System (IDMS) user's manual
[AD-A236033] 22 p3726 N91-30736

TAYLOR, K. J.
Ultraviolet photoelectron spectra of gallium arsenide clusters
[AD-A224927] 13 p2047 N91-21261

TAYLOR, KEN
Tutorial guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228402] 10 p1568 N91-18624
User's guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228456] 10 p1569 N91-18625

TAYLOR, LAWRENCE A.
Wanted: Lunar detectives to unravel the mysteries of the Moon! Crime to be solved: Mass extinctions on the Moon by meteorite impact! 11 p1822 N91-20010
Oxygen production processes on the Moon: An overview 17 p2903 N91-26034
Helium abundances on the moon: Assumptions and estimates 17 p2916 N91-26096

TAYLOR, LAWRENCE W., JR.
The 5th Annual NASA Spacecraft Control Laboratory Experiment (SCOLE) Workshop, part 1
[NASA-CP-10057-PT-1] 10 p1486 N91-18186
The 5th Annual NASA Spacecraft Control Laboratory Experiment (SCOLE) Workshop, part 2
[NASA-CP-10057-PT-2] 11 p1656 N91-19122
Fourth NASA Workshop on Computational Control of Flexible Aerospace Systems, part 1
[NASA-CP-10065-PT-1] 14 p2225 N91-22307
PDEMOD: Software for control/structures optimization 14 p2229 N91-22327
Fourth NASA Workshop on Computational Control of Flexible Aerospace Systems, part 2
[NASA-CP-10065-PT-2] 14 p2229 N91-22331
Likelihood estimation for distributed parameter models for NASA Mini-MAST truss 14 p2232 N91-22349

TAYLOR, LEONARD S.
Laser beam phase measurement and control system
[AD-D014853] 16 p2632 N91-24573

TAYLOR, M. A.
Fast, high-resolution x ray microfluorescence imaging
[DE91-010658] 17 p2757 N91-25261

TAYLOR, M. E. C.
The interlaminar shear strength of woven carbon, woven glass and woven carbon/glass hybrid laminates under static and impact loading
[OUEL-1831/90] 06 p0801 N91-14423
Effect of strain rate on the through-thickness elastic properties of woven laminates 13 p2044 N91-21245
The interlaminar shear strength of woven carbon, woven glass and woven carbon/glass hybrid laminates under static and impact loading 13 p2045 N91-21247

TAYLOR, M. J.
Ohmic contacts to semiconducting diamond
[AD-A234130] 18 p3068 N91-26950

TAYLOR, MALCOLM S.
Randomization procedures applied to analysis of ballistic data
[AD-A238389] 21 p3603 N91-30050

TAYLOR, NIGEL A.
Computer-based techniques for collection of pulmonary function variables during rest and exercise
[AD-A236482] 19 p3212 N91-27755

TAYLOR, P. A.
Adsorption and decomposition of acetylene on Si(100)-(2x1)
[AD-A233808] 18 p2945 N91-26248
Adsorption and thermal behavior of ethylene on Si(100)-(2x1)
[AD-A234098] 18 p2946 N91-26252

TAYLOR, P. C.
Electronic processes in thin film PV materials
[DE90-000359] 02 p0232 N91-11295
Research in the physical sciences with application to the free electron laser
[AD-A237884] 21 p3523 N91-29571

TAYLOR, P. H.
Minimization and control of hazardous combustion byproducts
[PB90-259854] 02 p0234 N91-11305

TAYLOR, P. L.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
DIII-D results and plans
[DE91-001548] 06 p0877 N91-14847
Initial operational experience after installation of the D3-D radiation shield
[DE91-017765] 24 p4107 N91-32949

TAYLOR, PAUL A.
Atomic-scale simulation of adhesion between metallic surfaces
[DE91-004722] 08 p1115 N91-16127

TAYLOR, PETER R.
Theoretical study of the C-H bond dissociation energy of acetylene
[NASA-CR-187858] 08 p1105 N91-16065
Comparison of the quadratic configuration interaction and coupled cluster approaches to electron correlation including the effect of triple excitations
[NASA-CR-187855] 08 p1221 N91-16727
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3
[NASA-TM-103391] 08 p1221 N91-16728
All-electron molecular Dirac-Hartree-Fock calculations: The group 4 tetrahydrides CH4, SiH4, GeH4, SnH4 and PbH4
[NASA-CR-187968] 10 p1496 N91-18237
Polyatomic molecular Dirac-Hartree-Fock calculations with Gaussian basis sets
[NASA-CR-187854] 10 p1591 N91-18772

TAYLOR, R. D.
Fe site occupancy and superconductivity in Y(1-z)Ca(z)Ba(z) (Cu(1-x)Fe(x))3O(6+y)
[DE90-016614] 01 p0131 N91-10774
The pressure-induced Mott transition in transition-metal iodides
[DE91-013671] 20 p3318 N91-28366
High pressure Moessbauer spectroscopy in diamond anvil cells
[DE91-016018] 24 p4108 N91-32961

TAYLOR, R. DEAN
Changes in Fe site occupancy and (Tc) in YBa2(Cu(1-x)Fe(x))3O(y) through processing
[DE90-010614] 09 p1409 N91-17751

TAYLOR, RAYMOND L.
Fabrication of lightweight Si/SiC LIDAR mirrors
[NASA-CR-4389] 21 p3583 N91-29935

TAYLOR, ROBERT B.
V-22 operational capabilities 10 p1467 N91-18092

TAYLOR, ROBERT P.
Investigations of surface roughness effects on turbulent flow and heat transfer
[AD-A229979] 12 p1895 N91-20422

TAYLOR, RONALD D.
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588

TAYLOR, RUSSELL
Methods for identifying object class, type, and orientation in the presence of uncertainty
[AD-A225984] 04 p0554 N91-13072

TAYLOR, S.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923

TAYLOR, S. L.
Initial estimate of NOAA-9 SBUV/2 total ozone drift: Based on comparison with re-calibrated TOMS measurements and pair justification of SBUV/2 11 p1732 N91-19523

TAYLOR, T. N.
The reaction of vapor-deposited Al with Cu oxides
[DE91-000367] 02 p0199 N91-11114

TAYLOR, T. S.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
Dependence of the DIII-D beta limit on the current profile
[DE91-011140] 17 p2867 N91-25860
Effects of current profiles on MHD stability
[DE91-011742] 17 p2869 N91-25872

TAYLOR, THOMAS J.
Observability of systems with complicated dynamics
[AD-A229004] 09 p1392 N91-17663

TAYLOR, THOMAS M.
Ground data system resource allocation planning to support mission management 14 p2213 N91-22223

TAYLOR, TRAVIS S.
A performance analysis and characterization of the Lumonics, Inc. HyperDYE-300 laser pumped dye laser
[AD-A225784] 04 p0528 N91-12929

TAYLOR, V. L.
Polymer characterization using the time-resolved phosphorescence of singlet oxygen as a spectroscopic probe
[DE91-001269] 11 p1688 N91-19303
Polymer characterization using singlet oxygen phosphorescence as a spectroscopic probe
[DE91-011735] 18 p2967 N91-26382

TAYLOR, W.
LEO space environmental effects: TRW LDEF experimental trays 16 p2714 N91-25024

TAYLOR, W. H.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292

TAYLOR, WALTER W., JR.
Finite element investigation into the dynamic instability characteristics of laminated composite panels
[AD-A230610] 12 p1863 N91-20237

TAZIMA, NAOKI
Experiments toward the development of new pulsed ion diodes 11 p1801 N91-19885

TAZIMA, T.
Characteristics of ion beam generated with the 'point pinch diode' 19 p3249 N91-27969

TCHAMITCHIAN, PH.
Resolution of the 1D regularized Burgers equation using a spatial wavelet approximation
[NASA-CR-187480] 08 p1211 N91-16664

TCHEOU, F. X.
On a phonetic and structural encoding of Chinese characters in Chinese texts
[RR-835-I] 15 p2524 N91-23989

TEAGUE, M. W.
Ar(+) laser excited fluorescence of diatomic combustion radicals in a flame
[AD-A230155] 12 p1865 N91-20248

Spectral studies of solid propellant combustion. 3: Emission and absorption results for HMX2 propellant
[AD-A237958] 21 p3475 N91-29276

TEAGUE, W. J.
XCTD Test: Reliability and Accuracy Study (XTRAS)
[AD-A227527] 09 p1389 N91-17521

TEAL, WALTER B.
Effectiveness of a prototype microclimate cooling system for use with chemical protective clothing
[AD-A231572] 15 p2477 N91-23717

TEARE, G. M.
Filament winding of satellite structures
03 p0331 N91-11851

TEAS, DON C.
Review of audition literature: Selection of acoustic signals for use in the synthesis of auditory space
[AD-A234579] 18 p3056 N91-26881

TEAYS, T.
The long-term monitoring of the spectrophotometric IUE standard stars 09 p1438 N91-17922

TEBBETTS, ILSE
The 1988 anthropometric survey of US Army personnel: Methods and summary statistics
[AD-A225094] 03 p0395 N91-12196

TEBOULLE, MARC
Duality methods for infinite dimensional optimization problems
[AD-A232605] 15 p2487 N91-23772

TEDESCO, E. F.
A census of the asteroid belt
17 p2896 N91-26009
IRAS asteroid families 17 p2897 N91-26011

TEEGEN, UWE
Constraint management requirements for on-line aircraft route planning 17 p2732 N91-25126

TEETER, BRENT A.
Wire-free arming system for an aircraft-delivered bomb
[AD-D014611] 11 p1646 N91-19076

TEETER, RONALD
USSR Space Life Sciences Digest, issue 28
[NASA-CR-3922(33)] 04 p0550 N91-13052
USSR Space Life Sciences Digest, issue 29
[NASA-CR-3922(34)] 18 p3019 N91-26669
USSR Space Life Sciences Digest, issue 30
[NASA-CR-3922(36)] 18 p3019 N91-26670
USSR Space Life Sciences Digest, issue 31
[NASA-CR-3922(37)] 22 p3713 N91-30669

TEETS, ALAN R.
Elastomer compatibility with liquid propellant at elevated temperature
[AD-A230973] 13 p2058 N91-21327

TEEUW, WOUTER B.
Distributed data bases: Parallelism and complex objects
[MEMO-INF-90-22] 10 p1576 N91-18675
Three-phase parallel join model
[MEMO-INF-90-49] 10 p1577 N91-18679
Representing complex objects in a distributed database: A performance evaluation
[MEMO-INF-90-92] 22 p3769 N91-31015
Control versus data flow in distributed database machines
[MEMO-INF-91-02] 22 p3769 N91-31016

TEGLER, STEPHEN C.
The dust coma of Comet Austin (1989c1)
17 p2893 N91-25989
Spectra of comet P/Halley at R = 4 - 8 AU
17 p2897 N91-26014

TEGLER, STEPHEN CHRISTOPHER
The NH3 and NH2 abundances in comet Halley
03 p0436 N91-12440

TEGNER, P.-E.
A veto detector for discrimination of charged particles
[USIP-90-02] 07 p1066 N91-15864

TEGTMEIER, DIRK
Examination of power transistors in high working frequency oscillator converters
[ETN-91-98785] 10 p1521 N91-18375

TEH, H. H.
The simplification of fuzzy control algorithm and hardware implementation 13 p2140 N91-21781

TEHRANI, M.
New accelerometers under development
03 p0431 N91-12415

TEICHBERG, VIVIAN I.
Affinity-repulsion chromatography
14 p2295 N91-22688

TEICHROW, JON S.
Real-time fuzzy inference based robot path planning
[NASA-CR-188598] 17 p2830 N91-25631

TEILLET, P. M.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475

TEITEL, STEPHEN
Flux flow pinning and resistive behavior in superconducting networks
[DE91-002756] 05 p0727 N91-14064

TEIWES, WINFRIED
Measurement of eye movements in space-related research environments 11 p1744 N91-19591

TEIXEIRA, RICHARD A.
The effects of chemical protective gloves and glove liners on manual dexterity
[AD-A231250] 13 p2129 N91-21721

TEKE, MATHIAS
Solving the BM Camelopardalis puzzle
19 p3273 N91-28104

TEL, GERARD
The derivation of distributed termination detection algorithms from garbage detection schemes
[RUU-CS-90-24] 23 p3910 N91-31827

TELEGDI, V. L.
Mind over matter: The intellectual content of experimental physics
[DE91-617571] 20 p3394 N91-28813

TELESCO, C. M.
Central star formation in S0 galaxies
05 p0759 N91-14223
Paired and Interacting Galaxies: International Astronomical Union Colloquium No. 124
[NASA-CP-3098] 08 p1244 N91-16858
The dust coma of Comet Austin (1989c1)
17 p2893 N91-25989

TELESMAN, JACK
Modeling of crack bridging in a unidirectional metal matrix composite
[NASA-TM-104355] 16 p2648 N91-24660

TELIONIS, DEMETRI P.
The transient development of vortices over a delta wing
[AD-A231946] 14 p2188 N91-22082

TELLALIAN, MARTIN L.
Space simulation facilities providing a stable thermal vacuum facility 11 p1661 N91-19150

TELLER, E.
Space propulsion by fusion in a magnetic dipole
[DE91-012033] 20 p3302 N91-28275
High temperature superconductivity: The early 1991 edition
[DE91-017655] 24 p4009 N91-32417

TEMAN, ROGER
Three dimensional Euler equation solving on parallel machines
[ETN-91-99913] 23 p3869 N91-31583

TEMES, C. L.
Impulse arrays
[AD-A235799] 19 p3150 N91-27410

TEMME, N. M.
Uniform asymptotic approximation of Fermi-Dirac integrals
[CWI-AM-R9001] 02 p0259 N91-11440
Uniform Airy type expansions of integrals
[CWI-AM-R9011] 10 p1582 N91-18713

TEMMERMAN, W. M.
The effect of scandium on the phase stability of Al3Nb and Al3Zr
[DE91-002657] 06 p0808 N91-14459

TENBERG, A. J. W. M.
Optimizing the controlpath output function of instruction set processors
[MEMO-INF-90-57] 10 p1571 N91-18640

TENCATI, RON
NSI security task: Overview 18 p3078 N91-27016

TENCATI, RONALD D.
The SPAN cookbook: A practical guide to accessing SPAN
[NASA-TM-105054] 22 p3726 N91-30740

TENCH, R.
The surface morphology of as-deposited and laser-damaged dielectric mirror coatings studied in situ by atomic force microscopy
[DE91-016571] 24 p4101 N91-32917

TENCH, R. J.
Cluster formation in laser-induced ablation and evaporation of solids observed by laser ionization time-of-flight mass spectrometry and scanning tunneling microscopy
[DE90-010876] 08 p1152 N91-16344
Scanning tunneling microscopy of reactive sites: Gasification of graphite by oxygen and hydrogen
[DE91-008569] 13 p2049 N91-21274
In-situ scanned probe studies on site specificity of laser surface damage of graphite, sapphire, and multilayer coatings
[DE91-008568] 14 p2269 N91-22555

TENFORDE, T. S.
Interaction of extremely low-frequency electromagnetic fields with humans
[DE90-017190] 01 p0101 N91-10592
ELF (Extremely-Low-Frequency) field interactions at the animal, tissue and cellular levels
[DE91-004807] 09 p1371 N91-17537
Biological interactions of extremely-low-frequency electric and magnetic fields
[DE90-011927] 21 p3547 N91-29709
Interaction of extremely-low-frequency electromagnetic fields with humans
[DE91-015779] 24 p4073 N91-32756

TENG, DAN
Structural and electronic properties of the ordered ternary 3-5 semiconductors 15 p2514 N91-23936

TENG, HONG
A model for wet filament winding of composite cylinders with arbitrary thickness
[AD-A234102] 18 p2940 N91-26215
Interfacial slippage of a unidirectional fiber composite under longitudinal shearing
[AD-A234186] 18 p2940 N91-26216

TENG, SUE Y.
Procedures for the preparation of samples for cross-sectional transmission electron microscopy
[AD-A227013] 06 p0805 N91-14444

TENHAGEN, P. J. W.
An approach to hierarchical input devices
[CWI-CS-R8946] 03 p0407 N91-12274
Components, frameworks and GKS input
[CWI-CS-R8947] 03 p0407 N91-12275
On the role of delegation and inheritance in object-oriented database systems
[CWI-CS-R9032] 10 p1573 N91-18655
IDDL: A language for intelligent interactive integrated CAD systems
[CWI-CS-R9056] 17 p2834 N91-25663

TENHAVE, J. M.
The application of trajectory prediction algorithms for planning purposes in the Netherlands ATC-system
02 p0173 N91-10986

TENKATE, H. H. J.
Predesign of an experimental (5-10 MWt) disk MHD facility and prospects of commercial (1000 MWt) MHD/steam systems
[EUT-90-E-243] 22 p3757 N91-30945

TENNANT, A. F.
XSPEC: An x ray spectral fitting package. Version 2 of the user's guide
[NASA-TM-105007] 22 p3732 N91-30776

TENNANT, ALLYN F.
The QDP/PLT user's guide
[NASA-TM-4301] 17 p2837 N91-25682

TENNANT, R. A.
Supersonic combustion of a transverse injected H2 jet in a radio frequency heated flow
[DE91-014739] 21 p3476 N91-29281

TENNANT, R. E.
An experimental investigation of the properties of a non-reacting, supersonic shear layer
[DE91-005856] 10 p1462 N91-18061

TENNANT, WILLIAM E.
LWIR HgCdTe: Innovative detectors in an incumbent technology 06 p0793 N91-14384

TENNERY, V. J.
Cooperative international program on mechanical strength measurements of ceramics
[DE91-000102] 04 p0508 N91-12822

TENNILLE, GEOFFREY M.
Gigaflop performance on a CRAY-2: Multitasking a computational fluid dynamics application
[NASA-TM-4305] 24 p4088 N91-32841

TENNYSON, P. D.
Observations of the diffuse UV radiation field
06 p0889 N91-14912

TENNYSON, R. C.
Thermal-vacuum effects on polymer matrix composite materials 16 p2717 N91-25044
Atomic oxygen erosion of polymer matrix composites
16 p2718 N91-25045

TENORIO-TAGLE, G.
Star formation in proto dwarf galaxies
05 p0757 N91-14212

TENPAS, PETER WARREN
Numerical solution of the steady, compressible, Navier-Stokes equations in two and three dimensions by a coupled space-marching method
09 p1334 N91-17325

TENTHIJEBOONKKAMP, J. H. M.
NUMVEC FORTRAN library manual. Chapter: Partial differential equations. Routine: OEHPC
[CWI-NM-R8915] 02 p0252 N91-11399

TEODORANI, M.
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929

TEPIKIAN, S.
Perturbation treatment of the longitudinal coupling impedance of a toroidal beam tube
[DE91-013884] 20 p3339 N91-28495
TEPLEY, CRAIG A.
Large scale plasma irregularities and airglow enhancements from ionospheric heating
10 p1549 N91-18520
TEPLITZ, SCOTT B.
Space Station Freedom altitude strategy
09 p1289 N91-17085
TERADA, N.
Evaluation of cathode materials for high energy lithium secondary batteries
[DE91-764240] 15 p2417 N91-23385
TERAMOTO, TAKAYUKI
Rayleigh-Taylor instability in LIB ICF
11 p1800 N91-19883
TERASHIMA, Y.
High-energy protons produced by a large-amplitude magnetosonic wave and associated gamma radiation through neutral pion decay
[DE90-520190] 04 p0580 N91-13231
Solar flares and particle acceleration
06 p0916 N91-15049
Rapid acceleration of protons in a nonlinear magnetosonic wave and their energy spectrum
20 p3410 N91-28905
TERAVEST, D.
Three-dimensional computation of magnetic fields and Lorentz forces of an LHC dipole magnet
[NIKHEF-H/89-12] 04 p0579 N91-13223
TERAZAWA, HIDEZUMI
Are super-hypernuclei found in cosmic rays?
[DE91-772207] 17 p2919 N91-26110
TERDTOON, P.
Effect of inclination angle on heat transfer characteristics of closed two-phase thermosyphon
08 p1140 N91-16278
TEREBEY, SUSAN
IRAS results on outer galaxy star formation
06 p0896 N91-14953
TEREKHOV, G. I.
Double 4f-collapse in Ce(0.9-x)Yb(x)Th(0.1)
[DE91-619752] 13 p2160 N91-21908
TEREKHOV, O. V.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
TEREKHOV, VLADIMIR
US experience cited to urge change in space program management 19 p3111 N91-27188
TERHAAR, FRED
Modules in LORE: Notes on the implementation
[REPT-90-64] 10 p1574 N91-18657
TERHOFSTEDE, A. H. M.
Formalisation of techniques: Chopping down the methodology jungle
[TR-90-26] 23 p3936 N91-31996
TERHUNE, R.
Novel Si(1-x)Ge(x)/Si heterojunction internal photoemission long wavelength infrared detectors
06 p0797 N91-14401
TERIELE, H. J. J.
A new lower bound for the de Bruijn-Newman constant
[CWI-NM-R8920] 02 p0260 N91-11447
Improved techniques for lower bounds for odd perfect numbers
[CWI-NM-R8921] 02 p0260 N91-11448
Parallel processing in number-theoretical problems
[CWI-NM-R9010] 10 p1578 N91-18685
TERLAKY, T.
A potential reduction method for a class of smooth convex programming problems
[REPT-90-01] 01 p0109 N91-10636
A potential reduction variant of Renegar's short-step path-following method for linear programming
[REPT-90-14] 02 p0253 N91-11402
A polynomial method of weighted centers for convex quadratic programming
[REPT-90-17] 02 p0261 N91-11453
On the classical logarithmic barrier function method for a class of smooth convex programming problems
[REPT-90-28] 07 p1058 N91-15817
The linear complementarity problem, sufficient matrices, and the criss-cross method
[REPT-90-49] 07 p1059 N91-15823
Some generalizations of the criss-cross method for quadratic programming
[REPT-90-52] 08 p1200 N91-16599
A long step barrier method for convex quadratic programming
[REPT-90-53] 08 p1200 N91-16600
TERLIEN, G. C. H.
Buffer cache design of the TUMULT filesystem
[MEMO-INF-90-65] 10 p1566 N91-18612
The Tumult multi-version filesystem
[MEMO-INF-91-29] 22 p3739 N91-30830
TERNOVOY, S. K.
Computer tomography measurement of vertebral bones and muscles after extended manned space flights
18 p3023 N91-26690
Mineral density of bones of human skeleton in simulated reduced gravity 19 p3208 N91-27730
TERPSTRA, T. J.
Asymptotically optimal rank tests for multi-factor experimental design problems with respect to a location parameter and a scale parameter
[MEMO-907] 14 p2319 N91-22808
TERRANOVA, MICHELE
The part task trainer for airborne weapons systems: Human factors evaluation of the user interface
[DE90-017772] 03 p0397 N91-12205
TERRELL, KERMIT
Ada compiler evaluation capability: Version description document, release 2.0
[AD-A236684] 19 p3230 N91-27856
TERRELL, KYLE
Hydraulic lifting device
[NASA-CASE-SSC-00008-1] 05 p0671 N91-13733
TERRIBILE, ANTONIO
Telerobotics: A key area for possible technology transfer from underwater to space 15 p2451 N91-23581
TERRY, CHRISTOPHER I.
Establishment of a fabrication and measurement capability for aperture-fed stacked patch microstrip antennas at the Air Force Institute of Technology
[AD-A230531] 12 p1886 N91-20368
TERRY, JOHN D.
Using a modified Hewlett Packard 8410 network analyzer as an automated farfield antenna range receiver
[NASA-TM-103700] 11 p1698 N91-19349
TERRY, M. D.
Statistical process control for QML (Qualified Manufacturer's List) radiation hardness assurance
[DE90-007413] 08 p1161 N91-16394
TERRY, NANCY
Experimental development, testing and research work in support of the inertial confinement fusion program
[DE91-002771] 06 p0875 N91-14841
TERRY, P.
Laboratory test results of solid state video cameras
[DE91-016189] 24 p4006 N91-32399
TERRY, P. W.
Theoretical studies of turbulence and anomalous transport in toroidal confinement devices
[DE90-017606] 01 p0126 N91-10747
Theoretical studies of turbulence and anomalous transport in toroidal confinement devices
[DE91-011071] 16 p2693 N91-24908
Anomalous ion heating from the dynamo in a reversed field pinch
[DE91-015586] 21 p3589 N91-29966
TERRY, ROBERT E.
The charge-exchange neutral problem and the code NEUTRAL
[AD-A237889] 21 p3506 N91-29464
TERUI, YUSHI
The establishment and performance test of PAPI (Precision Approach Path Indicator) System for NAL STOL aircraft
[NAL-TM-579] 01 p0006 N91-10030
Observation of laminar boundary layer transition on light monoplane wing surface
[NAL-TR-1077] 17 p2777 N91-25366
TERUI, YUUSHI
Flight evaluation test of the PAPI (Precision Approach Path Indicator) System
[NAL-TM-592] 02 p0167 N91-10966
TERUTUNG, HENDRA
Effect of grinding on the fatigue life of titanium alloy (5 Al-2.5 Sn) under dry and wet conditions
19 p3276 N91-28121
TERUYA, A. T.
Avalanche transistor selection for long term stability in streak camera sweep and pulser applications
[DE91-004195] 06 p0821 N91-14535
TERVO, MATTI
Supervision of peat stockpiles using aerial thermography
[DE91-752966] 13 p2111 N91-21622
TERWILLIGER, C. D.
Measurements of grain boundary properties in nanocrystalline ceramics
[DE91-006662] 10 p1503 N91-18273
Determination of thermodynamic and kinetic properties of grain boundaries using high temperature calorimetry
[DE91-015571] 21 p3600 N91-30031
TERZIAN, Y.
Limitations to the method of power spectrum analysis: Nonstationarity, biased estimators, and weak convergence to normality
[DE91-008583] 21 p3564 N91-29812
TESAR, A.
In-situ scanned probe studies on site specificity of laser surface damage of graphite, sapphire, and multilayer coatings
[DE91-008568] 14 p2269 N91-22555
TESAR, DELBERT
The effect of inertial coupling in the dynamics and control of flexible robotic manipulators
[NASA-CR-187679] 05 p0669 N91-13721
Dynamic modeling, property investigation, and adaptive controller design of serial robotic manipulators modeled with structural compliance
[NASA-CR-187678] 05 p0670 N91-13722
TESCH, PER A.
Oxygen uptake during concentric and eccentric resistive exercise using a new gravity-independent ergometer
11 p1744 N91-19587
Muscle function impairment following lower limb unloading in men 11 p1749 N91-19616
TESCHE, T. W.
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597
TESKE, MILTON E.
A new methodology for free wake analysis using curved vortex elements
[NASA-CR-3958] 11 p1644 N91-19067
Feasibility of an onboard wake vortex avoidance system
[NASA-CR-187521] 11 p1645 N91-19074
TESKEY, ROBERT
Using the TIMS to estimate evapotranspiration from a forest
[NASA-CR-188729] 21 p3534 N91-29636
TESLENKO, V. P.
Flight control during investigations on board specialized space module of the 'Gamma' project
14 p2213 N91-22229
TESMER, JOSEPH R.
Superconducting YBaCuO thin films by Cu-ion implantation
[DE91-004867] 07 p1074 N91-15909
TESSEIDRE, C.
Spectral transfer analysis for subgrid-scale modelling
24 p4014 N91-32438
TESSLER, ALEXANDER
A computationally viable higher-order theory for laminated composite plates
[AD-A231423] 14 p2239 N91-22385
A computationally attractive beam theory accounting for transverse shear and normal deformations
[AD-A231938] 14 p2277 N91-22592
TEST, MARK G.
High temperature NASP engine seal development
[NASA-TM-103716] 11 p1715 N91-19441
TESTER, JOHN T.
Multidisciplinary modeling and design of a space structure
[AD-A230626] 12 p1856 N91-20198
TESTI, NICHOLAS
Performance and operational characteristics of a Fiber Distributed Data Interface (FDDI) ring
[DE90-016103] 01 p0111 N91-10649
TESTROET, FRANK B.
Manufacturing guide for elastomeric seals
[AD-A227511] 08 p1159 N91-16383
TESTUD, J.
Report of the Consultancy Group on rain radar
[ESA-SP-1119] 04 p0548 N91-13042
TETENBAUM, M.
Thermodynamic behavior of high-Tc oxide systems via EMF and related measurements
[DE91-006590] 10 p1607 N91-18866
Thermodynamic behavior of high-T(sub c) oxide systems via EMF and related measurements
[DE91-010589] 16 p2695 N91-24924
TETER, JOHN E., JR.
Determination of the flight hardware configuration of an energy absorbing attenuator for the proposed Space Station crew and equipment translation aid cart
[NASA-TP-3084] 13 p2099 N91-21556
TETER, JOSEPH P.
Magnetostrictive linear motor
[AD-D014816] 16 p2620 N91-24505
Magnetostrictive angular positioning motor
[AD-D014858] 18 p2994 N91-26536
TEUNISSEN, R. P. A. M.
Specifying, buying and accepting a flight simulator
03 p0315 N91-11762

TEWARI, RAJIV
Robustness in replicated databases
15 p2523 N91-23981
TEWARI, S. N.
Dentritic morphology and microsegregation in directionally solidified superalloy, PWA-1480, single crystal: Effect of gravity; center director's discretionary fund report
[NASA-TM-103518] 07 p0982 N91-15391
TEWARSON, A.
Flammability characteristics of fiber reinforced composite materials
[AD-A228215] 08 p1106 N91-16072
TEWARY, V. K.
Effect of a free surface on stress distribution in a bimaterial composite
[PB91-185116] 21 p3471 N91-29251
TEXEIRA, R. H.
Assessment of municipal solid waste for energy production in the Western United States
[DE90-000361] 02 p0230 N91-11283
TEXIER, ALAIN
The development of a specific image analysis technique for exploiting flow visualization negatives
[AAAF-NT-89-26] 23 p3871 N91-31593
Numerical simulation of three dimensional unsteady flow by multiprocessor solving of the Navier-Stokes equations
[ETN-91-99974] 23 p3871 N91-31594
Automatic analysis of visualization negatives
[ETN-91-99971] 23 p3873 N91-31603
TEZDUYAR, TAYFAN E.
Stabilized finite element formulations for incompressible flow computations
[UMSI-91/66] 24 p4013 N91-32431
THACKER, B. H.
An approximate methods approach to probabilistic structural analysis 16 p2585 N91-24328
THADDEUS, P.
Fundamental studies of carbenes and hydrocarbon radicals
[DE91-011029] 18 p2951 N91-26286
THADHANI, N. N.
Shock-induced chemical reactions and synthesis of binary compounds
[DE91-004296] 07 p0976 N91-15355
THAI, JULIE
A technique for measuring the solubilities of gases in liquids
[AD-A238071] 21 p3476 N91-29278
THAI, TAN
Video frame store: An advanced solid state recorder
[DE91-015709] 21 p3520 N91-29549
A fast, one pass algorithm to label objects and compute their features
[DE91-015441] 21 p3554 N91-29747
THAKOOR, ANIL
Electronic neuroprocessors 15 p2536 N91-24045
THAKUR, R. P. S.
Comparative study of phosphosilicate glass on (100) silicon by furnace and rapid isothermal annealing
[NIAR-90-26] 08 p1120 N91-16153
THALER, DAVID E.
First-strike stability and strategic defenses. Part 2: A methodology for evaluating strategic forces
[AD-A231524] 14 p2321 N91-22820
THALHAMMER, JOHN A.
Software Technology for Adaptable, Reliable Systems (STARS) (user manual). Ada Command Environment (ACE) version 8.0 SunOS implementation
[AD-A229400] 22 p3725 N91-30729
THALMAN, N.
AI techniques for a space application scheduling problem 14 p2313 N91-22776
THALMANN, EDWARD
Basic operation and preliminary trials of a detector for stationary gas bubbles
[AD-A239710] 23 p3900 N91-31769
THALMANN, EDWARD D.
Effects of hand and foot heating on diver thermal balance
[AD-A226430] 04 p0552 N91-13064
THAMM, R. M.
Turbo Pascal/GEM software interface for scientific graph preparation
[AD-A236825] 19 p3231 N91-27860
THANGAM, S.
Application of a new K-tau model to near wall turbulent flows
[NASA-CR-187518] 10 p1525 N91-18397
Turbulent separated flow past a backward-facing step: A critical evaluation of two-equation turbulence models
[NASA-CR-187532] 13 p2079 N91-21451
Development of turbulence models for shear flows by a double expansion technique
[NASA-CR-187611] 22 p3676 N91-30466
Analysis of two-equation turbulence models for recirculating flows
[NASA-CR-187607] 22 p3677 N91-30475
THANGARAJ, N.
HVEM (High Voltage Electron Microscopy) studies of the sintering of MgO nanocrystals prepared by Mg(OH)2 decomposition
[DE91-005403] 10 p1606 N91-18860
THANGAVELU, M.
MALEO: Modular Assembly in Low Earth Orbit. A strategy for an IOC lunar base 14 p2203 N91-22170
THANING, LENNART
Evaluation of a wind profile model
[FOA-E-40045-4.5] 05 p0690 N91-13839
Measurements of air quality and meteorological conditions in seven communities in northern Sweden
[FOA-C-40281-4.5] 14 p2290 N91-22665
THART, W. G. J.
Damage tolerance properties of new carbon composites
[NLR-TP-89032-U] 22 p3646 N91-30291
THART, W.G. T.
Mechanical properties and fracture toughness of 8090-T651 plate and 2091 and 8090 sheet
[NRL-MP-88049-4] 01 p0025 N91-10151
THAYER, JEFFREY PAUL
Neutral wind vortices in the high-latitude thermosphere
15 p2468 N91-23673
THE, HAN
Description of Crau data set: Meteosat data, radiosonde data, sea surface temperatures: Comparison of Meteosat and Heimann data
[KNMI-WR-90-03] 23 p3897 N91-31752
THE, P. S.
Ultraviolet, visual, and infrared studies of galactic extreme emission line objects with very large IR-excess
09 p1442 N91-17950
THEBERGE, MARC W.
Three case studies of management information systems
[AD-A238310] 21 p3603 N91-30049
THEELEN, BAS J.
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169
THEIL, A.
LATPET: A versatile computer program to analyse the performance of low angle tracker algorithms in a disturbed environment
[FEL-90-B345] 22 p3664 N91-30400
CARPET: A versatile program for radar performance analysis
[FEL-91-B002] 24 p3983 N91-32248
THEILER, J.
Nonlinear modeling of chaotic time series: Theory and applications
[DE91-013076] 20 p3435 N91-29055
THEIS, R.
Is the ESA/SCC screening technique more efficient than the MIL specifications? 24 p4005 N91-32392
THEISS, T. J.
Potential impact of enhanced fracture-toughness data on pressurized-thermal-shock analysis
[DE91-001493] 05 p0677 N91-13763
Potential impact of enhanced fracture-toughness data on fracture mechanics assessment of PWR vessel integrity for pressurized thermal shock
[DE91-009554] 15 p2438 N91-23509
Preliminary test results from the HSST shallow-crack fracture toughness program
[DE91-010147] 18 p3001 N91-26572
Influence of crack depth on the fracture toughness of reactor pressure vessel steel
[DE91-012537] 20 p3360 N91-28611
THEJLL, PETER
An approximation scheme for the three-dimensional scattered wave and its propagating far-field pattern in a finite depth ocean
[PB90-151002] 10 p1558 N91-18567
THEOBALD, D. L.
Direct-sampling MS measurement of volatiles in environmental samples
[DE91-013417] 21 p3537 N91-29653
THEOPHILOS, PAULA M.
Large Angle Transient Dynamics (LATDYN) user's manual
[NASA-CR-4401] 23 p3886 N91-31685
THEOPOLD, FELIX A.
Determination of the temperature profile of the troposphere with a two frequency lidar
[EXAMENARBEIT-8] 15 p2464 N91-23653
THERIOS, I. U.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
THESKEN, J. C.
Applications of a 2-D moving finite element formulation to elastic/viscoplastic dynamic fracture analysis
[DE91-009930] 20 p3359 N91-28607
THESLING, W.
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion
22 p3631 N91-30206
THESLING, WILLIAM
Key factors limiting the open circuit voltage of n(+)pp(+) indium phosphide solar cells 11 p1671 N91-19206
A theoretical comparison of the near-optimum design and predicted performance of n/p and p/n indium phosphide homojunction solar cells
22 p3636 N91-30233
THETFORD, ROGER
Theory of defect interactions in metals
14 p2330 N91-22874
THIBERT, J. J.
One point and multi-point design optimization for airplane and helicopter application 10 p1459 N91-18045
THIEL, KLAUS
Laboratory studies on time dependent particle emission from cometary analogues 10 p1623 N91-18954
THIELE, GARY A.
Electromagnetic/electrothermal gun technology development
[AD-A236493] 19 p3109 N91-27174
THIELMAN, C. Y.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
THIELMAN, JAMES
Going four-dimensional at a national laboratory
[DE91-004076] 07 p1049 N91-15761
THIEM, TERRY L.
Laboratory study of the thermochemical properties of materials used in spacecraft
[AD-A232124] 15 p2390 N91-23228
THIEME, LANNY G.
Component technology for stirling power converters
[NASA-TM-104387] 15 p2391 N91-23234
THIERSCHMANN, M.
Comparison of super-high-energy-propulsion-systems based on metallic hydrogen propellant for ES to LEO space transportation 14 p2201 N91-22154
THIESEN, REIMER
Type specific dynamic measurements on wind-power plant at the Schnittlingen test site (Fed. Republic of Germany)
[ESA-TT-1174] 22 p3699 N91-30598
THIESSEN, HENRY A.
Status of PILAC: A pion linac facility for 1-GeV pion physics at LAMPF
[DE91-005854] 10 p1594 N91-18796
THINH, NGO
Low flow vortex shedding flowmeter for hypergolics/all media 11 p1826 N91-20036
THIROUIN, A.
GASCON: Local and remote monitoring of ground stations equipments 14 p2212 N91-22216
THOBURN, C.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970
THODE, L. E.
Integrated Numerical Experiments (INEX) and the Free-Electron Laser Physical Process Code (FELPPC)
[DE90-011957] 08 p1152 N91-16348
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
THOE, ROBERT
An interactive program for the analysis and design of advanced laser targets
[DE91-002542] 05 p0666 N91-13704
THOERNGREN-ENGBLOM, PIA
Cosmic-ray muons as a calibration source for high energy gamma ray detectors
[USIP-90-06] 07 p1086 N91-15973
THOLEN, ALBERT D.
Report of the 75th National Conference on Weights and Measurements
[PB91-112763] 14 p2322 N91-22823
THOLEN, D. J.
Pre-encounter observations of 951 Gaspra
17 p2897 N91-26010
The spectral relationships between NEA and the meteorites: An overview using principal components analysis 17 p2904 N91-26037
THOM, R.
Evaluation of bearing configurations using the single bearing tester in liquid nitrogen
[NASA-TM-103527] 13 p2095 N91-21532

THOMA, WINFRIED
ESA industrial policy date and tender process
04 p0491 N91-12729
THOMANN, PIERRE
The classical microwave frequency standards
17 p2850 N91-25757
On the length of the drift region in the Ramsey cavity
17 p2855 N91-25783
THOMAS, A. M.
Investigation of radiative interactions in supersonic internal flows
[NASA-CR-188820] 24 p3950 N91-32078
THOMAS, ANTHONY
Ocean thermal energy conversion: Perspective and status
[DE90-017665] 02 p0233 N91-11299
THOMAS, CAROLYN C.
Subsystems component definitions summary program
[NASA-TM-4247] 07 p1042 N91-15714
THOMAS, CLARK S.
Metal etching composition
[NASA-CASE-MFS-29576-1] 07 p0978 N91-15368
THOMAS, CLAUDINE
Time scale algorithm: Definition of ensemble time and possible uses of the Kalman filter
17 p2852 N91-25767
The use of precise ephemerides, ionospheric data, and corrected antenna coordinates in a long-distance GPS time transfer 17 p2858 N91-25802
THOMAS, D.
Neutrino degeneracy and cosmological nucleosynthesis, revisited
[NASA-CR-188703] 20 p3444 N91-29110
THOMAS, D. M.
An edge density fluctuation diagnostic for DIII-D using lithium beams
[DE91-009814] 14 p2329 N91-22869
THOMAS, DANIEL L.
Frequency response of electrochemical cells
10 p1634 N91-19015
THOMAS, DAVID E.
On the HEMP (High-Altitude Electromagnetic Pulse) environment for protective relays
[DE91-001880] 07 p0999 N91-15488
THOMAS, DIETER
The art of flying qualities testing
15 p2369 N91-23109
THOMAS, E. V.
An evaluation of the effects of varying composition and processing on several encapsulating resins
[DE91-009101] 13 p2056 N91-21314
THOMAS, EDWIN L.
Phase transformations, ultrastructure, and properties of rigid-rod polymers
[AD-A238643] 21 p3490 N91-29368
THOMAS, G.
An historical mullite fiber-reinforced ceramic composite: Characterization of the 'wootz' crucible refractory
[DE91-005401] 10 p1494 N91-18225
THOMAS, G. J.
On the nature of grain boundary structures in nanophase materials
[DE91-010285] 18 p3072 N91-26978
THOMAS, H. L.
Conservative buffering of approximate nonlinear constraints 01 p0052 N91-10312
THOMAS, I.
Damage resistant optics for a mega-joule solid-state laser
[DE91-006246] 09 p1343 N91-17376
Influence of diamond turning and surface cleaning processes on the degradation of KDP crystal surfaces
[DE91-015300] 21 p3601 N91-30035
THOMAS, I. M.
Optical and environmentally protective coatings for Potassium Dihydrogen Phosphate (KDP) harmonic converter crystals
[DE91-015296] 21 p3600 N91-30034
THOMAS, J.
An automated software system for updating digital terrain databases from all-source imagery, phase 1
[AD-A237105] 21 p3554 N91-29748
THOMAS, J. B.
Design and status of the RF-digitizer integrated circuit
24 p3985 N91-32262
THOMAS, J. J.
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785
THOMAS, J. M.
Hypersonic numerical simulation: Problems and perspectives. Hypersonic vehicles and numerical simulation in structural analysis
[REPT-911-111-106] 15 p2366 N91-23091
Field calibration of soil-core microcosms for evaluating fate and effects of genetically engineered microorganisms in terrestrial ecosystems
[DE91-011258] 17 p2807 N91-25518
THOMAS, JAMES
Chicago O'Hare simultaneous ILS approach data collection and analysis
[DOT/FAA/CT-TN90/11] 10 p1469 N91-18101
THOMAS, JAMES L.
Navier-Stokes solutions about the F/A-18 forebody-LEX configuration 02 p0147 N91-10860
A comparative study of Navier-Stokes codes for high-speed flows 02 p0149 N91-10869
An embedded grid formulation applied to delta wings
02 p0153 N91-10891
Navier-Stokes and Euler solutions for lee-side flows over supersonic delta wings. A correlation with experiment
[NASA-TP-3035] 05 p0613 N91-13401
Computation of laminar viscous-inviscid interactions in high-speed internal flows 13 p2016 N91-21087
THOMAS, JOHN R.
Development of an animal model of human non-freezing cold injury: Changes in thermal sensitivity following cold exposure
[AD-A227174] 06 p0852 N91-14705
Effects of multiple cold air exposures on delayed matching to sample performance
[AD-A228390] 09 p1371 N91-17534
THOMAS, K.
Bolted stress relaxation testing of polymeric materials
[NPL-DMM(A)-12] 12 p1915 N91-20533
THOMAS, K. W.
Measurements of exhaled breath using a new portable sampling method
[PB90-250135] 04 p0550 N91-13053
THOMAS, KEVIN W.
Enhancements to the terminal Doppler weather radar gust front algorithm
[DOT/FAA/NR-91/3] 14 p2255 N91-22473
THOMAS, M. C.
Measuring neutron fluences and gamma/x ray fluxes with CCD cameras
[DE91-014119] 20 p3349 N91-28549
Rate effects of standard and high strip current Microchannel Plate Image Intensifiers (MCPIIs)
[DE91-016196] 24 p4007 N91-32407
THOMAS, P. R.
Comparison of beryllium and graphite first-walls in JET
[DE91-005489] 13 p2156 N91-21884
THOMAS, R.
Observations of lightning processes using VHF radio interferometry 24 p4062 N91-32695
THOMAS, R. E.
Semiconductor diamond technology
[AD-A228607] 09 p1410 N91-17758
Semiconductor diamond technology
[AD-A228608] 09 p1410 N91-17759
Semiconductor diamond technology
[AD-A233085] 16 p2694 N91-24915
Semiconductor diamond technology
[AD-A233293] 16 p2694 N91-24919
THOMAS, R. K.
Mechanical states in wound heterogeneous tapes by the finite element method
[DE91-009255] 15 p2444 N91-23536
THOMAS, R. S.
A pocket-size broadband electric field detection and storage device
[DE91-007710] 11 p1708 N91-19406
THOMAS, RALPH D.
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates
11 p1671 N91-19209
THOMAS, RICHARD N.
Implications on stellar structure/evolution of the observed association between energy/mass fluxes and multi-regional atmospheric structure
09 p1436 N91-17909
THOMAS, RICHARD W.
The handling qualities of the STOL and maneuver technology demonstrator from specification to flight test
15 p2371 N91-23117
THOMAS, ROBERT H.
Polar research from satellites
[NASA-CR-188025] 13 p2114 N91-21640
THOMAS, S.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941
THOMAS, S. J.
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486
THOMAS, S. W.
Avalanche transistor selection for long term stability in streak camera sweep and pulser applications
[DE91-004195] 06 p0821 N91-14535
Measurement of modulation transfer function for four types of imaging elements used in fast cameras
[DE91-017399] 24 p4021 N91-32475
THOMAS, SCOTT
Angle of arrival detection through artificial neural network analysis of optical fiber intensity patterns
[AD-A230386] 12 p1981 N91-20898
THOMAS, SUSAN
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986
[NASA-CR-187589] 19 p3203 N91-27702
THOMAS, TERRI
Seed sprout production: Consumables and a foundation for higher plant growth in space
23 p3904 N91-31790
THOMAS, V. A.
An interparticle collision model for electromagnetic hybrid simulations of high density plasmas
[DE91-016025] 23 p3929 N91-31958
THOMAS, VALERIE L.
Space physics analysis network node directory (The Yellow Pages): Fourth edition
[NASA-TM-105068] 22 p3764 N91-30983
THOMAS, WALTER B., III
Thermal shock testing for assuring reliability of glass-sealed microelectronic packages
[NASA-TM-104537] 12 p1910 N91-20500
THOMASELL, ALBERT
The impact of NOAA satellite soundings on the numerical analysis and forecast system of the People's Republic of China. Part 1: FGGE data. Part 2: December 1987 data
[AD-A227463] 09 p1366 N91-17506
THOMASON, BRIAN
The MS-DOS device handler interface
[AD-A223856] 02 p0250 N91-11385
The MS-DOS device services interface
[AD-A223902] 02 p0250 N91-11386
The MS-DOS routing and configuration program design
[AD-A223858] 02 p0251 N91-11394
Computer-based instruction Authoring Tools System (CATS): Student guide
[AD-A225782] 04 p0562 N91-13116
THOMASSEN, K. I.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547
THOMASSON, DAVID MICHAEL
Development and initial characterization of a nuclear magnetic resonance dosimetry system
[DE91-001775] 05 p0694 N91-13867
THOMASSON, MAGNUS
Simulations of gas clouds in interacting galaxies
08 p1264 N91-16961
THOME, F. V.
The 2nd Workshop on High Temperture Electronics (Metallization and Packaging)
[DE91-014332] 21 p3503 N91-29442
THOME, KURTIS JOHN
Radiative transfer model for a spherical atmosphere
20 p3373 N91-28689
THOMLINSON, W. C.
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
THOMPSEN, C.
Concentrator flight test experiment
[AD-A237390] 21 p3536 N91-29647
THOMPSON, A.
The LDEF ultra heavy cosmic ray experiment
16 p2709 N91-24994
Particulate impacts on the UHCRE cosmic ray experiment teflon covers: The ESA programme
16 p2711 N91-25004
THOMPSON, A. C.
A tunable x ray microprobe using synchrotron radiation
[DE90-011219] 08 p1148 N91-16322
THOMPSON, A. W.
Fundamentals of interfacial strength in composite materials
[AD-A226701] 06 p0803 N91-14431
High-temperature metal matrix composites
[AD-A230024] 12 p1862 N91-20229
The effect of hydrogen on the deformation behavior of a single crystal nickel-base superalloy
16 p2583 N91-24316
Environmental effects in niobium base alloys and other selected intermetallic compounds
[AD-A237535] 21 p3538 N91-29658

THOMPSON, ANDREA
Photometric narrowband CCD imaging of comets P/Brorsen-Metcalf and Austin (1989c1)
12 p2001 N91-21014
THOMPSON, ANTHONY W.
Fundamentals of mechanical behavior in intermetallic compounds
[AD-A235016] 18 p2954 N91-26301
THOMPSON, BRAD G.
Controlled Ecological Life Support Systems: Natural and Artificial Ecosystems
[NASA-CP-10040] 16 p2665 N91-24744
THOMPSON, BRUCE ROBERT
The PHD: A Planar, Harmonic Drive robot for joint torque control
[NASA-CR-187924] 08 p1159 N91-16386
THOMPSON, C. P.
On the parallelization of an adaptive multigrid algorithm for a class of flow problems
[DE91-010795] 19 p3232 N91-27867
A dynamically adaptive multigrid algorithm for the incompressible Navier-Stokes equations: Validation and model problems
[NASA-CR-187595] 23 p3919 N91-31888
THOMPSON, C. V.
Characterization of rocket propellant combustion products: Description of sampling and analysis methods for rocket exhaust characterization studies
[DE91-002536] 05 p0644 N91-13574
Screening volatile organics by direct sampling ion trap and glow discharge mass spectrometry
[DE91-007708] 11 p1680 N91-19258
Direct-sampling MS measurement of volatiles in environmental samples
[DE91-013417] 21 p3537 N91-29653
THOMPSON, C. W.
Proceedings of the Object-Oriented Database Task Group Workshop
[PB91-159723] 17 p2889 N91-25971
THOMPSON, CLAY M.
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949
THOMPSON, D. C.
SPEAR-1: An experiment to measure current collection in the ionosphere by high voltage biased conductors
09 p1403 N91-17725
THOMPSON, D. H.
Water tunnel flow visualisation of vortex breakdown over the F/A-18
[ARL-FLIGHT-MECH-R-179] 14 p2262 N91-22511
THOMPSON, DALE R.
Space lab system analysis: Advanced Solid Rocket Motor (ASRM) communications networks analysis
[NASA-CR-184103] 10 p1491 N91-18209
THOMPSON, DANNIELLA MUHEIM
Development and verification of global/local analysis techniques for laminated composites
[NASA-CR-185060] 18 p2943 N91-26238
THOMPSON, DAVID
Computational materials science. An example: Numerical modeling of chemical vapor deposition processing of advanced fibers 12 p1840 N91-20111
THOMPSON, DONALD L.
Classical dynamics studies of unimolecular decomposition of nitromethane
[AD-A232867] 16 p2682 N91-24850
THOMPSON, G. E.
A study of the inhibition of pitting of aluminum by chromate
[DE91-006915] 13 p2052 N91-21294
THOMPSON, G. L.
An exact algorithm for funding undirected Hamiltonian cycles based on a two-matching problem relaxation
[AD-A237241] 21 p3555 N91-29753
An exact two-matching based branch and bound algorithm for the symmetric traveling salesman problem
[AD-A237878] 21 p3566 N91-29823
THOMPSON, GERALD L.
The weighted uni-dimensional similarities problem with least absolute value metric is NP-Hard
[AD-A235060] 18 p3051 N91-26849
THOMPSON, J. A.
Radiation assessment of the INMOS transputer family
24 p4000 N91-32358
THOMPSON, J. D.
Copper NMR and hole depletion in the normal state of Y(1-x)Pr(x)Ba2Cu3O7
[DE90-016468] 01 p0130 N91-10768
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300
Doping and pressure study of U3Sb4Pt3
[DE91-013669] 20 p3431 N91-29033
Pressure dependence of the Curie-temperature in the Kondo-lattice-compound YbNiSn
[DE91-013672] 20 p3433 N91-29046
Effects of doping on hybridization gapped materials
[DE91-014611] 21 p3508 N91-29477
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds
[DE91-016239] 24 p4095 N91-32878
THOMPSON, J. M.
Experience with conventional inelastic analysis procedures in very high temperature applications
[DE91-009937] 15 p2445 N91-23545
THOMPSON, J. R.
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
Properties of materials with a fine length scale: Mechanically alloyed metals and the high temperature superconductor Y1Ba2Cu3O7
[DE91-012538] 21 p3591 N91-29975
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
THOMPSON, J. S.
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
THOMPSON, JACK
Rotorcraft use in disaster relief and mass casualty incidents: Case studies
[AD-A229569] 22 p3617 N91-30124
THOMPSON, JAMES E.
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582
THOMPSON, JAMES M.
Analysis of cured carbon-phenolic decomposition products to investigate the thermal decomposition of nozzle materials 19 p3269 N91-28082
THOMPSON, JOANIE
Requirements management: A CSR's perspective
18 p3079 N91-27027
THOMPSON, K. A.
Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870
THOMPSON, KEVIN
An integrated cognitive architecture for autonomous agents
[AD-A225701] 04 p0555 N91-13076
THOMPSON, LESLIE L.
Potential commercial uses of EOS remote sensing products 15 p2537 N91-24055
THOMPSON, MICHAEL R.
Key structure-activity relationships in the vanadium phosphorus oxide catalyst system
[DE91-005247] 10 p1606 N91-18859
THOMPSON, NICOLA M.
An experimental investigation into fin/bulb keels for the Port Pendennis America's Cup Challenge
[BU-511] 14 p2264 N91-22527
THOMPSON, P.
Civil tiltrotor missions and applications. Phase 2: The commercial passenger market
[NASA-CR-177576] 18 p2923 N91-26126
THOMPSON, P. A.
Comparison of synthetic aperture radar autofocus techniques: Phase gradient vs subaperture
[DE91-014696] 21 p3497 N91-29406
THOMPSON, PAUL S.
Activity and information modeling methodology assessment
[AD-A236234] 22 p3766 N91-30992
THOMPSON, PETE
Civil tiltrotor missions and applications
[NASA-CR-177452] 05 p0617 N91-13424
THOMPSON, R. B.
Deducing mechanical properties due to interfaces from their acoustical response
[DE90-016704] 02 p0221 N91-11234
Fatigue crack characterization by ultrasonic inspection
[DE90-017252] 02 p0226 N91-11264
Characterizing closure asperities by ultrasonic measurements
[DE90-016709] 04 p0535 N91-12967
Ultrasonic characterization of fatigue crack closure
[DE91-015161] 23 p3886 N91-31688
THOMPSON, R. E.
Shear stress transducer concepts
16 p2577 N91-24283
Normal stress transducer behavior
16 p2577 N91-24284
THOMPSON, R. J.
Solar-Terrestrial Predictions. Proceedings of a Workshop. Volume 1: Working group reports, review papers and solar papers
[PB91-197079] 22 p3777 N91-31064
Solar-Terrestrial Predictions: Proceedings of a workshop. Volume 2: Geomagnetic and space environment papers and ionosphere papers
[PB91-197087] 22 p3777 N91-31065
THOMPSON, RANDOLPH C.
Single-strain-gage force/stiffness buckling prediction techniques on a hat-stiffened panel
[NASA-TM-101733] 11 p1646 N91-19077
THOMPSON, REN A.
Color palette: Plotting guide for use with GSMAP and GSDRAW digital cartographic software
[DE91-001643] 06 p0858 N91-14737
THOMPSON, ROBERT Q.
Construction and evaluation of a regenerable flouroimmunochemical-based fiber optic biosensor
[DE91-004886] 10 p1596 N91-18807
THOMPSON, ROGER S.
An approach for the application of knowledge based systems to the production and execution of spacecraft operations procedures 14 p2217 N91-22254
Man-Machine Interface (MMI) aspects of workstations for use in spacecraft operations
14 p2221 N91-22281
THOMPSON, S. D.
Automated flight strip management system functional description
[AD-A229606] 22 p3616 N91-30115
THOMPSON, S. G.
Flow investigation of a ground effect vehicle
[BU-516] 14 p2264 N91-22528
THOMPSON, S. L.
Laser test for spindle parallelism
[DE91-009716] 13 p2092 N91-21518
THOMPSON, S. P.
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011
THOMPSON, SAMUEL L.
ANEOS: Analytic equations of state for shock physics codes input manual
[DE90-010198] 08 p1196 N91-16575
THOMPSON, STEVEN R.
The mechanical property data base from an Air Force/industry cooperative test program on advanced aluminum alloys
[AD-A226410] 04 p0505 N91-12806
The mechanical property data base from an Air Force/industry cooperative test program on advanced aluminum alloys (8090 extrusion)
[AD-A230903] 13 p2053 N91-21299
THOMPSON, T. C.
Superconducting Super Collider silicon tracking subsystem research and development
[DE91-009227] 13 p2152 N91-21862
THOMPSON, T. W.
A radar-echo model for Mars
14 p2352 N91-23006
THOMPSON, W. R.
Optical constants of kerogen from 0.15 to 40 microns: Comparison with meteoritic organics
[NASA-CR-187825] 07 p1083 N91-15957
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191
THOMPSON, W., JR.
Modification of programs CHIEF and CID to compute sound radiation from an arbitrary body with mixed boundary conditions
[AD-A237502] 21 p3556 N91-29759
THOMPSON, WILLIAM B.
Topographic map reading
[AD-A238026] 21 p3535 N91-29640
THOMPSON, WILLIAM K.
Data compression applied to HHVT
06 p0828 N91-14577
THOMPSON, WILLIAM T.
Investigation of boundary layer modification during GUFMEX
[AD-A236744] 19 p3206 N91-27719
THOMSON, D. W.
Interpretation of combined wind profiler and aircraft-measured tropospheric winds and clear air turbulence
[NASA-CR-187785] 09 p1366 N91-17509
Sound propagation in the atmosphere: Analysis of signal amplitude and phase temporal and spatial variations
[AD-A237034] 20 p3395 N91-26816
THOMSON, DENNIS W.
Winds and turbulence above San Nicolas Island during FIRE 01 p0089 N91-10522

Analysis of significant weather on meso-alpha scales using conventional and remotely-sensed data: Further studies
[AD-A227588] 07 p1030 N91-15652
Comparison of FFP predictions with measurements of a low-frequency signal propagated in the atmosphere
08 p1217 N91-16698

THOMSON, E. M.
Characterization of vertical electric fields and associated voltages induced on an overhead power line from close artificially initiated lightning
[DE91-010781] 18 p3016 N91-26656

THOMSON, EWEN M.
E and DE/DT waveshapes for narrow bipolar pulses in intracloud lightning 24 p4048 N91-32610
Characterization of vertical electric fields and associated voltages induced on a overhead power line from close artificially initiated lightning 24 p4051 N91-32629
A system for mapping sources of VHF and electric field pulses from in-cloud lightning at KSC
24 p4063 N91-32697
Voltages induced on a power distribution line by overhead cloud lightning 24 p4069 N91-32734

THOMSON, I.
Advances in SEM beam micro-irradiation
24 p4000 N91-32360

THOMSON, J. O.
Ac susceptibility of superconductive thin films
[DE91-015273] 21 p3594 N91-29993

THOMSON, MARK W.
Concepts and analysis for precision segmented reflector and feed support structures
[NASA-CR-182064] 07 p0963 N91-15300
Influence of utility lines and thermal blankets on the dynamics and control of satellites with precision pointing requirements
[NASA-CR-4366] 14 p2234 N91-22359

THOMSON, R. C.
Do elliptical galaxies have thick disks?
08 p1264 N91-16962

THORBY, D. C.
The special requirements of a VSTOL aircraft
20 p3283 N91-28155

THORLEY, G.
SOFIA: A Stratospheric Observatory for Infrared Astronomy
[NASA-TM-103840] 24 p4121 N91-33033

THORNAGEL, REINER
Development of a method for quantitative determination of photon emissions of x ray sources and their utilization in laser produced carbon and iron plasmas
[ETN-91-99444] 22 p3756 N91-30939

THORNE, A.
High-technology carbon-fibre/polyethersulphone composite for space applications
03 p0330 N91-11843

THORNELOE, S. A.
EPA's global climate change program. Program plan for methane emissions from landfills and other waste disposal facilities
[PB91-182667] 19 p3187 N91-27625

THORNLEY, J. C.
Fractography applied to polymeric materials, part 5
[DREA-CR-88-441-PT-5] 22 p3654 N91-30337

THORNTON, A. L.
Approximate treatment of a strong explosion and expansion in a near vacuum
[DE91-016063] 23 p3868 N91-31574

THORNTON, E. A.
Experimental study of the viscoplastic response of high temperature structures 19 p3131 N91-27297

THORNTON, EARL A.
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
Finite element thermo-viscoplastic analysis of aerospace structures
[NASA-TM-102761] 08 p1164 N91-16407
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209

THORNTON, J.
Photovoltaics: From the laboratory to the marketplace
[DE91-002151] 18 p3004 N91-26588

THORNTON, K. W.
Predicting and forecasting surface water acidification: A plan for assessing data aggregation effects
[PB91-182451] 22 p3703 N91-30609

THORNTON, STEPHEN T.
Electromagnetic interactions with nuclei and nucleons
[DE91-005096] 10 p1591 N91-18773

THORNTON, WILLIAM
Work, exercise, and space flight. 1: Operations, environment, and effects of spaceflight
01 p0099 N91-10578
Work, exercise, and space flight. 3: Exercise devices and protocols 01 p0099 N91-10579
Work, exercise, and space flight. 2: Modification of adaptation by exercise (exercise prescription)
01 p0100 N91-10586

THORNTON, WILLIAM E., JR.
Valve for waste collection and storage
[NASA-CASE-MSC-21025-4] 06 p0856 N91-14723
Method for waste collection and storage
[NASA-CASE-MSC-21025-2] 06 p0856 N91-14724
Method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-3] 18 p3034 N91-26747

THORPE, ARTHUR N.
Evaluation, development, and characterization of superconducting materials for space applications
[NASA-CR-187017] 01 p0129 N91-10763
Melt-processed bulk superconductors: Fabrication and characterization for power and space applications
15 p2542 N91-24082

THORPE, DOUGLAS G.
Space shuttle with common fuel tank for liquid rocket booster and main engines (supertanker space shuttle)
20 p3300 N91-28257
Determining criteria for single stage to orbit
20 p3300 N91-28258

THORPE, WILLIAM G.
Chemiluminescent reactions of group 6 atoms (O(P-3)) and Se(P-3) with azide radicals
[AD-A226872] 07 p0975 N91-15351

THORS, P.
Heat-rate improvements obtained with the use of enhanced tubes in surface condensers
[DE91-006565] 13 p2078 N91-21449

THORSNESS, C. B.
A high temperature, plasma-assisted chemical vapor deposition system
[DE91-000260] 04 p0506 N91-12809

THORSNESS, J. B.
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525

THOTTAPPILLIL, RAJEEV
Influence of channel base current and varying return stroke speed on the calculated fields of three important return stroke models 24 p4069 N91-32736

THRANE, EIVIND
Ionospheric HF radio propagation at high latitudes using conventional and spread spectrum modulation
[FFI-91/7003] 22 p3665 N91-30404

THRASHER, D. L.
Piloted rover technology study
[NASA-CR-186989] 15 p2385 N91-23200

THRESHER, ROBERT W.
Performance and cost projections for advanced wind turbines
[DE90-000370] 02 p0230 N91-11286
The sensitivity of wind technology utilization to cost and market parameters
[DE91-002122] 07 p1026 N91-15629

THRING, R. H.
Laboratory evaluations of controlled combustion quenching and stratified exhaust gas injection for NOx control on a four-stroke reciprocating engine
[PB90-258971] 03 p0371 N91-12081

THRONSON, H. A.
Radiatively-cooled telescopes for infrared space astronomy 13 p2180 N91-22048

THRONSON, HARLEY A., JR.
The Interstellar Medium in External Galaxies: Summaries of contributed papers
[NASA-CP-3084] 05 p0734 N91-14100
Peering beyond IRAS: The 100 to 350 micron dust emission from galaxies 05 p0743 N91-14141

THROOP, A. L.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547

THROWE, J.
Liquid and solid Ga and Bi studies with a variable energy positron beam
[DE91-016910] 24 p4096 N91-32889

THUBURN, JOHN
Modelling of large-scale unstable waves in the middle atmosphere 02 p0238 N91-11327

THUEREY, STEFAN
A central data management unit for a modern communication satellite system
[MBB-UK-0082-89-PUB] 04 p0513 N91-12853

THUMANN, MANFRED
Aluminum high strength material by mechanical alloying and reaction milling: Basics of processing and material characterization
[DLR-FB-90-29] 10 p1498 N91-18244

THUMM, M.
Study on ECW transmission lines for NET/ITER
[EUR-FU/80/90-99] 08 p1230 N91-16781

THURBER, C.
Seismic event location in regional distances
[AD-A235577] 19 p3199 N91-27686

THURNAUER, M. C.
The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752

THURNAUER, MARION C.
An extended model for electron spin polarization in photosynthetic bacteria
[DE91-006091] 10 p1558 N91-18569

THURONYI, G. T.
Antarctic bibliography, volume 17
[PB91-138370] 17 p2884 N91-25945

THURSTON, M. H.
Station data for the IOS benthic biological survey of the Porcupine Seabight region (NE Atlantic) 1977-1989
[IOS-281-1991] 22 p3712 N91-30663

THYAGARAJA, A.
Issues in direct numerical simulation of plasma turbulence and transport 20 p3410 N91-28901

THYAGARAJAN, K. S.
Implementation of VQ algorithms on a reconfigurable array processor
[AD-A236483] 19 p3229 N91-27852

THYKIER-NIELSEN, S.
Aerial smoke plume observations and surface-layer turbulence measurements. Part 2: Wind and temperature spectral analysis. Phase 4: Dispersion study: AMADEUS
[AD-A229291] 09 p1368 N91-17520

TI, SOI-SANG
Analysis of emission data from a Perkin-Elmer 1710 FTIR spectrometer
[AD-A227759] 08 p1150 N91-16331
Analysis of emission data from a broad-band radiometer
[AD-A228912] 09 p1339 N91-17354

TIAN, W. D.
Probabilistic simulation of power system production using orthogonal polynomial expansions
09 p1390 N91-17646

TIAN, ZONGROU
ution of the equivalent space with Bessel integral equation for the fractured orthotropic disk ution of the 'equivalent space' with Bessel integral equation for the fractured orthotropic disk
[ISSN-0932-8599] 02 p0224 N91-11253

TIBBITTS, SCOTT
Resettable binary latch mechanism for use with paraffin linear motors 16 p2641 N91-24619

TIBBITTS, T. W.
Technology for subsystems of space-based plant growth facilities 23 p3905 N91-31799

TIBBITTS, THEODORE W.
Controlled Ecological Life Support Systems: Natural and Artificial Ecosystems
[NASA-CP-10040] 16 p2665 N91-24744
Environmental and cultural considerations for growth of potatoes in CELSS 23 p3902 N91-31779

TICHELAAR, FRANS DAVID
Grain-boundary structure in ordered alloys
[ETN-91-98571] 08 p1117 N91-16136

TICHLER, JOYCE L.
Overview of the US Department of Energy's ARM (Atmospheric Radiation Measurement) program
[DE91-001126] 06 p0847 N91-14678

TICHY, JOHN A.
Improved modeling and performance of squeeze film damper bearings
[AD-A233694] 18 p2994 N91-26531

TICHY, LORENZ
Calculation of the pressure distribution on an oscillating airfoil in incompressible flow considering nonlinear effects 02 p0160 N91-10926

TICKNOR, AMANDA B.
The structure of the cyclohexyl radical from state-selective photofragment translational spectroscopy of the axial and equatorial conformers of iodocyclohexane
[AD-A236769] 19 p3242 N91-27934

TIDJANI, M. E.
Structural characterization of the Ag/YBa2Cu3O(7-x) interface
[DE91-009112] 13 p2159 N91-21907

TIDRICK, S. L.
An infrared analysis of the effect of composition of n-butyl triethoxysilane and gamma-amino propyl triethoxysilane blends on tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235840] 19 p3124 N91-27258

The 29Si solid state NMR studies of the effect of composition of amine and alkyl silane blends in tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235841] 19 p3124 N91-27259
An infrared analysis of the effect of composition of silane blends of amino and alkyl silane blends in tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235842] 19 p3124 N91-27260
Properties of anhydride-cured epoxy filled with silica treated with silane blends of amino and alkyl end groups
[AD-A235981] 19 p3140 N91-27353

TIE, XUEXI
A three-dimensional global dynamical and chemical model of methane 04 p0544 N91-13021

TIEDE, D.
The structure and function of membrane protein photosynthetic reaction center
[DE90-017795] 02 p0243 N91-11353

TIEDERMAN, WILLIAM G.
Polymer drag reduction of a zero pressure gradient boundary layer
[AD-A237572] 21 p3514 N91-29510

TIEFENBOECK, WILHELM
A test of the IAEA code of practice for absorbed dose determination in photon and electron beams
[OEFZS-4565] 18 p3062 N91-26913

TIEGS, T. N.
Effect of post-sintering microwave treatments upon the mechanical performance of silicon nitride
[DE91-009122] 14 p2251 N91-22456
Gelcast reaction-bonded silicon nitride composites
[DE91-009134] 14 p2251 N91-22457
Microstructure development during microwave annealing of dense silicon nitride
[DE91-012069] 18 p2944 N91-26242
Characterization of silicon nitride synthesized by microwave heating
[DE91-012219] 20 p3323 N91-28397
Fabrication of silicon nitride ceramics by microwave heating
[DE91-015312] 21 p3491 N91-29373

TIELEMAN, H. W.
Atmospheric surface layer and its simulation for wind-load studies on low-rise structures
[PB91-174045] 19 p3200 N91-27691

TIELENS, A. G. G. M.
Physical conditions in photodissociation regions: Application to galactic nuclei 05 p0736 N91-14113

TIELENS, ALEXANDER G. G. M.
Interstellar Dust: Contributed Papers
[NASA-CP-3036] 06 p0886 N91-14897
Airborne observations of the infrared emission bands 06 p0890 N91-14919
Dust coagulation in ISM 06 p0899 N91-14968
Infrared studies of dust grains in infrared reflection nebulae 06 p0899 N91-14970

TIEMAN, T. C.
GaAs MMIC mixer for 8-12 GHz, based on 0.5 micrometer gate length D-MESFETS. Volume 1: Design and layout
[FEL-89-B277-VOL-1] 05 p0654 N91-13632

TIEN, JAMES S.
Solid fuel combustion
[AD-A227170] 06 p0814 N91-14496
Catalytic ignition model in a monolithic reactor with in-depth reaction
[NASA-CR-187791] 07 p0978 N91-15367

TIEN, JOHN K.
Understanding the interdiffusion behavior and determining the long term stability of tungsten fiber reinforced niobium-base matrix composite systems
[NASA-CR-187396] 08 p1114 N91-16120
Understanding the high temperature behavior of niobium aluminides: First year summary report
[AD-A230202] 12 p1870 N91-20273

TIEN, TA-CHING
Catalytic ignition model in a monolithic reactor with in-depth reaction
[NASA-CR-187791] 07 p0978 N91-15367

TIEN, TSENG-YING
Ceramic composition
[PATENT-1-249-609] 23 p3817 N91-31294

TIEN, WINMIN
Stochastic dynamics and bifurcation behavior of nonlinear nonconservative systems in the presence of noise
[AD-A228923] 09 p1392 N91-17662

TIERNEY, J. W.
A novel process for methanol synthesis
[DE91-009808] 15 p2408 N91-23334
The synthesis of methanol by a novel method
[DE91-011131] 18 p2952 N91-26291

TIERNEY, M.
Thermal control for the ground simulation of a space IR sensor system 11 p1659 N91-19140

TIERNEY, MICHAEL J.
New electrorelease systems based on microporous membranes
[AD-A225315] 04 p0500 N91-12777

TIESZEN, S. R.
Effect of initial conditions on combustion generated loads
[DE91-016646] 24 p3973 N91-32194

TIETSWORTH, S. C.
A new system for measurement of low frequency radio transmitting antenna parameters in near real time
[AD-A238555] 21 p3501 N91-29429

TIETZE, KAREN J.
Assessment of the pharmacodynamics of intranasal, intravenous and oral scopolamine 18 p3096 N91-27114

TIFFT, WILLIAM G.
Properties of the redshift 08 p1258 N91-16926

TIGGES, C. P.
Band-gap narrowing and III-V heterostructure FETs (Field-Effect Transistors)
[DE91-000401] 05 p0726 N91-14056
Novel applications of Tl-Ca-Ba-Cu-O thin films to active and passive high frequency devices
[DE91-004507] 08 p1134 N91-16240
S-parameter measurements and applications of superconducting flux flow transistors
[DE91-009763] 15 p2417 N91-23388
The superconducting flux flow transistor: Models and applications
[DE91-014702] 20 p3340 N91-28501

TIGHE, R. J.
Sub-barrier fusion and near-barrier quasi-elastic scattering
[DE91-006046] 09 p1396 N91-17685

TIJS, S. H.
The core and the tau-value for cooperative games with coalition structures
[MEMO-848] 01 p0117 N91-10692

TIKHONOV, N. A.
What is the number of spiral galaxies in compact groups 08 p1248 N91-16874

TILANUS, R. P. J.
Spiral structure of M51: Streaming motions across the spiral arms 05 p0756 N91-14206

TILLBERG, E.
Floating zone growth of germanium crystals (TEXUS 14b) ESA 23 p3835 N91-31389
Semi-confined Bridgman growth of Ga-doped Ge (MASER 2) 23 p3836 N91-31390

TILLER, SMITH E.
Long Duration Exposure Facility (LDEF) low-temperature Heat Pipe Experiment Package (HEPP) power system results 16 p2725 N91-25092

TILLEY, DAVID G.
Visualizing characteristics of ocean data collected during the Shuttle Imaging Radar-B experiment 07 p1025 N91-15626

TILLEY, JEFFREY SCOTT
On the application of edge wave theory to terrain-bounded cold surges: A numerical study 21 p3540 N91-29670

TILLY, BODO
Optical transceiver frontend for high speed bus STANAG 3910 with one fiber only
[MBB-UA-1182-90-PUB] 08 p1224 N91-16745

TILMANN, CARL P.
The effects on aerodynamic performance of designing supersonic wings for laminar flow control
[AD-A233040] 16 p2559 N91-24197

TILMANT, J.
Test on opto couplers in the linear application considering temperature, radiation and Vce effects 24 p3993 N91-32314

TILS, HENRICUS MARTINUS GERARDUS CLEMENS
Fine particle flotation in a centrifugal force field
[ETN-91-98480] 08 p1146 N91-16309

TILTON, JAMES C.
Multisource Data Integration in Remote Sensing
[NASA-CP-3099] 07 p1023 N91-15615
Refinement of ground reference data with segmented image data 07 p1023 N91-15616

TIMCHENKO, V. A.
Buran and the future of the Soviet space program 08 p1100 N91-16037

TIMME, ADALBERT
Flight mechanics/air navigation research field. A 1990 Scientific report of the German Air and Space Research Organization
[ISSN-0720-7808] 15 p2368 N91-23103

TIMMINS, P.
Neutron diffraction by the flux lattice in high-Tc superconductors
[DE91-017866] 24 p4009 N91-32418
Neutron scattering from the flux lattice in high temperature superconductors
[DE91-017947] 24 p4009 N91-32419

TIMMONS, M. L.
Graded-bandgap AlGaAs solar cells for AlGaAs/Ge cascade cells 11 p1667 N91-19186
Radiation resistance of Ge, Ge0.93Si0.07, GaAs and Al0.08Ga0.92 as solar cells 22 p3637 N91-30240

TIMOTEO, DOMINIC
Chicago O'Hare simultaneous ILS approach data collection and analysis
[DOT/FAA/CT-TN90/11] 10 p1469 N91-18101

TIMOTHY, J. GETHYN
The ultra high resolution XUV spectroheliograph: An attached payload for the Space Station Freedom
[NASA-CR-184156] 14 p2235 N91-22365

TINCHER, M.
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061

TINDALL, W.
Integrated optical devices for photonics instrumentation systems
[DE91-004192] 06 p0873 N91-14828

TING, A.
Key physics issues affecting the performance of free electron lasers
[AD-A229992] 12 p1903 N91-20467
Evolution of a finite pulse of radiation in a high-power free-electron laser
[AD-A237427] 21 p3523 N91-29568

TING, MINGFANG
The stationary wave response to tropical and midlatitude SST anomalies 01 p0092 N91-10536

TING, WANG
Experimental investigation of turbulent Prandtl number and Reynolds analogy in transitional and post-transitional boundary layers
[AD-A226058] 04 p0522 N91-12907

TINGATE, P. R.
Apatite fission track analysis of the Pacoota and Stairway Sandstones, Amadeus Basin, central Australia 19 p3198 N91-27679

TINGEY, D.
Effects of UV-B and global climate change on Rice Research Plan
[PB91-109983] 09 p1361 N91-17478

TINGEY, D. T.
Biodiversity and human impacts
[PB90-263963] 09 p1370 N91-17530
Ecological exposure and effects of airborne toxic chemicals: An overview
[PB91-148460] 18 p3005 N91-26594

TINGEY, G. L.
Contributions and future of radioisotopes in medical, industrial, and space applications
[DE91-005245] 10 p1594 N91-18792

TINGLE, SCOTT D.
Slag estimation for solid rocket motors 16 p2572 N91-24254

TINGLEY, J. W.
Processing experiments for development of high-efficiency silicon solar cells
[DE91-002698] 06 p0841 N91-14645

TINIVELLA, R. J.
Stress relaxation in bending of type AISI 304 stainless steel at 773K and 823K
[DE91-618657] 23 p3883 N91-31666

TINKER, MICHAEL LOYD
Damping phenomena in a wire rope vibration isolation system 17 p2789 N91-25430

TINKHAM, MICHAEL
Joint services electronics program
[AD-A225506] 04 p0518 N91-12883

TINKLER, D.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292

TINNING, STEEN
Soft contact lens wear and aviation 17 p2826 N91-25613
Contrast sensitivity and glare following keratotomy 17 p2827 N91-25617

TINOCO, EDWARD N.
Numerical simulation of transonic flows over Boeing-747 and its validation by comparison with experimental data 04 p0456 N91-12551

TINSLEY, BRIAN A.
Forcing of climate variations by MeV-GeV particles 03 p0446 N91-12490

TIOMNO, J.
Geodesics in Goedel-type space-times
[DE90-634419] 03 p0389 N91-12168

TIPATHY, S.
Computer simulation of substituted polyacatylenes
[AD-A226328] 04 p0508 N91-12821

TIPPING, R. H.
Calculation of spectroscopic parameters for diatomic molecules of atmospheric interest
[AD-A225251] 03 p0417 N91-12332
TIPTON, CHARLES W.
An electron-beam dose deposition experiment: TIGER 1-D simulation code versus thermoluminescent dosimetry
[AD-A234507] 18 p2979 N91-26447
TIREY, D. A.
Minimization and control of hazardous combustion byproducts
[PB90-259854] 02 p0234 N91-11305
TIREY, DEBRA A.
High-temperature lubricant analyses using the System for Thermal Diagnostic Studies (STDS): A feasibility study
[AD-A225242] 03 p0344 N91-11929
TIRKAS, PANAYIOTIS A.
Scattering from thin apertures in coated conductors using FDTD
[AD-A232125] 15 p2413 N91-23365
TIRPAK, DENNIS A.
Potential effects of global climate change on the United States. Appendix C: Agriculture, volume 1
[PB90-171588] 01 p0066 N91-10394
Potential effects of global climate change on the United States. Appendix A: Water resources
[PB90-171968] 01 p0066 N91-10395
Potential effects of global climate change on the United States. Appendix B: Sea level rise
[PB90-172628] 01 p0066 N91-10396
Potential effects of global climate change on the United States. Appendix C: Agriculture, volume 2
[PB90-171596] 01 p0066 N91-10397
Potential effects of global climate change on the United States. Appendix D: Forests
[PB90-173238] 01 p0066 N91-10398
Potential effects of global climate change on the United States. Appendix E: Aquatic resources
[PB90-172297] 01 p0066 N91-10399
Potential effects of global climate change on the United States. Appendix F: Air quality
[PB90-172230] 01 p0067 N91-10400
Potential effects of global climate change on the United States. Appendix G: Health
[PB90-173881] 01 p0067 N91-10401
Potential effects of global climate change on the United States. Appendix H: Infrastructure
[PB90-172313] 01 p0067 N91-10402
Potential effects of global climate change on the United States. Appendix I: Variability
[PB90-173899] 01 p0067 N91-10403
Potential effects of global climate change on the United States. Appendix J: Policy
[PB90-173188] 01 p0067 N91-10404
TIRPAK, F. M., JR.
Systolic signal processor/high frequency direction finding
[AD-A229706] 12 p1956 N91-20762
TIRRES, LIZET
A comparison of the analytical and experimental performance of the solid version of a cooled radial turbine
[NASA-CR-187195] 24 p3950 N91-32077
TISCHLER, J. Z.
Development of nanovolt-resolution x ray diffraction using resonant nuclear scattering
[DE91-012217] 20 p3400 N91-28847
TISCHLER, M. B.
Suppression of biodynamic interference in head-tracked teleoperation
[NASA-TM-103833] 13 p2024 N91-21134
TISCHLER, V. A.
Sensitivity analysis and optimization issues in NASTRAN 12 p1913 N91-20519
TISHKOFF, J. M.
Proceedings of the AFOSR/ONR contractors meeting, Combustion, Rocket Propulsion, Diagnostics of Reacting Flow
[AD-A225444] 03 p0324 N91-11805
TISON, P.
Semi-confined Bridgman growth of Ga-doped Ge (MASER 2) 23 p3836 N91-31391
TISONE, G. S.
A refractive index gradient (RING) diagnostic for transient discharges or expansions of vapor or plasmas
[DE90-015840] 01 p0125 N91-10736
TISSOT, R. G.
Phase formation in the Tl-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
TITCHELL, I.
Environmental degradation of macro defect free cements. 1: Mechanical properties investigation
[AERE-R-13354-1] 01 p0028 N91-10169
TITI, E. S.
Determining finite volume elements for the 2D Navier-Stokes equations
[DE91-016028] 24 p4016 N91-32452
TITRAN, ROBERT H.
Thermal stability of the microstructure of an aged Nb-Zr-C alloy
[NASA-TM-103647] 06 p0807 N91-14454
Tensile behavior of tungsten/niobium composites at 1300 to 1600 K
[NASA-TM-103727] 08 p1115 N91-16128
Advanced materials for space nuclear power systems
[NASA-TM-105171] 21 p3479 N91-29298
TITUS, JEFFREY L.
Radiation hardening of a high voltage IC technology (BCDMOS)
[DE90-008345] 08 p1131 N91-16220
TITUS, P. H.
MIT ASTROMAG 1.7 meter disk magnet design report
[NASA-CR-187931] 14 p2322 N91-22824
TITUS, RICHARD
NEONS environmental database: Recent developments
[AD-A236477] 19 p3184 N91-27607
TITUS, TIMOTHY N.
One-dimensional cloud fluid model for propagating star formation 05 p0757 N91-14211
TITZ, RUTH U.
Investigation of highly excited CO transitions in OMC-1 13 p2176 N91-22013
A highly collimated bipolar outflow in the core of OMC-1: CO submillimeter emission 13 p2176 N91-22014
Airborne heterodyne receiver for the range 600 GHz to 3,000 GHz 13 p2180 N91-22047
TIWARI, S. N.
Interactive real time flow simulations
[NASA-CR-187325] 01 p0040 N91-10238
Grid generation and flow computation about a Martian entry vehicle
[NASA-CR-187032] 02 p0186 N91-11042
Impact response of composite materials
[NASA-CR-187896] 09 p1304 N91-17157
Radiative interactions in chemically reacting supersonic internal flows
[NASA-CR-188067] 12 p1829 N91-20052
Two and three-dimensional shock-shock interactions on the blunt leading edges of the hypersonic inlets 13 p2016 N91-21088
Investigation of nose bluntness and angle of attack effects on slender bodies in viscous hypertension flows
[NASA-CR-188153] 13 p2021 N91-21117
Radiative interactions in laminar duct flows
[NASA-CR-188150] 14 p2262 N91-22513
TIWARI, SURENDRA N.
NASA Langley Research Center HBCU/OMU program: 1990 student support survey
[NASA-CR-188149] 14 p2338 N91-22926
Investigation of radiative interactions in supersonic internal flows
[NASA-CR-188820] 24 p3950 N91-32078
Infrared radiative energy transfer in gaseous systems
[NASA-CR-188925] 24 p4018 N91-32462
TIXADOR, R.
Growth rate of bacteria without and with antibiotic at different levels of gravity 11 p1751 N91-19632
TKACHENKO, V. K.
Visual accommodation in cosmonauts 18 p3024 N91-26697
TKACHOV, F. V.
Multiloop Feynman diagrams and distribution theory. Part 3: UV renormalization in momentum space
[NIKHEF-H/90-17-PT-3] 14 p2327 N91-22855
TKACZYK, J. E.
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788
TO, WAI-MING
A new numerical framework for solving conservation laws: The method of space-time conservation element and solution element
[NASA-TM-104495] 22 p3745 N91-30867
TOBAGI, FOUAD A.
Design and implementation of interface units for high speed fiber optics local area networks and broadband integrated services digital networks
[NASA-CR-187384] 03 p0418 N91-12336
TOBAK, M.
Indicial response approach derived from Navier-Stokes equations. Part 1: Time-invariant equilibrium state
[NASA-TM-102856] 05 p0614 N91-13408
TOBIAS, A. G.
Geographic information systems, 1990
[PB91-108423] 09 p1422 N91-17828
TOBIAS, C. W.
Computer programs for simulation of electrodeposition
[DE91-010203] 15 p2483 N91-23741
TOBIN, J. G.
A photoemission investigation of compound semiconductor monodisperse clusters
[DE91-006707] 11 p1806 N91-19921
Photoelectron diffraction of magnetic ultrathin films: Fe/Cu(001)
[DE91-007254] 11 p1807 N91-19924
TOBIN, K. W.
Evaluation of thermographic phosphor technology for aerodynamic model testing
[DE91-005631] 10 p1461 N91-18060
Dynamic high-temperature-phosphor thermometry
[DE91-005632] 10 p1526 N91-18405
TOBIN, K. W., JR.
Fiber-sensor design for turbine engines
[DE91-010787] 17 p2736 N91-25150
TOBIN, M. T.
The Cascade inertial confinement fusion reactor concept
[DE91-013852] 20 p3420 N91-28966
TOBIN, MICHAEL T.
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010332] 08 p1226 N91-16759
TOBLER, R. L.
Materials studies for magnetic fusion energy applications at low temperatures-13
[PB91-107086] 09 p1406 N91-17737
TOBLIN, KENNETH L.
Interactive constraint-based solid modeling as a design tool
[AD-A239358] 23 p3914 N91-31856
TOBUREN, L. H.
Atomic and molecular physics in the gas phase
[DE91-004811] 07 p1065 N91-15858
TODA, NOBUHIRO
Modification in the main air blower unit for two meter times two meter transonic wind tunnel: Plan and configuration
[NAL-TM-580] 01 p0013 N91-10081
TODD, P. J.
Kinetic energy distributions of ions after surface collisions
[DE91-013412] 20 p3401 N91-28850
TODD, R. A.
Monolithic front end electronics for silicon calorimeters
[DE91-012063] 20 p3338 N91-28484
TODOROKI, JIRO
Theory of longitudinal adiabatic invariant in the helical torus
[NIFS-37] 01 p0127 N91-10749
Adiabatic invariant and evaluation of particle loss in helical torus
[DE90-520199] 04 p0584 N91-13258
TODT, OLIVER
Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121
Cost effectiveness analysis of alternative programs for European participation in lunar development
[ILR-MITT-251(1990)] 22 p3770 N91-31021
TOEDTE, R. J.
Scientific data visualization
[DE91-014216] 20 p3387 N91-28766
TOELLE, WOLFGANG
Promotion of information technology research: German and European strategies. Proceedings of a forum at the Embassy of the Federal Republic of Germany
[PB91-188300] 22 p3767 N91-30998
TOEPPEN, J. S.
A real time collimation sensor using a shear plate and a spatial light modulator
[DE90-011362] 21 p3580 N91-29914
TOERNES, JOHN AA
Development of procedures for verification of alleged use of chemical warfare agents: Application of procedures after a simulated attack on an air base
[FFI-91/6006] 24 p3963 N91-32148
Analysis of samples for the second (1990) round robin interlaboratory exercise
[FFI-91/6004] 24 p3972 N91-32188
TOET, A.
Multi-scale contrast enhancement with applications to image fusion
[IZF-1990-A-9] 05 p0717 N91-14003
Graph morphology
[CWI-AM-R9019] 17 p2843 N91-25710
The construction of a hierarchical morphological graph for data fusion
[IZF-1990-A-38] 22 p3625 N91-30166
Spatiotemporal edge perception
[IZF-1990-B-15] 22 p3719 N91-30698
Introduction to multiresolution morphology
[IZF-1991-A-10] 24 p4072 N91-32753
Advanced multiresolution morphology
[IZF-1991-A-12] 24 p4083 N91-32812

TOFFOLATTI, L.
Extragalactic source counts, confusion limits and contributions to the background radiation in the sub-mm
13 p2173 N91-21995
TOFTS, CHRIS M. N.
Reactive, generative, and stratified models of probabilistic processes
[CWI-CS-R9020] 10 p1587 N91-18746
TOGANO, K.
Solidification of an Al-Pb-Bi alloy under microgravity (TEXUS 13)
23 p3843 N91-31427
TOGNACCINI, R.
Design and testing of a multiblock grid-generation procedure for aircraft design and research
[NLR-TP-89146-U] 23 p3789 N91-31131
TOH, HIDEMI
Aerothermal analysis for gas turbine combustion liner cooling slots
04 p0454 N91-12534
A numerical calculation method for three-dimensional flows in the dump diffuser of gas turbine combustor
04 p0463 N91-12593
Numerical analysis of high velocity flow field around the bluff body
04 p0468 N91-12621
TOHCHI, T.
A new ground data system for Akebono (EXOS-D) satellite
14 p2209 N91-22200
TOHMAZ, ABDUL S.
Experimental study of inlet lips designed to create a uniform exit velocity profile
10 p1456 N91-18026
TOKAMANIS, C.
The 1989-1992 activities: The BRITE EURAM programme in the field of advanced structural materials
03 p0326 N91-11814
TOKAR, R. L.
INEX modeling of the Boeing ring optical resonator free-electron laser
[DE90-016488] 01 p0047 N91-10280
TOKAZ, J. C.
Resource envelope concepts for mission planning
[NASA-TP-3139] 21 p3464 N91-29209
TOKERUD, BARD
NDRE/TAII processor architecture study
[FFI-90/7012] 05 p0699 N91-13891
TOKIMASA, S.
Characteristics of ion beam generated with the 'point pinch diode'
19 p3249 N91-27969
TOKITA, T.
Magneto-optical record media
[DE91-017838] 24 p4022 N91-32476
TOKUDA, SHINJI
Effects of current profiles on the kink-ballooning stability
[DE91-772218] 17 p2870 N91-25874
TOKUNAGA, A. T.
Detection of the 3.4 micron emission feature in comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko (1989r) and an observational summary
12 p2005 N91-21032
Limit on the CH4/CO ratio in Comet Levy (1990c) and comparisons with other comets
17 p2897 N91-26013
TOKUNAGA, ALAN T.
High-spectral resolution observations of the 3.29 micron emission feature: Comparison to QCC and PAHs
06 p0891 N91-14925
Absorption features in the 3 micron spectra of highly obscured objects
06 p0898 N91-14965
The 3.4 micron emission in comets
06 p0906 N91-15006
TOLAND, JOEL
Intelligent tutoring systems for systems engineering methodologies
[NASA-CR-188586] 16 p2672 N91-24791
TOLBERT, A. K.
The 1980 solar maximum mission event listing
[NASA-TM-4287] 18 p3091 N91-27087
TOLBERT, L. M.
The organic chemistry of conducting polymers
[DE91-009520] 13 p2056 N91-21316
TOLCOTT, MARTIN A.
Examining the effect of information order on expert judgment
[AD-A239708] 23 p3901 N91-31774
TOLIVER, WILLIAM L.
Re-examine liquid propellant nitromethane hazard classification parameters and address the hazards classification of various slurry mixtures
[AD-A225625] 04 p0510 N91-12834
TOLLE, J. W.
Convergence properties of a class of Rank-Two updates
[PB91-187799] 22 p3744 N91-30863
TOLLEFSON, J. C.
Personnel launch system autoland development study
[NASA-CR-187495] 10 p1473 N91-18116
TOLLER, GARY N.
Diffuse galactic light observations at 206 selected areas
06 p0889 N91-14914
TOLLESON, J. B.
Ka-band MMIC microstrip array for high rate communications
[NASA-TM-104500] 19 p3154 N91-27437
TOLLESTRUP, E. V.
An infrared jet in Centaurus A (NGC 5128): Evidence for interaction between the active nucleus and the interstellar medium
05 p0749 N91-14175
TOLLIN, G.
Photochemical energy conversion by membrane-bound photoredox systems
[DE91-012171] 18 p3021 N91-26682
TOLLIVER, J. S.
The effect of realistic antenna geometries on plasma loading predictions
[DE91-010782] 15 p2411 N91-23353
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
TOLLS, VOLKER
New Cologne acousto-optical spectrometer projects
13 p2179 N91-22034
TOLMAN, HENDRIK LIEUWE
Wind wave propagation in tidal seas
[REPT-90-1] 01 p0095 N91-10550
TOLMIE, D. E.
Local area gigabit networking
[DE91-014780] 23 p3916 N91-31869
Present and future supercomputer network architectures
[DE91-018035] 24 p4091 N91-32855
What's happening with supercomputer networks?
[DE91-018036] 24 p4091 N91-32856
TOLMUNEN, T.
Development of components for submillimeter wave heterodyne radiometers at JPL
13 p2176 N91-22017
TOLSON, ROBERT HEATH
Integrated control of thermally distorted large space antennas
23 p3854 N91-31487
TOLSTOY, E.
Neutral hydrogen in the starburst galaxy NGC3690/IC694
05 p0735 N91-14104
TOM, BALDWIN H.
Space and biotechnology: An industry profile
[NASA-CR-187034] 04 p0550 N91-13051
TOMANEK, DAVID
First principles theory of the interaction of hydrogen with surfaces and bulk of transition metals
[AD-A231248] 13 p2051 N91-21285
TOMASANIS, DOUGLAS
Effective dielectric constants of foliage media
[AD-A226296] 04 p0542 N91-13008
TOMAYKO, JAMES E.
Experiences porting the distributed Ada real-time kernel
[AD-A226693] 06 p0859 N91-14742
Software configuration management
[AD-A235702] 19 p3220 N91-27798
APSE interactive monitor: A software artifact for software engineering education
[AD-A235777] 19 p3221 N91-27807
TOMBLIN, M.
A quantitative investigation into the aerodynamic coupling effects in a coaxial contra-rotating rotor system
[BU-517] 14 p2194 N91-22120
TOMBRELLO, T. A.
Application of MeV ions to the analysis and modification of high temperature superconducting materials
[DE91-007317] 11 p1808 N91-19927
TOMEI, E. J., JR.
Quality function deployment in launch operations
[AD-A230983] 13 p2033 N91-21178
TOMENO, I.
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
TOMENO, IZUMI
Specific heat of YBa2Cu4O8 near Tc
[DE91-005898] 10 p1605 N91-18853
TOMER, A.
Microstructure, composition, and hardness of Rockwell C hardness blocks
[PB91-184747] 22 p3690 N91-30545
TOMINAGA, KEISUKE
Ultrafast charge separation in ADMA experiment, simulation, and theoretical issues
[AD-A235486] 19 p3241 N91-27922
Ultrafast studies on electron transfer
[AD-A235487] 19 p3241 N91-27923
Reaction in rates in the phenomenological adiabatic excited state electron transfer theory
[AD-A235583] 19 p3241 N91-27925
TOMIOKA, KENJI
Vibration testing of a 1/5 scale model of H-2 launch vehicle
[NAL-TR-1061] 01 p0016 N91-10099
TOMISAKA, KOHJI
Evolution of magnetized, rotating, isothermal clouds
05 p0753 N91-14191
TOMITA, HIROSHI
Scintillation observed on the GMS communication link
16 p2650 N91-24668
TOMITA, K.
Management and operation of environmental test facility complex
07 p0951 N91-15225
TOMITA, KENJI
Gravitational field of static and thick domain walls
[DE90-513706] 02 p0239 N91-11331
Observational relations in model universes dominated by domain-wall-like matter
[DE91-744969] 11 p1818 N91-19988
Gravitational lens effect of wall-like objects and its cosmological implications
[DE91-744976] 11 p1819 N91-19992
TOMITA, T.
Thirteen meter diameter space simulation test facility
07 p0952 N91-15228
TOMIYAMA, TETSUO
Representation and implementation of design knowledge for intelligent CAD: Implementation aspects
[CWI-CS-R9071] 17 p2835 N91-25670
Modeling design processes
[CWI-CS-R9059] 17 p2840 N91-25687
Representation and implementation of design knowledge for intelligent CAD: Theoretical aspects
[CWI-CS-R9070] 17 p2841 N91-25699
TOMKINS, B. A.
Characterization of rocket propellant combustion products: Description of sampling and analysis methods for rocket exhaust characterization studies
[DE91-002536] 05 p0644 N91-13574
TOMLINS, P. E.
Dynamic mechanical properties and morphology of a polyethylene/polycarbonate blend
[NPL-DMM(A)-11] 12 p1876 N91-20312
Creep and physical ageing in PVC at high stresses
[NPL-DMM(A)-17] 12 p1876 N91-20313
TOMLINSON, B. N.
Computer-aided control law research: From concept to flight test
07 p1044 N91-15731
TOMLINSON, BARBARA S.
Aerobraking for capture into Martian orbit
09 p1292 N91-17102
TOMLINSON, J. J.
Thermal energy storage
[DE91-010455] 17 p2805 N91-25504
TOMLINSON, J. T.
Applications and challenges for thermal energy storage
[DE91-012873] 20 p3367 N91-28654
TOMLINSON, JOHN J.
Thermal energy storage technologies for heating and cooling applications
[DE91-005609] 10 p1539 N91-18472
TOMMASO, G.
Results and considerations on failure investigations of components used for space equipment
24 p4001 N91-32365
TOMOZAWA, MINORU
Mechanism of mechanical fatigue of silica glass
[DE91-004053] 05 p0642 N91-13565
TOMPKINS, J. A.
Radioluminescent (RL) airfield lighting system program
[DE91-001007] 07 p0946 N91-15186
Florida radioluminescent taxiway light development program
[DE91-005650] 11 p1652 N91-19104
Radioluminescent (RL) lighting system development program
[DE91-009743] 15 p2416 N91-23381
TOMSIA, A. P.
Reactive metal brazing of aluminum nitride
[DE91-010867] 17 p2759 N91-25277
TOMSIA, ANTONIA P.
Joining alumina to sapphire for copper vapor laser tubes
[AD-A226619] 06 p0815 N91-14501
TOMSON, ANNA
Unicellular algae in space. 1: Preparatory tests
11 p1753 N91-19639
Unicellular algae in space. 2: Sounding-rocket experiment
11 p1753 N91-19640
Unicellular algae in space. 3: Addendum
11 p1753 N91-19641

TONEY, MICHAEL F.
In-situ surface x ray scattering measurements of electrochemically deposited bismuth on silver (III): Structure, compressibility, and comparison with ex-situ leed measurements
[AD-A232624] 15 p2505 N91-23880
Surface x ray scattering measurements of the substrate induced spatial modulation of an incommensurate adsorbed monolayer
[AD-A232625] 15 p2518 N91-23959
TONG, CHARLES
Multilevel filtering elliptic preconditioners
[NASA-CR-188851] 24 p4089 N91-32845
TONG, J.
A numerical study of silane combustion
[DE90-006002] 08 p1107 N91-16080
TONG, MIKE
High temperature NASP engine seals: A technology review
[NASA-TM-104468] 22 p3689 N91-30538
Experimental and analytical analysis of stress-strain behavior in a (90/0 deg)2s, SiC/Ti-15-3 laminate
[NASA-TM-104470] 23 p3807 N91-31235
TONG, MIKE T.
Thermal and structural assessments of a ceramic wafer seal in hypersonic engines
[NASA-TM-103651] 05 p0623 N91-13456
TONG, S. Y.
Photoelectron diffraction of magnetic ultrathin films: Fe/Cu(001)
[DE91-007254] 11 p1807 N91-19924
TONG, WILLIAM M.
X ray diffraction and electron spectroscopy of epitaxial molecular C60 films
[AD-A232152] 15 p2517 N91-23954
TONKAY, GREGORY
Robot tracking system improvements and visual calibration of orbiter position for radiator inspection 11 p1826 N91-20037
TONKS, D. L.
CHARADE: A characteristic code for calculating rate-dependent shock-wave response
[DE91-006791] 10 p1506 N91-18291
Dynamic plasticity in transition from thermal activation to viscous drag
[DE91-013031] 20 p3361 N91-28617
The DataShoP: A database of weak-shock constitutive data
[DE91-013349] 20 p3361 N91-28620
TONN, B.
The case for lower probabilities as measures of uncertainty
[DE91-017870] 24 p4093 N91-32870
TONN, WOLFGANG
Vegetative index for Europe 04 p0541 N91-12999
TONON, T.
Research on stable, high-efficiency, large-area, amorphous-silicon-based submodules
[DE91-002167] 22 p3700 N91-30603
TONTERI, H.
Hydrogen storage in metal hydrides
[DE91-746267] 11 p1691 N91-19316
TOOMRE, JURI
Laboratory and theoretical models of planetary-scale instabilities and waves 08 p1183 N91-16511
Laboratory and theoretical models of planetary-scale instabilities and waves 24 p4059 N91-32675
TOOMS, S.
Using a fast Fourier method to model sound propagation in a stratified atmosphere over a stratified porous-elastic ground 08 p1216 N91-16692
TOOSSI, MOSTAFA
Development and application of a technique for reducing airframe finite element models for dynamics analysis
[NASA-CR-187448] 07 p1021 N91-15607
Finite element modeling of the higher harmonic controlled OH-6A helicopter airframe
[NASA-CR-187449] 09 p1352 N91-17428
Plan, formulate, and discuss a NASTRAN finite element model of the AH-64A helicopter airframe
[NASA-CR-187446] 10 p1534 N91-18445
TOOT, G. DAVID
Solar flare hard and soft x ray relationship determined from SMM HXRBS and BCS data 17 p2884 N91-25940
TOPP, DANNY J.
Fluorescent lifetime measurements of rare Earth elements in gallium arsenide
[AD-A229865] 11 p1681 N91-19265
TOPUDURTI, K.
Ultrox international ultraviolet radiation/oxidation technology: Applications analysis report
[PB91-129759] 17 p2806 N91-25512
TORBERT, R.
The collective gyration of a heavy ion cloud in a magnetized plasma
[NASA-CR-187823] 22 p3757 N91-30943
TORBO, PER
From Earth to space and back: Selected papers on Norwegian space activities
[NSC-REPT(90)2] 13 p2029 N91-21159
TORCZON, VIRGINIA
Parallel optimization and inverse problems
[AD-A233371] 16 p2613 N91-24467
TORCZYNSKI, J. R.
Measurements of passive-scalar spectra for grid turbulence using a nonlinear optical technique
[DE91-005310] 15 p2507 N91-23892
TORELLI, M.
Performances of an emulator farm for the data processing of high energy physics experiments
[ETN-91-98880] 12 p1979 N91-20889
TORELLI, P. L.
Evaluation of the optimal homing point for missile guidance 17 p2733 N91-25135
TORGERSEN, T.
Helium isotopic constraints on terrestrial degassing and the transcrustal transport of mantle methane
[PB91-206458] 24 p4044 N91-32594
TORGESON, D. R.
Nuclear magnetic resonance survey of hydrogen motion and electronic structure in (alpha)-phase (Nb-Mo)-H alloys
[DE90-018044] 02 p0197 N91-11101
Novel measurements of nuclear spin cross-relaxation in metal hydrides
[DE90-018042] 02 p0268 N91-11503
TORICK, R. J., JR.
Nozzle vector angle determination using a laser measurement system 16 p2575 N91-24274
TORIGAKI, TOSHIKAZU
Contact and impact problems using adaptive finite element methods 02 p0221 N91-11239
TORKAR, K.
Possibilities of charged particle injection from spacecraft for active diagnostics of the surrounding plasma and active spacecraft potential control 01 p0072 N91-10437
TORKELSON, JAMES E.
Improvement in the capacity and safety of lithium/inorganic electrolyte sulfur dioxide rechargeable cells, phase 2
[AD-A235303] 18 p3004 N91-26589
TORKI, KHOLDOUN
The study of a built-in self test strategy for the SYCO silicon compiler
[ETN-91-99475] 22 p3730 N91-30763
TORMA, A. E.
Mechanisms of bacterial metals removal from solids
[DE91-012808] 20 p3316 N91-28356
TORO, E. F.
Numerical computation of two-dimensional unsteady detonation waves in high energy solids
[CRANFIELD-AERO-9013] 12 p1899 N91-20443
TVD regions for the Weighted Average Flux (WAF) method as applied to a model hyperbolic conservation law
[CRANFIELD-AERO-8907] 12 p1972 N91-20847
Riemann problems and the WAF method for the two-dimensional shallow water equations
[CRANFIELD-AERO-9005] 15 p2427 N91-23443
TORODE, H. A.
Review of the spring 1988 AGARD FMP symposium 06 p0772 N91-14280
TOROK, MICHAEL SCOTT
A coupled rotor aeroelastic analysis utilizing advanced aerodynamic modeling 08 p1094 N91-16006
TORONJADZE, T. A.
Asymptotic theory of M-estimators in general statistical models. Part 1: On asymptotic behaviour of estimators under model disturbance
[CWI-BS-R9019-PT-1] 10 p1587 N91-18747
Asymptotic theory of M-estimators in general statistical models. Part 2: On asymptotic behaviour of estimators in the presence of nuisance parameters
[CWI-BS-R9020-PT-2] 10 p1587 N91-18748
TOROSHELIDZE, T. I.
Investigation of the night sky airglow near the epicenter of the earthquake 06 p0923 N91-15107
TORR, D. G.
Properties of large scale plasma flow during the early stage of the plasmaspheric refilling
[NASA-TM-103446] 01 p0073 N91-10441
Neutral winds derived from IRI parameters and from the HWM87 wind model for the sundial campaign of September, 1986
[NASA-TM-103445] 01 p0093 N91-10543
A tentative explanation of cosmological red shift 08 p1258 N91-16928
TORR, DOUGLAS G.
Engineering support for an ultraviolet imager for the ISTP mission
[NASA-CR-184138] 14 p2235 N91-22364
Differential collision cross-sections for atomic oxygen
[NASA-CR-187892] 16 p2682 N91-24847
TORRANCE, PAUL R.
Saturation point model for the formation of metal nitrate in nitrogen tetroxide oxidizer
[NASA-TP-3107] 16 p2626 N91-24542
TORRE, J. M.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
TORREAO, JOSE RICARDO DEALMEIDA
A Bayesian approach to 3-D shape estimation for robotic vision 16 p2687 N91-24877
TORRELLES, J. M.
VLA observations of ammonia in Herbig-Haro 1-2 10 p1622 N91-18949
TORRENCE, GEOFFREY W.
Satellite sound broadcast propagation studies and measurements 03 p0352 N91-11964
TORRES, FRANCISCO J.
Wake coupling to full potential rotor analysis code
[NASA-TM-102805] 01 p0003 N91-10013
TORTI, RICHARD
A superconducting large-angle magnetic suspension 13 p2035 N91-21191
TORTORELLI, P. F.
Influence of oxide reinforcement materials on high-temperatue oxidation resistance of Ni3Al matrix composites
[DE91-001625] 05 p0632 N91-13498
Initial determination of the micromechanical properties of oxide scales
[DE90-012164] 23 p3817 N91-31291
TORVEN, S.
Potential drops supported by ion density cavities in the dynamic response of plasma diode to an applied field
[TRITA-EPP-90-03] 02 p0273 N91-11531
The dynamic response of an inhomogeneous plasma diode to an applied electric field
[TRITA-EPP-90-05] 22 p3757 N91-30941
TORVIK, PETER J.
On the maximum range of flying wings
[AD-A229487] 24 p3960 N91-32130
TORVIKOSKI, TIMO
A solution for the man/machine-interface in robotics: A high level control language with enhanced interaction equipment 15 p2490 N91-23789
An interactive robot control system 15 p2490 N91-23790
TOSI, M. P.
Structure breaking and electron localization in liquid cryolite-sodium solutions
[DE91-618515] 16 p2607 N91-24448
TOSNEY, W. F.
The effectiveness and cost benefits of satellite enviromental acceptance tests 07 p0951 N91-15221
TOSTEVIN, D. J.
Flutter suppression of an aircraft wing using a control surface
[BU-506] 14 p2197 N91-22133
TOSUNOGLU, SABRI
Dynamic modeling, property investigation, and adaptive controller design of serial robotic manipulators modeled with structural compliance
[NASA-CR-187678] 05 p0670 N91-13722
TOTAH, JOSEPH J.
Rotor and control system loads analysis of the XV-15 with the advanced technology blades
[NASA-TM-102876] 20 p3279 N91-28134
TOTH, CS.
High brightness electron beam production by laser induced various order multiphoton photoeffects of gold
[DE91-009150] 13 p2092 N91-21514
TOTH, LOU
A machinable oxide ceramic
[AD-D014752] 12 p1876 N91-20311
TOTH, RICHARD P.
Mode-stirred chamber measurements of the shielding effectiveness of select cables and connectors
[DE91-000466] 04 p0518 N91-12879
Microwave coupling on printed circuit boards
[DE90-011237] 08 p1133 N91-16232
TOTHILL, M. H.
Turbine blade heat transfer coefficient determination using optical pyrometry 03 p0373 N91-12089
TOTTEN, J. J.
Large-strain quasi-static compression materials tests in support of penetration modeling research
[DE91-004147] 10 p1532 N91-18438
The SNL, Livermore, Hopkinson bar apparatus for compressive materials testing at high strain-rates
[DE91-013132] 20 p3360 N91-28612

TOUGH, R. J. A.
The coordinate-free representation of rotational motions
[RSRE-MEMO-4445] 15 p2500 N91-23846
TOUR, JAMES M.
Organometallics for conducting polymer synthesis and starburst polymer synthesis
[AD-A235933] 19 p3140 N91-27351
Facile Li/HMPA-promoted polymerization method for the synthesis of soluble poly(phenylenes)
[AD-A236236] 19 p3141 N91-27358
Synthesis of poly(phenylenes) by a rapid polymerization of 1-bromo-4-lithiobenzene using HMPA
[AD-A236237] 19 p3141 N91-27359
Approaches to orthogonally fused conducting polymers for molecular electronics
[AD-A236253] 19 p3142 N91-27361
TOURDE, R.
Sensitivity to the external temperature of some GPS time receivers 17 p2854 N91-25780
TOURETZKY, DAVID S.
Controlling search dynamics by manipulating energy landscapes
[AD-A225719] 04 p0553 N91-13068
Phonological rule induction: An architectural solution
[AD-A225797] 04 p0562 N91-13117
TOURNADRE, J.
Wind and sea state local climatology by means of satellite radar altimeter measurements
15 p2454 N91-23599
TOURNIER, C.
Micrographic etching of nitrided iron and steel layers
[CETIM-106470] 05 p0637 N91-13533
TOURYAN, K. J.
Experimental and analytical study of laser-triggering in the Rimfire switch
[DE91-014662] 21 p3509 N91-29483
Laser triggered spark gap modeling
[DE91-014831] 21 p3521 N91-29557
TOUZENE, ABDEREZAK
Optimal multinode broadcast on a mesh connected graph with reduced bufferization
[RR-825-I] 15 p2413 N91-23362
TOVERUD, MORTEN
Design of a processing facility for synthetic aperture radar data at the Tromso ERS-1 ground station
13 p2029 N91-21161
TOW, D. M.
Acousto-optic signature analysis for inspection of the orbiter thermal protection tile bonds
10 p1487 N91-18196
TOWERS, C. E.
The application of Particle Image Velocimetry (PIV) in a short duration transonic annular turbine cascade
[AD-A236639] 20 p3341 N91-28504
TOWERS, O. L.
Process modelling
[PNR-90716] 03 p0342 N91-11915
TOWLSON, W. A.
Cryogenic mechanisms for scanning and interchange of the Fabry-Perot interferometers in the ISO long wavelength spectrometer 16 p2641 N91-24614
TOWN, J. P.
Technology transfer needs assessment, 1990
[PB91-125674] 13 p2171 N91-21985
TOWNES, C. H.
The 158 micrometer (CII) line: A measure of global star formation activity in galaxies
[NASA-CR-187925] 08 p1267 N91-16977
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009
TOWNES, CHARLES H.
The (C II) 158 micron line mapping of spiral galaxies
13 p2173 N91-21996
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
TOWNS, JOHN W.
Star formation in infrared bright and infrared faint starburst interacting galaxies 08 p1253 N91-16901
IUE observations of interacting starburst galaxies
09 p1446 N91-17978
TOWNSEND, D. P.
Modal analysis of multistage gear systems coupled with gearbox vibrations
[NASA-TM-103797] 15 p2439 N91-23513
TOWNSEND, DENNIS P.
Effects of gear box vibration and mass imbalance on the dynamics of multi-stage gear transmissions
[NASA-TM-103695] 13 p2095 N91-21534
Comparison of analysis and experiment for dynamics of low-contact-ratio spur gears
[NASA-TM-103232] 14 p2271 N91-22566
Evaluation of advanced lubricants for aircraft applications using gear surface fatigue tests
[NASA-TM-104336] 14 p2271 N91-22568
Surface fatigue life of M50NiL and AISI 9310 spur gears and R C bars
[NASA-TM-104496] 19 p3177 N91-27569
Dynamic measurements of gear tooth friction and load
[NASA-TM-103281] 19 p3178 N91-27570
Effect of two synthetic lubricants on life of AISI 9310 spur gears
[NASA-TM-104352] 21 p3528 N91-29599
TOWNSEND, G. C.
Simulation of radiation induced circuit failure modes in SOS integrated circuits 24 p3999 N91-32351
TOWNSEND, LAWRENCE W.
Inclusive inelastic scattering of heavy ions and nuclear correlations
[NASA-TP-3026] 05 p0714 N91-13985
Space radiation dose analysis for solar flare of August 1989
[NASA-TM-4229] 05 p0768 N91-14265
Cellular track model of biological damage to mammalian cell cultures from galactic cosmic rays
[NASA-TP-3055] 08 p1268 N91-16981
Preliminary analysis of a radiobiological experiment for LifeSat
[NASA-TM-4236] 09 p1450 N91-17998
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
Corrections to the participant-spectator model of high-energy alpha-particle fragmentation
[NASA-TM-4262] 13 p2152 N91-21860
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
TOWNSEND, PETER E.
Study of space qualification specifications
[CTN-91-60201] 23 p3801 N91-31199
TOWNSEND, V. W.
SAFENET 2 fiber optic implementation study
[AD-A238044] 21 p3582 N91-29929
TOYAMA, Y.
Telescience testbed result for Japanese experiment module 14 p2224 N91-22298
TOYAMA, YOSHIHITO
Completeness of combinations of constructor systems
[CWI-CS-R9058] 17 p2849 N91-25748
TRAAS, C. R.
Constructing bivariate simplicial spline spaces of class C sup 1
[MEMO-870] 04 p0575 N91-13198
TRAAS, CORNELIS
Fitting scattered data on spherelike surfaces using tensor products of trigonometric and polynomial splines
[MEMO-909] 23 p3921 N91-31904
TRABERT, SUSAN
Directory of Federal laboratory and technology resources: A guide to services, facilities, and expertise
[ISBN-0-934213-21-6] 16 p2705 N91-24971
TRACEY, KAREN
The SYNOP experiment: Inverted echo sounder data report for October 1987 to May 1988
[AD-A227232] 06 p0851 N91-14699
TRACHTMAN, EYAL
Performance evaluation of partial response continuous phase modulation: Discriminator detection
[ITN-91-85145] 20 p3335 N91-28470
TRACI, RICHARD M.
Simulant gas test technique feasibility
[AD-A224878] 04 p0470 N91-12634
TRACY, C. E.
Electrochromic sun control coverings for windows
[DE90-000335] 08 p1117 N91-16139
TRACY, GREGORY D.
Failure mechanisms in a quasi-isotropic ceramic composite laminate under tensile fatigue loading
[AD-A230470] 12 p1863 N91-20234
TRACY, M. B.
Effects of yaw angle and Reynolds number on rectangular-box cavities at subsonic and transonic speeds
[NASA-TP-3099] 19 p3099 N91-27124
TRACZ, WILL
Design software for reuse
[NASA-CR-187917] 14 p2303 N91-22720
A conceptual model for megaprogramming
14 p2304 N91-22730
TRAGL, KARL
Polarimetric radar observations of time-variant random targets
[DLR-FB-90-52] 15 p2412 N91-23356
TRAHAIR, N. S.
Out-of-plane strengths of steel beams
[PB91-137471] 16 p2644 N91-24637
TRALSHAWALA, N.
Tunneling spectroscopy measurements on low-leakage junctions of Nd(1.85)Ce(0.15)CuO(4-y) and Ba(1-x)K(x)BiO3
[DE91-006585] 09 p1418 N91-17806
TRAN, AN VAN
Bio-optical profile data report: Joint Global Ocean Flux Study, Hawaii Ocean Time-Series, HOT-3, R/V Moana Wave, 6-10 January 1989
[NASA-CR-187805] 08 p1189 N91-16534
TRAN, B. N.
Fuselage shell and cavity response measurements on a DC-9 test section
[NASA-CR-187557] 23 p3924 N91-31926
Analysis of interior noise ground and flight test data for advanced turboprop aircraft applications
[NASA-CR-187558] 23 p3924 N91-31927
TRAN, C. V.
Cramer-Rao Bound, MUSIC, and maximum likelihood. Effects of temporal phase difference
[AD-A230259] 12 p1973 N91-20854
TRAN, DOAN MINH
A collision detection algorithm for telerobotic arms
12 p1939 N91-20666
TRAN, DUC MINH
Equations of motion of multibody systems in the ESA-MIDAS software
[ESA-STR-232] 03 p0402 N91-12237
TRAN, DUONG HIEN
Deterministic and stochastic sensitivity in computational structural mechanics
[ISSN-0208-5658] 13 p2102 N91-21571
TRAN, HUY K.
Composite flexible insulation for thermal protection of space vehicles
[NASA-TM-103836] 11 p1688 N91-19304
TRAN, JEAN-MARIE Q.
Analysis of 200 Hz CW tone propagation signal recorded during the September 1987 VLA experiment
[AD-A231053] 13 p2072 N91-21414
High resolution beamforming on large aperture vertical line arrays: Processing synthetic data
[AD-A231054] 13 p2072 N91-21415
A 200 Hz matched field processing on the September 1987 VLA data set
[AD-A231096] 13 p2124 N91-21692
TRAN, LE TRONG
Prediction of rotor surface unsteady pressure and heat transfer from wake passing 23 p3864 N91-31549
TRAN, N. H.
Photometric-photogrammetric analysis of video images of a venting of water from Space Shuttle Discovery
[AD-A233452] 16 p2565 N91-24219
TRAN, PHOUC X.
Complex route to chaos in velocity driven atoms
[AD-A230051] 12 p1976 N91-20870
TRAN, T.
Modeling the environment of a mobile security robot
[AD-A233074] 16 p2676 N91-24809
TRANGENSTEIN, JOHN A.
A comparison of two numerical methods for shocks in one-dimensional elastic-plastic solids
[DE91-001741] 05 p0677 N91-13765
TRANI, A. A.
Runway exit designs for capacity improvement demonstrations. Phase 1: Algorithm development
[NASA-CR-187955] 09 p1285 N91-17065
TRANQUADA, J. M.
Neutron scattering studies of spin correlations in metallic YBa2Cu3O(6+x)
[DE91-013794] 20 p3431 N91-29031
TRANQUILLE, C.
Space environment analysis tools
07 p0961 N91-15291
TRANS, THIERRY
Interactive graphical programming of nonrepetitive contact manipulation tasks
[LAAS-90371] 12 p1968 N91-20829
TRAPP, J. A.
Particle-fluid two-phase flow modeling
[DE91-010102] 15 p2422 N91-23415
TRASK, THOMAS W.
Optical fiber-to-channel waveguide coupler
[AD-D014598] 07 p0984 N91-15399
TRATNIK, M. V.
Polarization modulated solitary waves in an optical fiber
[DE90-015034] 01 p0121 N91-10715
TRAUGOTT, W.
SOLTECH 91: Proceedings, volume 2
[DE91-013767] 20 p3368 N91-28656
SOLTECH 91: Proceedings, volume 1
[DE91-002163] 20 p3368 N91-28658
TRAUTMANN, K. H.
Crack behaviour of 2024-T3, 2090-T8E41 and 7075-T6 under constant amplitude and different types of variable amplitude loading, especially Gaussian loading
02 p0223 N91-11244

TRAUTMANN, P.
Regional air traffic into international airports: The development in regional air traffic
03 p0308 N91-11722
TRAVERSE, PASCAL
Civil applications trends 04 p0482 N91-12684
The electrical flight control system of A320 Airbus: A fault tolerant system
[REPT-911-111-103] 15 p2383 N91-23192
TRAVIS, B.
Simulation of pore scale porous media flow using lattice gas methods
[DE91-004829] 18 p2986 N91-26484
TRAVIS, B. J.
A computational model of the cerebellum
[DE91-004824] 10 p1563 N91-18600
TRAVIS, BRYAN J.
Numerical models of 2-D and 3-D geophysical convection
[DE90-014979] 02 p0238 N91-11330
TRAVIS, D. J.
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-008832] 12 p1902 N91-20464
TRAVIS, D. T.
Florida radioluminescent taxiway light development program
[DE91-005650] 11 p1652 N91-19104
TRAVOR, BRUCE W.
Vehicle steering device
[AD-D014861] 18 p2994 N91-26537
TRAWEEK, LARRY
The materials processing sciences glovebox
07 p1080 N91-15942
TRAYBAR, J. J.
Decision-height windows for decelerating approaches in helicopters: Pilot/vehicle factors and limitations
[DOT/FAA/CT-90/14] 19 p3103 N91-27145
TRAYBAR, JOSEPH J.
Determination of decision-height windows for decelerating IMC approaches in helicopters
15 p2372 N91-23124
TRAYNOR, G. W.
Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626
TRAYNOR, PETER T.
The study of space communications spread spectrum systems. Part 1: Saw-based joint group demodulation of frequency shift keyed and differential phase shift keyed signals
[QU-90-1-PT-1] 21 p3495 N91-29395
TREASE, H. E.
A three-dimensional free-Lagrange code for multimaterial flow simulations
[DE91-002309] 15 p2424 N91-23428
TREBES, J.
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
TREBES, J. E.
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
TREDICI, THOMAS J.
Choroidal nevi in USAF aviators
[AD-A233042] 16 p2663 N91-24735
Publications and presentations of the Opthalmology Branch, USAF School of Aerospace Medicine, 1981-1990
[AD-A239458] 24 p4073 N91-32754
TREFNY, CHARLES J.
Overview of NASP nozzle research
12 p1836 N91-20093
TREGLIO, J. R.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461
TREHAN, A. K.
Cooling performance evaluation of a high-efficiency variable-speed electric heat pump in a contemporary research house
[PB91-159574] 17 p2779 N91-25379
TREICHEL, R.
The slow-rotating centrifuge microscope (NIZEMI): A new research tool for terrestrial and space-related gravitational biology 11 p1757 N91-19663
TREIL, N.
Image wavelet decomposition and applications
[NASA-CR-188217] 15 p2490 N91-23787
TREINISH, LLOYD A.
Correlative visualization techniques for multidimensional data
[NASA-TM-105073] 22 p3764 N91-30982
TREISMAN, ANNE
Visual information-processing in the perception of features and objects
[AD-A230488] 12 p1966 N91-20821
TREJO, LEONARD J.
The P300 component of the auditory event-related potential: Interlaboratory consistency and test-retest reliability
[AD-A235114] 18 p3029 N91-26725
TREMBACK, C.
Mesoscale modeling of precipitation scavenging by a cold-frontal squall line
[DE91-015534] 21 p3545 N91-29695
TREMBACK, CRAIG J.
Numerical simulation of a mesoscale convective complex: Model development and numerical results
09 p1363 N91-17490
TRENARY, MICHAEL
Scanning tunnelling microscope for boron surface studies
[AD-A234716] 18 p2979 N91-26452
TRENBERTH, K. E.
Global monthly sea surface temperature climatology
[PB91-129304] 13 p2120 N91-21669
TRENHOLME, J. B.
Upgrade of the LLNL Nova laser for inertial confinement fusion
[DE91-008060] 11 p1712 N91-19430
TRENT, WILLIAM
National airspace system. Communications operational concept NAS-SR-136
[DOT/FAA/SE-91/1] 16 p2557 N91-24185
Navigation operational concept
[NAS-SR-134] 22 p3616 N91-30117
TRENTELMAN, H. L.
The finite horizon singular time-varying H infinity control problem with dynamic measurement feedback
[MEMO-COSOR-89-33] 08 p1209 N91-16652
TRESANSKY, GEORGE
A technique for measuring the solubilities of gases in liquids
[AD-A238071] 21 p3476 N91-29278
TRESSLER, RICHARD E.
The high temperature creep behavior of oxides and oxide fibers
[NASA-CR-187060] 12 p1864 N91-20241
TRETHEWEY, BRUCE RODNEY, JR.
Mechanics and performance of composite laminates with discontinuous internal plies
07 p0968 N91-15315
TRETMANS, JAN
Test case derivation from LOTOS specifications
[MEMO-INF-90-21] 01 p0110 N91-10643
Conformance testing
[MEMO-INF-90-86] 22 p3737 N91-30815
TRETOUT, HERVE
Infrared thermography development for material evaluation of Hermes space plane components
03 p0330 N91-11839
TREUMANN, R. A.
Plasma diffusion at the magnetopause? The case of lower hybrid drift waves
[NASA-CR-188913] 23 p3929 N91-31957
TREVISAN, R. H.
An unusual case of meter wave type-3 bursts leading millimeter-wave bursts
[INPE-5140-PRE/1628] 13 p2183 N91-22064
TREW, R. J.
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device structures
[AD-A225883] 04 p0518 N91-12885
Growth, characterization and device development in monocrystalline diamond films
[AD-A230186] 12 p1873 N91-20293
Active devices for monolithic millimeter-wave integrated circuits
[AD-A234033] 18 p2978 N91-26440
Growth, characterization, and device development in monocrystalline diamond films
[AD-A237463] 21 p3595 N91-30000
Low-loss coupling to dielectric resonators
[NASA-TM-104111] 22 p3669 N91-30430
TREW, ROBERT J.
Noise characteristics of passive components for phased array applications
[NASA-CR-187819] 22 p3751 N91-30907
TREXLER, CARL
Tests in helium illustrate high Mach number inlet-forebody interactions 17 p2772 N91-25338
TRIAS, JOHN
Laser-based display technology development at the Naval Ocean Systems Center (NOSC)
[AD-A236968] 19 p3172 N91-27538
TRIAS, JOHN A.
High definition video-rate laser-addressed liquid-crystal light-valve projection display
[AD-D014891] 19 p3244 N91-27943
TRIBBLE, A. C.
A flight experiment to determine GPS photochemical contamination accumulation rates
11 p1662 N91-19159
TRIBBLE, PETER C.
Hot gas and magnetic fields in clusters of galaxies
07 p1084 N91-15963
TRIBULA, DANA
A microstructural study of creep and thermal fatigue deformation in 60Sn-40Pb solder joints
[DE91-005404] 09 p1315 N91-17220
TRIEBSTEIN, HERMANN
Determination of unsteady aerodynamic forces on engines with a view to flutter investigations
02 p0160 N91-10927
TRIER, STANLEY B.
Taiwan area mesoscale experiment: A guide to precipitation patterns during the 1987 field phase
[PB90-256355] 02 p0239 N91-11336
TRIFOGLIO, M.
The design of the SAX scientific data archive for a quick look at the rotational control centre
14 p2223 N91-22295
TRIGUI, N.
Stochastic estimation of coherent structures and their dynamics in transitional and turbulent boundary layers
[AD-A236231] 19 p3164 N91-27494
TRILLAS, E.
A review of some aspects on designing fuzzy controllers 17 p2733 N91-25132
TRIMARCHI, PAUL A.
Probe insertion apparatus with inflatable seal
[NASA-CASE-LEW-14965-1] 05 p0671 N91-13732
TRIMBLE, VIRGINIA
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030
TRIMBOLI, M. S.
Bounded-error data, and frequency response design
[OUEL-1766/89] 01 p0116 N91-10683
H 2 and H infinity approximations for eigenvalue/vector functions of transfer matrices
[OUEL-1778/89] 01 p0116 N91-10684
TRINH, E. H.
Proceedings of the First Workshop on Containerless Experimentation in Microgravity
[NASA-CR-187806] 13 p2059 N91-21331
Containerless experiments in fluid physics in microgravity 13 p2060 N91-21341
Undercooling of acoustically levitated molten drops
13 p2063 N91-21359
TRINH, TINH T.
Horizontally rotated cell culture system with a coaxial tubular oxygenator
[NASA-CASE-MSC-21294-1] 22 p3713 N91-30667
TRIPATHI, A.
Data abstraction, concurrency and synchronization in Sina
[PB91-185454] 21 p3604 N91-30053
TRIPATHI, ALOK
Growth and characterization of III-V epitaxial films
[AD-A225087] 03 p0423 N91-12369
TRIPATHY, S.
New photocrosslinkable polymers for second order nonlinear optical processes
[AD-A235856] 20 p3321 N91-28386
TRIPATHY, S. K.
Molecular design of stable second order nonlinear optical polymers
[AD-A235748] 19 p3138 N91-27341
Optimized processing condition for a photocrosslinkable stable nonlinear optical polymer
[AD-A235754] 19 p3138 N91-27342
Design and synthesis of a new class of photocrosslinkable nonlinear optical polymers
[AD-A235852] 19 p3139 N91-27345
Optical and electro-optical properties of a photocross-linkable polymer
[AD-A235903] 19 p3140 N91-27350
Molecular dynamics simulation of substituted polyacetylenes
[AD-A235853] 19 p3242 N91-27928
TRIPATHY, SUKANT
Synthesis and characterization of electroactive polymers based on pyrrole
[AD-A226324] 04 p0507 N91-12819
Design synthesis and characterization of novel polydiacetylenes using new analytical technique
[AD-A226416] 04 p0509 N91-12826
Studies on relaxation behavior of corona poled aromatic dipolar molecules in a polymer matrix
[AD-A226512] 04 p0509 N91-12827

Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828
Comb-like polymers containing NLO active pendant groups
[AD-A226514] 04 p0509 N91-12829
Nonlinear optical spectroscopy of polymers
[AD-A226515] 04 p0509 N91-12830
A strategy for the development of macromolecular nonlinear optical materials
[AD-A226325] 04 p0583 N91-13251
Dynamics simulation of Langmuir-Blodgett films
[AD-A226327] 04 p0590 N91-13293
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A226674] 05 p0640 N91-13553
Approaches to the design of a novel macromolecular system with tailored optical properties
[AD-A226952] 06 p0812 N91-14485
Nonlinear optics and organic materials
[AD-A226953] 06 p0873 N91-14831
Thin film single crystal growth of a nonlinear optical polymer
[AD-A227692] 08 p1235 N91-16807
Design, synthesis and characterization of novel polydiacetylenes using new analytical techniques
[AD-A237362] 21 p3487 N91-29348

TRIPLETT, EDWARD L.
Molecular biology of the photoregulation of photosynthetic light-harvesting complexes in marine dinoflagellates
[AD-A236623] 19 p3209 N91-27739

TRIPOLI, GREGORY J.
Interactive access and management for four-dimensional environmental data sets using McIDAS
24 p4058 N91-32670

TRIPP, JOHN S.
A solid-state controllable power supply for a magnetic suspension wind tunnel 13 p2036 N91-21199

TRIPP, LLOYD
Subjective responses to positive pressure breathing under sustained high-G using the combat edge system
[AD-A230019] 12 p1928 N91-20610

TRITZ, BRADLEY GENE
Effects of electron-positron pairs on active galactic nuclei 14 p2344 N91-22958

TRIVEDI, ANIL N.
Advanced magnetic suspensions for vibration isolation and fast-attitude control of space-based generic pointing mounts 13 p2035 N91-21190

TRIVEDI, NALIN BABULAL
Audiomagnetotelluric (AMT) soundings in the proximity of the Camaqua (RS) mines
[INPE-5213-RPE/641] 13 p2117 N91-21651
Spectral analysis of annual sunspot series: An update
[INPE-5207-PRE/1669] 13 p2183 N91-22060

TRIVEDI, P. A.
Radiative interactions in laminar duct flows
[NASA-CR-188150] 14 p2262 N91-22513

TRIVEDI, R.
Interpreting solidification phenomena and microstructural evolution in metals through the use of transparent model alloy systems
[DE91-012629] 20 p3314 N91-28347

TRIVERO, P.
Meteorological use of a space-borne SAR imaging the ocean surface 07 p0993 N91-15447

TRIVERS, KATHLEEN KEARNEY
Planetary Sciences: American and Soviet Research
[NASA-CR-188165] 14 p2344 N91-22960

TROEDSON, S. C.
A general lease-squares fitting package for the sun workstation
[AD-A238180] 21 p3568 N91-29837

TROIDL, H.
Combining base-motion testing with techniques developed for point-force excitation for the modal identification of mechanical structures
07 p0956 N91-15257

TROIM, J.
Vehicle charging in low density plasmas
10 p1552 N91-18534

TROITSKAYA, E. V.
Neutron propagation from solar flare in the solar atmosphere
[DE91-615465] 11 p1823 N91-20016

TROJAN, KATHLEEN L.
Strong exchange coupling in lanthanide bis(phthalocyaninato) sandwich compounds
[AD-A234466] 18 p3068 N91-26951

TROJNAR, J.
Thermal conductivity of high-temperature superconductors in normal state
11 p1789 N91-19818

TROLINGER, J. D.
Solution growth of Triglycine Sulfate (TGS) crystals on the International Microgravity Laboratory (IML-1)
19 p3269 N91-28080

TROLINGER, JAMES
Acceleration effects observed in optical data taken in Spacelab 3 FES 03 p0429 N91-12405

TROMBLY-FREYTAG, K.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958

TROMMER, G.
Light guide fibers
[MBB-UA-1199-90-PUB] 11 p1799 N91-19877

TROMP, J. T.
More computations on Gauss' lattice point problem
[CWI-CS-R9017] 10 p1581 N91-18708

TROMP, JOHN
How to share concurrent wait-free variables
[ITLI-CT-91-02] 22 p3746 N91-30874

TROMPERT, R. A.
A static-regridding method for two-dimensional parabolic partial differential equations
[CWI-NM-R8923] 02 p0260 N91-11449
Analysis of the implicit Euler local uniform grid refinement method
[CWI-NM-R9011] 10 p1584 N91-18725
Runge-Kutta methods and local uniform grid refinement
[CWI-NM-R9022] 17 p2846 N91-25731

TROOST, G. K.
Results of post firing examinations of igniter nozzles of the Vulcain engine 03 p0332 N91-11854

TROST, H. J.
Fast shower simulation based on Gau(beta)'s law
[DE91-009885] 14 p2258 N91-22492

TROST, P.
A silicon avalanche photodiode detector circuit for Nd:YAG laser scattering
[DE91-002709] 05 p0667 N91-13706
A compact, low cost, 7 channel polychromator for Thomson scattering measurements
[DE91-002719] 05 p0721 N91-14024

TROST, P. K.
A multi-laser system for a fast sampling Thomson scattering diagnostic
[DE91-002708] 05 p0667 N91-13705
A real-time digital control, data acquisition and analysis system for the DIII-D multipulse Thomson scattering diagnostic
[DE91-002720] 05 p0721 N91-14025

TROTIGNON, J. P.
Flexure fatigue tests for composites
11 p1674 N91-19227

TROTT, W. M.
Studies of laser-driven flyer acceleration using optical fiber coupling
[DE91-013503] 20 p3351 N91-28562
A simple model for the motion of pulsed-laser-driven thin flyers
[DE91-011325] 23 p3877 N91-31634

TROTTER, WILLIAM T.
(DURIP) exploring and controlling spatio temporal chaos under complex structures through visualization: A mini-supercomputer approach
[AD-A226793] 06 p0866 N91-14784

TROUBNIKOV, B.
Generation of cosmic rays in pinches
06 p0919 N91-15070

TROUDET, TERRY
Towards practical control design using neural computation
[NASA-TM-103785] 11 p1780 N91-19766
Neural network application to aircraft control system design
[NASA-TM-105151] 19 p3107 N91-27167

TROUESSIN, GILLES
Intrusion and fault tolerance compatibility. Part 1: Fault protection, coding and tolerance state of the art
[LAAS-89-395] 23 p3882 N91-31662

TROUTMAN, PATRICK A.
Pre-integrated structures for Space Station Freedom
[NASA-TM-102780] 13 p2039 N91-21214
Restructured Freedom configuration characteristics
[NASA-TM-104057] 23 p3801 N91-31201

TROWBRIDGE, C. A.
Photometric analysis of a space shuttle water venting
12 p1950 N91-20726
Photometric-photogrammetric analysis of video images of a venting of water from Space Shuttle Discovery
[AD-A233452] 16 p2565 N91-24219

TROWBRIDGE, CHRISTIAN A.
A program to operate and upgrade the GL low altitude lidar systems
[AD-A238081] 21 p3500 N91-29423

TROWBRIDGE, DANIEL A.
Low velocity impact analysis with NASTRAN
[NASA-TM-103169] 06 p0802 N91-14426

TROWBRIDGE, L. D.
Greenhouse warming potential of candidate gaseous diffusion plant coolants
[DE91-009986] 19 p3186 N91-27618

TROXEL, SETH W.
Beam filling loss adjustments for ASR-9 weather channel reflectivity estimates
[AD-A228654] 09 p1323 N91-17264

TROYER, DAVID E.
Worldwide maritime infrared atmospheric transmittance data
[AD-A237292] 21 p3541 N91-29672

TRUAX, D. R.
Supercoherent states and physical systems
[DE91-014598] 21 p3602 N91-30040

TRUBEY, D. K.
JANE: A new information retrieval system for the Radiation Shielding Information Center
[DE91-010785] 16 p2699 N91-24950

TRUBIAN, MARCO
Timed high-level nets
[REPT-90-050] 15 p2484 N91-23750

TRUCANO, T. G.
Hypervelocity launch capabilities to over 10.4 km/s
[DE91-010859] 18 p2934 N91-26186
Sandia's new hypervelocity launcher (HVL)
[DE91-014335] 20 p3287 N91-28178
Launch capabilities to over 10 km/s
[DE91-014657] 21 p3463 N91-29203
Shock-vaporization studies on zinc and porous carbon
[DE91-017846] 24 p3980 N91-32233

TRUDELL, BERNARD J.
Current Emergency Locator Transmitter (ELT) deficiencies and potential improvements utilizing TSO-C91a ELTs
[NASA-CR-4330] 02 p0166 N91-10964

TRUE, B.
Experimental study of cross-stream mixing in a cylindrical duct
[NASA-TM-105180] 21 p3459 N91-29187

TRUGLIO, VITO J.
Environmental icing testing at the Naval Air Propulsion Center 23 p3795 N91-31167

TRUGMAN, S. A.
Complex dynamics of the integer quantum Hall effect
[DE91-013383] 20 p3435 N91-29058

TRUHLAR, DONALD G.
Variational transition state theory
[DE91-001253] 05 p0726 N91-14058

TRUJILLO-VENTURA, ARTURO
Optimum design of air pollution monitoring networks: A mathematical programming approach
03 p0388 N91-12160

TRULL, JEFFREY E.
Decentralized real-time scheduling
[AD-A227856] 08 p1201 N91-16604

TRUMBLE, DAVID
Advanced materials: Information and analysis needs
[DE91-001017] 04 p0496 N91-12752

TRUMBLE, TERRY M.
Experiment M0003-4: Advanced solar cell and coverglass analysis, an overview
16 p2720 N91-25060

TRUMPER, DAVID L.
Five degree-of-freedom control of an ultra-precision magnetically-suspended linear bearing
13 p2036 N91-21196
Nonlinear compensation techniques for magnetic suspension systems 13 p2037 N91-21204

TRUNNELL, M.
Nuclear magnetic resonance studies of atomic motion in lithium chloroborate and lithium thiosilicate glassy fast ionic conductors
[DE91-012677] 20 p3400 N91-28843

TRUONG, K. V.
Indicial response approach derived from Navier-Stokes equations. Part 1: Time-invariant equilibrium state
[NASA-TM-102856] 05 p0614 N91-13408

TRUONG, KHONG QUANG
Ultraviolet morphology of NGC 1068: The starburst knots and the extended emission region
23 p3937 N91-32004

TRUONG, Y.
Evaluation of desired to undesired signal protection ratios of 14 dB versus 20 dB with frequency offset
[DOT/FAA/CT-TN91/15] 22 p3662 N91-30384

TRURAN, J. W.
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942

TRUSCOTT, P. R.
Surface activation of Concorde by Be-7
16 p2708 N91-24983

TRUSKOWSKI, JOSEPH W.
Fracture toughness of unidirectional fiber reinforced ceramic composites in Mode 2 utilizing laser interferometry
[AD-A231027] 13 p2046 N91-21258
TRUSSELL, C. W.
Proceedings of the Optoelectronic Workshop 27: Semiconductor Lasers and Their Applications
[AD-A233779] 18 p2988 N91-26496
TRUSSONI, E.
A model for one-sided extragalactic jets
06 p0922 N91-15097
TRUSTY, C.
Multispectral identification of potentially hazardous byproducts of ozonation and chlorination. Part 1: Studies of chromatographic and spectroscopic properties of MX
[PB91-161703] 18 p3006 N91-26601
TRUSTY, GARY L.
One-dimensional translation measurement of speckle from rough rotating objects in ultraviolet illumination
[AD-A233719] 18 p3063 N91-26919
TRUSZKOWSKI, WALT
COBE's search for structure in the Big Bang
[NASA-TM-102976] 05 p0769 N91-14271
Distributed, cooperating knowledge-based systems
15 p2535 N91-24044
TRUSZKOWSKI, WALTER
Developing a user-interface-evaluation tool for space-station-era applications 14 p2221 N91-22282
TRUZHENNIKOV, A. N.
Adaptive responses in monkeys during two week space flight 11 p1754 N91-19645
TRY, PAUL D.
Science needs for real time adaptable data products from the Earth Observing System (EOS)
[NASA-CR-4363] 14 p2280 N91-22609
TRYBUS, C. L.
Substructure and electrical resistivity analyses of pure tungsten sheet
[DE91-014098] 20 p3317 N91-28362
Tensile properties and microstructure of Alloy 718 thermally aged to 50,000 h
[DE91-014099] 21 p3479 N91-29299
TRYGGVASON, G.
Basic research model of natural gas combustion in turbulent flow
[PB91-130260] 11 p1681 N91-19264
TSAGAROPOULOS, G.
Nucleation and growth of diamond on Si, Cu and Au substrates
[AD-A231044] 13 p2161 N91-21918
TSAI, A.
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-188599] 17 p2776 N91-25364
TSAI, C. C.
Characteristics and potential applications of an ORNL microwave ECR multicusp plasma ion source
[DE91-002649] 06 p0875 N91-14840
TSAI, CHEN S.
Major achievements during the first program year
[AD-A237171] 21 p3581 N91-29919
TSAI, KAO-YUEH
Admissible motions in manipulator's workspace
22 p3686 N91-30523
TSAI, LUNG-WEN
The creation of multi-degree-of-freedom mechanisms for robotic applications
[DE91-014359] 20 p3357 N91-28596
TSAI, MING-CHANG
Theory and implementation of adaptive and repetitive control for robot manipulators 09 p1344 N91-17385
TSAI, MING-YI
Application of localized hybrid methods of stress analysis to some problems in the mechanics of composites
22 p3691 N91-30554
TSAI, P.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
TSAI, P. K.
High-temperature ceramic superconductors
[AD-A234620] 18 p3068 N91-26953
TSAI, PING-HO
Numerical calculations for flows past an unconventional airfoil 02 p0158 N91-10916
TSAI, STEPHEN W.
The role of analysis in the design of composite materials 16 p2645 N91-24644
TSAI, TSU-TZU
Synthesis and properties of rigid-rod benzobisazole polymers containing benzothiazole pendent groups
[AD-A234742] 18 p2963 N91-26357
TSAI, W. H.
Characterization of interphases between PMDA/4-BDAF polyimides and silver substrates using surface-enhanced Raman scattering and reflection-absorption infrared spectroscopy
[AD-A233531] 16 p2598 N91-24400
Characterization of interphases between PMDA/4-BDAF polyimides and silver and graphite substrates using x ray photoelectron spectroscopy
[AD-A235567] 19 p3138 N91-27337
TSAI, Y. M.
Characterizing closure asperities by ultrasonic measurements
[DE90-016709] 04 p0535 N91-12967
TSAI, Y.-L. PETER
Recent update of the RPLUS2D/3D codes
13 p2017 N91-21094
TSAI, Y-L PETER
Three-dimensional calculation of supersonic reacting flows using an LU scheme 02 p0149 N91-10871
TSANG, K.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
Physics of RF breakdown for AIM applications
10 p1550 N91-18526
TSANG, K. M.
A prediction-error estimation algorithm for the reconstruction of linear and nonlinear continuous time models from frequency response data
[RR-421] 22 p3730 N91-30762
TSANG, K. T.
Stratospheric ozone conservation by electron attachment to chlorine atoms: The negative-ion chemistry
[DE91-002951] 05 p0686 N91-13815
TSANG, T.
A study of electro-optical modulators for transfer of detector signals by optical fibers
[DE91-006349] 09 p1399 N91-17701
Summary of the working group on transverse emissions from photocathodes
[DE91-008414] 11 p1712 N91-19432
Photoemission studies using femtosecond pulses for high brightness electron beams
[DE91-008436] 11 p1795 N91-19849
Development of high current electron source using photoemission from metals with ultrashort laser pulses
[DE91-008438] 11 p1795 N91-19850
Amplification of femtosecond pulses using a N2 pump laser
[DE91-008413] 13 p2092 N91-21513
High current photoemission with 10 picosecond UV pulses
[DE91-009439] 13 p2092 N91-21515
Performance characteristics of Mach-Zehnder modulators for transfer of detector signals by optical fibers
[DE91-008439] 13 p2154 N91-21873
TSANG, TUNG
Structures of cyano-biphenyl liquid crystals
19 p3270 N91-28091
TSANGARAKIS, NIKOS
Response of an alumina fiber reinforced aluminum composite to combined tension-torsion
[AD-A239560] 23 p3809 N91-31245
TSCHANZ, J.
AQUIS: An air quality and permit information management system
[DE91-011750] 18 p3008 N91-26608
TSENG, JING-BIAU
Aerodynamics of thrust vectoring by Navier-Stokes solutions
[NASA-CR-188186] 14 p2189 N91-22092
TSENG, JOHN J.
Processable polymers and copolymers of 3-alkylthiophenes and their blends
[AD-A234596] 18 p2962 N91-26351
TSIKARISHVILI, E. G.
On hydrodynamics of collisionless relativistic plasma in a strong magnetic field
[DE90-513926] 02 p0274 N91-11543
Hydrodynamics of collisionless relativistic plasma in a strong magnetic field 06 p0919 N91-15072
TSINOBER, A. B.
Circumfluous motion of a conductive liquid around solid objects in a magnetic field
[DE90-011335] 08 p1138 N91-16265
TSINTSADZE, L. N.
Ultrarelativistic low-frequency electromagnetic waves in pulsar magnetospheres 06 p0921 N91-15091
TSINTSADZE, N. L.
Ultrarelativistic low-frequency electromagnetic waves in pulsar magnetospheres 06 p0921 N91-15091
TSIRULNIKOV, M.
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592
TSO, HUM CHI
Nonequilibrium Green's functions and quantum transport theory for semiconductor microstructures
15 p2515 N91-23937
TSU, D. V.
Oxidation studies of fluorine containing diamond films
[AD-A232696] 15 p2407 N91-23328
TSUCHIYA, K.
Investigation of wire motion in superconducting magnets
[DE91-004952] 08 p1213 N91-16674
TSUCHIYA, M.
Management and operation of environmental test facility complex 07 p0951 N91-15225
TSUCHIYA, MASAKO
The development of magneto-optic disk operation managing programs for NS system
[NAL-TR-1086] 17 p2886 N91-25951
TSUDA, TOSHITAKA
Data acquisition and processing
18 p3010 N91-26618
TSUGE, SHUNICHI
The accuracy of direct numerical simulation of wall turbulent flow and the numerical prediction on the effect of drag reducing devices 04 p0464 N91-12598
TSUI, D. C.
Nonparabolic conduction bands and masses in strained-single-quantum wells
[DE90-017028] 02 p0277 N91-11560
Far-infared laser spectroscopy of two dimensional holes in strained-layer heterostructure and superlattices
[DE91-000027] 08 p1235 N91-16805
TSUI, H. Y. W.
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
A portable and independent edge fluctuation diagnostic
[DE91-014357] 20 p3421 N91-28971
TSUI, HERMANN Y. W.
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739
TSUI, P.
A numerical and experimental analysis of reactor performance and deposition rates for CVD on monofilaments
[NASA-TM-103631] 06 p0815 N91-14500
TSUI, PANG
Computational materials science. An example: Numerical modeling of chemical vapor deposition processing of advanced fibers 12 p1840 N91-20111
TSUI, T. L.
Tropical cyclone track objective aids for the microcomputer: PCLM, XTRP, PCHP
[AD-A230851] 13 p2121 N91-21675
TSUI, TED
NEONS environmental database: Recent developments
[AD-A236477] 19 p3184 N91-27607
TSUJI, HIROKAZU
Effects of environment and aging on creep properties of Alloy 800H
[DE90-520207] 02 p0197 N91-11106
TSUKISHIMA, T.
Observation of electron hole, double layer, and turbulent heating in a laboratory plasma 06 p0920 N91-15079
TSURUDA, KOICHIRO
An analytical study of neutral expansion, ionization, and charged particle acceleration in a neutral lithium release for the parallel electric field measurement
[MPE-PREPRINT-180] 11 p1800 N91-19880
TSUTSUMI, MASAHIRO
Intercomparison of measuring and evaluation methods for environmental radiations
[DE91-772227] 17 p2809 N91-25527
TSVETKOVA, V. S.
Signs of interaction of the NGC 1275 nucleus with the high-velocity system according to 0.7 sec seeing observations 08 p1256 N91-16918
TU, C. W.
Physics and technology of III-V pseudomorphic structures
[AD-A229275] 09 p1413 N91-17778
Compensating-stress InAs quantum wells for high-performance electronic devices
[AD-A236073] 19 p3253 N91-27998
TU, HAIZHOU
Velocity distribution in unsteady flow over gravel-beds
12 p1897 N91-20433

TU, PETER K. C.
Smoothing and scaling airfoil coordinates on a personal computer
[DE89-000878] 08 p1198 N91-16582

TU, WILSON
Tabulation of data from the tip aerodynamics and acoustics test
[NASA-TM-102280] 06 p0771 N91-14273

TU, Y. K.
Modal analysis of multistage gear systems coupled with gearbox vibrations
[NASA-TM-103797] 15 p2439 N91-23513

TU, YU K.
Effects of gear box vibration and mass imbalance on the dynamics of multi-stage gear transmissions
[NASA-TM-103695] 13 p2095 N91-21534

TUBERGA, G.
Microstructure and properties of aluminium alloy 7050 electron beam weldments 03 p0329 N91-11833

TUCHIN, A. G.
System for information processing and executing calculational tasks for ballistic and navigation support of spacecraft mission 14 p2224 N91-22300

TUCHMAN, ALAN
Using C to build a satellite scheduling expert system: Examples from the Explorer platform planning system 14 p2313 N91-22774

TUCK, M. R.
Oxidized porous silicon moisture sensors for evaluation of microelectronic packaging
[DE91-011322] 17 p2770 N91-25331

TUCKER, B.
Transcapillary fluid shifts in head and neck tissues during and after simulated microgravity
[NASA-TM-103847] 15 p2474 N91-23704

TUCKER, D. S.
Proof test diagrams for Zerodur glass-ceramic
[NASA-TM-103543] 19 p3137 N91-27332
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185

TUCKER, DAVID M.
A feasibility study for construction of a dedicated on-line SEU beam facility at the McMaster University tandem Van de Graaff accelerator
[CTN-91-60180] 22 p3754 N91-30925

TUCKER, DENNIS S.
Effects of water on the strength of Zerodur
[NASA-TM-103535] 16 p2604 N91-24430
Effects of solar radiation on glass 16 p2719 N91-25057

TUCKER, DON M.
Explorations of anatomy of connectionist models for visual lexical access
[AD-A224845] 03 p0409 N91-12284

TUCKER, G. E.
Suppression of biodynamic interference in head-tracked teleoperation
[NASA-TM-103833] 13 p2024 N91-21134

TUCKER, ROY
The prediction of pseudo-resonance positions in the Schwinger variational principle 19 p3268 N91-28077

TUCKER, W.
The onset of galactic winds in early-type galaxies 05 p0747 N91-14165

TUDA, TAKASHI
Fluctuation spectrum of ion temperature gradient driven modes in sheared magnetic fields 20 p3415 N91-28936

TUDINI, ADRIAN
Analysis of emission data from a Perkin-Elmer 1710 FTIR spectrometer
[AD-A227759] 08 p1150 N91-16331
Analysis of emission data from a broad-band radiometer
[AD-A228912] 09 p1339 N91-17354

TUEGEL, L. M.
Heavy hydrocarbon main injector technology program
[NASA-CR-184161] 13 p2043 N91-21235

TUELL, JASON P.
A search for strange attractors in the saturation of middle atmosphere gravity waves
[AD-A232468] 15 p2465 N91-23658

TUELL, JASON PIERCE
A search for strange attractors in the saturation of middle atmosphere gravity waves 22 p3705 N91-30623

TUHELA-REUNING, S.
A planar near-field scanning technique for bistatic radar cross section measurements
[NASA-CR-187794] 08 p1127 N91-16194

TUKEY, JOHN W.
Combining CL (Confidence Limits) and PL (Partial Limits) displays
[AD-A238507] 21 p3567 N91-29830
Scrawl strips, and letter or B-letter strips: Depicting marginals of scatter plots
[AD-A238556] 21 p3569 N91-29845

TULCHINSKIY, B. S.
Method of obtaining current-conducting polymeric materials
[AD-A237174] 21 p3486 N91-29339

TULLOS, GORDON L.
Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] 19 p3117 N91-27220

TULLY, BRENT
The Hawaii Imaging Fabry-Perot Interferometer (HIFI) 05 p0763 N91-14240

TULLY, R. B.
Large scale excitation of the ISM in NGC 1068 05 p0745 N91-14150
Deep Fabry-Perot imaging of NGC 6240: Kinematic evidence for merging galaxies 08 p1257 N91-16922

TULUPOV, A. V.
Possibility of raising efficiency of free-electron laser in longitudinal magnetic field 11 p1787 N91-19804

TUMIDAJASKI, P.
Thermodynamic behavior of high-Tc oxide systems via EMF and related measurements
[DE91-006590] 10 p1607 N91-18866

TUMIDAJSKI, P. J.
Thermodynamic behavior of high-T(sub c) oxide systems via EMF and related measurements
[DE91-010589] 16 p2695 N91-24924

TUMINARO, RAY S.
Iterative methods for nonsymmetric systems on MIMD machines
[DE91-002780] 09 p1375 N91-17554

TUMINARO, RAYMOND S.
Performance of a parallel code for the Euler equations on hypercube computers
[NASA-TM-102260] 02 p0249 N91-11384

TUMMILLO, A. F.
Status of Argonne life evaluation of valve regulated lead-acid batteries
[DE90-011098] 08 p1132 N91-16229
Performance and life evaluation of advanced battery technologies for electric vehicle applications
[DE91-015671] 21 p3509 N91-29482

TUNBRIDGE, C. K.
The use of axisymmetric flow for investigation of shock wave-boundary layer interactions
[BU-520] 14 p2265 N91-22529

TUNDISI, JOSE GALISIA
Remote sensing estimation of total chlorophyll pigment distribution in Barra Bonita Reservoir
[INPE-5202-PRE/1664] 13 p2108 N91-21603

TUNG, CHI
Pivoting seat for fighter aircraft
[AD-D014822] 17 p2731 N91-25120

TUNG, S.-L.
A study of the interaction of physical and numerical parameterizations with regard to moisture forecasting in a regional model of the atmosphere
[AD-A227966] 08 p1178 N91-16488

TUNNELL, T.
Is cepstrum averaging applicable to circularly polarized electric-field data?
[DE91-010824] 17 p2767 N91-25315

TUOMISAARI, MAARIT
Interaction of the positron and the positronium atom with insulating fluids and solids
[PH-165] 03 p0417 N91-12331

TUOVINEN, PEKKA
On the wavelength, time, and inclination variations on photographic exposures with applications to scanning imaging
[ETN-91-99507] 22 p3683 N91-30508

TURCHANINOVA, V. F.
Central and regional hemodynamics in prolonged space flights 01 p0095 N91-10554

TURCHI, P. E. A.
Order-disorder phenomena in complex alloys: The case of A15-based substitutional alloys
[DE91-000815] 04 p0505 N91-12804
A comparative study of short range order in Fe-Cr and Fe-V alloys around equiatomic composition
[DE91-005230] 10 p1604 N91-18848
Theoretical investigation of phase stability in non-magnetic Fe-V substitutional alloys
[DE91-006711] 11 p1682 N91-19268
First principles calculation of phase stability of high temperature intermetallic alloys
[DE91-008570] 12 p1871 N91-20282
Interplay between local environment effect and electronic structure properties in close packed structures
[DE91-008506] 13 p2161 N91-21915
From electronic structure to alloy phase stability
[DE91-011187] 17 p2760 N91-25281

TURCHI, P. J.
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499

TURCICH, ELIZABETH
FAA air traffic operational evaluation of Automated Surface Observing System (ASOS)
[DOT/FAA/CT-TN90/42] 01 p0014 N91-10084
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) plan
[DOT/FAA/CT-TN90/9] 07 p1030 N91-15651
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) evaluation report
[DOT/FAA/CT-TN90/51] 12 p1924 N91-20587
Air traffic operational evaluation plan for the limited production Automated Surface Observing System (ASOS)
[DOT/FAA/CT-TN91/13] 22 p3616 N91-30116

TURCO, RICHARD
Volcanic aerosols: Chemistry, evolution, and effects 13 p2115 N91-21645

TURCOTTE, D. L.
Origin and thermal evolution of Mars
[NASA-CR-188095] 14 p2353 N91-23011

TURHOLLOW, A. F.
Short-rotation woody crop opportunities to mitigate carbon dioxide buildup
[DE90-016526] 01 p0067 N91-10406

TURI, DANIELE
Logic programs with negation: Classes, models, interpreters
[CWI-CS-R8943] 03 p0407 N91-12272
Extending S-interpretations to logic programs with negation
[CWI-CS-R8948] 03 p0408 N91-12276

TURILLON, A.
Problems posed by the adaptation of physiological protective equipment for female combat pilots 02 p0246 N91-11372

TURK, GREG
Generating textures for arbitrary surfaces using reaction-diffusion
[AD-A236706] 19 p3127 N91-27277

TURK, M.
Small Engine Component Technology (SECT)
[NASA-CR-175078] 16 p2561 N91-24205

TURKEL, E.
Multigrid for hypersonic viscous two- and three-dimensional flows
[NASA-CR-187603] 22 p3612 N91-30093
An effective multigrid method for high-speed flows
[NASA-CR-187602] 22 p3613 N91-30096

TURKEL, ELI
Mappings and accuracy for Chebyshev pseudo-spectral approximations
[NASA-TM-103630] 06 p0865 N91-14781
Extension of multigrid methodology to supersonic/hypersonic 3-D viscous flows
[NASA-CR-187612] 22 p3611 N91-30088
Asynchronous and corrected-asynchronous numerical solutions of parabolic PDES on MIMD multiprocessors
[NASA-CR-187605] 22 p3728 N91-30749

TURKES, GURKAN
Tactical HF field expedient antenna performance, volume 1
[AD-A228057] 08 p1127 N91-16198
Tactical HF field expedient antenna performance, volume 2
[AD-A231428] 14 p2256 N91-22478

TURKNETT, JERRY C.
Forced convection and flow boiling with and without enhancement devices for top-side-heated horizontal channels 19 p3274 N91-28113

TURKO, B. T.
Automatic tracking of the intersection of a laser and electron beam
[DE91-007740] 10 p1531 N91-18434
High-speed TV cameras for streak tube readout
[DE91-016081] 23 p3873 N91-31602

TURKO, BOJAN T.
Radiation-induced noise in Charge-Coupled Device (CCD) and Charge-Injection Device (CID) imagers
[DE90-016724] 01 p0131 N91-10777

TURLEY, W. D.
Fiber-sensor design for turbine engines
[DE91-010787] 17 p2736 N91-25150
Photophysics and chemistry of ultra-fast ZnO and CdS phosphors
[DE91-013106] 23 p3931 N91-31966

TURMAN, B. N.
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333

Experimental and analytical study of laser-triggering in the Rimfire switch
[DE91-014662] 21 p3509 N91-29483

TURNAU, J.
Strange particles production and absorption in nuclei at high energies
[DE91-620399] 13 p2150 N91-21845

TURNBULL, A.
Effect of prior mechanical deformation on hydrogen transport through 13 percent chromium martensitic stainless steel
[NPL-DMM(A)-14] 24 p3975 N91-32202

TURNBULL, A. D.
Dependence of the DIII-D beta limit on the current profile
[DE91-011140] 17 p2867 N91-25860
Effects of current profiles on MHD stability
[DE91-011742] 17 p2869 N91-25872

TURNBULL, ALAN
Crack-tip electrochemistry
[NPL-DMM(A)-9] 12 p1867 N91-20256
Review of corrosion studies on aluminium metal matrix composites
[NPL-DMM(A)-145] 12 p1871 N91-20280

TURNER, ANN H.
Report of the 75th National Conference on Weights and Measurements
[PB91-112763] 14 p2322 N91-22823

TURNER, C. D.
General implementation of thin-slot algorithms into the finite-difference time-domain code, TSAR, based on a slot data file
[DE91-014336] 20 p3387 N91-28767

TURNER, C. DAVID
The inclusion of wall loss in electromagnetic finite-difference time-domain thin-slot algorithms
[DE91-001046] 06 p0819 N91-14524
Numerical modeling tools for transient electromagnetic problems
[DE90-010328] 08 p1124 N91-16180

TURNER, D. J.
Ionic solutions near the critical point of water (TEXUS 10) ESA 23 p3833 N91-31375
Ionic solutions near the critical point of water (TEXUS 12) ESA 23 p3833 N91-31376

TURNER, ELIJAH W.
Aircraft operations from runways with inclined ramps (ski-jump)
[AD-A237265] 21 p3456 N91-29171

TURNER, G. M.
The application of USAF female anthropometric data to identify problems with the introduction of female aircrew into the Royal Air Force 02 p0246 N91-11370
Some equipment problems associated with the introduction of female aircrew into the Royal Air Force 02 p0247 N91-11373

TURNER, GREGORY A.
Theoretical temperature-dependent branching ratios and laser thresholds of the (5)I7 yields (5)I8 levels of Ho3(+) in ten garnets
[NASA-TM-103429] 05 p0726 N91-14053

TURNER, HORACE Q.
Online NASTRAN documentation 12 p1911 N91-20508

TURNER, J. D.
Control and structural optimization for maneuvering large spacecraft
[NASA-CR-187490] 17 p2741 N91-25168

TURNER, J. L.
Dense gas and HII regions in the starburst galaxy NGC 253 05 p0759 N91-14220

TURNER, J. R.
Brittle behavior of SSC yokes
[DE91-014031] 20 p3318 N91-28370

TURNER, JAMES D.
Transform methods for precision continuum and control models of flexible space structures 14 p2228 N91-22325

TURNER, JAMES E.
Inorganic concepts relevant to metal binding, activity, and toxicity in a biological system
[DE91-001489] 05 p0693 N91-13858

TURNER, JAMES ERIC
O-ring gasket test fixture
[NASA-CASE-MFS-28376-1] 13 p2032 N91-21175

TURNER, JOHN W.
The use and design of flightcrew checklists and manuals
[AD-A237206] 21 p3551 N91-29733

TURNER, JOYCE E.
FY 1990 scientific and technical reports, articles, papers, and presentations
[NASA-TM-103520] 07 p1077 N91-15926

TURNER, LARRY R.
Electromagnetic computations for fusion devices
[DE90-011097] 08 p1227 N91-16765

TURNER, M. S.
Dark matter in the universe
[DE91-014863] 21 p3606 N91-30065

TURNER, MICHAEL S.
Axions and SN 1987A: Axion trapping
[NASA-CR-186467] 05 p0713 N91-13976
Particle physics and cosmology
[DE91-001946] 06 p0924 N91-15111
Dark matter in the universe
[DE91-004584] 07 p1083 N91-15958
The best-fit universe
[DE91-004583] 08 p1265 N91-16966
Astrophysics and cosmology confront the 17 keV neutrino
[NASA-CR-188169] 14 p2347 N91-22981
Dark matter in the universe
[NASA-CR-188170] 14 p2347 N91-22982
A proposed search for dark-matter axions in the 0.6-16 micro-eV range
[NASA-CR-188173] 15 p2529 N91-24015
Dirac neutrinos and SN 1987A
[NASA-CR-188448] 16 p2684 N91-24865

TURNER, MONICA G.
Potential responses of landscape boundaries to global environmental change
[DE90-008568] 08 p1172 N91-16451

TURNER, MONTE D.
Characterization of AgGaSe2 and ZnGeP2 for frequency doubling CO2 laser output
[AD-A230354] 12 p1904 N91-20471

TURNER, N. L.
Physiological responses to the wearing of protective equipment and respirators: Effects of hot, humid inspired air on work of breathing
[PB91-152884] 18 p3034 N91-26745

TURNER, R. E.
Time response of fast-gated microchannel plates used as x ray detectors
[DE91-006243] 09 p1330 N91-17308
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385

TURNER, R. S.
Predicting and forecasting surface water acidification: A plan for assessing data aggregation effects
[PB91-182451] 22 p3703 N91-30609

TURNER, ROBERT S.
Acidic deposition: Its nature and impacts
[DE91-001984] 06 p0843 N91-14658
Acid rain in Asia
[DE91-005352] 09 p1360 N91-17475

TURNER, ROSS M.
Multichannel Doppler processing for an experimental low-angle tracking system
[AD-A228598] 09 p1322 N91-17262

TURNER, T. J.
Optical, near, infrared and ultraviolet monitoring of the Seyfert 1 galaxy Markarian 335 09 p1445 N91-17970

TURNER, T. P.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486

TURNER, VERNON R.
A basic guide to overlay design using nondestructive testing equipment data
[AD-A234472] 18 p2971 N91-26403

TURNER, W. C.
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547
Reduction of energy sweep of the ETA-2 beam
[DE91-013824] 20 p3352 N91-28568
Degradation of brightness by resonant particle effects
[DE91-015181] 21 p3525 N91-29578
Control of energy sweep and transverse beam motion in induction linacs
[DE91-015177] 21 p3580 N91-29911

TURNGREN, EDWARD
Stability of liquid propellants under long-term storage
[AD-A223934] 02 p0201 N91-11126

TURNS, S. R.
Ignition and combustion characteristics of metallized propellants
[NASA-CR-187951] 10 p1506 N91-18289
Oxides of nitrogen emissions from turbulent hydrocarbon/air jet diffusion flames
[PB91-184952] 22 p3648 N91-30304

TURNS, STEPHEN R.
Ignition and combustion of metallized propellants 20 p3295 N91-28224

TUROCZY, WILLIAM R.
Application of software tools in embedded computers within military systems to enhance software reliability, quality assurance, and maintenance
[AD-A234555] 18 p3041 N91-26785

TURPIN, MARC
Special optical fibres and sensors for aeronautics 07 p0942 N91-15167

TURRO, N.
Interfacial and thin film chemistry in electron device fabrication
[AD-A229609] 22 p3667 N91-30416

TURSUNOVA, D. R.
Method of obtaining phenol-furfural resins
[AD-A233746] 18 p2959 N91-26327

TURTELTAUB, K. W.
Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538

TURTLE, HOWARD ROBERT
Inference networks for document retrieval 23 p3935 N91-31993

TURULA, P.
Implementation and verification of a viscoplastic material model using the ANSYS code
[DE91-010571] 16 p2607 N91-24447

TURUNEN, JARI
Variable-coherence beam optics
[ISBN-952-90-1784-7] 01 p0122 N91-10724

TURUNEN, RAIMO
A modelling of unsteady air flow in the resonance charging system of high speed diesel engines
[ACTA-POLYTEC-SCAND-ME-97] 11 p1717 N91-19454

TURUNEN, T.
Oblique heating of the auroral ionosphere by LF/MF transmitters 10 p1550 N91-18524

TURYK, P. J.
Compressor fault modelling for engine health monitoring: Review and recommendations
[NRC-TR-ENG-004] 21 p3458 N91-29178

TURYN, MICHAEL
Graviton effects in vacuum maximally symmetric spaces 08 p1266 N91-16971

TUSZEL, A. G.
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-628758] 02 p0271 N91-11524

TUSZEWSKI, M.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740

TUSZEWSKI, MICHEL
A Mirnov loop array for field-reversed configurations
[DE90-010607] 08 p1225 N91-16750

TUTHILL, WALLACE C.
High velocity gas particulate sampling system
[NASA-CASE-MSC-21729-1] 09 p1336 N91-17340

TUTHILL, WALLACE C., JR.
Dual diaphragm tank with telltale drain
[NASA-CASE-MSC-21703-1] 17 p2765 N91-25305

TUTTLE, B. A.
Ferroelectric fatigue in modified bulk lead zirconate titanate ceramics
[DE91-012647] 20 p3326 N91-28417

TUTTLE, BRUCE A.
Properties and characterization of thin film ferroelectric capacitors for nonvolatile memories
[DE91-004037] 08 p1134 N91-16242
Characterization of chemically prepared PZT thin films
[DE90-010831] 08 p1232 N91-16789

TUTTLE, M. E.
Thermoviscoplastic response of Ti-15-3 under various loading conditions
[NASA-CR-188621] 17 p2791 N91-25443

TUTTLE, MARIE H.
Cryogenic wind tunnels: A comprehensive, annotated bibliography
[NASA-TM-4273] 12 p1845 N91-20143

TVERDOKHLEB, P. YE.
Pattern recognition method
[AD-A225263] 03 p0406 N91-12263

TVERGAARD, VIGGO
A creep rupture model accounting for cavitation at sliding grain boundaries
[MEMT-2] 07 p1020 N91-15600

TVERSKAYA, L. V.
Dynamics of equatorial and polar boundaries of penetration of solar protons with energy about 1 MeV into magnetosphere during strong magnetic storm 18 p2931 N91-26172

TVERSKY, AMOS
Decision under conflict
[AD-A231109] 14 p2299 N91-22707

TVERSKY, BARBARA
Induced pictorial representations
[AD-A234548] 18 p3032 N91-26735

TVETE, KNUT
NDRE/TAll processor architecture study
[FFI-90/7012] 05 p0699 N91-13891
TWAMBLY, B. J.
Fixed-head star tracker magnitude calibration on the solar maximum mission 09 p1287 N91-17077
TWARDOCH, U. M.
Development of a nickel oxide/hydrogen multilayer bipolar battery for pulsed power, phase 2
[AD-A228388] 09 p1326 N91-17284
TWARDOWSKI, T. E.
Characterization studies of fluorinated epoxy resins: Naval experimental resin C8/1SA as a structural material and for use in blends and composites
[AD-A234188] 18 p2960 N91-26338
TWARDY, HARALD
Characterization of composite materials for aerospace materials
[DLR-MITT-90-15] 15 p2393 N91-23246
TWERSKY, VICTOR
Underwater scattering of sound
[AD-A235097] 18 p3057 N91-26885
TWESME, E.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
TWIEG, R. J.
Observation of the photorefractive effect in a polymer
[AD-A231339] 13 p2057 N91-21322
TWIGG, PAMELA D.
Three-dimensional structure of human serum albumin 15 p2538 N91-24057
TWILT, F.
Semi-infinite optimization: Structure and stability of the feasible stability
[MEMO-838] 04 p0574 N91-13191
TWISDALE, LAWRENCE A.
Probabilistic structural mechanics research for parallel processing computers
[NASA-CR-187162] 20 p3365 N91-28644
TWITCHELL, PAUL F.
Science needs for real time adaptable data products from the Earth Observing System (EOS)
[NASA-CR-4363] 14 p2280 N91-22609
TWOHY, C. H.
Measurements of the light-absorbing material inside cloud droplets and its effect on cloud albedo 01 p0091 N91-10528
TWORZYDLO, W.
Solid rocket booster internal flow analysis by highly accurate adaptive computational methods
[NASA-CR-184141] 13 p2043 N91-21239
TWORZYDLO, W. W.
Non-algorithmic issues in automated computational mechanics
[AD-A238322] 22 p3727 N91-30744
TYACK, PETER L.
VOICE: A spectrogram computer display package
[AD-A225214] 03 p0406 N91-12262
TYK, R.
Theory of the new high-temperature superconductors 15 p2499 N91-23842
TYLER, ALLEN
A synchronous chopper mechanism for use at cryogenic temperature 16 p2640 N91-24613
TYLER, SHERMAN W.
Adaptive interfaces
[AD-A229751] 12 p1965 N91-20810
TYLKA, A. J.
Preliminary results from the heavy ions in space experiment 16 p2710 N91-24995
TYNAN, G.
New method for edge plasma control by RF ponderomotive force
[DE91-744823] 11 p1805 N91-19911
TYNDALL, HARRY
Rapid solidification processing of Al3Ti and Al3Ti plus copper
[AD-A236600] 20 p3314 N91-28343
TYRELL, J.
Interactions of sulfur-containing compounds with transition metal clusters and metal surfaces III
[DE90-010591] 09 p1305 N91-17160
TYRRELL, DEBRA L.
Air Force Office of Scientific Research technical report summaries: January-March 1990
[AD-A227368] 06 p0934 N91-15122
Air Force Office of Scientific Research technical report summaries: October-December 1990
[AD-A234832] 19 p3266 N91-28061
Air Force Office of Scientific Research: Research proposal quarterly status report
[AD-A234833] 19 p3266 N91-28062
TYSELL, LARS G.
MATGRID, a program for generation of C-H and C-O topology grids around wing/body configurations: User's guide
[FFA-TN-1991-03] 13 p2019 N91-21110
MATGRID, a program for generation of C-H and C-O topology grids around wing/body configurations: Installation guide
[FFA-TN-1989-39] 22 p3615 N91-30108
TYSON, KAREN W.
The costs and benefits of aircraft availability
[AD-A232660] 15 p2363 N91-23076
TYUNIS, A. V.
Double 4f-collapse in Ce(0.9-x)Yb(x)Th(0.1)
[DE91-619752] 13 p2160 N91-21908
TZAFARAS, N.
Fabrication and performance analysis of 4-sq cm indium tin oxide/InP photovoltaic solar cells 22 p3631 N91-30205
TZANAKIS, N.
How to solve explicity a Thue-Mahler equation
[MEMO-905] 14 p2320 N91-22813
TZANOS, CONSTANTINE P.
Evaluation of a central-difference-like method for the solution of the convection-diffusion equation
[DE91-006550] 10 p1611 N91-18890
TZE, CHIA-HSIUNG
New phases of D greater than or equal to 2 current and diffeomorphism algebras in particle physics
[DE91-001515] 05 p0728 N91-14067
TZEMOS, S.
Developing a GIS to facilitate data analysis for environmental restoration of a large waste site
[DE91-013222] 20 p3438 N91-29078
TZENG, REN-YOW
A numerical study of blocking 18 p3014 N91-26840
TZOU, Y.
The effect of microstructure on the thermal conductivity of ZnS/diamond composites
[AD-A231349] 13 p2163 N91-21928
TZVI, GAL-CHEN
Estimations of ABL fluxes and other turbulence parameters from Doppler lidar data
[NASA-CR-188062] 13 p2116 N91-21648

U

UBBELS, G. A.
Fertilization of Xenopus eggs in space 11 p1750 N91-19624
UBBINK, W. H.
Effect of fortifier on compression-after-impact strength of carbon fabric reinforced epoxy
[NAE-LTR-ST-1736] 21 p3469 N91-29237
UBERBACHER, E.
Searching for consensus patterns on a hypercube
[DE91-013233] 20 p3385 N91-28753
UCHIDA, HIROYUKI
Numerical simulation of buffer flow in a free flow electrophoresis chamber 08 p1141 N91-16279
UCHIDA, TADAO
Wind tunnel test of redundant vane-type flow-direction sensing systems
[NAL-TM-590] 01 p0010 N91-10057
UCHIDA, TAKASHI
The role of computational fluid dynamics in aeronautical engineering. 7: A simple analysis method of separating flows 04 p0456 N91-12549
The role of computational fluid dynamics in aeronautical engineering 04 p0466 N91-12610
UCHIDA, YUTAKA
Magnetohydrodynamical formation of astrophysical jets from gravitationally collapsing objects 20 p3410 N91-28903
UCHIHORI, HIROSHI
Unsteady vortex lattice calculation of the flow around a slender delta wing 08 p1140 N91-16272
UCHIYAMA, TOKUEI
VTR loop movie 01 p0061 N91-10367
UCHIYAMA, Y.
Technical assessment and economic study of compressed air energy storage in Japan
[DE91-701405] 02 p0231 N91-11292
UCKAN, N. A.
International Thermonuclear Experimental Reactor physics basis
[DE91-002646] 05 p0720 N91-14017
ITER confinement capability
[DE91-002647] 05 p0720 N91-14018
ITER global stability limits
[DE91-001488] 06 p0876 N91-14845
Numerical analysis of the relationship between local transport and global confinement in tokamaks 10 p1599 N91-18822
UCKAN, T.
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947
UDAGAWA, TAKESHI
Research in theoretical nuclear physics
[DE91-004227] 07 p1064 N91-15853
UDO, F.
Operation of the microstrip gas detector
[NIKHEF-H/90-13] 14 p2268 N91-22548
UDO, R.
A measurement system for production flight tests of new aircraft
[NLR-TP-89222-U] 22 p3619 N91-30134
UDSETH, HAROLD R.
Combined capillary electrophoresis and electrospray ionization mass spectrometry
[DE90-016535] 02 p0193 N91-11079
UEBEL, MARK
The effect of bandwidth on telerobot system performance
[NASA-TP-3152] 22 p3689 N91-30540
UEDA, M.
Multiple Application Intense Particle Beam Project
[INPE-4576-RPE/568] 02 p0269 N91-11510
UEDA, N.
A design method of divertor in tokamak reactors
[NIFS-36] 02 p0273 N91-11532
UEDA, S.
Soft x ray emission from a gas-puff z-pinch plasma 19 p3249 N91-27970
UEDA, SHUICHI
Specific impulse comparison of high density hydrocarbon fuel burned with oxygen
[NAL-TR-1053] 01 p0025 N91-10148
Flow and heat transfer in curved pipe 04 p0453 N91-12531
Performance of the N2H4/MMH mixed fuel regeneratively cooled engine
[NAL-TR-1082] 17 p2743 N91-25180
UEMATSU, KAZUO
Numerical simulation of buffer flow in a free flow electrophoresis chamber 08 p1141 N91-16279
UEMURA, MASUJI
Flexural testing and evaluation methods of advanced composite materials 11 p1674 N91-19228
UEMURA, Y. J.
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
UENAL, A.
Intrinsic stability and recovery analysis for tape/film type superconductors
[DE91-015568] 23 p3931 N91-31967
UENO, HIROSHI
Modeling of a 3-D light-weight space manipulator
[AD-A236823] 21 p3526 N91-29586
UENO, MIYUKI
TORCS: A teleoperated robot control system for the self mobile space manipulator
[AD-A236821] 19 p3175 N91-27556
UGAZIO, S.
The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551
UGLOVA, N. N.
Blood electrolyte balance in dogs repeatedly exposed to +G(subz) acceleration 22 p3714 N91-30674
UGOLINI, D.
GOOSE: A Generalized Object-Oriented Simulation Environment
[DE91-016771] 24 p4088 N91-32842
UHDE-LACOVARA, J.
High accuracy optical rate sensor 18 p3097 N91-27115
UHER, RICHARD A.
Commercialization of MAGLEV technology
[PB91-121087] 12 p2000 N91-21009
UHI, MASATOSHI
Numerical analysis of gas-particle two-phase flows 04 p0467 N91-12619
UHL, MARY A.
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 08 p1184 N91-16513
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 24 p4062 N91-32692
UHLMANN, J. K.
An algorithm for improved gating combinatorics in multiple-target tracking
[AD-A224700] 03 p0400 N91-12225

UHLMANN, JEFFREY K.
Enhancing multidimensional tree structures by using a bilinear decomposition
[AD-A229756] 12 p1956 N91-20763
Explicit state vector representation for heteroassociative memories
[AD-A229757] 12 p1963 N91-20803
Efficient approaches for report/cluster correlation in multitarget tracking systems
[AD-A231589] 13 p2073 N91-21421
UHM, H. S.
Pulse shaping a high-current relativistic electron beam in vacuum
[AD-A230674] 12 p1977 N91-20876
UHRIG, HANS K.
Keynote to the session on communications, network, and station control 14 p2211 N91-22212
UHRIG, R. E.
Analysis of neutron noise spectra using neural networks
[DE91-007676] 15 p2489 N91-23785
UHT, J. C.
Space environmental effects on silvered Teflon thermal control surfaces 16 p2715 N91-25031
UITTENBOGAARD, A. H.
Distributed incremental maximum finding in hierarchically divided graphs
[RUU-CS-90-30] 23 p3910 N91-31828
UJINO, ISAO
Vibration testing of a 1/5 scale model of H-2 launch vehicle
[NAL-TR-1061] 01 p0016 N91-10099
ULA, N.
Simulation, design, and fabrication of thin-film resistive-gate GaAs charge coupled devices
[DE91-000419] 07 p1072 N91-15902
ULABY, FAWWAZ T.
Mesoscale monitoring of the soil freeze/thaw boundary from orbital microwave radiometry
[NASA-CR-185901] 05 p0686 N91-13817
Multiband radar characterization of forest biomes
[NASA-CR-185101] 06 p0839 N91-14638
Millimeter-wave radar scattering from terrain: Data handbook, version 2.0
[AD-A228392] 09 p1322 N91-17260
ULEN, ESKIL
Some control problems with broad range variable speed for horizontal axis wind turbines
[FFA-TN-1990-37] 11 p1728 N91-19513
ULISSE, MICHAEL
Nonlinear analysis of a spinning symmetric satellite in an elliptical orbit
[AD-A230463] 12 p1854 N91-20190
ULITIN, A. N.
Effect of aminazine on functional state of cardiovascular system during hyperthermia 19 p3211 N91-27750
ULJANOV, ADOLPH A.
Design and industrial production of frequency standards in the USSR 17 p2852 N91-25769
Time and frequency measuring metrological equipment in the USSR 17 p2855 N91-25784
Performance of Soviet and US hydrogen masers 17 p2857 N91-25799
ULLAL, H. S.
Comparative study of phosphosilicate glass on (100) silicon by furnace and rapid isothermal annealing
[NIAR-90-26] 08 p1120 N91-16153
Research on polycrystalline thin-film materials, cells, and modules
[DE91-002124] 09 p1415 N91-17789
Polycrystalline thin film photovoltaic technology
[DE91-002136] 20 p3367 N91-28650
ULLMAN, JEFFREY D.
Research into the design and implementation of knowledge base systems
[AD-A228873] 08 p1241 N91-16843
ULLMAN, ROGER R., II
A model of the acoustic interactions occurring under Arctic ice
[AD-A227128] 06 p0869 N91-14806
ULLMANN, J. L.
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
ULLMANN, K.
Correlations between charged particles emitted in ion-molecule collisions
[DE91-005557] 10 p1592 N91-18776
ULMER, M. P.
Search for cold gas in clusters with and without cooling flows 05 p0749 N91-14174
SMM observations of interstellar Al-26
[AD-A236222] 19 p3264 N91-28055
ULRICH, D. R.
Processing science of advanced ceramics, volume 155
[AD-A229587] 22 p3653 N91-30331
ULRICH, DIETER
Angle measurements with the laser gyro GG 1342
[ESA-TT-1212] 13 p2088 N91-21490
ULRICH, KIMBERLY K.
National Space Transportation System (NSTS) technology needs 09 p1277 N91-17021
ULRICH, NATHAN THATCHER
Mechanical design optimization of robot manipulator performance 20 p3356 N91-28589
ULRICH, RANDY
Troubleshooting Assessment and Enhancement (TAE) program: Design, development, and administration, volume 1
[AD-A236411] 19 p3228 N91-27847
ULUG, B.
Preparation and characterisation of LaBaCaCu3O(x) and La(1.3)Ba(1.7)Cu3O(x)
[DE91-615673] 12 p1985 N91-20924
ULVESTAD, J. S.
Interagency telemetry arraying for Voyager-Neptune encounter 03 p0355 N91-11982
UM, CHUNG I.
Exact solution of a quantum forced time-dependent harmonic oscillator
[AD-A236633] 20 p3394 N91-28812
UM, CHUNG-IN
Coefficients of the second viscosity in thin liquid-helium films
[AD-A225237] 03 p0339 N91-11899
Propagators for quantum oscillator chains
[AD-A234467] 18 p3058 N91-26893
UMAN, MARTIN A.
Comparison of the RF frequency spectra of HEMP and lightning
[AD-A234306] 18 p3014 N91-26642
Characterization of vertical electric fields and associated voltages induced on an overhead power line from close artificially initiated lightning
[DE91-010781] 18 p3016 N91-26656
Characterization of vertical electric fields and associated voltages induced on a overhead power line from close artificially initiated lightning 24 p4051 N91-32629
Voltages induced on a power distribution line by overhead cloud lightning 24 p4069 N91-32734
Influence of channel base current and varying return stroke speed on the calculated fields of three important return stroke models 24 p4069 N91-32736
UMAR, A. S.
Microscopic heavy-ion theory
[DE91-010739] 15 p2504 N91-23869
A dynamical picture of hadron-hadron collisions with the string-parton model
[DE91-016278] 24 p4095 N91-32881
UMARETIYA, JAGDISH R.
Specifications extraction and synthesis: Their correlations with preliminary design 05 p0706 N91-13936
UMBERGER, KATHRYN O.
Behavioral effects of 1300 MHz high-peak-power microwave pulsed irradiation
[AD-A226269] 04 p0551 N91-13059
UMEDA, ALAN Y.
A head coupled sensor platform for teleoperated ground vehicles
[AD-A230649] 12 p1907 N91-20496
UMEDA, YOSHIKUNI
Numerical analysis of supersonic gas-particle two-phase flows around a sphere 04 p0452 N91-12521
Numerical analysis of gas-particle two-phase flows 04 p0467 N91-12619
Numerical analysis of bubbly liquid in convergent-divergent nozzle 24 p3945 N91-32052
UMEHARA, S.
Two-stage ion diode experiments on induction adder 11 p1801 N91-19884
UMEZAWA, A.
Low temperature flux creep in high-T(sub c) superconductors
[DE91-015193] 21 p3593 N91-29988
Magnetic relaxation of the organic superconductor kappa-(BEDT-TTF)2Cu(N(CN)2)Br
[DE91-016528] 24 p4110 N91-32969
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989
UMLAND, JEFFREY W.
Candidate proof mass actuator control laws for the vibration suppression of a frame 14 p2231 N91-22340
Active damping using a control structure interaction approach 24 p3990 N91-32290
UNAL, C.
Unifying the controlling mechanisms for the critical heat flux and quenching: The ability of liquid to contact the hot surface
[DE91-005946] 19 p3257 N91-28015
UNAL, O.
Strain release in GaAs/Ga(1-x)/In(x)As strained layer superlattices grown on (112) substrates
[DE91-009972] 15 p2516 N91-23944
UNAL, RESIT
Design optimization for cost and quality: The robust design approach 04 p0600 N91-13344
UNCAPHER, KEITH W.
A research program in computer technology
[AD-A224924] 09 p1373 N91-17547
UNDERWOOD, D. G.
Advantages of polarization experiments at RHIC
[DE91-011173] 16 p2685 N91-24870
UNDERWOOD, J. H.
A tunable x ray microprobe using synchrotron radiation
[DE90-011219] 08 p1148 N91-16322
Review of ASTM symposium on surface crack growth: Models, experiments, and structures
[AD-A230645] 12 p1914 N91-20529
Effects of notch geometry and moisture on fracture strength of carbon/epoxy and carbon/bismaleimide laminates
[AD-A231892] 14 p2240 N91-22392
Load-line displacements for three-point bend J tests using bottom surface displacements
[AD-A229634] 24 p4030 N91-32518
UNDERWOOD, JOHN H.
The effect of manganese phosphate coatings on fatigue crack initiation
[AD-A224931] 03 p0381 N91-12124
UNERTL, W. N.
Interaction of copper with a vapor deposited polyimide film
[AD-A225819] 04 p0501 N91-12781
Vapor deposition of polyimide and polyimide precursors on copper
[AD-A225729] 04 p0507 N91-12814
Interfacial chemistry of titanium films deposited on PMDA-ODA polyimide
[AD-A225730] 05 p0640 N91-13550
Effect of excess oxydianiline on the properties of polyimide
[AD-A237467] 21 p3488 N91-29351
Surface structure and surface order
[AD-A237466] 21 p3595 N91-30001
UNGER, GEORGE
NASA Aerodynamics Program
[NASA-TM-4312] 23 p3897 N91-31751
UNGER, S. W.
The morphology of Sersic-Pastoriza galaxies 08 p1252 N91-16893
UNGER, STEPHEN W.
The violent interstellar medium in Messier 31 05 p0750 N91-14178
UNITES, W. G.
A high temperature, plasma-assisted chemical vapor deposition system
[DE91-000260] 04 p0506 N91-12809
UNROE, MARILYN R.
The synthesis of decyloxy substituted aromatic polyazomethines for increased solubility
[AD-A225340] 03 p0345 N91-11933
UNRUH, W. P.
On the measurement of wind speeds in tornadoes with a portable CW/FM-CW Doppler radar
[DE91-008589] 14 p2291 N91-22671
UNSEREN, M. A.
A rigid body model and decoupled control architecture for two manipulators holding a complex object
[DE91-007827] 11 p1715 N91-19444
On the control of two manipulators holding a rigid object in the presence of uncertainty
[DE90-017742] 15 p2438 N91-23508
Dynamic coupling effects in modeling and control of hard contact motion of a manipulator
[DE91-010393] 20 p3353 N91-28574
Proposal for continued basic research in intelligent machines at the Center for Engineering Systems Advanced Research: Fiscal years 1992-1996
[DE91-012997] 20 p3390 N91-28784
Research and development at ORNL/CESAR towards cooperating robotic systems for hazardous environments
[DE91-015638] 21 p3564 N91-29810
UNTERHITZENBERGER, JOSEF
Propulsion system concept for the Eurofar tilt rotor aircraft
[MBB-UD-0573-90-PUB] 11 p1648 N91-19084
UNVERDI, SALIH OZEN
Numerical simulations of multifluid flows 22 p3674 N91-30457

UNYELIOGLU, KONUR ALP
A decentralized controller for highly augmented aircraft 07 p1042 N91-15717
UOSUKAINEN, SEPPO
Properties of acoustic energy quantities
[DE90-518714] 01 p0119 N91-10701
UPADHYAYA, SHAMBHU J.
Northeast Artificial Intelligence Consortium (NAIC). Volume 3: The Versatile Maintenance Expert System (VMES)
[AD-A234882] 18 p3046 N91-26817
UPCHURCH, BILLY T.
An investigation of microstructural characteristics of contact-lens polymers
[NASA-TP-3034] 05 p0630 N91-13492
Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB] 13 p2048 N91-21270
UPCHURCH, E.
Hyperswitch communication network 14 p2355 N91-23026
UPDIKE, E.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463
UPPERT, T.
Digital roughness gauge
[PB91-119750] 12 p1900 N91-20448
UPPILI, SUDARSAN
Low-temperature laser-induced selective area growth of compound semiconductor 15 p2514 N91-23932
UPSCHULTE, B. L.
Significant reduction in arc frequency biased solar cells: Observations, diagnostics, and mitigation technique(s) 22 p3636 N91-30235
UPTON, CINDY G.
Proceedings of the 7th Semiannual Meeting of the Nozzle Initiative Industry Advisory Committee on Standardization of Carbon-Phenolic Test Methods and Specifications
[NASA-CR-188720] 22 p3642 N91-30271
URALOVA, S. V.
A numerical calculation of parameters of explosion MHD shock waves from moderate solar flares 06 p0918 N91-15066
URAS, RASIM AZIZ
Study of the influence of imperfections on the dynamic stability of tanks
[DE90-011094] 08 p1162 N91-16398
URATA, KAZUHIRO
Current bubble formation by nonlinear coupling of resistive tearing modes
[DE90-520195] 04 p0584 N91-13256
URBACH, HERMAN B.
A differential turbomachinery equation with viscous correction
[AD-A226183] 04 p0522 N91-12909
URBAN, CHRISTINE
A vortex lattice method for the calculation of interference effects between wings and free vortex sheets in subsonic flow
[ETN-90-98196] 04 p0472 N91-12646
URBANEK, J.
Diffusion of Ni in Cu-Au and Cu-Al alloys (TEXUS 20) 23 p3832 N91-31373
URBARZ, H. W.
Type 2 solar radio bursts recorded at Weissenau, 1966-1987
[PB90-198334] 02 p0294 N91-11648
URDAHL, RANDALL S.
Cometary implications of the internal energy distributions of the C2 and C3 radicals produced in the photolysis of the C2H and C3H2 17 p2894 N91-25998
URNES, JAMES M.
Flight demonstration of a self repairing flight control system in a NASA F-15 fighter aircraft 04 p0486 N91-12702
UROLOV, A. M.
A numerical calculation of parameters of explosion MHD shock waves from moderate solar flares 06 p0918 N91-15066
URRUTIA, J. M.
Currents between tethered electrodes in a magnetized laboratory plasma
[NASA-CR-186128] 03 p0419 N91-12344
Laboratory experiments on current flow between stationary and moving electrodes in magnetoplasmas 09 p1402 N91-17719
URRY, C. MEGAN
Accretion disk emission from a BL Lacertae object 09 p1445 N91-17971
USAB, WILLIAM J., JR.
Formulation of boundary conditions for the multigrid acceleration of the Euler and Navier Stokes equations
[NASA-CR-188234] 15 p2426 N91-23440
USADI, A.
Computer simulation of solar wind-magnetosphere interaction 20 p3410 N91-28904
A global simulation of the magnetosphere with a long tail: Southward and northward IMF
[NIFS-99] 24 p4043 N91-32592
USAVAGE, PAUL, JR.
A modernized PDL approach for Ada software development 01 p0106 N91-10616
USHAKOV, A. S.
Feeding the Salyut-7 crews 22 p3714 N91-30671
Reaction of sympathoadrenal system of cosmonauts after long missions on Salyut-7 orbital spacecraft 22 p3714 N91-30672
Feeding the Salyut-7 crews 22 p3716 N91-30685
Reaction of sympathoadrenal system of cosmonauts after long missions on Salyut-7 orbital spacecraft 22 p3716 N91-30686
USHER, D.
Exobiology in Earth orbit: The results of science workshops held at NASA, Ames Research Center
[NASA-SP-500] 06 p0856 N91-14725
USHIMARU, KENJI
Japanese power electronics inverter technology and its impact on the American air conditioning industry
[DE90-014843] 02 p0213 N91-11191
USRY, JIM
Doppler global velocimetry 10 p1453 N91-18007
USUI, H.
Research on aerodynamic control of blade tip clearance flow in air-cooled turbine
[DE91-764223] 15 p2381 N91-23182
USUI, HIROSHI
Effects of coolant injection on turbine aerodynamic characteristics. Part 1: Test turbine and apparatus
[NAL-TM-585-PT-1] 01 p0010 N91-10059
Experimental investigation on the effect of coolant injection on turbine aerodynamic characteristics. Part 2: Effects of injection from rotor casing with 30 deg slanted holes
[NAL-TM-587-PT-2] 01 p0010 N91-10060
UUTTU, TERO
Testing of engineering ceramics, summary
[VTT-RR-678] 05 p0643 N91-13567
UZ, MEHMET
Thermal stability of the microstructure of an aged Nb-Zr-C alloy
[NASA-TM-103647] 06 p0807 N91-14454
UZELAC, M. J.
Effectiveness of tiltrotor support to ground combat
[DE91-013603] 20 p3285 N91-28167

V

V.D.BERG, J.
Stability properties of a flow process in graphs
[REPT-90-58] 08 p1210 N91-16656
V.D.BRINK, S. R.
Investigation into the applicability of knowledge engineering
[NLR-TP-89031-U] 23 p3917 N91-31878
V.D.HEUVEL, EDOUARD P.
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169
V.DIJK, MARK J.
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169
V.LUDWIGER, ILLOBRAND
Possibilities of simulation and optimization for guided missile systems
[MBB-UA-1201-90-PUB] 23 p3798 N91-31183
VAANDRAGER, FRITS
An efficient algorithm for branching bisimulation and stuttering equivalence
[CWI-CS-R9001] 03 p0412 N91-12302
VAANDRAGER, FRITS W.
Three logics for branching bisimulation
[CWI-CS-R9012] 10 p1572 N91-18647
Back and forth bisimulations
[CWI-CS-R9021] 10 p1572 N91-18650
VACHIERY, V.
The EUROCONTROL future ATS system concept and the programme of studies, tests, and trials 02 p0172 N91-10983
VADAKETH, S.
Solid rocket booster internal flow analysis by highly accurate adaptive computational methods
[NASA-CR-184141] 13 p2043 N91-21239
VADAS, SHARON L.
False-vacuum decay in generalized extended inflation
[NASA-CR-186419] 01 p0117 N91-10695
Plausible double inflation
[NASA-CR-188449] 16 p2697 N91-24934
VADER, J. P.
Central activity in 60 micron peakers 08 p1255 N91-16913
VADON, H.
Optimum-AIV: A planning and scheduling system for spacecraft AIV 14 p2312 N91-22770
VAEL, G.
Dispersion alloys (TEXUS 19) 23 p3846 N91-31442
VAERNES, R.
Effects of weightlessness (sea water immersion) on body fluid balance and CNS functions 15 p2449 N91-23566
VAEWIG, ROBERT L.
Pressure distribution and induced force field on a conical nozzle due to impingement of a normal jet into the supersonic cross-flow
[AD-A233981] 18 p2921 N91-26115
VAEZGHAEMI, REZA
Information acquisition for knowledge based fault diagnosis of electronic circuits
[ETN-91-98786] 10 p1521 N91-18376
VAHEDI, V.
Simultaneous potential and circuit solution for bounded plasma particle simulation codes
[DE91-008959] 12 p1985 N91-20921
VAIDYA, D. B.
Circumstellar dust in Vega-like stars: A detailed analysis of IRAS observations 10 p1622 N91-18951
VAIDYANATHAN, GOPAL
Cationic polymerization within van der Waals clusters of the form (CH2=R)n where R=CH2, CF2 and CHCH3
[AD-A234233] 18 p2946 N91-26255
VAIDYANATHAN, H.
Physical and chemical analysis of a Ni/H2 cell 24 p4037 N91-32555
VAIL, J. DOUGLAS
Comparison of structural performance of one- and two-bay rotary joints for truss applications
[NASA-TM-4282] 19 p3113 N91-27198
VAIL, L. W.
Robustness of a multiple-use reservoir to seasonal runoff shifts associated with climate change
[DE91-004809] 07 p1027 N91-15639
VAILLANT, ROBERT
Procedure for steering a low-speed missile, weapon system, and missile for implementation of the procedure
[PATENT-1-265-947] 23 p3797 N91-31182
VAIRAVAMURTHY, A.
Methods for determination of low-molecular weight carbonyl compounds in the ambient atmosphere
[DE91-015188] 21 p3538 N91-29656
Sampling of atmospheric carbonyl compounds for determination by liquid chromatography after 2,4-dinitrophenylhydrazine labelling
[DE91-015842] 24 p4042 N91-32585
VAIRO, DANIEL M.
Selectable towline spin chute system
[NASA-CASE-LAR-14322-1] 19 p3102 N91-27139
VAISBERG, O. L.
The possibility of making fast measurements of ion distribution functions 01 p0072 N91-10438
VAKAKIS, ALEXANDER F.
Analysis and identification of linear and nonlinear normal modes in vibrating systems 16 p2643 N91-24632
VAKILI, A. D.
Investigation of transonic flow over segmented slotted wind tunnel wall with mass transfer
[NASA-CR-187760] 08 p1090 N91-15981
VAKILI, F.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
VAKULENKO, V. M.
Stress and human circulation 10 p1562 N91-18592
VALAND, PER ATLE
BAG: A programming language for the CESAR buffer address generator
[FFI-90/7022] 05 p0704 N91-13923
CESAR trap program library
[FFI-90/7023] 05 p0704 N91-13924
VALANJU, P. M.
Analytical calculation of neutral transport and its effect on ions
[DE91-015908] 21 p3577 N91-29896
VALAVANI, LENA
Robust and adaptive control
[AD-A224810] 03 p0409 N91-12283
VALCO, MARK J.
Advanced Rotorcraft Transmission (ART) program-Boeing helicopters status report
[NASA-TM-104474] 17 p2785 N91-25412

VALDES-GALICIA, J. F.
Space physics research in Mexico
07 p0948 N91-15205
VALDEZ, CHARLES D.
The FAA altitude chamber training flight profile: A survey of altitude reactions, 1965-1989
[AD-A230057] 12 p1928 N91-20611
VALDEZ, J. G.
High-performance capillary electrophoresis of histones
[DE91-008585] 13 p2049 N91-21275
VALDIMIROFF, T.
Modification of the user friendly thermodynamic code to include the effects of minor species
[AD-A233929] 18 p2969 N91-26390
VALENCIA, G.
W(sub L)W(sub L) scattering at the SSC
[DE91-008442] 11 p1796 N91-19851
VALENCIA, J. E.
Comparison of some x ray sensors for verification
[DE90-011990] 08 p1148 N91-16323
VALENTA, FRANK
A study of the radiant ignition of a range of pyrotechnic materials using a CO2 laser
[MRL-TR-90-20] 07 p0987 N91-15416
VALENTE, TINA M.
Scaling laws for light weight optics, studies of light weight mirrors mounting and dynamic mirror stress, and light weight mirror and mount designs
[NASA-CR-187368] 03 p0417 N91-12335
VALENTINE, C. K.
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544
VALENTINE, TIM
National Aeronautics and Space Administration Multiyear Authorization Act of 1991
18 p3083 N91-27046
VALERIO, J.
Water transport properties of fuel cell ionomers
[DE91-016015] 23 p3811 N91-31259
VALERIOFILHO, MARIO
Identification of areas subject to flooding through TM/LANDSAT images in the basin of the rivers Pindare, Mearim, Jaguaribe, Apodi, Piranhas, and San Francisco
[INPE-5034-RPE/619] 02 p0229 N91-11279
VALERO, FRANCISCO P. J.
Cirrus cloud statistics: Temperatures and optical depths 01 p0078 N91-10466
The radiation budget of a Cirrus layer deduced from simultaneous aircraft observations and model calculations 01 p0078 N91-10467
Preliminary results of radiation measurements from the marine stratus FIRE experiment
01 p0091 N91-10529
Remote sensing of Earth's atmosphere and surface using a digital array scanned interferometer: A new type of imaging spectrometer 17 p2796 N91-25466
VALETT, JON
Annotated bibliography of software engineering laboratory literature
[NASA-TM-103415] 08 p1201 N91-16602
VALETT, JON D.
The Software Management Environment (SME)
01 p0105 N91-10609
VALETT, SUSAN RAY
A study of the portability of an Ada system in the software engineering laboratory (SEL)
[NASA-TM-103413] 07 p1051 N91-15771
VALINO, L.
Turbulent flow modelling in Spain: Overview and developments 24 p4015 N91-32448
VALIYEV, K. A.
Characteristics of excimer laser with narrow emission line 11 p1787 N91-19807
VALK, A.
Safety analysis in test facility design
07 p0951 N91-15224
VALK, D.
The near ultraviolet spectra of comets P/Brorsen-Metcalf and Austin 12 p2003 N91-21022
VALK, P. J. L.
The incidence of sleep disturbances in Dutch cockpit crew operating on transmeridian routes
[ETN-91-98697] 10 p1563 N91-18599
VALLADO, DAVID A.
Methods of astrodynamics, a computer approach
[AD-A239662] 23 p3915 N91-31861
VALLAS, G.
Guidnace simulation model of antisea-skimmer utilization for weapon system definition
05 p0620 N91-13438
VALLET, C. E.
Application of ion implantation to electrochemical studies
[DE91-000708] 07 p1070 N91-15888
VALLETTE, B. J.
Analysis of error in TOMS total ozone as a function of orbit and attitude parameters
[NASA-CR-4361] 13 p2121 N91-21670
VALLETTE, BRENDA J.
Atlas of the Earth's radiation budget as measured by Nimbus-7: May 1979 to May 1980
[NASA-RP-1263] 16 p2660 N91-24720
VALLIMONT, JOHN
Effects of long term exposure on optical substrates and coatings (SOO50-1) 16 p2721 N91-25071
VALLURI, MONICA
Collisional removal of HI from the inner disks of Virgo cluster galaxies 08 p1262 N91-16952
VALNICEK, B.
The importance of simultaneous monitoring of solar activity for the interpretation of solar plasma phenomena
01 p0072 N91-10433
VALONE, STEVEN M.
A step back: Hydrogen abstraction from methane using a semiempirical molecular orbital method
[DE91-000186] 07 p0975 N91-15352
VALORA, N.
Lymphocytes on sounding rockets
11 p1749 N91-19620
VALOT, C.
Advances in navigation support systems based on operational pilot's heuristics
[RAE-TRANS-2184] 09 p1276 N91-17012
VALOVIC, M.
An ohmic heating circuit for the CASTOR tokamak
[IPPCZ-295] 03 p0420 N91-12347
Suppression of magnetic fluctuations by lower hybrid current drive on the Castor tokamak
[IPPCZ-300] 17 p2866 N91-25854
VALTONEN, M. J.
Merging galaxies and black hole ejections
08 p1258 N91-16929
VALY, Y.
Wound helium pressurant tank development for 2nd stage of Ariane 4 launcher 03 p0331 N91-11853
VAN-HOVE, M. A.
Exact theory of one-phonon amplitudes in diffractive atom-surface scattering
[AD-A228928] 09 p1395 N91-17678
VANACKERE, M.
Thickness variations during MOVPE growth on patterned substrates
[AD-A229685] 12 p1990 N91-20951
VANAREM, B.
Queueing analysis of a generalized slotted-ring model
[MATHS-MEMO-900] 10 p1589 N91-18757
VANAST, CAMILLE I.
Applications research studies on microtubules
[AD-A228756] 08 p1128 N91-16205
VANBAELEN, JOEL STEPHAN HENRY MARCEL
Comparison of clear air atmospheric radar techniques for the study of atmospheric dynamics in the troposphere and the stratosphere
[PB90-256314] 02 p0235 N91-11313
VANBANNEKOM, A. J.
Paleoceanography and geochemistry of the Angola Basin (South Atlantic Ocean). Cruise report R. V. TYRO, September 30 - November 19, 1989
[PB91-177444] 19 p3206 N91-27720
VANBEEK, C. M.
Development of an advanced panel method for complex configurations in subsonic compressible flow; application to the computation of the potential flow through ducts
[NLR-TR-88001-U] 23 p3869 N91-31579
VANBEMMELEN, THEO
Symmetries of the three body problem
[MEMO-843] 01 p0115 N91-10674
Nonlocal symmetries and recursion operator of the Landau-Lifshitz equation
[MATHS-MEMO-891] 10 p1581 N91-18704
VANBENTHEM, JOHAN
General dynamics
[ITLI-LP-90-11] 22 p3745 N91-30873
VANBERKEL, G. J.
Analysis of metals in solution using electrospray ionization mass spectrometry
[DE91-012522] 20 p3308 N91-28310
VANBERKUM, E. E. M.
On the optimality of a new class of adjusted orthogonal designs
[MEMO-COSOR-89-34] 07 p1057 N91-15809
VANBEZOUWEN, J. P.
Test procedure frequency multiplier 583R936H03/H04
[FEL-90-A089] 05 p0654 N91-13636
VANBIBBER, KARL
A proposed search for dark-matter axions in the 0.6-16 micro-eV range
[NASA-CR-188173] 15 p2529 N91-24015
VANBISE, W.
Observations of ELF signatures arising from space vehicle disturbances of the ionosphere
[AD-A236563] 19 p3152 N91-27423
VANBREUGEL, WIL
Radio loud far-infrared galaxies
08 p1253 N91-16902
VANBRONKHORST, ERIK
Portable 45-gigahertz radar for glint and scintillation studies
[AD-A238005] 21 p3500 N91-29421
VANBRUNT, RICHARD I.
Nonequilibrium effects in ion and electron transport
[AD-A229961] 12 p1976 N91-20869
VANBUREN, DAVE
Dust in stellar wind bow shocks
06 p0901 N91-14979
VANBUSKIRK, PAUL D.
Volumetric measurement of tank volume
[NASA-CASE-MSC-21500-1] 13 p2088 N91-21493
VANCAMP, WARREN
Backbone upgrades and DEC equipment replacement
18 p3078 N91-27014
VANCAUTER, EVE
Phase-shifting effect of light and activity on the human circadian clock
[AD-A235615] 19 p3211 N91-27753
VANCE, L. STUART
MultiNet TCP/P/IP for VAX/VMS update
18 p3079 N91-27020
VANCE, PETER
Shot report, Holo-17-Holo-22 Rex-9
[DE91-002575] 06 p0829 N91-14583
VANCHAU, KIET
Static and cyclic compressive fatigue of thermoplastic-matrix composite in ambient and moisture environments
[AD-A234187] 18 p2940 N91-26217
VANCOTT, HAROLD
Basic research in human factors
[AD-A226318] 10 p1564 N91-18602
VANCRUYNINGEN, IKE JOHN
Quantitative imaging of turbulent gaseous jets using planar laser-induced fluorescence
22 p3672 N91-30446
VANCUTSEM, BERNARD
Detection of outliers and robust estimation using fuzzy clustering
[RR-822-M] 15 p2496 N91-23823
VANCUTSEM, C.
Review of female applicant aircrew in the Belgian forces 02 p0246 N91-11368
VANDALSEM, WILLIAM R.
Simulation of powered-lift flows
02 p0152 N91-10886
VANDAM, H.
Research in theoretical physics
[DE91-010744] 17 p2874 N91-25897
VANDAM, J. W.
Effects of compressibility, diamagnetic drift, and thermal conduction on resistive ballooning modes in the second stability regime
[DE90-017618] 04 p0583 N91-13254
VANDAMME, RUUD
Three dimensional reconstruction of closed objects by piecewise cubic triangular Bezier patches
[MATHS-MEMO-885] 10 p1572 N91-18646
VANDEBERG, P. H. G.
On the accuracy of radiowave propagation measurements: Olympus propagation experiment
[EUT-90-E-245] 22 p3665 N91-30406
VANDELAGEMAAT, JEROEN
The transport layer
[MEMO-INF-90-85] 22 p3737 N91-30814
Conformance testing
[MEMO-INF-90-86] 22 p3737 N91-30815
VANDELAGEMAAT, JOEREN
Report on LOTOSPHERE after one year
[MEMO-INF-90-48] 10 p1571 N91-18638
Formal description techniques for distributed computing systems, the challenges for the 1990's
[MEMO-INF-90-31] 10 p1577 N91-18676
VANDELEIJGRAAF, R.
A measurement system for production flight tests of new aircraft
[NLR-TP-89222-U] 22 p3619 N91-30134
VANDELINDE, F. J. G.
The effect of condensation in clothing on heat transfer
[IZF-1990-B-5] 05 p0697 N91-13881
VANDEMOLENGRAFT, MARINUS JACOBUS GERARDUS
Identification of non-linear mechanical systems for control application
[ISBN-90-9003596-6] 08 p1208 N91-16644

VANDENAKKER, BERT R. M.
Three-phase parallel join model
[MEMO-INF-90-49] 10 p1577 N91-18679
VANDENANCKER, J. A. M.
The relation between tree physiology and multispectral and color photography: First phase
[BCRS-89-39] 05 p0681 N91-13785
VANDENAVYLE, J. A.
High-energy backscattered electron imaging of voids in aluminum metallizations
[DE91-014895] 21 p3480 N91-29303
VANDENBERG, B.
A European collaborative investigation of the three-dimensional turbulent shear layers of a swept wing
[NLR-MP-88054-U] 23 p3782 N91-31084
Turbulence modelling: Survey of activities in Belgium and The Netherlands, an appraisal of the status and a view on the prospects 24 p4015 N91-32444
VANDENBERG, C. A.
Logging and recovery in PRISMA
[CWI-CS-R9049] 17 p2833 N91-25657
Performance analysis of a dynamic query processing scheme
[CWI-CS-R9050] 17 p2833 N91-25658
VANDENBERG, H.
Negation in knowledge graphs
[PB91-185421] 21 p3558 N91-29776
Quantification in knowledge graphs
[PB91-185819] 22 p3744 N91-30861
VANDENBERG, J. I.
Development and validation of characteristic boundary conditions for cell-centered Euler flow calculations with a shock-free airfoil
[NLR-TP-89360-U] 23 p3781 N91-31081
VANDENBERG, J. L.
The M/G/1 queue with processor sharing and its relation to a feedback queue
[CWI-BS-R9006] 04 p0572 N91-13175
VANDENBERG, JACOB
Computing boolean functions on anonymous networks
[CWI-CS-R9011] 07 p1057 N91-15808
VANDENBERG, L.
Crystal surface analysis using matrix textural features classified by a probabilistic neural network
[DE91-014120] 20 p3433 N91-29048
VANDENBERK, D.
Fabry-Perot observations of comet Austin
12 p2003 N91-21021
VANDENBOOM, TON
A comparison of classical and modern controller design: A case study
[EUT-90-E-244] 22 p3742 N91-30850
VANDENBOSCH, P.
Review of female applicant aircrew in the Belgian forces 02 p0246 N91-11368
VANDENBRIEL, WIES
Unicellular algae in space. 1: Preparatory tests
11 p1753 N91-19639
Unicellular algae in space. 2: Sounding-rocket experiment 11 p1753 N91-19640
VANDENBROEK, P. M.
Algebraic graph rewriting using a single pushout
[MEMO-INF-91-09] 22 p3735 N91-30799
VANDENBROEK, P. P.
Semi passive attitude stabilization for a geodetic satellite 03 p0316 N91-11765
VANDENDAM, R. F.
Optimization of target pressure distributions
10 p1458 N91-18038
Constrained spanload optimization for minimum drag of multi-lifting-surface configurations
10 p1459 N91-18046
Effects of low bond number liquid motions on spacecraft attitude
[NLR-TP-89352-U] 22 p3630 N91-30199
VANDENENDE, HERMAN
Unicellular algae in space. 1: Preparatory tests
11 p1753 N91-19639
Unicellular algae in space. 2: Sounding-rocket experiment 11 p1753 N91-19640
Unicellular algae in space. 3: Addendum
11 p1753 N91-19641
VANDENHEUVEL, J.
Long cycles, degree sums, and neighborhood unions
[MEMO-851] 01 p0115 N91-10676
VANDENHIJLIGENBERG, N.
Defining relations for Lie algebras of vector fields
[MEMO-928] 22 p3746 N91-30878
VANDENNEHEUVEL, SIEGER
Physiological modelling using RL
[ITLI-CT-90-08] 22 p3718 N91-30695
Weak equivalence
[ITLI-CT-91-04] 23 p3919 N91-31891
VANDENTOP, GILROY JOHN
A study of the chemical, mechanical, and surface properties of thin films of hydrogenated amorphous carbon
[DE91-000357] 02 p0282 N91-11585
VANDEPLASSCHE, RUDY JOHAN
High-speed and high-resolution analog-to-digital and digital-to-analog converters
[ETN-90-97265] 20 p3382 N91-28735
VANDERAAR, MARK J.
Combinatorial FSK modulation for power-efficient high-rate communications
[NASA-TM-105188] 21 p3497 N91-29404
VANDERAH, TERRELL A.
Crystal structure of ZnGa2S4, a defect sphalerite-derivative
[AD-A226937] 06 p0881 N91-14865
On the crystal structure of KInS2-I
[AD-A226940] 06 p0881 N91-14866
VANDERBIJ, J. J.
QCD radiative corrections to charged current heavy quark production
[NIKHEF-H/90-19] 14 p2324 N91-22837
VANDERBLIEK, JAN A.
Aeronautical R and D in smaller countries
04 p0462 N91-12582
VANDERBORGH, N. E.
Electrochemical energy storage using PEM systems
[DE91-016020] 23 p3890 N91-31711
VANDERBORGH, NICHOLAS E.
Advanced system analysis for indirect methanol fuel cell power plants for transportation applications
[DE91-000171] 03 p0386 N91-12154
VANDERBURG, G.
Explorative measurements on the possibilities to observe river bottom topography with SLAR
[BCRS-90-23] 14 p2257 N91-22485
VANDERBURG, J. W.
Multigrid and Runge-Kutta time stepping with frozen dissipation applied to the total variation diminishing Roe-Sweby scheme
[MEMO-936] 22 p3746 N91-30879
Multigrid and Runge-Kutta time stepping applied to the uniformly non-oscillatory scheme for conservation laws
[MEMO-911] 23 p3921 N91-31906
VANDERDUYNSCHOUTEN, FRANK A.
Time to failure, time to repair and availability of a two-unit standby system with Markovian degrading units
[CWI-BS-R9007] 04 p0533 N91-12958
VANDERGAAG, LINDA
On probability intervals and their updating
[RUU-CS-90-22] 06 p0867 N91-14793
A pragmatical view on the certainty factor model
[RUU-CS-90-42] 23 p3922 N91-31917
VANDERGIESSEN, E.
A survey on the mechanisms and mechanics of toughning in structural ceramics
[MEMT-15] 17 p2762 N91-25288
VANDERGIESSEN, ERIK
A creep rupture model accounting for cavitation at sliding grain boundaries
[MEMT-2] 07 p1020 N91-15600
VANDERHOEVEN, DAAN
Topographic mapping from SPOT satellite imagery
[BCRS-90-06] 04 p0539 N91-12986
VANDERHOFF, JOHN A.
Improving spectral fits of absorption data taken with an array detector: Wavelength linearization
[AD-A228213] 07 p0987 N91-15420
Ar(+) laser excited fluorescence of diatomic combustion radicals in a flame
[AD-A230155] 12 p1865 N91-20248
Spectral studies of solid propellant combustion. 3: Emission and absorption results for HMX2 propellant
[AD-A237958] 21 p3475 N91-29276
VANDERHORST, MELIS, JR.
Theoretical calculations for electron proton scattering
[ETN-90-97748] 03 p0416 N91-12329
VANDERHOUWEN, P. J.
A-stable parallel block methods
[CWI-NM-R8918] 02 p0257 N91-11427
Iterated Runge-Kutta methods on parallel computers
[CWI-NM-R9001] 02 p0257 N91-11428
Parallel ODE solvers
[CWI-NM-R9008] 10 p1583 N91-18723
Numerical analysis of time-dependent Boussinesq models
[CWI-NM-R9020] 17 p2846 N91-25730
Stability of collocation-based Runge-Kutta-Nystroem methods
[CWI-NM-R9016] 18 p3049 N91-26835
VANDERHULST, J. M.
High velocity gas in external galaxies
05 p0735 N91-14105
A multi-wavelength study of the peculiar galaxy NGC 2976 05 p0754 N91-14199
VANDERKRAAN, P.
Aircraft trajectory reconstitution on the basis of multi-radar plot information 02 p0176 N91-11002
VANDERLUNE, J.
Systematic computations on Gauss' lattice point problem (in commemoration of Johannes Gaultherus van der Corput, 1890-1975)
[CWI-AM-R9008] 03 p0402 N91-12238
VANDERMAAREL, ERIC H. T. M.
Spurious entropy generation in a non-smooth geometry
[CWI-NM-R9009] 10 p1583 N91-18724
VANDERMAAREL, H. T. M.
BASIS: A data structure for adaptive multigrid computations
[CWI-NM-R9014] 17 p2836 N91-25675
EULER: An adaptive Euler code
[CWI-NM-R9015] 17 p2845 N91-25728
VANDERMEULEN, E. A.
Deriving incremental implementations from algebraic specifications
[CWI-CS-R9072] 17 p2836 N91-25671
VANDERMEY, NANCY E.
Damage development under compression-compression fatigue loading in a stitched uniwoven graphite/epoxy composite material
[NASA-CR-188693] 20 p3305 N91-28292
VANDEROER, T. G.
Mounting and DC to 18 GHz characterization of double barrier resonant tunneling devices
[EUT-89-E-231] 22 p3761 N91-30965
Microwave noise measurements on double barrier resonant tunneling diodes
[EUT-90-E-242] 22 p3761 N91-30966
VANDERPLAETSE, F.
An assay for bone cell differentiation in vitro as a tool for microgravity studies in space
11 p1752 N91-19637
VANDERPLOEG, J. M.
Standardization of motion sickness induced by left-right and up-down reversing prisms 11 p1748 N91-19611
VANDERPUTTEN, D.
Low temperature properties of boron carbides
[DE91-008172] 11 p1677 N91-19243
VANDERPUTTEN, RONALD
Programmable pseudorandom detector pulse pattern generator
[ETN-91-98321] 08 p1205 N91-16628
VANDERSANDEN, J. J.
Radar remote sensing of tropical forests: A literary review
[BCRS-90-05B] 14 p2280 N91-22611
VANDERSCHAFT, A. J.
On a state space approach to nonlinear H sub infinity control
[MATHS-MEMO-878] 10 p1578 N91-18687
On the Hamilton-Jacobi equation of nonlinear H sub infinity optimal control
[MATHS-MEMO-895] 10 p1578 N91-18688
Transformations of nonlinear systems into input-output prime form
[MATHS-MEMO-896] 10 p1581 N91-18705
Duality for linear systems: External and state space characterization of the adjoint system
[MEMO-906] 14 p2319 N91-22807
VANDERSCHOOT, ADRIAAN
Common reflection point stacking: A macro model driven approach to dip moveout
[ISBN-90-9003020-4] 20 p3371 N91-28676
VANDERSLOOT, J. H.
A simplified method to estimate compression allowables for composite stiffened panels 03 p0333 N91-11867
VANDERVAART, J. C.
Visual-vestibular interaction in pilot's perception of aircraft or simulator motion 03 p0316 N91-11786
VANDERVALK, R.
The use of Monte Carlo simulation in determining landing gear loads during landing 20 p3285 N91-28162
VANDERVEGT, JANTIEN
Editing objects of hierarchical structured drawing
[CWI-CS-R9074] 17 p2836 N91-25673
VANDERVELDE, R. L.
Flight testing in the Netherlands: An overview
[NLR-MP-88053-U] 23 p3789 N91-31133
VANDERVIS, P. A.
Results of measurements performed on HF backscatter for evaluating the influence on short range HF data links
22 p3659 N91-30366
VANDERVOET, H.
The relation between tree physiology and multispectral and color photography: First phase
[BCRS-89-39] 05 p0681 N91-13785

VANDERVOORT, K. G.
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989
VANDERVORST, A.
Propagation limitations for transionospheric systems from 10 to 300 GHz 24 p3982 N91-32243
VANDERVORST, H. A.
Iterative methods for sparse, linear systems arising from tomographic image reconstruction: The relations between ART, SIRT, and CG
[REPT-90-51] 07 p1059 N91-15824
NUMVEC FORTRAN library manual. Chapter: Partial differential equations. Routine: ICGG3D
[CWI-NM-R9018] 18 p3038 N91-26768
VANDERVORST, HENK A.
Iterative methods in image reconstruction: The relation between ART, block-ART and SIRT
[REPT-89-82] 03 p0407 N91-12271
VANDERWALL, BEREND
Analytic formulations of unsteady profile aerodynamics and its application to simulation of rotors
[DLR-FB-90-28] 05 p0616 N91-13415
VANDERWEIDE, T. P.
Formalisation of techniques: Chopping down the methodology jungle
[TR-90-26] 23 p3936 N91-31996
VANDERWERF, D. C.
The relation between tree physiology and multispectral and color photography: First phase
[BCRS-89-39] 05 p0681 N91-13785
VANDERWOUDE, J. W.
System identification of lossless layered media from input-output data
[CWI-BS-R8929] 02 p0208 N91-11166
VANDERWOUDE, JACOB
Almost noninteracting control for linear systems with exogeneous inputs and outputs
[REPT-90-63] 10 p1584 N91-18728
VANDESSEL, E. L.
Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929
VANDESTADT, HERMAN
The mm and sub-mm wave planar antenna arrays for SIS detectors 13 p2180 N91-22046
VANDETTA, T.
Atlas of air quality and deposition in or near forests of the Western United States
[PB91-106229] 09 p1359 N91-17466
VANDEUSEN, S. B.
Phase formation in the Tl-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
VANDEVELDE, S. L.
Polynomial-time algorithms for single-machine multicriteria scheduling
[CWI-BS-R9008] 03 p0402 N91-12239
Duality-based algorithms for scheduling unrelated parallel machines
[CWI-BS-R9010] 03 p0403 N91-12240
Dual decomposition of single-machine scheduling problems
[CWI-BS-R9009] 17 p2849 N91-25751
A new lower bound approach for single-machine multicriteria scheduling
[CWI-BS-R9026] 17 p2850 N91-25753
New lower and upper bounds for scheduling around a small common due date
[CWI-BS-R9030] 17 p2850 N91-25754
VANDEVENDER, J. P.
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
VANDEVENTER, T. E.
Computer program for mode search in partially-filled waveguide
[AD-A225943] 04 p0514 N91-12860
VANDEWETERING, BRIAN
The MS-DOS device handler interface
[AD-A223856] 02 p0250 N91-11385
The MS-DOS device services interface
[AD-A223902] 02 p0250 N91-11386
The MS-DOS routing and configuration program design
[AD-A223858] 02 p0251 N91-11394
VANDIEP, NGUYEN
The generalized diffusion theory of simply deformable particle-fluid two-phase flows
[MPIS-7/1990] 02 p0213 N91-11193
VANDIEPEN, N. M.
Study day on the design of a network database in four languages
[MEMO-INF-91-22] 23 p3915 N91-31863
VANDIJK, M. H. H.
GSE, a generic syntax-directed editor
[CWI-CS-R9045] 17 p2833 N91-25654
VANDIJK, NICO
Interconnected networks of queues with randomized arrival and departure blocking
[CWI-BS-R8934] 02 p0265 N91-11483
VANDIJKE, M. C. A.
Iterative methods for sparse, linear systems arising from tomographic image reconstruction: The relations between ART, SIRT, and CG
[REPT-90-51] 07 p1059 N91-15824
VANDIJKE, MARCEL C.
Iterative methods in image reconstruction: The relation between ART, block-ART and SIRT
[REPT-89-82] 03 p0407 N91-12271
VANDISHOECK, EWINE F.
The cosmochemistry of protostellar matter
10 p1619 N91-18927
VANDIVER, J. K.
Dimensionless parameters important to the prediction of vortex-induced vibration of long, flexible cylinders in ocean currents
[PB91-184713] 21 p3533 N91-29630
VANDIVER, TERRY L.
JANNAF standardization of tension, compression, and shear test methods to determine mechanical material properties for filament wound composite structures
16 p2576 N91-24278
VANDIVORT, DANIEL L.
Choroidal nevi in USAF aviators
[AD-A233042] 16 p2663 N91-24735
VANDOMMELEN, L.
Unsteady flow past an airfoil pitching at a constant rate 23 p3877 N91-31629
VANDONGEN, JOHN
Data link test and analysis system/TCAS monitor user's guide
[DOT/FAA/CT-TN90/62] 12 p1880 N91-20337
VANDOOREN, J.
Product assurance requirements for environmental test facilities 07 p0951 N91-15223
VANDOOREN, PAUL
An accurate product SVD (singular value decomposition) algorithm
[DE91-004448] 06 p0862 N91-14765
VANDOORN, J. T. M.
MRVS: A system for measuring, recording and processing flight data
[NLR-MP-88034-U] 22 p3619 N91-30135
Flight testing in the Netherlands: An overview
[NLR-MP-88053-U] 23 p3789 N91-31133
VANDOORNE, H.
ERICC: Construction and application of the Command and Control Research Facility
[IZF-1989-55] 08 p1130 N91-16213
VANDOREMAELE, GERARDUS HENRICUS JOSEPHUS
Model prediction, experimental determination, and control of emulsion copolymer microstructure
[ISBN-90-9003718-7] 14 p2250 N91-22450
VANDORP, W. A.
A measurement system for production flight tests of new aircraft
[NLR-TP-89222-U] 22 p3619 N91-30134
VANDRESAR, N. T.
Self-pressurization of a flightweight liquid hydrogen storage tank subjected to low heat flux
[NASA-TM-103804] 12 p1878 N91-20324
A pressure control analysis of cryogenic storage systems
[NASA-TM-104409] 16 p2611 N91-24460
VANDRESAR, NEIL T.
Pressurization and expulsion of cryogenic liquids: Generic requirements for a low gravity experiment
[NASA-TM-104417] 17 p2763 N91-25300
Autogenous pressurization of cryogenic vessels using submerged vapor injection
[NASA-TM-104516] 19 p3144 N91-27375
VANDRIEL, N.
Satellite navigation in civil aviation
[NLR-TP-89009-U] 04 p0476 N91-12659
VANDROMME, D.
Turbulence modeling for compressible flows and implementation in Navier-Stokes solvers
23 p3866 N91-31564
VANDULLEMEN, H. A.
Evaluation of the qualification of the structure of a passenger aircraft by analysis and full-scale testing
16 p2645 N91-24645
VANDYCK, O. B.
Optically pumped polarized ion sources
[DE91-016086] 23 p3925 N91-31932
VANDYKE, J. W.
Geomagnetic storms: Potential economic impacts on electric utilities
[DE91-009523] 15 p2534 N91-24036
VANDYKE, L. S.
Template synthesis of conducting polymers: Enhanced conductivity, enhanced supermolecular order, interesting microstructures
[AD-A229931] 12 p1872 N91-20287
VANDYKE, LEON S.
Mass and charge transport in electronically conductive polymers
[AD-A225305] 03 p0345 N91-11931
VANDYKE, P. T.
Energy and Technology Review, February-March i991
[DE91-015487] 23 p3942 N91-32031
VANE, C. R.
Electron ion interactions in crystal channels: Collisions in ultra-dense electron media
[DE91-004398] 07 p1072 N91-15897
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791
VANEATON, ERROL H.
Airships and the modern military
[AD-A233610] 16 p2548 N91-24117
VANEEKELEN, M. C. J. D.
The ABC-machine: A sequential stack-based abstract machine for graph rewriting
[TR-90-22] 23 p3909 N91-31824
Inventory and functional prototypes of neural networks
[TR-90-15] 23 p3917 N91-31880
VANEGMOND, J. A.
Optimization of target pressure distributions
10 p1458 N91-18038
VANEIJCK, D. JAN N.
Quantifiers
[CWI-CS-R9038] 17 p2833 N91-25651
Determiners
[CWI-CS-R9039] 17 p2833 N91-25652
Formal semantics
[CWI-CS-R9055] 17 p2834 N91-25662
Discourse representation theory
[CWI-CS-R9067] 17 p2835 N91-25669
VANEIJK, A. M. J.
Investigations into a pulsed heterodyne CO2-laser rangefinder
[FEL-90-A087] 07 p1008 N91-15537
VANEIJK, PETER
The term processor Kimwitu: A system for generating language-based software
[MEMO-INF-90-70] 22 p3733 N91-30789
Design of the Lotosphere symbolic LOTOS simulator
[MEMO-INF-91-13] 22 p3735 N91-30802
Tools for LOTOS, a Lotosphere overview
[MEMO-INF-91-25] 22 p3736 N91-30807
VANEK, M. D.
Tunable far infrared studies of molecular parameters in support of stratospheric measurements
[NASA-CR-188774] 23 p3893 N91-31723
VANEMDEBOAS, PETER
Physiological modelling using RL
[ITLI-CT-90-08] 22 p3718 N91-30695
VANENGELEN, J. A. J.
Handling qualities guidelines for the design of fly-by-wire flight control systems for transport aircraft
15 p2371 N91-23119
VANES, ANDRIES JOHANNES JOZEF
High speed narrow bore capillary gas chromatography
[ETN-91-98481] 08 p1113 N91-16113
VANES, J. T.
Principle, advantages and disadvantages of a dc Current Transformer (DCCT)
[DIGEL-1990-5] 13 p2075 N91-21431
Grid pulse generator
[DIGEL-1990-6] 13 p2152 N91-21863
VANESSEN, J. C.
Computerised emission and susceptibility MIL.STD testing with automated NB/BB detection
07 p0960 N91-15283
VANFLANDERN, TOM C.
An alternative to the dirty snowball model of comets
12 p2006 N91-21041
VANFLEET, H. B.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923

VANFOSSEN, G. J.
Increased heat transfer to a cylindrical leading edge due to spanwise variations in the freestream velocity
[NASA-TM-104464] 16 p2591 N91-24359
VANGEL, MARK G.
Model sensitivity in stress-strength reliability computations
[AD-A232023] 15 p2447 N91-23554
VANGERPEN, J. H.
Emission control in diesel engines by alcohol fumigation
[PB91-140335] 17 p2763 N91-25299
VANGERPEN, JON
Simulation of a combined-cycle engine
[NASA-CR-188232] 16 p2635 N91-24583
VANGILS, STEPHAN A.
The center manifold for delay equations in the light of suns and stars
[CWI-AM-R9007] 03 p0411 N91-12297
VANGLABBEEK, R. J.
The refinement theorem for ST-bisimulation semantics
[CWI-CS-R9002] 03 p0408 N91-12277
VANGLABBEEK, ROB J.
The linear time branching time spectrum
[CWI-CS-R9029] 10 p1586 N91-18741
Reactive, generative, and stratified models of probabilistic processes
[CWI-CS-R9020] 10 p1587 N91-18746
VANGORKOM, J. H.
VLA neutral hydrogen imaging of compact groups
08 p1248 N91-16872
Radio line and continuum observations of quasar-galaxy pairs and the origin of low reshift quasar absorption line systems 08 p1258 N91-16925
VANGORKOM, JACQUELINE H.
Intergalactic HI in the NGC5018 group
05 p0736 N91-14110
NGC 4438: Ram pressure sweeping of a tidally disrupted galaxy 05 p0750 N91-14176
NGC 3312: A victim of ram pressure sweeping
05 p0750 N91-14177
Radio continuum observations of the quasar-galaxy pair 3C 232-NGC 3067 05 p0760 N91-14226
VANGRAAS, FRANK
Integrated inertial/GPS 11 p1638 N91-19032
VANGUNDY, DONALD A.
Fluid quantity gaging
[NASA-CR-185516] 16 p2631 N91-24566
VANHAAFTEN, D. H.
A case for Mars: A case for nuclear thermal rockets
[DE91-006143] 10 p1491 N91-18211
VANHAERINGEN, H.
Relative extrema, zeros, and inequalities for Gegenbauer functions of the first and second kind
[REPT-90-54] 08 p1209 N91-16653
Relative extrema, zeros, and inequalities for Jacobi functions of the first and second kind
[REPT-90-55] 08 p1209 N91-16654
VANHECKE, B.
A new approach to the reliability of electronic material systems 24 p3993 N91-32310
VANHEZEWIJK, J. G.
Measurement results of the FEL-TNO planar rectangular near field facility (1978-1989)
[FEL-89-B336] 05 p0649 N91-13602
Fast determination of the element excitation of an active phased array antenna
[AD-A236545] 19 p3152 N91-27422
VANHOANG, KIEM
Evaluation of desired to undesired signal protection ratios of 14 dB versus 20 dB with frequency offset
[DOT/FAA/CT-TN91/15] 22 p3662 N91-30384
VANHOEK, JOHANNES ADRIANUS MARIA
Alkali metal corrosion of alumina: Thermodynamics, phase diagrams and testing
[ETN-91-98933] 11 p1685 N91-19286
VANHOENACKER, D.
Propagation limitations for transionospheric systems from 10 to 300 GHz 24 p3982 N91-32243
VANHOLTEN, C. R.
Vestibulo-ocular responses in man to +G sub z hypergravity
[IZF-1989-59] 05 p0695 N91-13873
VANHOLTEN, J. W.
The BRST complex as the square root of the Casimir operator
[NIKHEF-H/90-5] 04 p0574 N91-13188
The BRST complex and the cohomology of compact Lie algebras
[NIKHEF-H/90-6] 04 p0574 N91-13189
BRST formulation of the Gupta-Bleuler quantization method
[NIKHEF-H/90-7] 04 p0574 N91-13190
BRST cohomology and BRST gauge fixing
[NIKHEF-H/91-04] 14 p2337 N91-22923
VANHOLTEN, THEO
An integrated dynamic model of a flexible wind turbine
[MEMT-6] 03 p0386 N91-12152
VANHORN, THURSTON
Determination of SPEAR-1 rocket body potential during high-voltage experiments
[AD-A226971] 06 p0800 N91-14417
VANHORSSEN, W. T.
Asymptotics for a class of a semi-linear hyperbolic equations with an application to a problem with quadratic nonlinearity
[REPT-90-44] 07 p1059 N91-15822
On asymptotics for a class of semi-linear hyperbolic equations with small forcing terms
[REPT-90-69] 10 p1584 N91-18730
VANHOUTEN, MARINUS ALBERTUS
Electromagnetic compatibility in high-voltage engineering
[ISBN-90-9002929-X] 11 p1695 N91-19337
VANHOVE, M. A.
Real-space multiple scattering theory calculations of LEED (Low-Energy Electron Diffraction) intensities for stepped surfaces
[DE91-000810] 05 p0713 N91-13978
VANIMAN, D.
Discovery and characterization of lunar materials: An incomplete process 17 p2916 N91-26097
VANIMAN, DAVID
Dust: A major environmental hazard on the Earth's moon
[DE91-001803] 07 p1083 N91-15959
A geochemical assessment of possible lunar ore formation 17 p2901 N91-26027
On prediction and discovery of lunar ores
17 p2902 N91-26028
VANISACKER, P.
Shell model calculations at superdeformed shapes
[DE91-012954] 20 p3401 N91-28853
VANKAMPEN, EELCO
Alignment of cD-galaxies with their surroundings
08 p1252 N91-16895
VANKARSEN, KEN
Methodology investigation of software maturity model validation
[AD-A226697] 06 p0859 N91-14746
VANKASTEREN, JOHANNES MARIA NICOLAAS
Oxidative coupling of methane over lithium promoted magnesia
[ETN-91-99216] 14 p2244 N91-22413
VANKEULEN, BERT
H sub infinity-control with state feedback: The infinite dimensional case
[W-9015] 10 p1579 N91-18691
A note on Hankel operators for infinite-dimensional systems
[W-9002] 10 p1585 N91-18737
VANKLEIJ, REINIER
Implementation of a solid modelling system with quadratic surfaces
[REPT-90-41] 07 p1059 N91-15819
VANKNOWE, GLENN ERNEST
A comparison of diagnostic and kinematic vertical motion fields associated with curved and straight jet streak adjustment processes
[AD-A227724] 08 p1186 N91-16522
VANKONYNENBURG, R.
Thulium heat source IR/D project 91-031
[DE91-007117] 10 p1541 N91-18485
VANKOOTWIJK, E. J.
Spatial image pattern analysis and basic soil properties of natural vegetation
[BCRS-90-01] 03 p0385 N91-12148
VANKREVELD, MARC
Finding shortest paths in the presence of orthogonal obstacles using a combined L sub 1 and link metric
[RUU-CS-90-20] 06 p0864 N91-14777
VANKREVELD, MARC J.
Union-copy structures and dynamic segment trees
[RUU-CS-91-05] 23 p3921 N91-31903
VANLEER, B.
Hypersonic aerodynamics and control
[AD-A225058] 03 p0301 N91-11678
VANLEER, BRAM
Flux-vector splitting for the 1990s
13 p2013 N91-21073
Numerical flux formulas for the Euler and Navier-Stokes equations. 2: Progress in flux-vector splitting
[NASA-TM-104353] 14 p2188 N91-22084
VANLEEUWEN, H. J. C.
Analysis of IRIS and VARAN-S image data, automated geometrical processing, and data extraction
[BCRS-89-37] 03 p0358 N91-12005
VANLEEUWEN, JAN
Prefix routing schemes in dynamic networks
[RUU-CS-90-10] 04 p0568 N91-13154
The file distribution problem for processor networks
[RUU-CS-90-16] 04 p0569 N91-13155
Perfect colorings
[RUU-CS-90-35] 23 p3910 N91-31831
VANLEHN, KURT
Goal reconstruction: How teton blends situated action and planned action
[AD-A225578] 04 p0569 N91-13159
Explanation-based learning of correctness: Towards a model of the self-explanation effect
[AD-A225644] 07 p1054 N91-15791
Two pseudo-students: Applications of machine learning to formative evaluation
[AD-A225645] 07 p1054 N91-15792
VANLEHN, KURT A.
The content of physics self-explanations
[AD-A229737] 12 p1974 N91-20860
VANLEIJENHORST, D. C.
On a ternary bracketing problem from the theory of formal languages
[TR-90-24] 23 p3909 N91-31825
A formal power series equation from formula complexity theory
[TR-90-25] 23 p3920 N91-31895
VANLIERE, R.
An approach to hierarchical input devices
[CWI-CS-R8946] 03 p0407 N91-12274
Components, frameworks and GKS input
[CWI-CS-R8947] 03 p0407 N91-12275
VANLIESHOUT, PETER HENRICUS
A variational approach to magneto-elastic buckling problems
[ETN-91-98929] 11 p1695 N91-19338
VANLOON, A. J.
KEMA scientific and technical reports, volume 8, number 2, 1990
[ST-REPT-VOL-8-NO-2] 23 p3940 N91-32023
VANLOON, JACK J. W. A.
Hypergravity and bone mineralization
11 p1754 N91-19650
VANLOON, S. L.
An outgassing model of non-metallic materials for the ascent of a Titan 4 launch vehicle
11 p1657 N91-19132
VANMATER, P. R.
Fatigue performance under multiaxial loading
[PB91-153288] 19 p3179 N91-27577
VANMETER, A. R.
Estimating lightning-generated NOx emissions for regional air pollution models
[PB91-131664] 11 p1736 N91-19546
VANMETER, D. B.
Emission control in diesel engines by alcohol fumigation
[PB91-140335] 17 p2763 N91-25299
VANMIEGROET, HELGA
Acidic deposition and the environment
[DE91-002352] 05 p0685 N91-13812
VANMOERKERKEN, R. A.
Verification of GONO wave predictions for the period October 1987 to April 1988
[KNMI-TR-118] 01 p0094 N91-10545
VANMOORHEM, W. K.
On the propagation of plane waves above an impedance surface 08 p1214 N91-16684
VANMOORSEL, AAD P. A.
Simulation of failure prone token rings using fault injection simulation
[MEMO-INF-90-44] 10 p1586 N91-18744
Fault infection simulation: A variance reduction technique for systems with rare events
[MEMO-INF-91-05] 22 p3735 N91-30798
VANNARONI, G.
Data analysis of hollow cathode experiment to support electrodynamic tether applications
[IFSI-89-16] 02 p0187 N91-11047
VANNEERVEN, J. M. A. M.
On the topology induced by the adjoint of a semigroup of operators
[CWI-AM-R9010] 03 p0412 N91-12305
Adjoints of semigroups acting on vector-valued function spaces
[CWI-AM-R9018] 17 p2843 N91-25709
VANNEL, JEAN-PAUL
Evaluation and fabrication of GaAs integrated logic circuits
[LAAS-90160] 05 p0653 N91-13628
VANNOOYEN, R. R. P.
An exponential fitting method in two dimensions
[CWI-NM-R9005] 03 p0412 N91-12304
VANNORMAN, JOHN D.
Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB] 13 p2048 N91-21270

VANNORREN, D.
A two class model for photochemical damage of the retina
17 p2825 N91-25608
VANNUCCI, RAYMOND D.
Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-1] 05 p0643 N91-13566
Addition polyimides with enhanced processability
[NASA-CASE-LEW-15043-1] 24 p3979 N91-32230
VANOLDENBORGH, G. J.
A package to evaluate one-loop Feynman diagrams
[NIKHEF-H/90-15] 14 p2308 N91-22754
QCD radiative corrections to charged current heavy quark production
[NIKHEF-H/90-19] 14 p2324 N91-22837
VANOORSCHOT, JAN
Measuring and simulating an 802.3 CSMA/CD LAN
[MEMO-COSOR-90-26] 09 p1387 N91-17628
VANORDEN, KARL F.
Development of an animal model of human non-freezing cold injury: Changes in thermal sensitivity following cold exposure
[AD-A227174] 06 p0852 N91-14705
Young and older observers show similar perceived contrast functions for isoluminant stimuli
[AD-A233766] 18 p3027 N91-26709
VANOVERBEKE, THOMAS
On the anomaly of velocity-pressure decoupling in collocated mesh solutions
[NASA-TM-103769] 13 p2078 N91-21448
VANOVERBEKE, THOMAS J.
A numerical study of the hot gas environment around a STOVL aircraft in ground proximity
02 p0152 N91-10887
VANPATTEN, R.
Gradiometry coexperiments to the gravity probe B and step missions
[NASA-CR-187704] 05 p0681 N91-13788
VANPATTEN, ROBERT E.
Current status of an artificial intelligence-based loss of consciousness monitoring system for advanced fighter aircraft
08 p1193 N91-16556
VANPUL, MARK C.
Asymptotic properties of statistical models in software reliability
[CWI-BS-R9011] 03 p0403 N91-12241
VANPUTTEN, F. J. M.
Generation of high power 1.54 micrometer radiation by stimulated Raman scattering in methane
[FEL-90-B098] 08 p1156 N91-16366
VANRANDWIJK, M. J.
The development of steering controllability test procedures for light- and medium-weighted trucks. Phase 3: Closed- and open-loop experiments with nine medium-weighted truck configurations
[IZF-1990-A-44-PHASE-3] 22 p3689 N91-30541
VANRENESSE, ROBBERT
Amoeba: A distributed operating system for the 1990's
[CWI-CS-R9004] 07 p1050 N91-15766
VANRENTERGHEM, JACQUES
Waste destruction by plasma
[REPT-911-430-123] 17 p2865 N91-25842
VANRHEINECK-LEYSSIUS, H. J.
Description of the RIVM/KNMI puff dispersion model
[KNMI-177] 18 p3013 N91-26638
VANROSENDALE, J.
A dynamically adaptive multigrid algorithm for the incompressible Navier-Stokes equations: Validation and model problems
[NASA-CR-187595] 23 p3919 N91-31888
VANROSENDALE, JOHN
Programming distributed memory architectures using Kali
[NASA-CR-187453] 03 p0399 N91-12217
Mapping implicit spectral methods to distributed memory architectures
[NASA-CR-187592] 20 p3393 N91-28806
VANROSSUM, GUIDO
Amoeba: A distributed operating system for the 1990's
[CWI-CS-R9004] 07 p1050 N91-15766
VANSANT, J. H.
Thulium heat source IR/D project 91-031
[DE91-007117] 10 p1541 N91-18485
VANSCHAIK, F. J.
Bayesian multi-sensor tracking for advanced air traffic control systems
02 p0177 N91-11003
Bayesian multi-sensor tracking for advanced air-traffic control systems
[NLR-MP-88056-U] 23 p3787 N91-31119
VANSCHAIK, P.
Algorithms for finding an optimal matching between a given string and a string generated by a regular grammar
[MEMO-836] 05 p0701 N91-13905
Algorithms for finding an optimal matching between a given string and a string generated by a regular grammar
[MEMO-921] 23 p3912 N91-31845
VANSCHALKWIJK, WALTER
Improvement in the capacity and safety of lithium/inorganic electrolyte sulfur dioxide rechargeable cells, phase 2
[AD-A235303] 18 p3004 N91-26589
VANSCHALKWYK, CHRISTIAAN MAURITZ
Control system failure monitoring using generalized parity relations
[NASA-CR-187945] 12 p1843 N91-20129
VANSCHILFGAARDE, M.
Mechanical properties of semiconductors and their alloys
[AD-A231820] 14 p2331 N91-22878
VANSCHILFGAARDE, MARK
Ab initio molecular dynamics simulations of surfaces and interfaces
[AD-A235315] 18 p3060 N91-26901
VANSCIVER, STEVEN W.
ASTROMAG coil cooling study
[NASA-CR-187768] 08 p1236 N91-16813
Characterizing He 2 flow through porous materials using counterflow data
[NASA-CR-188453] 16 p2627 N91-24545
VANSCOY, ROGER
Kernal facilities definition, Kernel version 3.0
[AD-A228027] 08 p1202 N91-16610
VANSINDEREN, M.
Specification styles in distributed systems design and verification
[MEMO-INF-90-06] 03 p0405 N91-12256
VANSINDEREN, MARTEN
Generic service and protocol structures
[MEMO-INF-90-61] 10 p1571 N91-18642
On the design and formal specification of a transaction processing protocol
[MEMO-INF-90-66] 14 p2302 N91-22717
FDT-based protocol design
[MEMO-INF-91-16] 22 p3735 N91-30803
VANSLIEDRECHT, J. M.
Specifying, buying and accepting a flight simulator
03 p0315 N91-11762
VANSPEYBROECK, KURT M.
Report for geography and Colorado Commission on Higher Education internship convective wave project
04 p0548 N91-13040
VANSTAVEREN, HANS
Amoeba: A distributed operating system for the 1990's
[CWI-CS-R9004] 07 p1050 N91-15766
VANSTEENBERG, MICHAEL E.
Galactic survey of interstellar abundances and selective extinction with IUE and IRAS 09 p1443 N91-17958
VANSTEENKISTE, GEERT
Microgravity experiment design
14 p2213 N91-22224
VANSTEENWYK, BRETT
Reliable numerical computation in an optimal output-feedback design
[NASA-CR-188191] 14 p2318 N91-22804
VANSTONE, R. H.
Elevated temperature crack growth
16 p2582 N91-24314
VANSTREUN, A.
The relation between knowledge and heuristic methods
[W-9001] 02 p0261 N91-11457
VANSTRIEN, SEBASTIAN
Invariant measures exist under a summability condition for unimodal maps
[REPT-90-36] 01 p0114 N91-10670
VANSUETENDAEL, N.
Software quality metrics
[DOT/FAA/CT-91/1] 23 p3908 N91-31814
VANSUETENDAEL, RICHARD
NAS Operational Test and Evaluation (OT/E)/integration of the interim monitor and control software (iMCS) test procedures
[DOT/FAA/CT-TN90/43] 17 p2829 N91-25628
VANSWOL, R. W.
Extraction of marketable information from ERS-1 data
[BCRS-90-03] 08 p1167 N91-16425
VANTEUNENBROEK, O.
MRVS: A system for measuring, recording and processing flight data
[NLR-MP-88034-U] 22 p3619 N91-30135
VANTHIEL, M.
Multiphase carbon and its properties in complex mixtures
[DE91-001679] 05 p0632 N91-13499
VANTREES, STEPHEN P.
Use of ISO protocols in the ADS environment
24 p3958 N91-32115
VANTUYL, A. H.
Compaction of global data fields
[AD-A225856] 04 p0605 N91-13369
VANVALZAH, J.
Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800
VANVECHTEN, JAMES A.
Atomic approaches to defect thermochemistry
[AD-A238260] 21 p3476 N91-29280
VANVEEN, BARRY
Soft constrained minimum variance beamforming
[AD-A226260] 04 p0516 N91-12868
VANVEEN, BARRY D.
Adaptive detection in subspaces
[AD-A231023] 13 p2154 N91-21876
VANVELDHUIZEN, E. M.
Measurements of inception time lags of repetitively pulsed corona in air 23 p3941 N91-32028
VANVELTHOVEN, PETRUS FRANSCISCUS JOHANNES
Medium scale irregularities in the ionospheric electron content
[ETN-91-99183] 14 p2286 N91-22642
VANVLEDDER, GERBRANT PHILIPPUS
Directional response of wind waves to turning winds
[REPT-90-2] 01 p0095 N91-10549
VANVLIET, P. J.
Results of measurements performed on HF backscatter for evaluating the influence on short range HF data links
22 p3659 N91-30366
VANWEST, BARRY PAUL
A simulation of the draping and a model of the consolidation of commingled fabrics
15 p2392 N91-23239
VANWIE, C.
Geometric modeling application interface program
[AD-A227826] 07 p1049 N91-15759
Geometric modeling applications interface program: System translator user's manual
[AD-A228151] 07 p1052 N91-15777
Geometric modeling applications interface program
[AD-A227651] 08 p1199 N91-16591
Geometric modeling application interface program. System components operator's manual
[AD-A227827] 08 p1200 N91-16594
Geometric modeling applications interface program, volume 3
[AD-A228061] 09 p1380 N91-17586
VANWILLIGENBURG, L. G.
The digital regulator and tracker for deterministic continuous-time linear time-varying systems
[REPT-90-05] 01 p0114 N91-10668
The digital regulator and tracker for stochastic continuous-time linear time-varying systems
[REPT-90-06] 01 p0117 N91-10689
VANWILLIGENBURG, LOUIS GERARD
Digital optimal control of rigid manipulators
[ISBN-90-6275-661-1] 17 p2783 N91-25402
VANWIMERSMAGREIDANUS, B.
Design and testing of a circumferential and longitudinal joint of the A320 fuselage section 13/14 in GLARE
[LR-645] 11 p1724 N91-19494
VANWOERDEN, HUGO
CO distribution in southern S0 galaxies
05 p0763 N91-14239
VANWOERKOM, K.
Instrumentation requirements and presample filter design for measurements during non steady maneuvers with the Hawker Hunter MK 7, PH-NLH
03 p0315 N91-11761
VANWOERKOM, L. D.
Ion yields from strong optical field ionization experiments using 100 femtosecond laser pulses
[DE91-011200] 17 p2781 N91-25389
VANWOERKOM, P. T. L. M.
Equivalent flexibility modelling: A novel approach towards recursive simulation of flexible spacecraft-manipulator dynamics
[NLR-TP-89293-U] 22 p3689 N91-30542
VANWYK, L.
Characterizing closure asperities by ultrasonic measurements
[DE90-016709] 04 p0535 N91-12967
VANYSEK, P.
Gel solidified microinterface between two immiscible electrolytes applied to amperometric detection of picrate and tetramethylammonium
[AD-A235260] 18 p2950 N91-26280
VANYSEK, PETR
Investigation of the interface between two immiscible electrolytes applied to membrane electrochemistry
[AD-A236916] 19 p3160 N91-27470
Electrified microscopic and conventional interfaces between two immiscible electrolyte solutions
[AD-A237695] 21 p3506 N91-29459

VANZEIJL, GERARD A. C.
The treatises of Jean Nicolas Louis Durand
[ISBN-90-6814-517-7] 14 p2255 N91-22470
VANZEIJL, PAULUS THOMAS MARIA
Fundamental aspects and design of FM upconversion receiver front-end with on-chip SAW filters
[ETN-90-98136] 03 p0361 N91-12024
VANZUTPHEN, TOM
An avalanche electron emitting diode in gallium arsenide
[ETN-90-97746] 01 p0038 N91-10225
VANZYL, J.
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
VANZYL, JAKOB J.
Method for providing a polarization filter for processing synthetic aperture radar image data
[NASA-CASE-NPO-17904-1-CU] 05 p0648 N91-13594
VARACALLE, D. J., JR.
An analytical methodology to predict the coating characteristics of plasma-sprayed ceramic powders
[DE91-010088] 18 p2958 N91-26326
An evaluation of nickel-aluminum coatings fabricated with the plasma-spray process
[DE91-013208] 21 p3484 N91-29328
VARDENY, Z. V.
Photomodulation spectroscopy of photocarrier dynamics, electronic defects and morphology of conducting polymers
[DE91-007977] 12 p1877 N91-20316
VARDI, MOSHE Y.
Conference on Theoretical Aspects of Reasoning About Knowledge
[AD-A232657] 15 p2492 N91-23798
VARELL, K. E.
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845
VARELLA, D.
RL10A-3-3B high mixture ratio qualification program
[NASA-CR-183200] 05 p0629 N91-13486
VARFOLOMEYEV, V. A.
Pathogenesis and prevention of pain syndrome in pilots on long flights 19 p3210 N91-27742
VARGAS-ABURTO, CARLOS
Versatile, low-cost, computer-controlled, sample positioning system for vacuum applications
[NASA-CR-187144] 24 p3981 N91-32237
VARGAS, CARLOS
High resolution electrolyte for thinning InP by anodic dissolution and its applications to EC-V profiling, defect revealing and surface passivation 22 p3632 N91-30210
VARIAS, A.
Effect of the aspect ratio on the stability limits of TJ-II-like stellarators
[DE91-011364] 17 p2868 N91-25867
VARINEAU, P. T.
The application of time-resolved luminescence spectroscopy to a remote uranyl sensor
[DE91-016310] 24 p3972 N91-32189
VARSHNEY, PRAMOD K.
Northeast Artificial Intelligence Consortium (NAIC). Volume 18: A distributed artificial intelligence approach to information fusion and object classification
[AD-A234892] 18 p3048 N91-26827
VARTBARONOV, R. A.
Blood electrolyte balance in dogs repeatedly exposed to +G(subz) acceleration 22 p3714 N91-30674
VARUTE, P. T.
Precision mechanics of actuators in aircraft and rockets
[NAL-SP-9016] 10 p1473 N91-18117
Proposed modifications. Improvements to the draft specifications of DGCA, New Delhi, on requirements for airworthiness certification of experimental aircraft
[NAL-PD-FE-9101] 22 p3618 N91-30127
VARVILL, R.
Design considerations of a high expansion ratio hydrogen turbine 15 p2378 N91-23163
VARY, ALEX
Review of acousto-ultrasonic NDE for composites 10 p1487 N91-18192
Acousto-ultrasonic nondestructive evaluation of materials using laser beam generation and detection 10 p1487 N91-18193
NDE standards for high temperature materials
[NASA-TM-103761] 11 p1719 N91-19464
NDE of ceramics and ceramic composites
[NASA-TM-104520] 21 p3530 N91-29610
VASEY, A. R.
Performance of hypervelocity armatures with replenished metal vapor plasmas
[DE91-011931] 18 p2934 N91-26187
VASHI, BHARAT I.
Current collection in a flowing magnetoplasma 09 p1402 N91-17716
VASHI, KIRAN M.
Reflectional transformation for structural stiffness
[DE91-005680] 09 p1353 N91-17431
VASHISHTA, PRIYA
Bragg intensities and diffuse scattering in Ag2Se: Molecular dynamics study
[DE90-017811] 02 p0282 N91-11583
Electron trapping in amorphous silicon: A quantum molecular dynamics study
[DE91-006008] 10 p1503 N91-18272
VASHKOVYAK, M. A.
Evolution of some types of Earth satellite orbits 18 p2930 N91-26163
VASILCHENKO, K.
Developmental tests for shuttle Orbiter 08 p1100 N91-16038
VASILEV, A. A.
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507] 11 p1810 N91-19945
VASILOFF, STEVEN V.
The terminal Doppler weather radar tornadic vortex signature detection algorithm
[DOT-FAA-NR-91-5] 15 p2468 N91-23675
VASILYEV, P. P.
Coherent effects in generation of ultrashort light pulses by semiconductor injection laser 11 p1790 N91-19820
VASINA, S. YA.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal 11 p1790 N91-19819
VASOFSKY, R. W.
Glow discharge cleaning and vacuum deposition of copper on 6061-T6 aluminum
[DE91-009510] 16 p2601 N91-24415
VASSAUX, DIDIER
The biological and medical programme of the manned Aragatz mission on the Mir Space Station 11 p1749 N91-19617
VASSEUR, H. A.
Navigation of a car-like mobile robot using a decomposition of the environment in convex cells
[DE91-000709] 11 p1781 N91-19769
VASSILAROS, M. G.
Fracture behavior of ultra-low-carbon steel plate and heat-affected-zone
[AD-A235638] 19 p3134 N91-27317
VASSILICOS, A.
Thin steel section casting on a near-horizontal twin-belt caster
[DE91-001883] 06 p0816 N91-14505
VASSILIOU, MARIUS S.
Numerical methods for scattering from electrically large objects
[AD-A238262] 21 p3500 N91-29426
VASTENHOUW, J.
Execution and evaluation of computer assisted education in the field of goniometry
[REPT-89-79] 03 p0407 N91-12270
VATSA, V. N.
Multigrid for hypersonic viscous two- and three-dimensional flows
[NASA-CR-187603] 22 p3612 N91-30093
VATSA, VEER N.
Recent advances in Runge-Kutta schemes for solving 3-D Navier-Stokes equations 02 p0145 N91-10851
Extension of multigrid methodology to supersonic/hypersonic 3-D viscous flows
[NASA-CR-187612] 22 p3611 N91-30088
VAUCHER, CHRISTOPHER A.
Optical turbulence and rawinsonde measurements for 17-28 September 1989 at Anderson Mesa/United States Naval Observatory, Flagstaff, Arizona
[AD-A230310] 12 p1925 N91-20594
Atmospheric optical turbulence measurements taken at Anderson Mesa, Flagstaff, Arizona between 13-19 November 1989
[AD-A232222] 15 p2464 N91-23656
Atmospheric optical turbulence measurements taken at Anderson Mesa, Flagstaff, Arizona between 10-19 July 1990
[AD-A234190] 18 p3011 N91-26629
VAUCHER, GAIL T.
Optical turbulence and rawinsonde measurements for 17-28 September 1989 at Anderson Mesa/United States Naval Observatory, Flagstaff, Arizona
[AD-A230310] 12 p1925 N91-20594
Atmospheric optical turbulence measurements taken at Anderson Mesa, Flagstaff, Arizona between 13-19 November 1989
[AD-A232222] 15 p2464 N91-23656
Atmospheric optical turbulence measurements taken at Anderson Mesa, Flagstaff, Arizona between 10-19 July 1990
[AD-A234190] 18 p3011 N91-26629
VAUCLAIR, G.
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A 09 p1442 N91-17949
VAUGHAN, C. M.
Numerical solutions of rotating disc flows using a non-linear multigrid algorithm
[PNR-90679] 01 p0044 N91-10259
VAUGHAN, C. T.
Structural analysis on massively parallel computers
[DE91-009038] 13 p2139 N91-21773
VAUGHAN, JOHN D.
Study of improved methods for predicting chemical equilibria
[DE91-000263] 05 p0633 N91-13509
VAUGHAN, OTHA H., JR.
Lightning to the upper atmosphere: A vertical light pulse from the top of a thunderstorm as seen by a payload bay TV camera of the space shuttle 24 p4067 N91-32720
VAUGHAN, WILLIAM W.
The Combined Release and Radiation Effects Satellite (CRRES) program: A unique series of scientific experiments
[NASA-TM-103380] 14 p2284 N91-22629
VAUGHAN, WILLIARD S.
Cognitive and neural sciences division 1990 programs
[AD-A233773] 18 p3031 N91-26733
VAUGHN, J. A.
Atomic oxygen beam source for erosion simulation 12 p1951 N91-20733
Characterization of a 5-eV neutral atomic oxygen beam facility 12 p1952 N91-20736
VAUGHN, M. A.
The new FIRE cloud lidar at Langley Research Center 01 p0081 N91-10482
VAUGHN, MICHAEL T.
Topics in gauge theories and the unification of elementary particle interactions
[DE91-006687] 09 p1397 N91-17690
VAVVEEN, BARRY
Reduced degree of freedom minimum variance spectrum estimation
[AD-A226466] 04 p0577 N91-13211
VAWTER, G. A.
Characterization of semiconductor surface-emitting laser wafers
[DE91-001336] 06 p0832 N91-14598
Selective suppression of carrier-driven photochemical etching: Raman spectroscopy as a diagnostic tool
[DE91-007495] 10 p1610 N91-18885
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510
Phased-array antenna control by a monolithic photonic integrated circuit
[DE91-010479] 14 p2258 N91-22490
Direct optical phase shifter for phased-array systems
[DE91-010480] 14 p2327 N91-22857
Processing issues and technologies for optoelectronics-integrated circuits and devices
[DE91-017451] 24 p4007 N91-32406
VAZIN, P.
Macular bioaccelerometers on Earth and in space 17 p2819 N91-25580
VAZQUEZ, ALAN A.
Touch screen use on flight simulator instructor/operator stations
[AD-A239524] 23 p3799 N91-31192
VDVOOREN, J.
Validation of digital simulation methods in CAE
[NLR-TP-89026-U] 22 p3733 N91-30785
VEAL, B. W.
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979
Photoemission measurement of Fermi surface, band dispersion, and quasiparticle lifetime in YBa2Cu3O6.9
[DE91-015194] 21 p3593 N91-29989
VEBER, G.
Numerical study of partitioned turbulence
[ONERA-RSF-20/3419-AY-124A] 24 p4013 N91-32437
VECCHIOCATTIVI, F.
The 11th International Symposium on Gas Kinetics
[AD-A229885] 12 p1895 N91-20421
VECSERNYES, ZSOLT
Horizontal turbulent mixing dynamics on large-scale and fine-scale in Lake Geneva 12 p1898 N91-20439

VEDANI, M.
Microstructure and properties of aluminium alloy 7050 electron beam weldments 03 p0329 N91-11833
VEDDER, JOHN D.
A new method for determining which stars are near a star sensor field-of-view
[NASA-TM-102180] 12 p1856 N91-20201
VEDOVELLO, RICARDO
Verification of parameters and morphological-environmental properties, by satellite imagery, for studies of coastal region planning
[INPE-5177-PRE/1646] 13 p2108 N91-21606
VEDRENNE, G.
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
VEEDER, G. J.
A census of the asteroid belt
17 p2896 N91-26009
IRAS asteroid families 17 p2897 N91-26011
VEEN, C.
Cryogenic bond stress-slip relationship
[PB91-180943] 19 p3182 N91-27593
VEENSTRA, JACK E.
Interprocessor invocation on a NUMA multiprocessor
[AD-A228930] 09 p1387 N91-17631
VEENSTRA, LESTER B.
International two-way satellite time transfers using INTELSAT space segment and small Earth stations
17 p2856 N91-25791
VEERASAMY, SAM
Berthing simulator for space station and orbiter
12 p1937 N91-20657
VEERASINGAM, R.
Parallel processing for a 1-D time-dependent solution to impurity rate equations for fusion plasma simulations
[DE90-015857] 11 p1779 N91-19759
VEERKAMP, PAUL J.
IDDL: A language for intelligent interactive integrated CAD systems
[CWI-CS-R9056] 17 p2834 N91-25663
Multiple worlds in an intelligent CAD system
[CWI-CS-R9057] 17 p2835 N91-25664
Representation and implementation of design knowledge for intelligent CAD: Implementation aspects
[CWI-CS-R9071] 17 p2835 N91-25670
Modeling design processes
[CWI-CS-R9059] 17 p2840 N91-25697
Representation and implementation of design knowledge for intelligent CAD: Theoretical aspects
[CWI-CS-R9070] 17 p2841 N91-25699
VEERS, P. S.
Damping measurements using operational data
[DE91-002781] 06 p0841 N91-14646
Fatigue reliability of wind turbine components
[DE91-001262] 06 p0842 N91-14650
A 34-meter VAWT (Vertical Axis Wind Turbine) point design
[DE91-004565] 09 p1356 N91-17449
VEESER, LYNN R.
Faraday effect current sensing using a Sagnac interferometer with a 3 x 3 coupler
[DE90-016436] 07 p1004 N91-15515
VEGH, EMANUEL
Exact result for the grazing angle of specular reflection from a sphere
[AD-A239578] 23 p3928 N91-31952
VEILLET, CHRISTIAN J. L.
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804
VEILLETTE, ROBERT JOSEPH
Reliable control of decentralized systems: An ARE-based H-infinity approach
[AD-A224749] 03 p0410 N91-12290
VEILLEUX, SYLVAIN
A study of the structure and kinematics of the narrow-line region in Seyfert galaxies 03 p0436 N91-12441
VEIT, P. W.
Evolution of an aging program Minuteman Stage 2 solid rocket motor 16 p2576 N91-24275
VEITCH, JAMES G.
Scrawl strips, and letter or B-letter strips: Depicting marginals of scatter plots
[AD-A238556] 21 p3569 N91-29845
VEITCH, L.
A numerical and experimental analysis of reactor performance and deposition rates for CVD on monofilaments
[NASA-TM-103631] 06 p0815 N91-14500
VEITCH, LISA
Computational materials science. An example: Numerical modeling of chemical vapor deposition processing of advanced fibers 12 p1840 N91-20111
VELDHUIJZEN, J. P.
Hypergravity and bone mineralization
11 p1754 N91-19650
VELDHUYZENVANZANTEN, PAUL
DyQNtool: A performability modelling tool based on the dynamic queuing network concept
[MEMO-INF-90-26] 10 p1588 N91-18755
VELDMAN, H. J.
Long cycles, degree sums, and neighborhood unions
[MEMO-851] 01 p0115 N91-10676
On dominating and spanning circuits in graphs
[MEMO-859] 02 p0263 N91-11470
Cycles containing many vertices of large degree
[MEMO-916] 23 p3921 N91-31908
VELEV, OMOURTAG A.
High energy efficiency and high power density proton exchange membrane fuel cells: Electrode kinetics and mass transport 24 p4037 N91-32558
VELIGDAN, J.
Spatial dynamics of picosecond CO2 laser pulses produced by optical switching in Ge
[DE91-010368] 15 p2433 N91-23476
VELIKOV, L. V.
Characteristics of excimer laser with narrow emission line 11 p1787 N91-19807
VELSKO, S. P.
Diamond turning of optical crystals
[DE90-015909] 01 p0121 N91-10719
VELSKO, STEPHAN P.
Strategy and tactics in the search for new harmonic generating crystals
[DE91-000281] 04 p0591 N91-13299
VELTKAMP, REMCO C.
The gamma-neighborhood graph
[CWI-CS-R9034] 17 p2844 N91-25719
VELTMAN, B.
Mutiprocessor scheduling with communication delays
[CWI-BS-R9018] 10 p1578 N91-18684
VEMULAPATI, V. S.
Solving least squares problems on distributed memory machines
[AD-A229501] 22 p3743 N91-30856
VEMURI, GAUTAM
Signals and noise in lasers and atom-field interactions
15 p2432 N91-23475
VENABLE, D. D.
Plasma puff initiation of high Coulomb transfer switches
[NASA-CR-187024] 01 p0124 N91-10735
VENABLE, DEMETRIUS D.
A 10-watt CW photodissociation laser with IODO perfluoro-tert-butane 19 p3271 N91-28093
VENABLES, J. A.
In-situ diffraction and imaging studies of heteroepitaxial growth of semi-conductors
[AD-A231568] 13 p2163 N91-21932
VENABLES, J. D.
Study of factors determining the radiation sensitivity of quartz crystal oscillators (AO189)
16 p2723 N91-25082
VENBRUX, JACK
A very high speed lossless compression/decompression chip set
[NASA-CR-188655] 19 p3216 N91-27775
VENDERSLUYS, W. G.
Pulsed photothermal spectroscopy applied to lanthanide and actinide speciation
[DE91-007391] 12 p1867 N91-20258
VENEMA, J. C.
Extraction of marketable information from ERS-1 data
[BCRS-90-03] 08 p1167 N91-16425
VENEZIANI, PAULO
Study of data integration techniques for geological mapping in the Iguaraci (PE) region
[INPE-5074-PRE/1593] 03 p0383 N91-12137
The importance of fracturing in the structure of the Pimenta-Bueno Basin (RO)
[INPE-5073-PRE/1592] 04 p0547 N91-13031
VENEZIANO, S.
The UA1 uranium/warm liquid calorimeter: Calibration, study of the energy response and of compensation
[NOTA-INTERNA-950] 12 p1901 N91-20459
VENIS, A. C. J.
The behaviour of flux-difference and flux-vector splitting methods in explicit schemes for hypersonic blunt body flow
[LR-643] 11 p1644 N91-19069
VENKATA, RAMANA
Symbolic expressions of composite grid structures
[AD-A233794] 18 p3049 N91-26836
VENKATAKRISHNAN, V.
Implicit solvers for unstructured meshes
[NASA-CR-187564] 16 p2549 N91-24125
VENKATAPATHY, ETHIRAJ
SAGE: A 2-D self-adaptive grid evolution code and its application in computational fluid dynamics
02 p0146 N91-10853
Progress in computing nozzle/plume flow fields
02 p0149 N91-10872
Computational results for flows over 2-D ramp and 3-D obstacle with an upwind Navier-Stokes solver
[NASA-CR-187701] 07 p1001 N91-15497
VENKATARAMAN, SUBRAMANIAN T.
Bilevel shared control for teleoperators
[NASA-CASE-NPO-17800-1-CU]
05 p0670 N91-13724
VENKATASUBRAMANIAN, R.
Graded-bandgap AlGaAs solar cells for AlGaAs/Ge cascade cells 11 p1667 N91-19186
Radiation resistance of Ge, Ge0.93Si0.07, GaAs and Al0.08Ga0.92 as solar cells 22 p3637 N91-30240
VENKATESAN, T.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
VENKATESH, C. S.
Calibration set up for load cells
[PD-ST-8917] 05 p0661 N91-13673
VENKATESH, CHIKKABELARANGALA N.
Adaptive data acquisition multiplexing system and method
[NASA-CASE-MSC-21170-1] 06 p0791 N91-14371
VENKATESWARARAO, K. T.
Modeling of micromechanisms of fatigue and fracture in hybrid materials
[AD-A225042] 03 p0381 N91-12126
VENKATESWARLU, P.
Phase conjugation by degenerate four wave mixing in disodium fluorescein solution in methanol
19 p3270 N91-28087
Surface roughness of flat and curved optical surfaces
19 p3277 N91-28126
VENKAYYA, V. B.
Sensitivity analysis and optimization issues in NASTRAN 12 p1913 N91-20519
Analytical certification of aircraft structures
16 p2645 N91-24641
VENNERI, F.
The Los Alamos megamp fiber z-pinch experiment
[DE91-004842] 08 p1229 N91-16777
VENNOS, DEBORAH A.
Synthesis, structure, and properties of anti-perovskite nitrides Ca3MN, M=P, As, Sb, Bi, Ge, Sn, and Pb
[AD-A236589] 19 p3126 N91-27273
Synthesis, structure, and properties of a new intermetallic compound, Ca7Ni4Sn13
[AD-A236702] 19 p3135 N91-27321
VENTO, D. M.
The COLD-SAT experiment for cryogenic fluid management technology 16 p2573 N91-24263
VENTURA, I.
Theory of the weak interaction vertices
[DE91-616920] 12 p1889 N91-20389
VENTURIN, J.-L.
CNES activities on ASIC 24 p3991 N91-32298
VENTURINI, E. L.
Irradiation-induced pinning in single-crystal and thin-film Tl2Ca2Ba2Cu3O10 superconductors
[DE91-001342] 06 p0882 N91-14877
Phase formation in the Tl-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
Annealing and structure studies on Tl-2223 and Tl-1223 crystals
[DE91-014903] 20 p3434 N91-29052
Superconducting superoxygenated La(2-x)Sr(x)CuO(4+delta): Search for phase separation
[DE91-015334] 21 p3594 N91-29995
Irradiation effects in high temperature superconductors
[DE91-016118] 24 p4109 N91-32962
VEPA, N. MURTY
Application of modelling and signal processing in air defence 07 p1046 N91-15740
VERA, ALONSO H.
Towards real-time GOMS
[AD-A232028] 15 p2486 N91-23763
VERAAR, R. G.
Theoretical and experimental performance of a solid fuel ramjet combustion cycle for hypersonic flight conditions
15 p2379 N91-23170
VERAVERBEKE, N.
Bootstrapping U-quantiles
[CWI-BS-R9021] 17 p2848 N91-25742
VERBELYI, DARREN
Environmental test program for superconducting materials and devices
[NASA-CR-188654] 19 p3250 N91-27981
VERBONCOEUR, J. P.
Simultaneous potential and circuit solution for bounded plasma particle simulation codes
[DE91-008959] 12 p1985 N91-20921
VERDE, L.
Parameter space design of robust flight control systems 07 p1042 N91-15718

VERDEGAY, J. L.
A review of some aspects on designing fuzzy controllers 17 p2733 N91-25132
VERDERAIME, V.
Plate and butt-weld stresses beyond elastic limit, material and structural modeling
[NASA-TP-3075] 08 p1165 N91-16413
VERDIER, CLAUDE
Topics in the fluid mechanics of viscoelastic liquids 14 p2262 N91-22514
VERDU, SERGIO
Near/far resistant receivers for DS/SSMA communications
[AD-A228147] 08 p1128 N91-16200
VEREGGE, JOHN, R.
MARVEL: A knowledge-based productivity enhancement tool for real-time multi-mission and multi-subsystem spacecraft operations 14 p2217 N91-22256
VERES, MICHAEL L.
Orbital maneuvering vehicle remote piloting operations 12 p1847 N91-20149
VERGES, KEITH R.
Acquisition and analysis of accelerometer data 03 p0431 N91-12418
VERGHESE, S.
Fabrication of sensitive high Tc bolometers 06 p0794 N91-14389
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
VERGJESE, S.
Fabrication of an infrared bolometer with a high Tc superconducting thermometer
[DE91-005210] 09 p1339 N91-17355
VERHAGEN, STEVEN P.
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169
VERHEEST, F.
Detection of nonlinear features in plasma and field measurements by PROGNOZ-8 06 p0918 N91-15063
VERHEIJEN, A. JOS M.
Representations of rotations and tectonic plate motions
[ETN-91-99419] 17 p2811 N91-25538
VERHEY, TIMOTHY R.
A 5-kW xenon ion thruster lifetest
[NASA-TM-103191] 11 p1666 N91-19180
Microanalysis of extended-test xenon hollow cathodes
[NASA-TM-104532] 22 p3631 N91-30202
VERHOEFF, P.
Investigation of a thermal infrared detector array
[BCRS-90-20] 14 p2268 N91-22547
VERHOEVEN, CHRISTIAAN JOHANNES MARI
First order oscillators
[ETN-90-97758] 01 p0038 N91-10226
VERHOFF, AUGUST
Second-order far field computational boundary conditions for inviscid duct flow problems
[AD-A233143] 16 p2625 N91-24535
VERJOVSKY, A.
The Witten-Jones invariant for flows on a 3-dimensional manifold
[DE91-617576] 16 p2626 N91-24540
VERKADE, J. G.
Atrane and quadroped frameworks in early transition metal and silicon GRO stereochemistry: Monomers and oligomers
[AD-A232837] 15 p2408 N91-23331
VERKLEIJ, ARIE J.
Epidermal growth factor induced signal transduction in A431 cells is influenced by altered gravity conditions 11 p1750 N91-19623
VERKOOIJEN, H.
Principle, advantages and disadvantages of a dc Current Transformer (DCCT)
[DIGEL-1990-5] 13 p2075 N91-21431
VERMA, GHASI R.
Parabolic equation starting field for a prolate spheroid source
[AD-A226281] 04 p0573 N91-13183
VERMA, R. P.
Far-infrared observations of Circinus and NGC 4945 galaxies 05 p0740 N91-14131
Dust in a few southern H II regions 06 p0895 N91-14943
Distribution of dust in W31 complex 06 p0895 N91-14944
VERMA, S. B.
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
VERMA, S. K.
Mobile Microwave Landing System (MMLS) user interface
[AD-A237470] 21 p3455 N91-29162
VERMA, SHASHI B.
Analysis of field measurements of carbon dioxide and water vapor fluxes
[NASA-CR-188781] 22 p3703 N91-30610
VERMA, V. P.
The effect of polarization over 2nd harmonic in laser light scattering by free electrons
[DE91-617768] 16 p2684 N91-24862
VERMAAS, W. F.J.
Specific mutagenesis of a chlorophyll-binding protein
[DE91-014813] 21 p3547 N91-29711
VERMASEREN, J.
Searching for the Higgs in ep collisions at LEP/LHC
[DE91-015701] 23 p3925 N91-31930
VERMASEREN, J. A. M.
The alpha cubed sub S corrections to the Bjorken sum rule for polarized electroproduction and to the Gross-Llewellyn Smith sum rule
[NIKHEF-H/90-23] 14 p2324 N91-22839
VERMEEREN, C. A. J. R.
New developments in fibre metal laminates (ARALL) 03 p0332 N91-11860
VERMEIREN, J.
Optimization of CMOS technology and design for deep cryogenic analog circuits 24 p3991 N91-32296
VERNER, D. A.
Spectral synthesis code LINESPEC: Ionisation equilibrium of plasma and absorption spectra formation 06 p0923 N91-15106
VERNON, RONALD J.
High-power microwave transmission systems for electron cyclotron resonance plasma heating, volume 5
[DE90-017600] 02 p0206 N91-11152
VERNON, S.
Tunnel junctions for InP-on-Si solar cells 22 p3631 N91-30204
VERNON, S. P.
A normal incidence x ray mirror for 70 angstrom
[DE91-012109] 22 p3752 N91-30915
VERNON, SUSAN N.
Eddy current method for measuring electrical resistivity and device for providing accurate phase detection
[AD-D014571] 06 p0820 N91-14530
VERNYI, MARK
A preliminary characterization of applied-field MPD thruster plumes
[NASA-CR-187165] 22 p3630 N91-30201
VERONIN, CHRISTOPHER P.
Optical image segmentation using wavelet filtering techniques
[AD-A230584] 12 p1982 N91-20904
VERPOEST, I.
Thermal bonding of thermoplastic composites: Influence of matrix and interlayer on the weld fracture toughness 03 p0333 N91-11864
VERRILLI, MICHAEL J.
Current activities in standardization of high-temperature, low-cycle-fatigue testing techniques in the United States
[NASA-TM-103675] 09 p1352 N91-17427
Application of thermal life prediction model to high-temperature aerospace alloys B1900+Hf and Haynes 188
[NASA-TM-4226] 11 p1721 N91-19473
Thermomechanical and bithermal fatigue behavior of cast B1900 + Hf and wrought Haynes 188
[NASA-TM-4225] 12 p1869 N91-20268
Tensile and fatigue behavior of tungsten/copper composites 16 p2582 N91-24311
High temperature tension-compression fatigue behavior of a tungsten copper composite
[NASA-TM-104370] 16 p2591 N91-24360
VERRON, J.
Satellite data utilization in ocean circulation models 15 p2453 N91-23593
VERSTAPPEN, ROELAND WILHEMUS CAROLUS
Elastohydrodynamic lubrication: A dynamic variation method
[ISBN-90-9003079-4] 01 p0049 N91-10290
VERSTRAETE, LAURENT
PAHs molecules and heating of the interstellar gas 06 p0894 N91-14939
VERTER, FRAN
Infrared analysis of LMC superbubbles 05 p0751 N91-14181
VERVER, G. H. L.
Objective analysis of precipitation observations during the Chernobyl episode
[KNMI-TR-122] 04 p0549 N91-13048
Description of the RIVM/KNMI puff dispersion model
[KNMI-177] 18 p3013 N91-26638
VERVILLE, G.
Techniques to assess the state of health of sealed lead acid batteries
[CTN-91-60214] 23 p3859 N91-31515
VERVILLE, GASTON
A modern approach to battery testing: Infrared thermography and voltage noise measurements
[CTN-91-60215] 22 p3669 N91-30429
VERVOORT, W. A.
A triple jump flow chart
[MEMO-INF-91-28] 22 p3729 N91-30754
Study day on the design of a network database in four languages
[MEMO-INF-91-22] 23 p3915 N91-31863
VERWEIJ, A.
Execution and evaluation of computer assisted education in the field of goniometry
[REPT-89-79] 03 p0407 N91-12270
VERWER, J. G.
A static-regridding method for two-dimensional parabolic partial differential equations
[CWI-NM-R8923] 02 p0260 N91-11449
Analysis of the implicit Euler local uniform grid refinement method
[CWI-NM-R9011] 10 p1584 N91-18725
Runge-Kutta methods and local uniform grid refinement
[CWI-NM-R9022] 17 p2846 N91-25731
VERWER, NICO
Categorical semantics as a basis for program transformation
[RUU-CS-90-38] 23 p3911 N91-31833
VERWEY, W. B.
Adaptable driver-car interfacing and mental workload: A review of the literature
[IZF-1990-B-3] 05 p0696 N91-13874
The development of highly practiced skills: A starting point for driver modelling
[IZF-1990-B-16] 15 p2478 N91-23719
VERWIEL, P. E. J.
How to create an instrumental database for verification: A view
[PML-1990-80] 22 p3767 N91-31004
VERY, J. M.
Bone adaptation to real and simulated microgravity 11 p1753 N91-19643
VERZEMNIEKS, JURIS
Survey of results from the Boeing modules on the M0003 experiment on LDEF 16 p2718 N91-25048
VESELY, EDWARD J., JR.
Corrosion of materials in Molten Carbonate Fuel Cells (MCFC)
[DE90-000484] 09 p1311 N91-17194
VESELY, W. E.
Degradation modeling with application to aging and maintenance effectiveness evaluations
[DE91-004004] 05 p0674 N91-13746
VESS, ROBERT J.
Design and fabrication of the NASA HL-20 full scale research model
[NASA-CR-187801] 08 p1095 N91-16008
VESSER, L.
A microwave interferometer to measure particle and shock velocities simultaneously
[DE91-013077] 20 p3349 N91-28545
VESSOT, ROBERT F. C.
Complete the development and construction of a spaceborne hydrogen maser clock
[NASA-CR-184043] 05 p0663 N91-13688
State of the art and future directions for the atomic hydrogen maser 17 p2851 N91-25759
Effect of thermal cycling on stress in metallic films on ceramic substrates 17 p2854 N91-25779
Performance of Soviet and US hydrogen masers 17 p2857 N91-25799
VESTAL, WILLIAM J.
Seismic reflection profiles, Somali Basin data report: USNS Wilkes
[AD-A226050] 04 p0547 N91-13035
VESTOLA, JUHANI
Examples of fatigue measurement of paper machine components 07 p1017 N91-15588
VETERAN, J. L.
Development of Si/SiGe heterostructures
[AD-A232747] 15 p2518 N91-23961
VETROVA, YE. G.
Influence of long-term antiorthostatic hypokinesia on activity of enzymes involved in energy and plastic metabolism 22 p3715 N91-30675
VETTER, A. A.
Particle densitometer based on the acoustical resonance measurement
[DE91-009979] 16 p2630 N91-24582
VETTERS, H.
Possibilities of stress measurement on ceramic materials using acoustic microscopy 05 p0640 N91-13547

VETTIER, C.
Soft x ray magnetic scattering study of thin films and multilayers
[DE91-017472] 24 p4102 N91-32920
VETTOLANI, G.
Dumb-bell galaxies in southern clusters: Catalog and preliminary statistical results 08 p1252 N91-16896
VEYSSIERE, P.
C-rich micrometeorites on the early Earth and icy planetary bodies 10 p1622 N91-18947
VEZINA, JAMES M.
ICE System: Interruptible control expert system
[NASA-CR-186966] 22 p3723 N91-30721
VIALA, Y. P.
Grains charges in interstellar clouds
06 p0899 N91-14967
VIALLEFOND, F.
The molecular spiral arms of NGC 6946
05 p0761 N91-14231
VIANADELIMA, EDUARDO RODRIGUES
Soil erosion risk map: An approach using the Geographic Information System and orbital imagery
[INPE-5229-TDL/434] 22 p3696 N91-30581
VIANCO, P. T.
Microstructural characterization of solders and brazes for advanced packaging technology
[DE91-011503] 20 p3320 N91-28379
Lead-free solders for electronics applications: Wetting analysis
[DE91-014900] 21 p3483 N91-29320
VIANEISOARES, JOAO
Characterization of an agricultural region starting with AC band thermal infrared radar and radiometer at an airport
[INPE-4608-PRE/1331] 03 p0384 N91-12142
VIANNARODRIGUES, RICARDO LEONARDO
Identification of areas subject to flooding through TM/LANDSAT images in the basin of the rivers Pindare, Mearim, Jaguaribe, Apodi, Piranhas, and San Francisco
[INPE-5034-RPE/619] 02 p0229 N91-11279
VIARGUES, J.
Towards a single certification action within Europe
03 p0307 N91-11711
VIBERTI, CARLO
Payload related crew operations: From past missions to Columbus 15 p2449 N91-23569
Comparisons between underwater and space working environments for on board activities optimization (Columbus space programme) 15 p2450 N91-23574
Test on parabolic flights for stowage in weightlessness 15 p2451 N91-23578
VICCARO, P. J.
Modeling the performance of water and liquid gallium cooled x ray optical components: A comparison with experiment
[DE90-010460] 08 p1231 N91-16784
Coherent hard x ray focusing optics and applications
[DE91-017968] 24 p4103 N91-32928
VICENTE, KIM J.
Adaptive human-computer interfaces using expert profiles
[AD-A226906] 06 p0855 N91-14721
VICKERS, DAVID
Distributed systems status and control
[NASA-CR-187014] 06 p0857 N91-14733
VICKERY, A.
The role of intelligent online interfaces to bridge the communication gap 17 p2876 N91-25909
VICO, LAURENCE
Bone adaptation to real and simulated microgravity
11 p1753 N91-19643
Aragatz Mission: Bone densitometric results obtained with the SCOOP miniscanner 11 p1761 N91-19690
VICROY, DAN D.
Guidance concepts for time-based flight operations
02 p0174 N91-10993
A simple, analytical, axisymmetric microburst model for downdraft estimation
[NASA-TM-104053] 13 p2024 N91-21132
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10060-PT-2] 16 p2551 N91-24140
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10060-PT-1] 16 p2555 N91-24166
Estimate of heavy rain performance effect
16 p2557 N91-24182
VICTORIANO, EDWIN A.
Optical storage system for shipboard supply documents
[AD-A225369] 03 p0428 N91-12397
VICTORINODEFRANCA, GERALDO
Evaluation of TM/LANDSAT-5 bands in the discrimination of wheat and beam crops
[INPE-5204-PRE/1666] 13 p2107 N91-21602
VIDAL-MADJAR, ALFRED
The inner part of the protoplanetary disk around Beta Pictoris 10 p1620 N91-18935
VIDAL-MADJAR, RENE BERNARD ET DANIEL
Characterization of an agricultural region starting with AC band thermal infrared radar and radiometer at an airport
[INPE-4608-PRE/1331] 03 p0384 N91-12142
VIDDAL, V.
Application of SAW technology in satellites for mobile services 13 p2030 N91-21163
VIEIRA, R.
MIT ASTROMAG 1.7 meter disk magnet design report
[NASA-CR-187931] 14 p2322 N91-22824
VIEIRADIAS, LUIZ ALBERTO
Beta splines interpolation for DEM's
[INPE-5039-PRE/1572] 02 p0255 N91-11415
Digital elevation model visibility including Earth's curvature and atmosphere refraction
[INPE-5044-PRE/1574] 03 p0389 N91-12167
Minimum cost routes calculation by means of digital elevation models
[INPE-5040-PRE/1573] 03 p0398 N91-12212
VIEIRADUTRA, LUCIANO
Classification of textures using the ARMA models and distances over the autocorrelation function
[INPE-5067-TDL/406] 02 p0255 N91-11421
Utilization of IHS transformation for integration of images of differing resolutions: Urban land use study
[INPE-4606-PRE/1329] 05 p0731 N91-14086
Spot 1: Imagery in geologic mapping: A comparative study with several remote sensing products in the Curaca River Valley, Bahia
[INPE-5136-PRE/1624] 13 p2108 N91-21608
VIELCANET, P.
MERCATOR: A distributed ground control system for geostationary satellite positioning
14 p2210 N91-22202
NAIADE: A prototype application in Ada of the CCSDS recommendations concerning 'SFDU'
14 p2215 N91-22240
VIENNET, J.
Physical origin of the frequency shifts in cesium beam frequency standards: Related environmental sensitivity
17 p2856 N91-25794
VIENS, MICHAEL J.
Determination of fiber volume in graphite/epoxy materials using computer image analysis
[NASA-TM-100770] 04 p0498 N91-12767
VIERECK, R. A.
The AIS: A spectrograph/imager ensemble for space flight
[AD-A227009] 06 p0799 N91-14413
Photometric analysis of a space shuttle water venting
12 p1950 N91-20726
VIERGEVER, M. A.
Iterative methods for sparse, linear systems arising from tomographic image reconstruction: The relations between ART, SIRT, and CG
[REPT-90-51] 07 p1059 N91-15824
VIERGEVER, MAX A.
Iterative methods in image reconstruction: The relation between ART, block-ART and SIRT
[REPT-89-82] 03 p0407 N91-12271
VIG, JOHN R.
Low-noise oscillators for airborne radar applications
07 p0941 N91-15159
Quartz crystal resonators and oscillators for frequency control and timing applications: A tutorial, revision 4
[AD-A231604] 13 p2078 N91-21445
Frequency standards for communications
[AD-A231990] 14 p2257 N91-22484
The effects of acceleration on precision frequency sources (proposed for IEEE standards project p1193)
[AD-A235470] 19 p3167 N91-27512
VIGIL, M. G.
Explosively driven missile trajectory parameters for various fragment materials and velocities
[DE91-014330] 21 p3533 N91-29631
VIGIL, MANUEL G.
Graphical analysis of barrel-tamped explosively accelerated flyer plates
[DE90-010299] 08 p1098 N91-16028
VIINIKAINEN, S.
Use of pinch-technology in the design and calculation of heat exchanger networks
[DE91-771948] 17 p2805 N91-25506
VIJAYAKUMAR, P.
Production status of GaAs/Ge solar cells and panels
22 p3632 N91-30212
VIJAYAN, KALYANI
Investigations on the problem of moisture absorption by Kevlar fibres: Effect of relative humidity of the atmosphere and the degree of crystallinity of the fibres
[NAL-PD-MT-9015] 10 p1504 N91-18280
VIJAYARAGHAVAN, D.
Extension of transonic flow computational concepts in the analysis of cavitated bearings
[NASA-TM-103214] 08 p1145 N91-16304
VIJAYASANKAR, M. K.
Transport simulation of the effect of impurity radiation on the high beta, ohmic start-up of the HBT-EP tokamak
[DE90-010333] 08 p1227 N91-16760
VIJAYSHANKAR, M. N.
Fundamental studies on high temperature deformation, recrystallization, and grain growth of two-phase materials
[AD-A229017] 09 p1314 N91-17210
VIJGEN, PAUL M. H. W.
Incompressible boundary layer transition flight experiments over a nonaxisymmetric fuselage forebody and comparisons with laminar boundary layer stability theory 17 p2775 N91-25359
VIJLBRIEF, C.
ERICC: Construction and application of the Command and Control Research Facility
[IZF-1989-55] 08 p1130 N91-16213
VIKAN, TODD T.
An empirical evaluation of three knowledge acquisition techniques for developing a project management related expert system
[AD-A230472] 12 p1994 N91-20980
VIKHAREV, V. V.
On the generation of magnetic fields in active star atmospheres 06 p0922 N91-15099
VIL-VILYAMS, I. F.
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
VILA, M. A.
A review of some aspects on designing fuzzy controllers 17 p2733 N91-25132
VILAFREYER, R. F.
The Witten-Jones invariant for flows on a 3-dimensional manifold
[DE91-617576] 16 p2626 N91-24540
VILAS, FAITH
Near-infrared reflectance spectra-applications to problems in asteroid-meteorite relationships
17 p2895 N91-26002
VILHU, O.
IUE observations of the RS CVn-type binary alpha2CrB 09 p1439 N91-17931
VILJANEN, ARI
Homogeneity of geomagnetic variations at the Sodankyla Observatory
[FACL-76] 12 p1922 N91-20574
VILLA, FRANCESCO
Computational and experimental progress on laser-activated gas avalanche switches for broadband, high-power electromagnetic pulse generation
[DE91-001763] 05 p0652 N91-13623
VILLA, K. M.
Material flammability test assessment for Space Station Freedom
[NASA-CR-187115] 17 p2740 N91-25165
VILLALON, ELENA
Ionospheric heating for radiation belt control
10 p1552 N91-18538
VILLARREAL, DIANA
An assessment of advanced displays and controls technology applicable to future space transportation systems 09 p1281 N91-17040
VILLARREAL, JAMES
Proceedings of the Second Joint Technology Workshop on Neural Networks and Fuzzy Logic, volume 1
[NASA-CP-10061-VOL-1] 13 p2140 N91-21778
VILLARREAL, JAMES A.
Proceedings of the Second Joint Technology Workshop on Neural Networks and Fuzzy Logic, volume 2
[NASA-CP-10061-VOL-2] 12 p1965 N91-20811
A space-time neural network
12 p1965 N91-20814
VILLASENOR, TONY
National research and education network
18 p3078 N91-27017
VILLASOL, R.
FTIR (Fourier Transform Infrared) spectrophotometry for thin film monitors: Computer and equipment integration for enhanced capabilities
[DE91-001228] 06 p0879 N91-14853
VILLATTE, P. P.
Influence of adhesive polymerization conditions on the durability of adhesive joints
[DCR/I-03357-90] 23 p3819 N91-31305

VILLENEUVE, D. M.
UV Thomson scattering from x ray laser plasmas
[DE91-007347] 11 p1802 N91-19895
VILLORESI, G.
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, March 1990
[IFSI-90-15] 01 p0141 N91-10833
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, April 1990
[IFSI-90-18] 01 p0141 N91-10834
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, January 1990
[IFSI-90-5] 02 p0295 N91-11653
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, February 1990
[IFSI-90-6] 02 p0295 N91-11654
The Rome neutron monitor data for four ground-level enhancements observed by the world-wide station network in 1990
[NOTA-INTERNA-967] 11 p1823 N91-20019
VILMANN, CARL
Deformation analysis of rotary combustion engine housings
[NASA-CR-188187] 19 p3105 N91-27158
VILNROTTER, V. A.
Channel assignments and array gain bounds for the Ka-band array feed compensation system
24 p3985 N91-32263
VINCE, ROBERT JOHNSTON
An electromagnetic radome model using an interactive micro-computer finite element algorithm
[AD-A225370] 03 p0358 N91-12002
VINCENT, DAYTON G.
South Pacific convergence zone and global-scale circulations 08 p1182 N91-16503
South Pacific convergence zone and global scale circulations (Jul. 1987 - Jul. 1991). Observational and modeling studies of heat, moisture, precipitation, and global-scale circulation patterns (Jul. 1990 - Jul. 1993)
24 p4062 N91-32691
VINCENT, JAMES H.
Application of modern control design methodology to oblique wing research aircraft
[NASA-TM-105058] 22 p3619 N91-30131
VINCENT, L.
Flexure fatigue tests for composites
11 p1674 N91-19227
Graph morphology
[CWI-AM-R9019] 17 p2843 N91-25710
VINCENT, P.
Validation requirements for the Topex/Poseidon altimeter mission 15 p2454 N91-23602
VINCENT, PETER
A very high speed lossless compression/decompression chip set
[NASA-CR-188655] 19 p3216 N91-27775
VINCENT, R. A.
Handbook for MAP, volume 32. Part 1: MAP summary. Part 2: MAPSC minutes, reading, August 1989. MAP summaries from nations. Part 3: MAP data catalogue
[NASA-CR-188151] 14 p2284 N91-22631
VINCENT, T. L.
Quantitative simulation of extraterrestrial engineering devices 16 p2597 N91-24388
Quantitative computer simulations of extraterrestrial processing operations 17 p2750 N91-25215
Temperature automation for a propellant mixer
17 p2752 N91-25232
VINEBERG, KAREN A.
Updates to the DREO airborne radar simulator
[ASSGI-167] 23 p3852 N91-31478
VINGELIS, P. J.
Air traffic controller memory enhancement
[DOT/FAA/CT-TN90/38] 06 p0854 N91-14713
VINH, N. X.
Hypersonic aerodynamics and control
[AD-A225058] 03 p0301 N91-11678
Space Vehicle Flight Mechanics
[AGARD-AR-294] 11 p1656 N91-19124
VINOKUR, V. M.
Low temperature flux creep in high-T(sub c) superconductors
[DE91-015193] 21 p3593 N91-29988
Scaling behavior of the fluctuations in magnetization and conductivity of untwinned YBa2Cu3O(7-delta)
[DE91-016524] 24 p4110 N91-32967
Flux pinning by planar defects in single crystal YBa2Cu3O(7-delta)
[DE91-016525] 24 p4110 N91-32968
VINOKUR, VALERIE V.
Flux dynamics in high-Tc superconductors
[DE91-017977] 24 p4113 N91-32988
VINSON, J. R.
Impact characterization of graphite fiber reinforced thermoplastic laminates
[NIAR-91-16] 21 p3469 N91-29241
VINTER, STEPHEN T.
Architectures for a high performance distributed operating system
[AD-A235333] 18 p2976 N91-26429
VIOLETT, DUANE L., JR.
Aero/fluids database system
[NASA-CR-184208] 23 p3914 N91-31853
VIOTTI, R.
The VV Cep star KQ Puppis 09 p1438 N91-17924
VIPUSANAVANISH, CHACORN
Fabrication and characterization of amorphous hydrogenated silicon films 07 p0984 N91-15400
VIRK, G. S.
A real-time distributed optimal autopilot
[RR-398] 07 p0945 N91-15181
Selection of weights in optimal control
[RR-397] 07 p1055 N91-15796
VIRKAR, A. N.
Fabrication, phase transformation studies and characterization of SiC-AlN-Al2OC ceramics
[DE91-013296] 21 p3484 N91-29329
VIRSHUP, G. F.
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
Recent advancements in monolithic AlGaAs/GaAs solar cells for space applications 22 p3634 N91-30220
VISA, ARI
Texture classification and segmentation based on neural network methods
[ETN-91-99260] 14 p2321 N91-22819
VISCIOLA, MICHELE
On-line assistance in flight simulation
[ETN-91-99772] 22 p3624 N91-30164
VISCO, M.
Cryostat for the gravitational antenna ALTAIR
[IFSI-90-3] 05 p0651 N91-13616
VISCO, S. J.
Current status of solid-state lithium batteries employing solid redox polymerization cathodes
[DE91-016988] 24 p4007 N91-32404
VISCUSO, P.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
VISHKIN, UZI
Recursive star-tree parallel data-structure
[AD-A227803] 07 p1052 N91-15779
VISHWANATH, P. R.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
VISHWANATHAN, K. S.
Glow discharge lamp: A light source for optical emission spectroscopy
[DE91-619433] 16 p2621 N91-24517
VISIC, NIKOLA
Coplanar waveguide EEsoF MICAD macros make circuit layout easy
[NASA-TM-103272] 11 p1694 N91-19332
VISIGNY, G.
SIMMER 07 p0952 N91-15230
VISKOE, D. A.
X ray-computed tomography for inspecting industrial parts
[DE91-011390] 18 p2997 N91-26554
VISSCHER, H.
The application of trajectory prediction algorithms for planning purposes in the Netherlands ATC-system
02 p0173 N91-10986
VISSCHER, WILLIAM M.
Analysis of bond quality by resonant ultrasound
[DE91-000439] 05 p0673 N91-13743
VISSER, A.
A 10,000 A 1000 Vdc solid state dump switch
[DE91-014141] 20 p3340 N91-28497
VISSER, B. M.
Adjustment of the mixing-rate constant in the eddy break-up model for a jet flame 23 p3941 N91-32030
VISSER, BASTIAAN MARINUS
Mathematical modelling of swirling pulverized coal flames
[ETN-91-99435] 17 p2756 N91-25256
VISSER, H. J.
Planar near-field measurement of non-reciprocal antennas
[FEL-90-B092] 05 p0649 N91-13604
Measuring low-PRF pulsed signals with a standard HP 8510B vector network analyzer within milliseconds
[FEL-90-B238] 07 p0995 N91-15463
First pulsed near-field measurement results
[FEL-90-B262] 07 p0995 N91-15464
VISSER, KENNETH D.
Breaking down the delta wing vortex: The role of vorticity in the breakdown process
[NASA-CR-188235] 16 p2546 N91-24109
An experimental analysis of critical factors involved in the breakdown process of leading edge vortex flows
[NASA-CR-188231] 16 p2546 N91-24110
VISSER, R. T. B.
Simulator flight as a selection device: Effects of test anxiety on subjective and objective measures of performance
[IZF-1989-57] 05 p0626 N91-13468
VISSER, T. N. M.
Digital analysis of satellite data and numerical simulation applied to irrigation water management by means of a database system
[REPT-4] 10 p1538 N91-18465
Assessment of the green areas of Riyadh (Saudia Arabia)
[REPT-21] 17 p2801 N91-25500
VISSERS, C. A.
Specification styles in distributed systems design and verification
[MEMO-INF-90-06] 03 p0405 N91-12256
VISSERS, CHRIS A.
FDTs for open distributed systems, a retrospective and a prospective view
[MEMO-INF-90-33] 10 p1570 N91-18637
Report on LOTOSPHERE after one year
[MEMO-INF-90-48] 10 p1571 N91-18638
Overview of the LOTOSPHERE design methodology
[MEMO-INF-90-64] 10 p1571 N91-18643
Formal description techniques for distributed computing systems, the challenges for the 1990's
[MEMO-INF-90-31] 10 p1577 N91-18676
VISSERS, D. R.
Development of high performance sodium/metal chloride cells
[DE90-017668] 02 p0207 N91-11159
VISVANATHAN, N.
Polarization in the Lagoon nebula
05 p0753 N91-14193
VISWANATHAN, V. K.
Development of reflective optical systems for XUV projection lithography
[DE91-013167] 21 p3580 N91-29915
VITAGLIANO, P. L.
Design and testing of a multiblock grid-generation procedure for aircraft design and research
[NLR-TP-89146-U] 23 p3789 N91-31131
VITANYI, PAUL M. B.
How to share concurrent wait-free variables
[ITLI-CT-91-02] 22 p3746 N91-30874
Kolmogorov complexity arguments in combinatorics
[ITLI-CT-91-01] 22 p3747 N91-30888
Average case complexity under the universal distribution equals worst case complexity
[ITLI-CT-91-03] 22 p3748 N91-30889
VITEK, J. M.
Analysis of weld metal solidification and microstructures
[DE91-014574] 21 p3480 N91-29301
Non-equilibrium solidification in austenitic stainless steel welds
[DE91-014279] 23 p3814 N91-31277
Effect of convection on weld pool development
[DE91-014213] 23 p3880 N91-31649
Weld pool solidification and microstructures
[DE91-014263] 23 p3880 N91-31650
VITEK, V.
Atomistic studies of grain boundaries in alloys and compounds
[DE91-014516] 20 p3319 N91-28372
VITEK, VACLAV
Plasticity of single crystalline Al3X intermetallic compounds
[AD-A234699] 18 p2963 N91-26356
VITELLO, P.
Physics of RF breakdown for AIM applications
10 p1550 N91-18526
VITELLO, PETER
Resonant Compton scattering in models of gamma-ray burst sources. Part 2: Numerical modeling
[DE91-005268] 08 p1268 N91-16982
Resonant Compton scattering in models of gamma-ray burst sources. Part 1: Theory
[DE91-005267] 09 p1450 N91-18000
VITERBI, A. J.
IEEE International Symposium on Information Theory
[AD-A228239] 08 p1241 N91-16842

VITERBI, ANDREW J.
Research in mathematics and computer science: Calculation of the probability of undetected error for certain error detection codes, phase 2
[AD-A238234] 21 p3557 N91-29768
VITERBINI, M.
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390
VITERNA, LARRY A.
ETARA PC version 3.3 user's guide: Reliability, availability, maintainability simulation model
[NASA-TM-103751] 11 p1718 N91-19462
A finite element model of conduction, convection, and phase change near a solid/melt interface
[NASA-TM-103721] 12 p1894 N91-20417
ALPS: A Linear Program Solver
[NASA-TM-104347] 12 p1957 N91-20765
RSM 1.0 user's guide: A resupply scheduler using integer optimization
[NASA-TM-104380] 14 p2310 N91-22766
Calculated performance of the NASA Lewis icing research tunnel
[NASA-TM-105173] 21 p3462 N91-29199
VITKAVAGE, SUSAN C.
An investigation of Si-SiO2 interface charges in thermally oxidated (100), (110), (111), (511) silicon
[AD-A231244] 13 p2162 N91-21923
VITORELLO, ICARO
Spot 1: Imagery in geologic mapping: A comparative study with several remote sensing products in the Curaca River Valley, Bahia
[INPE-5136-PRE/1624] 13 p2108 N91-21608
Audiomagnetotelluric (AMT) soundings in the proximity of the Camaqua (RS) mines
[INPE-5213-RPE/641] 13 p2117 N91-21651
VITOUSEK, PETER
Global change and carrying capacity: Implications for life on Earth 09 p1357 N91-17454
VITTITOE, CHARLES N.
Magnetic-field shielding of satellites from high-energy-electron environments
[DE90-010296] 08 p1101 N91-16043
VITTONE, A. A.
Multifrequency behaviour of the T Tauri star RU Lupi 09 p1433 N91-17892
VITTORIA, C.
Effects of depolarization on the microwave properties of composites
[AD-A236349] 19 p3120 N91-27236
VITYAZEV, ANDREY V.
Late stages of accumulation and early evolution of the planets 14 p2346 N91-22971
VIVAS, V. E., JR.
FALCON: A distributed scheduler for MIMD architectures
[DE91-014343] 22 p3736 N91-30810
VIZIER, PHILIPPE
Communication and broadcasting satellites payload reconfiguration technologies
[REPT-911-440-102] 15 p2388 N91-23218
Conference on Space Technology: Satellite Application Development
[REPT-911-440-103] 15 p2388 N91-23219
VLACHONIKOLIS, I. G.
A general approach to growth curves and repeated measurements
[MATHS-REPT-A-136] 10 p1580 N91-18695
VLADIMIROFF, T.
Molecular mechanics calculations for nitro and amino substituted conjugated systems containing oxygen and nitrogen
[AD-A233928] 18 p2969 N91-26389
VLEESHOUWERS, J. M.
Derivation and verification of a model of the synchronous machine with rectifier with two damper windings of the direct axis
[EUT-90-E-248] 22 p3700 N91-30601
VLIEKS, A. E.
High gradient electron guns
[DE91-000056] 06 p0790 N91-14369
VO-DINH, TUAN
Construction and evaluation of a regenerable flouroimmunochemical-based fiber optic biosensor
[DE91-004886] 10 p1596 N91-18807
VOCHTEN, R.
Crystallisation experiments with salts (TEXUS 13) 23 p3836 N91-31392
VOELKER, L. S.
Development of an integrated aeroservoelastic analysis program and correlation with test data
[NASA-TP-3120] 18 p2921 N91-26113
VOELKER, ROBERT HETH
Three-dimensional full-wave analysis of signal communications in active integrated circuits using a variable-mesh TLM method 01 p0036 N91-10212
VOELLMER, GEORGE M.
Robotic tool change mechanism
[NASA-CASE-GSC-13239-1] 23 p3881 N91-31656
VOELS, S.
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep 09 p1439 N91-17934
VOGEL, C. R.
Numerical recovery of material parameters in Euler-Bernoulli beam models
[NASA-CR-187516] 10 p1586 N91-18740
VOGEL, D. A.
Inner-shell ionization of lithium-like chromium ions
[DE91-001749] 05 p0713 N91-13981
VOGEL, D. R.
Generic avionics software specification
[AD-A235752] 19 p3221 N91-27802
VOGEL, DAVID
Design and operation of the electron beam ion trap
[DE91-000074] 02 p0270 N91-11515
VOGEL, GEORGE A.
Characterization of barium titanate as an optical amplifier
[AD-A230532] 12 p1981 N91-20901
VOGEL, J. S.
The new LLNL AMS spectrometer
[DE90-010868] 08 p1108 N91-16084
Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538
The use of AMS to the biomedical sciences
[DE91-012037] 20 p3378 N91-28712
VOGEL, JAMES A.
Assessment of body weight standards in male and female Army recruits
[AD-A224586] 03 p0394 N91-12188
VOGEL, KURT
Graviorientation in photosynthetic flagellates 11 p1758 N91-19673
Simultaneous tracking of flagellates in real time by image analysis 11 p1759 N91-19677
VOGEL, M.
Rayleigh scattering in symbiotic stars 09 p1439 N91-17932
VOGEL, M. H.
Calculation of near-field scattering using the plane-wave formulation and the physical optics method
[FEL-90-B215] 15 p2413 N91-23360
Calculation of electromagnetic fields in the near-field region of a moving scattering object
[FEL-90-B216] 15 p2413 N91-23361
VOGEL, S.
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 2: Transport airplanes and other civil applications 02 p0161 N91-10932
VOGEL, T.
RL10A-3-3B high mixture ratio qualification program
[NASA-CR-183200] 05 p0629 N91-13486
VOGEL, WOLFHARD J.
Satellite sound broadcast propagation studies and measurements 03 p0352 N91-11964
A description of results from the handbook on signal fade degradation for the land mobile satellite service 03 p0352 N91-11966
VOGELESANG, L. B.
New developments in fibre metal laminates (ARALL) 03 p0332 N91-11860
VOGELIUS, MICHAEL
A uniqueness result concerning the identification of a collection of cracks from finitely many electrostatic boundary measurements
[NASA-CR-187583] 22 p3722 N91-30712
VOGELS, M. E. S.
Development of ISNaS: An information system for flow simulation in design
[NLR-TP-89025-U] 22 p3768 N91-31012
VOGELSONG, RICHARD D.
Comparisons of backscattering from cylindrical shells described by thin shell and elasticity theories
[AD-A234745] 18 p2984 N91-26475
VOGIN, RICHARD
Incorporation of the operation safety in the industry and in a product development process inducting subcontractors
[ETN-90-97822] 01 p0033 N91-10196
VOGLER, WILLIAM A.
F-106B airplane active control landing gear drop test performance
[NASA-TM-102741] 05 p0621 N91-13445
Static footprint local forces, areas, and aspect ratios for three type 7 aircraft tires
[NASA-TP-2983] 09 p1276 N91-17014
F-106B airplane active control landing gear drop test performance 20 p3285 N91-28164
VOGT, B.
Cryo-calibration facility for ISOPHOT 07 p0957 N91-15264
VOGT, GREGORY L.
Software for aerospace education: A bibliography, 2nd edition
[NASA-PED-106-ED-2] 08 p1201 N91-16601
VOGT, HARALD
On the efficient incremental evaluation of higher order attribute grammars
[RUU-CS-90-36] 23 p3910 N91-31832
VOGT, L.
The diving laboratory as a simulation environment for manned spaceflight 15 p2449 N91-23564
VOGT, R.
Chasing the x(sub f) dependence of J/psi production
[DE91-015136] 21 p3578 N91-29899
VOGTLIN, GEORGE E.
Insulator breakdown measurements in a poor vacuum and their interpretation
[DE91-005431] 10 p1517 N91-18354
VOIGT, J. A.
Characterization of chemically prepared PZT thin films
[DE90-010831] 08 p1232 N91-16789
Phase formation in the Tl-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
Superconducting superoxygenated La(2-x)Sr(x)CuO(4+delta): Search for phase separation
[DE91-015334] 21 p3594 N91-29995
VOIGT, KRISTINA
Information system for environmental chemicals
[GSF-BER-21/90] 15 p2524 N91-23990
VOIPIO, JUHA
Role of bicarbonate in the actions of Gamma-Aminobutyric Acid (GABA) on membrane conductances, currents, and pH regulation in excitable cells
[ACTA-POLYTEC-SCAND-PH-172] 14 p2297 N91-22701
VOIT, A.
Development of a relatchable cover mechanism for a cryogenic IR-sensor 16 p2640 N91-24612
VOIT, FRANK J.
Long-term microwave power drift of a cesium frequency standard and its effect on output frequency 17 p2852 N91-25770
VOIT, G. MARK
The infrared continuum spectrum of x ray illuminated molecular gas 05 p0743 N91-14144
Optical emission from cooling flows in distant x ray clusters of galaxies 05 p0748 N91-14169
VOIT, GERARD MARK
X ray irradiation of a galaxy by an embedded active nucleus 07 p1084 N91-15964
VOJDANI, D.
A veto detector for discrimination of charged particles
[USIP-90-02] 07 p1066 N91-15864
VOJTESAK, MICHAEL J.
SWANEA (Southwest Asia-Northeast Africa): A climatological study. Volume 2: The Middle East Peninsula
[AD-A232776] 15 p2470 N91-23684
VOLAKIS, JOHN L.
Users manual for AUTOMESH-2D: A program of automatic mesh generation for two-dimensional scattering analysis by the finite element method
[NASA-CR-186929] 01 p0107 N91-10623
Examples of finite element mesh generation using SDRC IDEAS
[NASA-CR-186962] 05 p0699 N91-13893
Task reports on developing techniques for scattering by 3D composite structures and to generate new solutions in diffraction theory using higher order boundary conditions
[NASA-CR-186899] 06 p0810 N91-14475
A finite element conjugate gradient FFT method for scattering 06 p0811 N91-14476
Analytical solutions with Generalized Impedance Boundary Conditions (GIBC) 06 p0811 N91-14477
High frequency scattering by a smooth coated cylinder simulated with generalized impedance boundary conditions
[NASA-CR-187829] 08 p1129 N91-16211
A combined finite element-boundary element formulation for solution of axially symmetric bodies
[NASA-CR-187886] 09 p1324 N91-17268
Task reports on developing techniques for scattering by 3D composite structures and to generate new solutions in diffraction theory using higher order boundary conditions
[NASA-CR-188057] 11 p1688 N91-19305
A finite element conjugate gradient FFT method for scattering 11 p1689 N91-19306
Analytical solutions with Generalized Impedance Boundary Conditions (GIBC) 11 p1689 N91-19307

A finite element-boundary integral method for scattering and radiation by two- and three-dimensional structures
[NASA-CR-188071] 12 p1884 N91-20359
Applications of the conjugate gradient FFT method in scattering and radiation including simulations with impedance boundary conditions
[NASA-CR-188214] 16 p2617 N91-24485
Use of edge-based finite elements for solving three dimensional scattering problems
[NASA-CR-188735] 22 p3744 N91-30860

VOLD, E. L.
Computational model for deterministic chaos in a magnetically confined plasma
[DE91-016022] 23 p3929 N91-31955

VOLIN, K. J.
Temperature dependence of the first sharp diffraction peak in vitreous silica
[DE90-011181] 09 p1317 N91-17230

VOLINO, R. J.
Bypass transition in boundary layers including curvature and favorable pressure gradient effects
[NASA-CR-187187] 22 p3677 N91-30474

VOLK, TYLER
Controlled Ecological Life Support Systems: Natural and Artificial Ecosystems
[NASA-CP-10040] 16 p2665 N91-24744
Transpiration during life cycle in controlled wheat growth 23 p3905 N91-31795

VOLKENANDT, GOETZ R.
Technology of solar power stations: Concept definition and simulation
[ILR-MITT-253(1991)] 22 p3700 N91-30600

VOLKMANN, DIETER
Gravitational effects on subcellular structures of plant cells 11 p1758 N91-19669

VOLKOV, G. S.
Characteristics of excimer laser with narrow emission line 11 p1787 N91-19807

VOLKOV, L. I.
Solid propellant ballistic missile (references)
[AD-A225308] 04 p0495 N91-12751

VOLKOV, M. YU.
Orthostatic stability of dehydrated healthy men 19 p3210 N91-27746

VOLKOV, VLADISLAV P.
Lithospheric and atmospheric interaction on the planet Venus 14 p2346 N91-22976

VOLLE, MICHEL
Infimal convolution equations solved using Moreau-Fenchel's conjugation method
[RR-829-M] 16 p2678 N91-24820

VOLONTE, S.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873

VOLPE, G.
Geometric and surface pressure restrictions in airfoil design 10 p1458 N91-18039
Transonic shock free wing design 10 p1458 N91-18040

VOLPE, MASSIMILIANO
NO2 absorption cross-section in the 440 to 460 nm region at 298 and 220 K
[NOTA-INTERNA-964] 11 p1737 N91-19550

VOLPERT, JEHUDA
Application of cyclic J-integral to fatigue crack propagation
[ITN-91-85076] 07 p1018 N91-15592

VOLZ, RICHARD A.
Programming in a proposed 9X distributed Ada
[NASA-CR-188831] 24 p4085 N91-32825

VOMHOEVEL, R.
Safety in software for manned mission control: A classification methodology 14 p2219 N91-22269

VONBAUMGARTEN, R.
Ocular roll under changing z-axis acceleration and neck position 11 p1742 N91-19580

VONBENKEN, C.
Measurement and analysis of the microwave surface resistance in a mixed phase Y-Ba-Cu-O superconductor
[AD-A230047] 12 p1986 N91-20930

VONBOKERN, MARK A.
Design of a linear Gaussian control law for an adaptive optics system
[AD-A230547] 12 p1981 N91-20902

VONBUN, FRIEDRICH O.
Nano-G research laboratory for a spacecraft
[NASA-CASE-GSC-13197-1] 19 p3113 N91-27201

VONDERHAAR, THOMAS H.
Third generation earth radiation budget measurements; ERBE in the context of earlier systems 01 p0091 N91-10530

VONDERLIPPE, JUERGEN
Industrial and scientific application of space travel 04 p0491 N91-12731

VONDRA, ROBERT J.
SDIO electric propulsion requirements 16 p2575 N91-24269

VONDRAK, R. R.
ONR-307 experiment on the Combined Release and Radiation Effects Satellite (CRRES)
[AD-A236241] 19 p3112 N91-27193

VONG, F. C.
The APS radio frequency test stand control system
[DE91-015711] 21 p3502 N91-29434

VONG, R. L.
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535

VONG, RICHARD J.
Response of forest trees to sulfur, nitrogen, and associated pollutants
[PB90-270539] 09 p1360 N91-17473

VONGRUENHAGEN, WOLFGANG
Handling qualities evaluation for highly augmented helicopters 15 p2372 N91-23128

VONHOERNER, HANNA
Experience-based report of a system leader company 04 p0492 N91-12736

VONHOLTZ, ERIC
The search for high energy low vulnerability explosives
[DE90-009436] 08 p1121 N91-16158
Paste extrudable explosives: Their history and their current status
[DE90-009438] 08 p1121 N91-16159

VONHUGO, DIRK
Influence of the delocalized excitation process on the determination of foreign atom positions using the channeling effect
[ETN-91-98175] 05 p0728 N91-14065

VONLAVANTE, E.
A multiblock multigrid three-dimensional Euler equation solver
[NASA-TM-103424] 13 p2142 N91-21795

VONNEGUT, BERNARD
Microphysical studies of noctilucent clouds
[AD-A229020] 09 p1364 N91-17499
Lightning to the upper atmosphere: A vertical light pulse from the top of a thunderstorm as seen by a payload bay TV camera of the space shuttle 24 p4067 N91-32720

VONPETERSDORFF, TOBIAS
Boundary value problems of the elasticity theory for polyhedra: Singularities and approximation with boundary element methods
[ETN-91-98168] 06 p0865 N91-14780

VONPRAGENAU, GEORGE L.
Turbomachinery rotor support with damping
[NASA-CASE-MFS-28345-1] 06 p0833 N91-14608
Dynamic tester for rotor seals and bearings
[NASA-CASE-MFS-28493-1] 17 p2737 N91-25155

VONVILLIEZ, HANSJUERGEN
Air traffic control aspects for the time beyond 1992 03 p0308 N91-11723

VONWREDE, R.
Theoretical and experimental study of horn-acoustic chamber coupling 07 p0954 N91-15246

VOORHEES, MIKE
Methods for the development of a bioregenerative life support system 10 p1475 N91-18127

VOORHIES, C. V.
Preliminary calibration plan for the Advanced Particles and Field Observatory (APAFO) magnetometer experiment
[NASA-TM-104545] 22 p3630 N91-30200

VOORHIES, COERTE V.
On the joint inversion of geophysical data for models of the coupled core-mantle system
[NASA-TM-104536] 11 p1738 N91-19557

VORACEK, DAVID F.
Monitoring techniques for the X-29A aircraft's high-speed rotating power takeoff shaft
[NASA-TM-101731] 11 p1647 N91-19081
Buffet induced structural/flight-control system interaction of the X-29A aircraft
[NASA-TM-101735] 15 p2373 N91-23133

VORGUCIC, A.
Mathematical models for determining the protected spaces of the vertical lightning rod 24 p4052 N91-32634
A new approach to the determination of the striking distance from the lightning channel photos 24 p4063 N91-32698

VOROBYEV, O. A.
Relationship between vertical optokinetic nystagmus and susceptibility to motion sickness 10 p1561 N91-18587

VOROJTSOV, S.
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679

VOROTNIKOVA, I. E.
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619

VOROZDIN, V. K.
Homogeneous distribution of volcanic flows in the Northern Hemisphere of Venus 12 p1848 N91-20159

VOROZHTSOVA, S. V.
Effects of taurine on cytogenetic corneal disturbances induced in mice by 9 GeV protons 01 p0097 N91-10562

VORTMEYER, D.
Experimental investigations on the transition from stable to unstable combustion by means of active instability control 15 p2378 N91-23165

VOS, J.
Total annoyance caused by simultaneous impulse, road traffic, and aircraft sounds
[IZF-1990-B-1] 07 p1063 N91-15845

VOS, J. J.
An extension of the Kremers/Van Norren model for retinal light damage and consequences thereof for occupational safety
[AD-A224879] 03 p0394 N91-12191

VOSIKA, DONALD C.
The boundary element method applied to the two dimensional Stefan moving boundary problem
[AD-A238458] 21 p3567 N91-29828

VOSKES, A.
MRVS: A system for measuring, recording and processing flight data
[NLR-MP-88034-U] 22 p3619 N91-30135

VOSKRESENSKIY, A. D.
Relationship between orthostatic stability and post-space flight vestibular function in man 10 p1561 N91-18586

VOSS, H.-H.
Examination and mapping of forest damages, using remote sensing methods, part A
[ETN-90-97888] 03 p0385 N91-12145
Examination and mapping of forest damage, using remote sensing methods
[ETN-91-99741] 23 p3888 N91-31696

VOSS, RALPH
Unsteady wind tunnel wall interferences in subsonic and transonic profile flows 02 p0160 N91-10928
The propagation of acoustic disturbances in the transonic flow fields of wings
[ESA-TT-1126] 15 p2501 N91-23854

VOSTEEN, JAMES R.
LT-23: The feedback vibrating capacitor fieldmeter 24 p4067 N91-32722

VOSTEEN, WILLIAM E.
LT-23: The feedback vibrating capacitor fieldmeter 24 p4067 N91-32722

VOTER, A. F.
Model description of transition metals using the rotated second moment approximation
[DE91-016043] 23 p3816 N91-31287

VOTH, CHRISTOPHER
Robust integrated autopilot/autothrottle design using constrained parameter optimization
[NASA-CR-188011] 14 p2196 N91-22127

VOUK, MLADEN A.
Software reliability through fault-avoidance and fault-tolerance
[NASA-CR-187646] 05 p0701 N91-13904
Software reliability through fault-avoidance and fault-tolerance
[NASA-CR-187998] 11 p1776 N91-19741

VOZNYAK, R. M.
He-Ne laser emitting five lines simultaneously 11 p1788 N91-19813

VRABLE, DANIEL L.
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 1: Real-time flight experiment support
[NASA-CR-179449] 16 p2559 N91-24193

VRANISH, JOHN M.
Rolling friction robot fingers
[NASA-CASE-GSC-13261-1] 09 p1347 N91-17401
Advanced mechanisms for robotics 14 p2361 N91-23062
Magnetostrictive roller drive motor
[NASA-CASE-GSC-13369-1] 15 p2416 N91-23380
Roller locking brake
[NASA-CASE-GSC-13376-1] 20 p3354 N91-28579
Spline-locking payload fastener
[NASA-CASE-GSC-13378-1] 20 p3354 N91-28581
Driven shielding capacitive proximity sensor
[NASA-CASE-GSC-13377-1] 20 p3390 N91-28785

VRANOS, A.
Experimental study of cross-stream mixing in a cylindrical duct
[NASA-TM-105180] 21 p3459 N91-29187
VRBA, P.
Simulation of electron and ion bipolar flow in high current diode with magnetic insulation
[IPPCZ-301] 17 p2866 N91-25852
VRCKOVNIK, G.
A Doppler bin blanking CFAR processor for airborne radars
[AD-A237890] 21 p3499 N91-29418
VRCKOVNIK, GARY E.
An investigation of CFAR techniques for airborne radars
[AD-A232724] 15 p2415 N91-23378
VREEBURG, J. P. B.
Effects of low bond number liquid motions on spacecraft attitude
[NLR-TP-89352-U] 22 p3630 N91-30199
VRIJBURCHT, ARIE
Forces on ships in a navigation lock induced by stratified flows
[PUBL-448] 22 p3679 N91-30483
VROLYK, J. J.
Regenerative fuel cell architectures for lunar surface power 24 p4037 N91-32560
VRSALOVIC, DALIBOR
Validation environment for AIPS/ALS: Implementation and results
[NASA-CR-4340] 05 p0705 N91-13930
VSHIVKOV, V. A.
Laboratory and computer simulations of wave generation processes in non-stationary astrophysical phenomena 06 p0920 N91-15082
VSHIVTSEV, A. S.
On the temperature corrections for QED operators in the superstrong magnetic field
[DE91-619627] 13 p2146 N91-21822
VU, B. T.
Hydrodynamic evolution of picosecond laser-plasmas
[DE91-013245] 20 p3419 N91-28958
VU, HOANH
Adaptive grids and implicit differencing applied to plasma simulation
[DE91-007383] 10 p1603 N91-18846
VUIK, C.
A comparison of some GMRES-like methods
[REPT-90-22] 02 p0261 N91-11454
The rate of convergence of the GMRES method
[REPT-90-77] 10 p1585 N91-18734
VUILLET, A.
Rotor and blade aerodynamic design 10 p1460 N91-18051
VUILLOT, A. M.
Interactive tool visualization of three dimensional 3D results
[AAAF-NT-89-19] 23 p3913 N91-31847
VUKELICH, STEVEN R.
Missile Datcom: User's manual
[AD-A237817] 21 p3452 N91-29148
VUKMIR, VLADIMIR
The study approach and perceived needs for an advanced theater transport 10 p1463 N91-18068
VUKOBRATOVICH, DANIEL
Scaling laws for light weight optics, studies of light weight mirrors mounting and dynamic mirror stress, and light weight mirror and mount designs
[NASA-CR-187368] 03 p0417 N91-12335
VUOLIO, RAIMO
Blast vibration: Threshold values and vibration control
[CI-95] 04 p0536 N91-12970
VUTIEN, K.
Object oriented programming in MMI: A software tool for analysis and planification of a radar imaging mission 14 p2219 N91-22266
VYAS, A.
Greenhouse gas emissions from selected alternative transportation fuels market niches
[DE90-010491] 08 p1171 N91-16448
VYHNAL, RICHARD F.
Evaluation of long-duration exposure to the natural space environment on graphite-polyimide and graphite-epoxy mechanical properties 16 p2719 N91-25056

W

WAAHLIN, E. K.
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
WACHI, SHIGEO
An antenna-pointing mechanism for the ETS-6 K-band Single Access (KSA) antenna 16 p2640 N91-24609
WACHI, Y.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937
WACHTEL, STEPHEN R.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 1, Task 1: Digital emulation technology laboratory
[AD-A225123] 04 p0474 N91-12649
WACHTER, J. P.
The COLD-SAT experiment for cryogenic fluid management technology 16 p2573 N91-24263
WACKER, K.
Thermoanalytic and electric analyses of the TlSbSe2 semiconductor 14 p2334 N91-22900
WACKERMAN, C. C.
ERIM processing and analysis activities
[AD-A236206] 19 p3150 N91-27414
WADA, ATSUSHI
Discussions on a long gap discharge to an EHV transmission tower by a rocket triggered lightning experiment 24 p4055 N91-32654
WADA, MOTOI
Direct extraction of a Na(-) beam from a sodium plasma
[NIFS-35] 01 p0127 N91-10751
WADA, S.
High-spectral resolution observations of the 3.29 micron emission feature: Comparison to QCC and PAHs 06 p0891 N91-14925
WADA, YASUHIRO
Computation of three-dimensional chemically reacting flows around re-entry vehicles 04 p0452 N91-12522
Numerical computation of flow for scramjet 04 p0453 N91-12529
On the numerical simulations of flow around a body of complex configurations 04 p0457 N91-12557
Numerical calculation of chemically reacting compressible flow 04 p0464 N91-12596
A new class of TVD schemes and wall boundary condition 04 p0466 N91-12608
On a new difference scheme-ATVD2 04 p0466 N91-12609
Numerical calculation of flow for scramjet engine 24 p3943 N91-32035
WADDINGTON, EDWIN
Process study of sorted patterns on Arctic soils
[AD-A234089] 18 p3011 N91-26628
WADDINGTON, J. C.
A preliminary dedicated facility for Single Event Upset (SEU) testing of semiconductor components at the McMaster Accelerator Laboratory
[CTN-91-60218] 22 p3624 N91-30160
WADDINGTON, JAMES C.
A feasibility study for construction of a dedicated on-line SEU beam facility at the McMaster University tandem Van de Graaff accelerator
[CTN-91-60180] 22 p3754 N91-30925
WADDLE, D. B.
A summary of the status of biomass conversion technologies and opportunities for their use in developing countries
[DE91-006341] 11 p1726 N91-19506
Mexican-US cooperation on renewable energy programs
[DE91-011083] 17 p2805 N91-25505
WADDLE, DANIEL B.
Greenhouse gas emissions in Sub-Saharan Africa
[DE91-005629] 09 p1361 N91-17482
WADE, G.
Gabor zone plate apertures for imaging with the mercuric iodide gamma ray camera
[DE90-011193] 08 p1148 N91-16321
WADE, M. R.
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
WADE, R.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
Late stages in the evolution of classical novae 09 p1441 N91-17946
WADE, R. K.
ZrO2 reinforced-MoSi2 matrix composites
[DE91-013074] 20 p3304 N91-28288
WADEHRA, JOGINDRA
Theoretical investigations of negative ions in a hydrogen source
[AD-A229486] 22 p3752 N91-30914
WADEY, PHILIP DAVID
Goertler vortex instabilities of incompressible and compressible boundary layers 16 p2623 N91-24523
WADKINS, R. P.
Three-dimensional fluid flow in JFTOT (Jet Fuel Thermal Oxidation Tester)
[DE90-010929] 02 p0201 N91-11128
WADSWORTH, J.
High temperature interactions of metallic matrices with ceramic reinforcements
[AD-A232967] 16 p2601 N91-24411
WADSWORTH, MARK
Resin transfer molding of composite aircraft interior furnishings
[NIAR-90-19] 07 p0940 N91-15153
WAELBROECK, F.
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
WAELBROECK, HENRI
The 2+1 gravity: A new approach 20 p3435 N91-29059
WAGANAAR, W. J.
Performance of the 10-kV, 5-MA pulsed-power system for the FRX-C compression experiment
[DE91-014745] 20 p3423 N91-28983
WAGENBLAST, G. R.
Use of personal computers in performing a linear modal analysis of a large finite-element model
[DE91-010112] 15 p2445 N91-23541
WAGENER, JOACHIM
Design of the derivative balance for the transonic wind tunnel 02 p0160 N91-10925
WAGENER, K. B.
Chain propagation/step propagation polymerization. Regular thermoplastic elastomers
[AD-A232356] 15 p2406 N91-23324
WAGENER, REINHARD
Examination of the reactions of the singlet-carbene CH2(a 1A1) and CHCl(X 1A') in the gaseous phase
[MPIS-4/1990] 07 p0978 N91-15365
WAGER, JOHN F.
Atomic approaches to defect thermochemistry
[AD-A238260] 21 p3476 N91-29280
WAGGONER, E. G.
Prediction of effects of wing contour modifications on low-speed maximum lift and transonic performance for the EA-6B aircraft
[NASA-TP-3046] 02 p0155 N91-10902
Computational support of the X-29A Advanced Technology Demonstrator flight experiment 16 p2551 N91-24137
WAGH, A. S.
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE91-012471] 20 p3325 N91-28410
Materials qualification technology for ceramic cross-flow filters
[DE91-017715] 24 p3980 N91-32232
WAGNER, B.
Results of GARTEUR action group AG09 on flow past missile afterbodies 06 p0775 N91-14299
WAGNER, B. A.
Optimum hypersonic airfoil with power law shock waves
[DE90-014903] 01 p0002 N91-10008
WAGNER, C.
The case for lower probabilities as measures of uncertainty
[DE91-017870] 24 p4093 N91-32870
WAGNER, C. A.
M2 tide from geosat altimetry
[PB91-105171] 09 p1369 N91-17522
WAGNER, CARL
A Prograde Geosat Exact Repeat Mission
[PB91-136754] 16 p2563 N91-24214
WAGNER, DAVID ANTHONY
Fracture characterization for thermoinelasticity 24 p4030 N91-32517
WAGNER, F.
H-mode energy confinement scaling from the ASDEX, DIII-D, and jet tokamaks
[DE91-015145] 21 p3588 N91-29957
WAGNER, H. SCOTT
FIRE Science Results 1988
[NASA-CP-3083] 01 p0074 N91-10448
WAGNER, J.
Load-balancing and performance of a gridless particle simulation on MIMD, SIMD, and vector supercomputers
[DE91-013758] 20 p3385 N91-28756
WAGNER, J. H.
Heat transfer in rotating serpentine passages with trips normal to the flow
[NASA-TM-103758] 11 p1715 N91-19443
Effects of rotation on coolant passage heat transfer. Volume 1: Coolant passages with smooth walls
[NASA-CR-4396-VOL-1] 22 p3679 N91-30489
WAGNER, J. S.
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333

WAGNER, J. W.
Critical issues in de-alloying and transcrystalline stress-corrosion cracking
[DE91-010190] 20 p3359 N91-28608
WAGNER, JAMES W.
Full field visualization of surface and bulk acoustic waves
[AD-A227676] 08 p1213 N91-16678
Laser ultrasonics: Current research needs
[DE91-005421] 10 p1591 N91-18770
WAGNER, JOHN A.
Superplastic forming of Al-Li alloys for lightweight, low-cost structures 15 p2539 N91-24065
Temperature effects on the deformation and fracture of Al-Li-Cu-In alloys 19 p3129 N91-27288
WAGNER, JOHN S.
Numerical models of beam dynamics in ion induction linacs
[DE90-017043] 01 p0120 N91-10713
WAGNER, M. K.
Photoelectron diffraction of magnetic ultrathin films: Fe/Cu(001)
[DE91-007254] 11 p1807 N91-19924
WAGNER, PATRICIA A.
Microbiologically influenced corrosion in copper and nickel seawater piping systems
[AD-A229874] 11 p1685 N91-19287
WAGNER, PAUL K.
Combinatorial FSK modulation for power-efficient high-rate communications
[NASA-TM-105188] 21 p3497 N91-29404
WAGNER, R. M.
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
Late stages in the evolution of classical novae 09 p1441 N91-17946
WAGNER, RICHARD D.
Application of advanced technologies to future military transports 10 p1466 N91-18083
Laminar-flow flight experiments 16 p2551 N91-24135
Evaluation of cloud detection instruments and performance of laminar-flow leading-edge test articles during NASA Leading-Edge Flight-Test Program
[NASA-TP-2888] 16 p2560 N91-24199
WAGNER, ROBERT A.
Prototyping parallel and distributed programs in proteus
[AD-A236597] 20 p3384 N91-28746
WAGNER, ROLF
Elastic properties of ceramic composite materials at high temperatures
[ETN-90-97897] 02 p0191 N91-11067
WAGNER, THOMAS M.
Modeling of HF propagation and heating in the ionosphere 10 p1549 N91-18522
WAGNER, V.
Microstructure and properties of aluminium alloy 7050 electron beam weldments 03 p0329 N91-11833
WAGNER, W. G.
National software capacity: Near-term study executive summary
[AD-A227564] 08 p1199 N91-16590
WAGNER, W. GARY
National software capacity: Near-term study
[AD-A226694] 06 p0859 N91-14743
WAHBA, RENEE RAOUF
Parameterization of cosmological scale factor during inflationary times 01 p0138 N91-10815
WAHL, DANIEL E.
Implementation of the phase gradient algorithm
[DE90-012160] 08 p1197 N91-16579
WAHLBECK, P. G.
TGA experimental data analyzed by transpiration theory
[NIAR-91-21] 21 p3473 N91-29263
WAHLBECK, PHILLIP G.
High temperature Knudsen effusion-mass spectrometric studies of the Y-Ba-Cu-O system
[NIAR-91-23] 21 p3592 N91-29981
WAHLEN, MARTIN
The Cl-36 in the stratosphere 17 p2794 N91-25459
Profiles of alpha 13 C and alpha D in methane from the lower stratosphere 17 p2799 N91-25487
WAHLIN, E. K.
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556
WAHLQUIST, E. J.
Contributions and future of radioisotopes in medical, industrial, and space applications
[DE91-005245] 10 p1594 N91-18792
WAHLS, DEBORAH M.
On-orbit structural dynamic performance of a 15-meter microwave radiometer antenna
[NASA-TP-3041] 09 p1296 N91-17114
WAHR, JOHN M.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
WAIBEL, B.
The influence of the texture of Al2O3 substrates on the fracture behavior under thermal loading 05 p0639 N91-13543
WAIDE, C. H.
A cable vehicle barrier for alert aircraft protection
[DE91-001723] 06 p0787 N91-14354
WAIGHT, KENNETH T., III
The development of an improved convective initiation scheme for Mesoscale numerical weather prediction models, phase 1
[AD-A235417] 18 p3015 N91-26650
WAINSCOAT, RICHARD J.
Far infrared structure of spiral galaxies from the IRAS CPC images 06 p0902 N91-14988
WAIT, J. R.
Antenna performance influenced by the finite extent and conductivity of ground planes: A collection of reprints
[AD-A232132] 15 p2413 N91-23366
WAITE, S. W.
Temperature-jump relaxation kinetics at liquid/solid interfaces: Fluorescence thermometry of porous silica heated by a Joule discharge
[AD-A236850] 19 p3257 N91-28018
WAITES, H. B.
The NASA controls-structures interaction technology program
[NASA-TM-102752] 08 p1103 N91-16057
WAKAI, HIROSHI
A grid generation on body surface using master dimension system 04 p0455 N91-12540
WAKAIRO, KAORU
Configuration, function and performance of the flight simulation test facility and its motion simulation system
[NAL-TM-575] 01 p0013 N91-10080
Function and performance of visual simulation unit of flight simulation test facility
[NAL-TM-581] 01 p0013 N91-10082
Flight simulator evaluation test of multi-functional display unit
[NAL-TM-596] 02 p0182 N91-11026
WAKAMATSU, YOSHIO
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
WAKAMI, NOBORU
Learning control of inverted pendulum system by neural network driven fuzzy reasoning: The learning function of NN-driven fuzzy reasoning under changes of reasoning environment 13 p2141 N91-21785
WAKASHIMA, K.
Functionally Gradient Materials (FGM) architecture: A new type of ceramic-metal assemblage designed for hot structural components 03 p0328 N91-11826
WAKATANI, M.
Anomalous transport studies for heliotron/torsatron 10 p1600 N91-18823
Edge anomalous transport in heliotron/torsatron 20 p3408 N91-28892
Suppression and control of magnetic islands in toroidal plasmas 20 p3409 N91-28895
Shock and soliton structures induced by poloidal flow in tokamaks 20 p3414 N91-28929
WAKE, L. V.
A novel epoxy lacquer for high strength steel in F-111 aircraft during overhaul
[AD-A236828] 21 p3484 N91-29326
WAKELIG, S.
Digital audio broadcasting: The first UK field trial
[BBC-RD-1991/2] 17 p2766 N91-25311
WAKELIN-KING, G. A.
Chemical sedimentation and facies relationships in the Karinga Creek palaeo-drainage system, Amadeus Basin, Northern Territory 19 p3199 N91-27682
WAKIM, NAGI T.
Data system interprobability 17 p2884 N91-25941
WAKKER, K. F.
Report by the Subcommitee on Intercomparison and Merging of Geodetic Data of the Topex/Poseidon science working team
[LR-638] 05 p0682 N91-13791
Extraction of mesoscale ocean currents information from Geosat altimeter data 15 p2453 N91-23594
WAKU, HIROSHI
Finite difference numerical prediction of aerodynamics for airfoil flying over wavy wall 24 p3944 N91-32043
WALBRIDGE, D. G. C.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
WALCH, STEPHEN P.
Computed potential energy surfaces for chemical reactions
[NASA-CR-186877] 05 p0633 N91-13506
WALCHLI, LAWRENCE A.
Flying qualities of the X-29 forward swept wing aircraft 15 p2372 N91-23127
WALCOTT, BRUCE L.
Design and implementation of a ground control console prototype for OMV 10 p1634 N91-19016
WALCOTT, K.
Parabolic dish photovoltaic concentrator development
[DE91-016868] 23 p3891 N91-31714
WALD, JERRY
New accelerometers under development 03 p0431 N91-12415
WALDHERR, GREGOR ARTHUR
Measurement of correlations involving pressure in a turbulent premixed flame 03 p0336 N91-11884
WALDINGER, RICHARD J.
Engineering for artificial intelligence software
[AD-A234793] 18 p3045 N91-26814
WALDMAN, D. J.
Heavy duty liquid and gaseous fuel emissions database test results from four alternative fuel configurations of the Caterpillar 3406 engine
[DE90-014783] 01 p0048 N91-10288
WALDMAN, J.
Non-specular scattering from roughened aluminum surfaces
[AD-A231824] 14 p2269 N91-22553
WALDO, GEORGE V., JR.
Transmission of a shock wave across an evacuated barrier
[AD-A231717] 14 p2263 N91-22521
WALDRON, R. D.
Production and uses of liquefied atmosphere (CO2) on Mars 17 p2914 N91-26085
WALDROP, D. A.
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330
WALDROP, G. S.
Operationally Efficient Propulsion System Study (OEPPS) 20 p3292 N91-28198
WALDROP, RAYMOND S.
Programming in a proposed 9X distributed Ada
[NASA-CR-188831] 24 p4085 N91-32825
WALFORD, ROY
Biomedical program at Space Biospheres Ventures 05 p0691 N91-13847
WALI, K. C.
Research program in elementary particle theory (task A)
[DE91-016937] 24 p4098 N91-32895
WALIAN, PETER J.
Electron crystallography of PhoE Porin, an outer membrane, channel-forming protein from E. Coli
[DE91-001790] 07 p1034 N91-15670
WALIGORA, JAMES M.
Analysis of the individual risk of altitude decompression sickness under repeated exposures 12 p1949 N91-20722
WALKER, ARTHUR B. C., JR.
The ultra high resolution XUV spectroheliograph: An attached payload for the Space Station Freedom
[NASA-CR-184156] 14 p2235 N91-22365
X ray imaging microscope for cancer research 14 p2356 N91-23030
WALKER, ARTHUR H.
The EGRET gamma ray telescope and its energy calibration 02 p0287 N91-11613
WALKER, C. E.
CS J = 2 yields 1 emission toward the central region of M82 05 p0740 N91-14128
WALKER, C. K.
CS J = 2 yields 1 emission toward the central region of M82 05 p0740 N91-14128
WALKER, C. L.
Multispectral imagery support for ocean venture 90
[AD-A227119] 06 p0851 N91-14697
WALKER, CHARLES L.
Comparison of thematic mapper and NOARL scanner multispectral bathymetry estimates
[AD-A226273] 04 p0542 N91-13007
WALKER, CHARLES W., JR.
A calorimetric investigation of deuterated palladium electrodes
[AD-A237571] 21 p3505 N91-29456
WALKER, D. W.
Particle-in-cell plasma simulation codes on the connection machine
[DE91-007845] 11 p1803 N91-19902

Parallelizing the spectral transform method
[DE91-013969] 21 p3565 N91-29815
Parallelizing the spectral transform method, part 2
[DE91-017131] 24 p4016 N91-32456
WALKER, DERRICK
Servomotor-Linked Articulated Versatile End Effector (SLAVE2) 19 p3274 N91-28111
WALKER, DONALD A.
Landscape dynamics in the Arctic foothills: Landscape evolution and vegetation succession on disturbances
[DE91-005348] 09 p1360 N91-17474
WALKER, DOREEN M. C.
Geopotential harmonics of order 15 and 30 from analysis of 50 orbit determinations of 1967-102B
[RAE-TR-90029] 08 p1099 N91-16035
WALKER, F. J.
Surface structures and the orthorhombic transformation of thin film BaSi2 on silicon
[DE91-011372] 17 p2871 N91-25883
WALKER, G. K.
A review of recent research on improvement of physical parameterizations in the GLA GCM
[NASA-TM-100771] 10 p1557 N91-18561
WALKER, GILBERT C.
Nonexponential solvation dynamics of simple liquids and mixtures
[AD-A235968] 19 p3125 N91-27267
Ultrafast charge separation in ADMA experiment, simulation, and theoretical issues
[AD-A235486] 19 p3241 N91-27922
Ultrafast studies on electron transfer
[AD-A235487] 19 p3241 N91-27923
Ultrafast measurements on direct photoinduced electron transfer in a mixed valence complex
[AD-A235572] 19 p3241 N91-27924
Reaction in rates in the phenomenological adiabatic excited state electron transfer theory
[AD-A235583] 19 p3241 N91-27925
WALKER, GILBERT H.
Potential converter for laser-power beaming
22 p3635 N91-30228
WALKER, HELEN J.
Studying the spatial distribution of interstellar dust
06 p0901 N91-14980
WALKER, J.
Video frame store: An advanced solid state recorder
[DE91-015709] 21 p3520 N91-29549
WALKER, J. D.
Strain enhanced electron spin polarization observed in photoemision from InGaAs
[DE91-012319] 20 p3425 N91-28996
Three-dimensional vortex dynamics and interactions in near-wall turbulent boundary layers
[AD-A237413] 21 p3513 N91-29507
WALKER, J. LESLIE
Software reliability experiments data analysis and investigation
[NASA-CR-187492] 09 p1386 N91-17626
WALKER, JAMES C. G.
Degassing 14 p2346 N91-22974
WALKER, JAMES D.
Long-rod penetration of confined ceramic tiles
[AD-A234312] 18 p2994 N91-26534
WALKER, JOSEPH L.
Next-generation fire extinguishing agent. Phase 2: Laboratory tests and scoping trials
[AD-A227347] 06 p0816 N91-14510
WALKER, K. P.
On the thermodynamics of stress rate in the evolution of back stress in viscoplasticity
[NASA-TM-103794] 11 p1721 N91-19476
Asymptotic integration algorithms for nonhomogeneous, nonlinear, first order, ordinary differential equations
[NASA-TM-103793] 13 p2143 N91-21797
WALKER, KEVIN
The Copernicus project 08 p1102 N91-16052
WALKER, KEVIN P.
An overview of self-consistent methods for fiber-reinforced composites
[NASA-TM-103713] 11 p1675 N91-19232
From differential to difference equations for first order ODEs
[NASA-TM-104530] 19 p3235 N91-27886
Exponential integration algorithms applied to viscoplasticity
[NASA-TM-104461] 19 p3237 N91-27901
WALKER, LLOYD
Hypermedia and visual technology
[NASA-CR-187933] 09 p1387 N91-17627
WALKER, M. J.
A review of high angle of attack requirements for combat aircraft 15 p2373 N91-23130
WALKER, MARILYN D.
Landscape dynamics in the Arctic foothills: Landscape evolution and vegetation succession on disturbances
[DE91-005348] 09 p1360 N91-17474
WALKER, MARY MCWHERTER
Joint computational/experimental aerodynamics research on a reentry vehicle. Part 2: Computational results
[DE90-012765] 08 p1102 N91-16054
WALKER, MICHAEL W.
Adaptive control of space based robot manipulators
12 p1936 N91-20649
WALKER, N. A.
Influence of heat treatment on microstructure and properties of an advanced high temperature titanium alloy
[PNR-90689] 02 p0198 N91-11107
WALKER, R.
The design and application of modular, acoustic diffusing elements
[BBC-RD-1990/15] 07 p1062 N91-15844
A review of the airborne sound insulation requirements for broadcasting studios and ancillary areas
[BBC-RD-1990/10] 08 p1214 N91-16680
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006
WALKER, RAY
Manufacturing processes 20 p3298 N91-28244
WALKER, ROBERT A.
The 1988 anthropometric survey of US Army personnel: Correlation coefficients and regression equations. Part 1: Statistical techniques, landmark, and measurement definitions
[AD-A224986] 03 p0395 N91-12194
The 1988 anthropometric survey of US Army personnel: Methods and summary statistics
[AD-A225094] 03 p0395 N91-12196
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 2: Simple and partial correlation tables-male
[AD-A224987] 04 p0551 N91-13055
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 3: Simple and partial correlation tables-female
[AD-A224988] 04 p0551 N91-13056
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 4: Bivariate regression tables
[AD-A224989] 04 p0551 N91-13057
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 5: Stepwise and standard multiple regression tables
[AD-A224990] 04 p0551 N91-13058
WALKER, ROGER S.
Pavement crack detection with lasers
[PB91-103820] 09 p1349 N91-17408
WALKER, S. N.
Plasma wave measurements on the dayside: Scale sizes and observational requirements
01 p0070 N91-10426
Load response of horizontal-axis wind turbines to turbulence
[DE90-000375] 06 p0841 N91-14644
Analysis of a teetered, variable-speed rotor
[DE91-002190] 21 p3536 N91-29646
WALKER, T. P.
Neutrino degeneracy and cosmological nucleosynthesis, revisited
[NASA-CR-188703] 20 p3444 N91-29110
WALKER, W. D.
Studies of interactions between elementary particles and nuclei
[DE91-012300] 18 p3062 N91-26912
High energy physics
[DE91-015796] 23 p3926 N91-31939
WALKO, LAWRENCE C.
High current pulse testing for ground rod integrity
24 p4070 N91-32737
WALKO, R.
Mesoscale modeling of precipitation scavenging by a cold-frontal squall line
[DE91-015534] 21 p3545 N91-29695
WALKO, R. J.
Aerogel composites for radioluminescent light/power sources
[DE91-012012] 20 p3323 N91-28395
Tritium-field betacells
[DE91-014666] 21 p3579 N91-29910
WALKUP, JOHN F.
Programmable optical quadratic neural networks
[AD-A233520] 16 p2676 N91-24813
WALL, DOUGLAS
Measurements and mechanisms of localized aqueous corrosion in aluminum-lithium-copper alloys
19 p3130 N91-27290
WALL, F. D.
Stress corrosion cracking of Al-Li-Cu-Zr alloy 2090 in aqueous Cl(-) and mixed CO3(2-)/Cl(-) environments
[DE91-007064] 11 p1682 N91-19269
The role of anodic dissolution in the stress corrosion cracking of Al-Li-Cu alloy 2090
[DE91-016403] 24 p3977 N91-32219
WALL, J. J.
Cost effective electronic components for short life space missions 24 p4004 N91-32387
WALL, M.
Cross-sectional TEM specimen preparation of free-standing metal multi-layered films
[DE91-011117] 20 p3315 N91-28351
X ray fiducial foils
[DE91-011193] 20 p3348 N91-28542
WALL, M. A.
Electron microscopy of thick 304 SS-copper multilayers
[DE91-011116] 21 p3590 N91-29972
WALL, S.
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
WALLACE, B. S.
Scientific data visualization
[DE91-014216] 20 p3387 N91-28766
WALLACE, BRIAN L.
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 1: January
[AD-A227122] 08 p1176 N91-16476
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 2: February
[AD-A227123] 08 p1177 N91-16477
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 3: March
[AD-A227124] 08 p1177 N91-16478
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 4: April
[AD-A227125] 08 p1177 N91-16479
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 7: July
[AD-A227126] 08 p1177 N91-16480
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 10: October
[AD-A227127] 08 p1177 N91-16481
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 5: May
[AD-A232977] 16 p2659 N91-24711
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 6: June
[AD-A232978] 17 p2812 N91-25543
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 8: August
[AD-A232979] 17 p2812 N91-25544
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 9: September
[AD-A232980] 17 p2813 N91-25545
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 11: November
[AD-A232981] 17 p2813 N91-25546
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 12: December
[AD-A232982] 17 p2813 N91-25547
WALLACE, D. C.
Overdriven shocks in solids and liquids
[DE91-013370] 20 p3361 N91-28618
A new model of rate dependent elastic-plastic flow
[DE91-014600] 20 p3364 N91-28633
WALLACE, DAVID B.
Study of orifice fabrication technologies for the liquid droplet radiator
[NASA-CR-187114] 14 p2236 N91-22372
WALLACE, G. A.
Ensuring the integrity and veracity of an interactive fault diagnosis and isolation system for a gas turbine engine
[AD-A230724] 12 p1908 N91-20497
WALLACE, JOHN
Multiple sensor multifrequency eddy current monitor for solidification and growth 13 p2064 N91-21362
WALLACE, JOHN F.
The transition of ground-based space environmental effects testing to the space environment
12 p1952 N91-20738
WALLACE, JOHN W.
Mechanical properties of the fiberglass prepreg system used for the National Transonic Facility replacement blade set
[NASA-TM-102756] 10 p1474 N91-18120
WALLACE, LLOYD
Tracking atmospheric trace gases by spectroscopy from Kitt Peak 03 p0449 N91-12506
WALLACE, P. L.
The new metals and alloys compilation, a powerful materials analysis tool
[DE91-016199] 24 p3976 N91-32208
WALLACE, R.
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252

WALLACE, R. J.
Planar indirect-drive Rayleigh-Taylor experiments on Nova
[DE91-011967] 18 p3067 N91-26943
Large growth Rayleigh-Taylor experiments on Nova
[DE91-012885] 20 p3418 N91-28955
WALLACE, R. M.
Dissociative adsorption of PH3 on Si(111)-(7x7). A high resolution electron energy loss spectroscopy study
[AD-A225313] 03 p0339 N91-11900
Adsorption and decomposition of acetylene on Si(100)-(2x1)
[AD-A233808] 18 p2945 N91-26248
Adsorption and thermal behavior of ethylene on Si(100)-(2x1)
[AD-A234098] 18 p2946 N91-26252
WALLACE, T.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
WALLACE, TERRYL A.
Oxidation characteristics of Ti-25Al-10Nb-3V-1Mo intermetallic alloy
[NASA-TP-3044] 05 p0635 N91-13522
WALLACE, TOM
Physics of RF breakdown for AIM applications
10 p1550 N91-18526
Artificial ionospheric mirrors for radar applications
10 p1554 N91-18545
System concept and analysis of an Artificial Ionospheric Mirror (AIM) radar
[AD-A234289] 18 p3011 N91-26630
WALLACE, W.
The failure of components in power generation equipment
[NAE-LTR-ST-1774] 21 p3458 N91-29180
Intermetallics: Canadian perspective
[NAE-LTR-ST-1771] 21 p3478 N91-29288
WALLACE, W. E.
Studies involving the synthesis and characterization of high energy magnet materials
[AD-A233081] 16 p2681 N91-24842
WALLACH, DAVID
Soluble cytokine-receptors are present in normal human urine
14 p2294 N91-22684
WALLCRAFT, A. J.
Notes on the NOARL nowcast for the 1989 to 1990 El Nino forced by FNOC winds
[AD-A223520] 02 p0242 N91-11347
A 1/8 degree model of the north Pacific Ocean
[AD-A228957] 09 p1369 N91-17526
Gulf of Mexico circulation modeling study: Annual progress report: Years 3 and 4
[PB91-210666] 24 p4071 N91-32746
WALLER, R. A.
Mexico City air quality research initiative: An overview and some statistical aspects
[DE91-018045] 24 p4043 N91-32590
WALLER, WILLIAM H.
Starburst outflows from nearby galaxies
05 p0759 N91-14219
WALLER, WILLIAM HOWARD
Recent starbirth and starburst activity in nearby galaxies
02 p0290 N91-11627
WALLEY, A. M.
The Palaeozoic palaeogeography of the Amadeus Basin region
19 p3194 N91-27659
WALLIN, JOHN F.
Observations and models of star formation in the tidal features of interacting galaxies
08 p1264 N91-16957
WALLIN, STEPHEN
Numerical analysis of composite dielectrics: Preliminary results for two dimensions
[AD-A231519] 14 p2239 N91-22386
WALLING, R. S.
A calculation of gain in Ne-like Ag soft x ray lasers
[DE91-009758] 14 p2270 N91-22559
Analysis of time- and space-resolved Na-, Ne-, and F-like emission from a laser-produced bromine plasma
[DE91-011523] 17 p2869 N91-25871
WALLIS, D. B.
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
WALLIS, MAX K.
Interpretation of comet Halley's dust continuum in the UV
09 p1432 N91-17888
IUE observations of comet Okazaki-Levy-Rudenko (1989r)
09 p1432 N91-17889
Observations of comet Brorsen-Metcalf and comparisons with Halley
09 p1433 N91-17890
WALLNAU, KURT C.
Software Technology for Adaptable, Reliable Systems (STARS)
[AD-A229350] 22 p3724 N91-30728
WALLNER, G.
Characterization of nanocrystalline Pd by x ray diffraction and EXAFS
[DE91-006441] 09 p1416 N91-17794
WALLS, BRYAN
Augmentation of the space station module power management and distribution breadboard
12 p1942 N91-20685
WALLS, C. A.
Gelcasting of sub-micron alumina, sialon, and silicon nitride powders
[DE91-000618] 08 p1118 N91-16145
Drying of gelcast ceramics
[DE91-012955] 20 p3325 N91-28413
WALLS, F. L.
Time domain frequency stability calculated from the frequency domain description: Use of the SIGINT software package to calculate time domain frequency stability from the frequency domain
[PB90-257684] 02 p0253 N91-11405
WALLS, FRED L.
Characterization of clocks and oscillators
[PB91-100909] 14 p2266 N91-22539
Environmental sensitivities of quartz crystal oscillators
17 p2857 N91-25797
WALLSOM, RICHARD E.
Mechanical end joint system for connecting structural column elements
[NASA-CASE-LAR-14465-1] 06 p0835 N91-14614
WALLSTEN, T. S.
Assessing the risk of chronic lung injury attributable to long-term ozone exposure
[DE91-016814] 24 p4073 N91-32757
WALMSLEY, CHARLES MALCOLM
The 1.3 mm continuum emission from circumstellar envelopes
13 p2175 N91-22007
WALOWIT, J. A.
Modeling of stresses in coated solids
[AD-A227709] 07 p0970 N91-15323
WALOWIT, JED A.
A continuum approach toward modeling the mechanics of solid lubricating films
[AD-A226961] 06 p0812 N91-14486
WALPOLE, J. N.
Materials systems for 2- to 5-micrometers wavelength diode lasers
[AD-A228218] 08 p1155 N91-16361
WALRAVEN, J.
The effect of stereoscopic presentation on a simulated air traffic control task
[IZF-1989-53] 05 p0618 N91-13431
Evaluation of a simple method for color monitor recalibration
[IZF-1990-B-4] 05 p0650 N91-13608
Colour specifications for the Electronic Chart Display and Information System (ECDIS)
[IZF-1990-A-19] 05 p0682 N91-13789
WALSH, D.
Comparison of the thermal stability of the codeposited carbon/hydrogen layer to that of the saturated implant layer in graphite
[DE90-012148] 08 p1118 N91-16144
WALSH, D. S.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
Carborane films: Applications to first-wall problems in tokamaks
[DE91-004034] 07 p1068 N91-15878
Application of the nuclear microprobe to the imaging of single event upsets in integrated circuits
[DE91-014701] 21 p3504 N91-29447
WALSH, DANIEL W.
Characterization of the corrosion resistance of several alloys to dilute biologically active solutions
10 p1635 N91-19017
WALSH, DAVID J.
Visual Survey of Apache Aviators (VISAA)
[AD-A230201] 12 p1931 N91-20624
Laser protection with image intensifier night vision devices
17 p2825 N91-25607
WALSH, DUNCAN
Far-infrared emission from dusty ellipticals
05 p0743 N91-14142
WALSH, DUNCAN ELIOT PETER
Population synthesis models for cluster galaxies at redshifts of 0.4 to 0.55
20 p3446 N91-29124
WALSH, J.
PKS2152-69: A misdirected Blazar
09 p1444 N91-17960
WALSH, JOANNE L.
Stacking-sequence optimization for buckling of laminated plates by integer programming
[NASA-TM-104033] 13 p2104 N91-21580
Performance optimization of helicopter rotor blades
[NASA-TM-104054] 18 p2925 N91-26137
WALSH, M.
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061
Greenhouse gas emissions from selected alternative transportation fuels market niches
[DE90-010491] 08 p1171 N91-16448
WALSH, M. J.
Fatigue crack propagation of coplanar semi-elliptical cracks in pure bending
[PNR-90742] 01 p0057 N91-10337
WALSH, PETER J.
Measurement and analysis of the microwave surface resistance in a mixed phase Y-Ba-Cu-O superconductor
[AD-A230047] 12 p1986 N91-20930
WALSH, R.
Space station automation of common module power management and distribution
[NASA-CR-4260] 22 p3629 N91-30195
WALSH, S. J.
Precipitation regime changes associated with climatic changes
[PB91-206656] 24 p4070 N91-32740
WALSH, W. J.
User's guide to DIANE version 2.1: A microcomputer software package for modeling battery performance in electric vehicle applications
[DE91-006071] 10 p1518 N91-18356
WALSTON, W. S.
The effect of hydrogen on the deformation behavior of a single crystal nickel-base superalloy
16 p2583 N91-24316
WALSTROM, PETER
High-order optics of multipole magnets
[DE90-016438] 01 p0121 N91-10717
WALTEMATH, L. A.
Global climate change policy issues related to the movement of industry from developed to rapidly industrializing countries
[DE91-005615] 09 p1361 N91-17481
WALTER, C. E.
Thulium heat source IR/D project 91-031
[DE91-007117] 10 p1541 N91-18485
Infrastructure for thulium-170 isotope power systems for autonomous underwater vehicle fleets
[DE91-017464] 24 p4100 N91-32911
WALTER, C. J.
Reliability modeling of dependable distributed systems
[AD-A239734] 23 p3882 N91-31663
WALTER, C. M.
Research and development for Digital Voice Processing (DVP)
[AD-A238280] 21 p3501 N91-29427
WALTER, DONALD K.
CNO abundance variations in the type I planetary nebulae
09 p1435 N91-17908
WALTER, G.
Dispersion electrolysis (TEXUS 7)
23 p3828 N91-31352
WALTER, H. U.
Directional solidification of doped germanium (TEXUS 4) ESA
23 p3834 N91-31380
Striations in germanium (TEXUS 6) ESA
23 p3834 N91-31381
Composite materials, 1 (TEXUS 1)
23 p3839 N91-31408
Composite materials, 2 (TEXUS 2)
23 p3839 N91-31409
Immiscibles, 1 (TEXUS 3) 23 p3839 N91-31410
Immiscibles, 2 (TEXUS 5) 23 p3839 N91-31411
Dispersion alloys (TEXUS 7) 23 p3840 N91-31412
Composite materials, 1 (TEXUS 1)
23 p3843 N91-31430
Composite materials, 2 (TEXUS 2)
23 p3843 N91-31431
WALTER, J. A.
An evaluation of nickel-aluminum coatings fabricated with the plasma-spray process
[DE91-013208] 21 p3484 N91-29328
WALTER, LOUIS S.
Volcanism-Climate Interactions
[NASA-CP-10062] 13 p2114 N91-21641
WALTER, M. R.
Late Proterozoic and early Palaeozoic palaeontology and biostratigraphy of the Amadeus Basin
19 p3193 N91-27655
WALTER, R.
Cluster as a wave telescope 01 p0070 N91-10424
WALTER, RICHARD T.
Volumetric measurement of tank volume
[NASA-CASE-MSC-21500-1] 13 p2088 N91-21493
WALTER, STEVEN JAY
Measurement of the microwave propagation delay induced by atmospheric water vapor
20 p3334 N91-28466

WALTERBOS, RENE
Supernova remnants and diffuse ionized gas in M31
05 p0750 N91-14179
High brightness neutral hydrogen in M31: A new probe of interstellar pressure
05 p0754 N91-14196
WALTERS, DAVID
Connectivity alternatives for remote users of the Maintenance Processor Subsystem (MPS)
[DOT/FAA/CT-90/16] 05 p0700 N91-13900
WALTERS, DONALD L.
Optical turbulence and rawinsonde measurements for 17-28 September 1989 at Anderson Mesa/United States Naval Observatory, Flagstaff, Arizona
[AD-A230310] 12 p1925 N91-20594
Atmospheric optical turbulence measurements taken at Anderson Mesa, Flagstaff, Arizona between 13-19 November 1989
[AD-A232222] 15 p2464 N91-23656
Atmospheric optical turbulence measurements taken at Anderson Mesa, Flagstaff, Arizona between 10-19 July 1990
[AD-A234190] 18 p3011 N91-26629
WALTERS, E. J.
Center for electronics and electrical engineering technical publication announcements covering Center programs, July - September, 1989, with 1990 CEEE events calendar
[PB90-206491] 02 p0205 N91-11145
WALTERS, EDWARD M.
Keyword thesaurus: Terms and codes identifying interest areas for Federal funding of research and other sponsored programs, 4th edition, September, 1990
[NASA-CR-187752] 09 p1421 N91-17821
WALTERS, HAROLD GRAYSON
Parametric continuous crack tip boundary elements in linear elastic fracture mechanics
07 p1021 N91-15606
WALTERS, JERRY L.
Autonomous power expert system advanced development
12 p1943 N91-20689
An autonomous fault detection, isolation, and recovery system for a 20-kHz electric power distribution test bed
[NASA-TM-104344] 17 p2837 N91-25680
WALTERS, JOSEPH DOUGLASS
Optimization and thermodynamic performance measures for a class of finite time thermodynamic cycles
20 p3435 N91-29060
WALTERS, R. T.
Effects of radiolytic tritium decay on the thermodynamic behavior of LaNi(4.25)Al(0.75) tritides
[DE91-007961] 11 p1684 N91-19277
WALTERS, ROBERT J.
Temperature coefficients and radiation induced DLTS spectra of MOCVD grown n(+)p InP solar cells
22 p3638 N91-30245
WALTERS, W. B.
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones
[DE91-008144] 12 p1975 N91-20867
WALTERS, WES
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
WALTERS, WILLIAM P.
Solution of the long rod penetration equations
[AD-A230156] 12 p1907 N91-20492
WALTHALL, CHARLES L.
Advanced Solid-State Array Spectrometer (ASAS) data sets from the 1990 field season: A unique look at two forested ecosystems
17 p2800 N91-25488
A pointable, helicopter-based remote sensing data acquisition system for collecting bidirectional reflectance data
17 p2800 N91-25491
WALTHER, HANS-JOACHIM
Decomposition of the n-cube into paths
[MEMO-855] 02 p0262 N91-11468
WALTMAN, S. B.
A novel electron tunneling infrared detector
06 p0795 N91-14391
Electron tunnel sensor technology
14 p2362 N91-23067
WALTON, E. K.
A planar near-field scanning technique for bistatic radar cross section measurements
[NASA-CR-187794] 08 p1127 N91-16194
Bispectral analysis of radar signals with application to target classification
[AD-A229388] 22 p3657 N91-30356
WALTON, J. J.
The effects of climate change on the nitrogen cycle and acid deposition
[DE91-002785] 06 p0843 N91-14659
NO(x) pollution from biomass burning: A global study
[DE91-010154] 16 p2655 N91-24691
Simulation of precipitation scavenging in a three-dimensional global model
[DE91-011531] 18 p3007 N91-26606
Impact of reactive nitrogen emissions from fossil fuel combustion and biomass burning on atmospheric chemistry
[DE91-017651] 24 p4042 N91-32588
WALTON, S. R.
A program of photometric measurements of solar irradiance fluctuations from ground-based observations
03 p0440 N91-12459
WALTON, WILLIAM C.
Experiences with the use of axisymmetric elements in cosmic NASTRAN for static analysis
12 p1912 N91-20516
WALTRIP, B. C.
NIST digitally synthesized power calibration source
[PB91-107474] 09 p1326 N91-17281
WALTZ, R. E.
Scaling dimensionally similar tokamak discharges to ignition
[DE90-010079] 08 p1225 N91-16749
Three-dimensional numerical simulation of simple electron drift wave turbulence in a sheared and curved magnetic field
10 p1597 N91-18812
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
Comparison of dimensionally similar discharges with similar heat deposition discharges
[DE91-011740] 18 p3066 N91-26938
WAMBSGANSS, M. W.
Two-phase flow patterns and frictional pressure gradients in a small, horizontal, rectangular channel
[DE90-014802] 01 p0040 N91-10236
Two-phase flow patterns and frictional pressure gradients in a small rectangular channel
[DE91-009652] 15 p2421 N91-23414
Adiabatic two-phase flow frictional pressure drop. Part 2: A generalized method for data correlation
[DE91-014462] 21 p3512 N91-29501
Adiabatic two-phase flow frictional pressure drop. Part 1: Critical parameters and friction factors for air-water mixture
[DE91-014463] 21 p3512 N91-29502
WAMPLER, W. R.
Characterization of electron cyclotron resonance hydrogen plasmas
[DE91-001250] 06 p0876 N91-14844
Carborane films: Applications to first-wall problems in tokamaks
[DE91-004034] 07 p1068 N91-15878
Comparison of the thermal stability of the codeposited carbon/hydrogen layer to that of the saturated implant layer in graphite
[DE90-012148] 08 p1118 N91-16144
WAMSTEKER, WILLEM
Accurate differential photometry using the fine error sensor
09 p1438 N91-17923
Narrow circumstellar emission lines in SN 1987A
09 p1443 N91-17953
Mapping the BLR: Line variability in Fairall-9
09 p1445 N91-17972
Homogenizing the object nomenclature in the IUE log of observations
09 p1447 N91-17981
WAN, YI
Localization and electron-phonon interaction in disordered systems
[DE91-007654] 11 p1793 N91-19837
WANDEL, AMRI
Accretion disk emission from a BL Lacertae object
09 p1445 N91-17971
WANDER, JOSEPH D.
Destruction of propellant components in supercritical water
[DE90-010600] 08 p1108 N91-16085
WANDER, STEVE
NASA Aerodynamics Program
[NASA-TM-4312] 23 p3897 N91-31751
WANG, A.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
WANG, ALBERT S. D.
Structure and properties of high symmetry composites
[AD-A226479] 04 p0499 N91-12769
WANG, BOQI
Components of cosmic background radiation and their interaction with matter
03 p0450 N91-12512
Galaxy formation by dust
06 p0902 N91-14989
WANG, C.
Fracture mechanics and cavitation in rubberlike solids
[AD-A233310] 16 p2606 N91-24443
Exponentially stable approximations of weakly damped wave equations
[NASA-CR-187584] 19 p3235 N91-27888
WANG, C. R.
Heat transfer, velocity-temperature correlation, and turbulent shear stress from Navier-Stokes computations of shock wave/turbulent boundary layer interaction flows
13 p2015 N91-21085
WANG, C. S.
Synthesis and characterization of poly(methylsiloxane)s containing 4-(S(-)-2-methyl-1-butoxy) 4'-(p-(omega-alkan-1-yloxy)benzoyloxy) ene side groups
[AD-A235786] 19 p3251 N91-27984
Synthesis and characterization of poly(methylsiloxane)s containing 5-(S(-)-2-methyl-1-butyl) 2-(4-(11-undecan-1-yloxy)phenyl) 1,3,2-dioxaborinane and 2-(4-(S(-) 2-methyl-1-butoxy)phenyl) 5-(11-undecan-1-yl) 1,3,2-dioxaborinane constitutional isomeric side groups
[AD-A235787] 19 p3251 N91-27985
Synthesis and characterization of polymethacrylates, polyacrylates, and poly(methylsiloxane)s containing 4-(S(-)-?-methyl-1-butoxy) -methylstilbene side groups
[AD-A235788] 19 p3251 N91-27986
Engineering of liquid crystalline polymers by living polymerization. Part 12: Synthesis and living cationic polymerization of 4-(S(-)-2-methyl-1-butoxy) 4'-(omega-oxyalkyl-1-vinyl ether)-alpha-methylstilbene with octyl and hexyl alkyl groups
[AD-A235790] 19 p3252 N91-27988
WANG, CHARLES C.
A Mobile Satellite Experiment (MSAT-X) network definition
[NASA-CR-187336] 01 p0017 N91-10105
WANG, D.
Diffraction effects from (111) twist boundaries in gold
[DE91-005849] 09 p1414 N91-17782
WANG, D. X.
An electron beam injector for pulse compression experiments
[DE91-005744] 09 p1398 N91-17694
WANG, FEI
Electroactive, near infrared absorbing nickel bis(dithiolene) complex polycarbonates and polyurethanes
[AD-A234595] 18 p2962 N91-26350
WANG, GUANG-NAY
A microcomputer-based information retrieval system with relational thesauri to support a medical expert system
09 p1420 N91-17817
WANG, GUANGQUI
Frequency dependent slip coefficients for rolling contact of viscoelastic rollers
[ILR-MITT-241(1990)] 07 p1010 N91-15549
WANG, GUO-JUAN
Digital image integration technique of multiple geoscience information system and its application
[DE90-627893] 01 p0135 N91-10801
WANG, H.
A high-speed distortionless predictive image-compression scheme
03 p0354 N91-11981
Textured growth processing of HTSC in the Y-Ba-Cu-O
[DE91-010367] 17 p2871 N91-25879
WANG, H. H.
De Haas-van Alphen and Fermi surface studies of organic superconductors (ET)2X
[DE91-015137] 21 p3593 N91-29987
Magnetic relaxation of the organic superconductor kappa-(BEDT-TTF)2Cu(N(CN)2)Br
[DE91-016528] 24 p4110 N91-32969
WANG, H. Y.
Free energy simulation of grain boundary segregation the thermodynamics in Ni(3-x)Al(1+x)
[DE91-007473] 11 p1808 N91-19928
WANG, H.-G.
Microstructures and dc critical currents in textured Y-Ba-Cu-oxides
[DE91-000895] 08 p1234 N91-16803
WANG, HAI
Computer modeling of soot formation comparing free radical and ionic mechanisms
[AD-A232820] 15 p2399 N91-23287
WANG, HAU H.
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582
WANG, HONG
An experimental demonstration of high-resolution Doppler processing
[AD-A228813] 08 p1129 N91-16208
Intra-Pulse Frequency Diversity (IPFD) lab demonstration
[AD-A228814] 08 p1129 N91-16209

WANG, HONGXIN
The laser ablation of aluminum at 193, 248, and 351 nm
[AD-A237574] 21 p3523 N91-29569
WANG, HUA
Visual presentation and computer animation
[DE91-010599] 15 p2483 N91-23745
WANG, HUAILIANG
Olympus receiver evaluation and phase noise measurements 03 p0351 N91-11960
WANG, J. G.
An electron beam injector for pulse compression experiments
[DE91-005744] 09 p1398 N91-17694
WANG, J. P.
Hybrid fluid/kinetic descriptions of tokamak plasmas 20 p3407 N91-28888
Fluid/kinetic hybrid moment description of plasmas via a Chapman-Enskog-like approach
[DE91-013346] 20 p3417 N91-28949
WANG, J. W.
HEM(sub 11) modes revisited
[DE91-001028] 06 p0872 N91-14819
WANG, JIAN-HUA
Transport of carbon ion test particles and hydrogen recycling in the plasma of Columbia tokamak HBT (high beta tokamak)
[DE91-004118] 07 p1069 N91-15882
WANG, JIANPING
Fluid/kinetic hybrid moment description of plasmas via a Chapman-Enskog-like approach
[DE91-010969] 16 p2692 N91-24904
WANG, JINXUE
An investigation on the multiorder Fabry-Perot interferometer as a satellite-borne high-resolution atmospheric temperature sounder 22 p3705 N91-30624
WANG, K. L.
Quantum devices and structures using Si-based molecular beam epitaxy
[AD-A238374] 22 p3759 N91-30957
WANG, KANG L.
Electronic study of Pt-Ga intermetallic thin films using x :ray photoemission spectroscopy
[AD-A225036] 03 p0338 N91-11893
Epitaxial growth and electro-optical properties of metal GaAs superlattices
[AD-A239719] 23 p3933 N91-31984
WANG, KON-WELL
Robust and real-time control of magnetic bearings for space engines 20 p3296 N91-28230
WANG, L. C.
Self-consistent calculation of atomic adsorption on metals in high electric fields
[AD-A236205] 19 p3242 N91-27931
WANG, LAI-SHENG
High resolution photoelectron spectroscopy of metal clusters and high temperature species
[DE90-011598] 08 p1114 N91-16119
WANG, LI-PING
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
WANG, LI-SHENG
Geometry, dynamics and control of coupled systems 18 p2971 N91-26401
WANG, LIAN-PING
On the dispersion of heavy particles by turbulent motion 22 p3674 N91-30458
WANG, LIANG-GUO
Non-mechanical optical path switching and its application to dual beam spectroscopy including gas filter correlation radiometry
[NASA-CASE-LAR-14588-1-CU] 15 p2507 N91-23889
WANG, LIER
Analysis of atmospheric diffusion of pollutants based on the limited observation of horizontal wind 08 p1140 N91-16274
WANG, LINTAO
Distorted-wave born approximation calculations for turbulence scattering in an upward-refracting atmosphere 08 p1217 N91-16700
WANG, LUI
System and method for a general purpose architecture for intelligent computer-aided training
[NASA-CASE-MSC-21381-1] 05 p0707 N91-13944
A knowledge base browser using hypermedia 13 p2167 N91-21956
Metamorphoses of ONAV console operations: From prototype to real time application 14 p2316 N91-22794
Genetic algorithms 15 p2536 N91-24050
WANG, M. L.
Development of a high-imaging speed SEM for dynamically loaded materials
[AD-A229244] 10 p1535 N91-18451
WANG, P.
Background stratospheric aerosol reference model 19 p3190 N91-27640
WANG, P. Z.
The simplification of fuzzy control algorithm and hardware implementation 13 p2140 N91-21781
WANG, PAUL
An in-depth analysis of concurrent B-tree algorithms
[AD-A232287] 15 p2487 N91-23770
WANG, PAUL P.
Design of QMF (Quadrature Mirror Filter) in spatial domain and edge encoding 04 p0601 N91-13345
WANG, Q.
System characterization of positive real conditions
[NASA-CR-188113] 12 p1960 N91-20784
Coding for frequency hopped spread spectrum satellite communications
[ECE-89-1] 21 p3496 N91-29398
WANG, QINGLIN
A numerical procedure for recovering true scattering coefficients from measurements with wide-beam antennas
[NASA-CR-186042] 23 p3855 N91-31492
WANG, R.
Nonequilibrium phase chemistry in high temperature structure alloys
[NASA-CR-4353] 12 p1868 N91-20265
Analysis of electromagnetic interference from power system processing and transmission components for Space Station Freedom
[NASA-CR-186564] 22 p3663 N91-30393
WANG, RONGDONG
Using MAPLE for symbolic computations in robotics
[DE90-010405] 08 p1197 N91-16576
WANG, RUIPING
Studying oxygen vacancies in ceramics by perturbed angular correlation spectroscopy
[DE91-005568] 10 p1502 N91-18266
WANG, RUOSONG
Some analysis of decision-making in the test manufacture of military aircraft
[AD-A233111] 16 p2544 N91-24093
WANG, S.
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-628758] 02 p0271 N91-11524
WANG, S. C.
Aerosol formation in atmospheric mixtures
[PB91-129114] 11 p1739 N91-19560
WANG, S. S.
Analysis of delamination in fiber composite laminates out-of-plane under bending
[NASA-CR-186023] 01 p0021 N91-10122
Compressive failure of thick-section composite laminates with and without cutouts subjected to biaxial loading 01 p0051 N91-10304
Development of a test system and experimental method for in-plane biaxial compressive deformation and failure of fiber composite materials
[AD-A234062] 18 p2940 N91-26214
WANG, SHAIO-WEN
Processing and characterization of continuous fiber-reinforced glass and glass-ceramic matrix composites 23 p3806 N91-31227
WANG, SHI-KUN
Operator formalism of multi-pole Virasoro algebra on Riemann sphere
[DE90-627217] 01 p0113 N91-10657
WANG, SHIH-LIANG
Studies of a direct drive robot with a parallel configuration
[AD-A231265] 13 p2098 N91-21548
WANG, SHOUPING
Model studies of the thermodynamic structure in the marine convective boundary layer 09 p1363 N91-17491
Global water cycle 24 p4056 N91-32661
WANG, SHYH
Studies of hetero-epitaxy of GaAs films on Si substrate for effective control of defect density and internal stress
[AD-A226144] 04 p0519 N91-12891
WANG, SU S.
Nonlinear behavior of fiber composite materials and its effect on the postbuckling response of laminated plates
[AD-A234203] 18 p2940 N91-26218
WANG, SU YING
Performance tests on Ge:Ga and Ge:Be detectors for the ISO long wavelength spectrometer 13 p2180 N91-22045
WANG, SUOJIN
Approximating tail probabilities of noncentral distributions
[AD-A228426] 09 p1392 N91-17660
WANG, T.
Gamma guidance of trajectories for coplanar, aeroassisted orbital transfer
[NASA-CR-187732] 06 p0789 N91-14365
Properties of the optimal trajectories for coplanar, aeroassisted orbital transfer
[NASA-CR-187733] 06 p0789 N91-14366
Decomposition technique and optimal trajectories for the aeroassisted flight experiment
[NASA-CR-187734] 06 p0790 N91-14367
WANG, T. G.
An estimation of temperatures of H I zone in BLR of Seyfert 1 galaxy I ZW1 09 p1443 N91-17959
Drop coalescence studies 13 p2066 N91-21375
WANG, T. M.
Absolute specular reflectometer with an autocollimator telescope and auxiliary mirrors
[PB90-269572] 09 p1425 N91-17844
WANG, T.-S.
Prediction of the thrust performance and the flowfield of liquid rocket engines 16 p2570 N91-24246
WANG, TAI-SEN F.
A new wake-potential calculation method using orthogonal polynomials
[DE91-013045] 20 p3392 N91-28799
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640
WANG, TAYLOR G.
Method and apparatus for producing microshells
[NASA-CASE-NPO-16635-1-CU] 24 p3981 N91-32240
WANG, TZYY-MING
Secondary stability and three-dimensional natural convection in a shallow cavity 21 p3511 N91-29495
WANG, W.
Cluster formation in laser-induced ablation and evaporation of solids observed by laser ionization time-of-flight mass spectrometry and scanning tunneling microscopy
[DE90-010876] 08 p1152 N91-16344
Time-frequency domain analysis of vibration signals for machinery diagnostics. 1: Introduction to the Wigner-Ville distribution
[OUEL-1859/90] 11 p1724 N91-19495
WANG, W. C.
Natural and anthropogenic climate change
[DE91-007363] 11 p1733 N91-19532
Natural and anthropogenic climate change
[DE91-014734] 20 p3371 N91-28673
WANG, WEICHENG DAVID
Ultrasonic evaluation of elastic and interfacial properties of composite materials and laminates 21 p3469 N91-29238
WANG, WEN I.
Pseudomorphic narrow gap materials for high performance devices
[AD-A228828] 09 p1327 N91-17289
Narrow gap superlattices for infrared sensor application
[AD-A236355] 19 p3254 N91-28004
Molecular beam epitaxial growth and characterization of metastable compound semiconductors for infrared detector applications
[AD-A237797] 21 p3597 N91-30010
WANG, WENXING
Global and regional environmental atmospheric chemistry
[DE90-016693] 01 p0067 N91-10407
WANG, X.
Acquiring SEA parameters on complex structures by a transient test method
[ISVR-TR-192] 12 p1915 N91-20532
Preliminary investigations of tactile perception of graphical patterns
[EUT-90-E-239] 22 p3719 N91-30700
WANG, XIAO C.
Ab initio quantum chemistry study of formamide-formamidic acid tautomerization
[AD-A235886] 19 p3242 N91-27930
WANG, XIAOGANG
Current sheet formation and rapid reconnection in the solar corona 20 p3407 N91-28884
WANG, XUAN-SHI
A knowledge base recognition system speech spectrogram interpretation
[TELECOM-90-E-006] 12 p1889 N91-20383
WANG, XUEGENG
A numerical study of unsteady flows past a circular cylinder 03 p0364 N91-12038

WANG, YAO JI
Nucleation in undercooled silver-germanium alloys
14 p2335 N91-22910
WANG, YAO-MING
Truncated sum MVL minimization using the neighborhood decoupling algorithm
[AD-A225916] 04 p0563 N91-13122
WANG, YAXIN
Transport and nucleation processes in the vapor growth of diamond
[AD-A232135] 15 p2517 N91-23953
WANG, YUN
False-vacuum decay in generalized extended inflation
[NASA-CR-186419] 01 p0117 N91-10695
Plausible double inflation
[NASA-CR-188449] 16 p2697 N91-24934
WANG, Z.
Detailed heat transfer measurements in nozzle guide vane passages in linear and annular cascades in the presence of secondary flows
[PNR-90706] 01 p0044 N91-10260
A facility for calibrating calorimeter gauges at high rates of convective heat transfer
[OUEL-1825/90] 01 p0046 N91-10272
Interfacial characteristic measurements in horizontal bubbly two-phase flow
[DE91-009803] 15 p2424 N91-23427
Implementation and verification of a viscoplastic material model using the ANSYS code
[DE91-010571] 16 p2607 N91-24447
Micromechanical evaluation of ceramic matrix composites
[AD-A236756] 19 p3121 N91-27240
WANG, Z. H.
Electron localization in polyaniline and its derivatives
[AD-A233934] 18 p2960 N91-26335
Application of microwave cavity perturbation techniques in conducting polymers
[AD-A239376] 23 p3820 N91-31310
WANG, Z. L.
In-situ observations of high temperature surface processes on alpha-alumina bulk crystals
[DE91-005509] 10 p1604 N91-18851
In-situ REM imaging of surface processes on ceramic bulk crystals from 300 to 1670 K in a conventional TEM
[DE91-009923] 20 p3324 N91-28405
Correcting channeling and diffraction effects in quantitative REELS surface microanalysis
[DE91-009924] 20 p3399 N91-28840
Materials science applications of a 120 kV FEG TEM/STEM: Triskaidekaphilia
[DE91-010136] 21 p3518 N91-29536
WANG, ZHAOYU
Global optimality, conservativity and singularity in redundancy resolution of robotic manipulators
21 p3527 N91-29593
WANG, ZHIYU
The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752
WANG, ZHONG
A scaling law of radial gas distribution in disk galaxies
05 p0735 N91-14106
WANGEMANN, ROBERT T.
The First Nonlinear Optics: Materials, Phenomena, and Devices Conference
[AD-A234733] 18 p3064 N91-26926
WANGEN, L. E.
The application of time-resolved luminescence spectroscopy to a remote uranyl sensor
[DE91-016310] 24 p3972 N91-32189
WANHAINEN, JOYCE S.
A new fabrication method for precision antenna reflectors for space flight and ground test
[NASA-TP-3078] 13 p2034 N91-21185
WANHILL, R. J. H.
Short and long fatigue crack growth in 2024-T3 under Fokker 100 spectrum loading 02 p0223 N91-11248
Thermal shock and oxidation resistance of ceramic coatings
[NLR-TP-89085-U] 22 p3654 N91-30339
Corrosion fatigue crack arrest in aluminium alloys
[NLR-MP-88050-U] 23 p3815 N91-31282
WANIE, K. M.
Numerical analysis of viscous hypersonic flow past a generic forebody
[MBB/FE122/S/PUB/0407] 08 p1092 N91-15997
Hypersonic model configurations
[MBB/FE122/S/PUB/411] 08 p1096 N91-16016
WANLAAS, M. W.
InP/Ga0.47In0.53As monolithic, two-junction, three-terminal tandem solar cells
11 p1668 N91-19191
WANLASS, M. W.
Recent advances in the ITO/InP solar cell
11 p1670 N91-19202
Monolithic InP/Ga0.47In0.53As tandem solar cells for space 22 p3633 N91-30219
High-efficiency heteroepitaxial InP solar cells
22 p3636 N91-30230
InP concentrator solar cells for space applications
22 p3636 N91-30231
WANTUCK, P.
Radio Frequency (RF) heated supersonic flow laboratory
[DE90-012099] 22 p3623 N91-30157
WANTUCK, P. J.
An experimental investigation of the properties of a non-reacting, supersonic shear layer
[DE91-005856] 10 p1462 N91-18061
Supersonic combustion of a transverse injected H2 jet in a radio frequency heated flow
[DE91-014739] 21 p3476 N91-29281
WAPELHORST, LEO
Data link test and analysis system/TCAS monitor user's guide
[DOT/FAA/CT-TN90/62] 12 p1880 N91-20337
WAPELHORST, LEO J.
NAS (HOST/ARTS 3A) to VME Modem interface ATC interface. Hardware manual
[DOT/FAA/CT-TN90/46] 09 p1383 N91-17609
WARBERG, JERGEN
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
WARBERG, JORGEN
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans
11 p1744 N91-19592
Influence on natriuresis of prolonged (12 h) water immersion on central hemodynamics and endocrine elements in humans 11 p1748 N91-19612
WARD, ALFORD L.
Spike leakage and burnout of silicon PIN diode microwave limiters
[AD-A238392] 21 p3507 N91-29471
User's manual for DIODE
[AD-A237190] 21 p3555 N91-29752
WARD, B. F. L.
Elementary particle interactions
[DE91-001220] 05 p0713 N91-13979
WARD, D. T.
A comparison of operationally determined atmospheric densities from satellite orbit solutions and the exospheric temperature from the Jacchia-Roberts model
09 p1289 N91-17083
WARD, G.
Direction discriminating hearing aid system
14 p2356 N91-23029
WARD, GREGORY
The practical computer in design
[DE91-000353] 03 p0401 N91-12232
WARD, J. S.
Monolithic InP/Ga0.47In0.53As tandem solar cells for space 22 p3633 N91-30219
High-efficiency heteroepitaxial InP solar cells
22 p3636 N91-30230
InP concentrator solar cells for space applications
22 p3636 N91-30231
WARD, JOAN M.
The hemispheric eighth mesh terrain elevation and geography data sets
[AD-A231592] 13 p2111 N91-21624
WARD, JOHN L.
High-resolution measurements of surface topography with airborne laser altimetry and the global positioning system 17 p2795 N91-25462
WARD, JOHN W.
Electronic, structural and transport properties of (almost) rare-earth-like actinide hydrides
[DE90-016491] 01 p0130 N91-10771
WARD, K. J.
Identification of surface contaminants using infrared micro-profiling
[DE91-006779] 10 p1496 N91-18236
Process monitoring of polyurethane foam using Fourier transform infrared spectroscopy
[DE91-010578] 18 p2968 N91-26385
Characterization of surface contaminants using infrared microspectroscopy
[DE91-009405] 21 p3529 N91-29605
WARD, L. C.
Pressure measurements on slender bodies at supersonic speeds and development of flow separation critera for Euler codes 06 p0772 N91-14282
WARD, LEONARD W.
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
WARD, M. B.
A convenient system for the manufacture of holographic diffraction gratings
[DE90-009481] 08 p1147 N91-16319
A convenient system for diffraction moire measurements
[DE90-010980] 08 p1223 N91-16739
WARD, M. J.
The missing UV absorption lines of NGC 4151
09 p1444 N91-17962
WARD, M. R.
Efficiency of N use by wheat as a function of influx and efflux of NO3 23 p3902 N91-31778
WARD, MARY CATHERINE
Software-first life cycle final definition for the Software Technology for Adaptable, Reliable Systems (STARS)
[AD-A228483] 09 p1382 N91-17600
WARD, MICHAEL A.
Spark-ignited diesel engine
[AD-A230243] 13 p2095 N91-21533
WARD, MICHAEL P.
A numerical investigation of the series reversion/inversion and series reversion of Lambert's time function
[AD-A230545] 12 p1971 N91-20843
WARD, MICHEL J.
Hybrid electro-optic processor
[AD-A239547] 23 p3857 N91-31505
WARD, N. R.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651
WARD, PAUL
Mars manned fusion spaceship
[NASA-CR-188215] 15 p2390 N91-23232
WARD, PAUL T.
Representing object oriented specifications and designs with extended data flow notations
01 p0107 N91-10617
WARD, RICHARD S.
Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU]
06 p0863 N91-14772
WARD, STEVEN N.
Viscoelastic deformation near active plate boundaries
[NASA-CR-188043] 12 p1922 N91-20572
WARD, T.
Repository operations and procedures for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228472] 09 p1381 N91-17592
WARD, T. E.
Production of organic chemicals via bioconversion: A review of the potential
[DE91-015524] 23 p3805 N91-31223
WARD, W. W.
UHF polarization characteristics of LES-8/9
[AD-A230733] 12 p1856 N91-20199
LES-8/9 spectrum-survey techniques
[AD-A230092] 12 p1881 N91-20341
WARDE, C.
Signal processing development
[AD-A226593] 05 p0725 N91-14052
WARDEN, M. P.
Implications of adaptive cancellation array processing for design of a space-based surveillance radar
[RSRE-MEMO-4410] 15 p2413 N91-23364
WARDLAW, A. B., JR.
Supersonic tactical missile computation using Euler's equation with crossflow separation modeling
06 p0772 N91-14284
Application of Euler and Navier-Stokes codes to missile type bodies with high L/D ratios
06 p0773 N91-14286
WARDRIP, S. CLARK
Inter-satellite time transfer: Techniques and applications 17 p2851 N91-25761
WARDWELL, DOUGLAS A.
Forces and pressures induced on circular plates by a single lifting jet in ground effect
[NASA-TM-102816] 14 p2187 N91-22077
Small-scale experiments in STOVL ground effects
[NASA-TM-102813] 14 p2189 N91-22091
Suckdown, fountain lift, and pressures induced on several tandem jet V/STOL configurations
[NASA-TM-102817] 16 p2546 N91-24108
Prediction techniques for jet-induced effects in hover on STOVL aircraft
[NASA-TM-102818] 24 p3948 N91-32070
WARE, ALAN S.
The design and fabrication of the Centaur neutral buoyancy trainer and related hardware
[NASA-CR-171944] 01 p0014 N91-10085

WARE, BRUCE E.
FAA air traffic operational evaluation of Automated Surface Observing System (ASOS)
[DOT/FAA/CT-TN90/42] 01 p0014 N91-10084
Runway Visual Range (RVR) Operational Test and Evaluation (OT and E)/integration test plan
[DOT/FAA/CT-TN91/4] 20 p3287 N91-28176
Air traffic operational evaluation plan for the limited production Automated Surface Observing System (ASOS)
[DOT/FAA/CT-TN91/13] 22 p3616 N91-30116

WARE, JACQUELINE
A scanning electron microscopy study of the macro-crystalline structure of 2-(2,4-dinitrobenzyl) pyridine 19 p3270 N91-28090

WARE, MATTHEW F.
Melt-processed bulk superconductors: Fabrication and characterization for power and space applications 15 p2542 N91-24082

WARFIELD, D.
Spaceflight performance of several types of silicon solar cells on the LIPS 3 satellite 11 p1672 N91-19213

WARGO, L.
Scientific and technical information handbook for technical report preparation
[AD-A238548] 21 p3604 N91-30051

WARHOLA, GREGORY T.
AFIT/AFOSR Symposium on Applications of Wavelets to Signal Processing. Volume 1: Synopsis
[AD-A238024] 22 p3662 N91-30388

WARING, RICHARD
Remote sensing of the seasonal variation of coniferous forest structure and function 17 p2799 N91-25485

WARMACK, R. J.
Growth and transport properties of Y-Ba-Cu-O/Pr-Ba-Cu-O superlattices
[DE91-000721] 07 p1070 N91-15889

WARMBROD, JOHN
External tank aerothermal design criteria verification, volume 1
[NASA-CR-183996] 02 p0185 N91-11037
External tank aerothermal design criteria verification, volume 2
[NASA-CR-183997] 02 p0185 N91-11038

WARMERDAM, J. H. A.
Four domains for concurrency
[CWI-CS-R9068] 17 p2845 N91-25725

WARMERDAN, J. H. A.
Metric POMsets semantics for a concurrent language with recursion
[CWI-CS-R9033] 10 p1574 N91-18656

WARNAAR, DIRK
Simulator evaluation of system identification with on-line control law update for the controls and astrophysics experiment in space 14 p2231 N91-22341

WARNAGIRIS, TOM
Research in software allocation for advanced manned mission communications and tracking systems
[NASA-CR-188114] 12 p1960 N91-20785

WARNAS, ALBERT A.
Mechanical and linear viscoelastic properties of high density polyethylene obtained from tensile and dead-load creep tests
[AD-A225203] 03 p0344 N91-11927

WARNCKE, M.
Effects of weightlessness (sea water immersion) on body fluid balance and CNS functions 15 p2449 N91-23566

WARNE, L. K.
Experimental study of narrow slot, cavity-backed apertures with finite wall conductivity
[DE91-009039] 15 p2411 N91-23352
Electromagnetic penetration of slot apertures with depth and losses
[DE91-016401] 23 p3856 N91-31500

WARNER-SELPH, M. A.
Measurements of toxic exhaust emissions from gasoline-powered light-duty vehicles
[PB90-259649] 02 p0234 N91-11306

WARNER, D. D.
Empirical proton-neutron interaction energies and nuclear structure
[DE90-017632] 02 p0268 N91-11500

WARNER, D. J.
The growth of epitaxial GaAs and GaAlAs on silicon substrate by MOVPE
[AD-A225743] 04 p0587 N91-13277

WARNER, J. D.
Determination of surface resistance and magnetic penetration depth of superconducting YBa2Cu3O(7-delta) thin films by microwave power transmission measurements
[NASA-TM-103616] 01 p0132 N91-10780
An experimental study of high Tc superconducting microstrip transmission lines at 35 GHz and the effect of film morphology
[NASA-TM-103633] 03 p0356 N91-11988

WARNER, JOSEPH D.
Superconducting microwave electronics at Lewis Research Center 15 p2541 N91-24081

WARNER, K. J.
Migration and generation of contaminants from launch through recovery: LDEF case history 16 p2706 N91-24977
LDEF contaminants analysis data 16 p2707 N91-24978

WARNER, MARK H.
Spin bearing retainer design optimization 16 p2641 N91-24615

WARNER, NORMAN
The development of perceptual/motor and cognitive performance measures under a high-G environment: A preliminary study
[AD-A231289] 13 p2127 N91-21709

WARNES, R. H.
Full-field Fabry-Perot interferometer
[DE91-014610] 21 p3518 N91-29540
VISAR: Line-imaging interferometer
[DE91-014749] 21 p3519 N91-29542

WARNOCK, ARCHIBALD, III
Preliminary results of investigations into the use of artificial neural networks for discriminating gas chromatograph mass spectra of remote samples 14 p2316 N91-22793

WARNOCK, R. L.
Invariant tori of the Poincare return map as solutions of functional difference equations
[DE91-007423] 11 p1782 N91-19777
Computation of invariant tori in 2 (1/2) degrees of freedom
[DE91-007424] 11 p1782 N91-19778
Symplectic full-turn maps in a Fourier representation
[DE91-012912] 20 p3392 N91-28796
Refinement of the Hamilton-Jacobi solution using a second canonical transformation
[DE91-012965] 20 p3392 N91-28798

WARRELL, RAYMOND
Gallium as a unique anti-resorptive agent in bone: Preclinical studies on its mechanisms of action
[DE90-010650] 08 p1190 N91-16542

WARRELMANN, J.
Development of a miniature biology facility 11 p1757 N91-19666
Experimental equipment for space biology
[MBB-UO-0096-90-PUB] 11 p1764 N91-19708

WARREN, A.
Thermal control for the ground simulation of a space IR sensor system 11 p1659 N91-19140

WARREN, A. J.
Beta measurements 24 p4060 N91-32681

WARREN, B. K.
Direct conversion of methane to C2's
[DE91-005730] 11 p1678 N91-19251
Direct conversion of methane to C2's and liquid fuels
[DE91-005729] 11 p1690 N91-19313
Direct conversion of methane to C2's and liquid fuels
[DE91-007545] 11 p1691 N91-19318

WARREN, BARBARA KNIGHT
Direct conversion of methane to C2's and liquid fuels
[DE91-005872] 09 p1320 N91-17249
Direct conversion of methane to C2's and liquid fuels
[DE91-005868] 10 p1506 N91-18290

WARREN, BRUCE A.
The object the metaphor the power and evergreen or the eighth way to make a hypermedia project fail 13 p2166 N91-21947

WARREN, CHARLES W.
Graphics modelling of non-contact thickness measuring robotics work cell 10 p1635 N91-19018

WARREN, J.
Preliminary results from the chemistry of micrometeoroid experiment (AO 187-1) 16 p2711 N91-25005

WARREN, JOHN
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720

WARREN, K. H.
Split-join and message passing programming models on the BBN TC2000
[DE91-008067] 20 p3388 N91-28774
The PCP/PFP programming models on the BBN TC2000
[DE91-011537] 20 p3390 N91-28781

WARREN, KAREN H.
Gauss elimination: A case study on parallel machines
[DE91-006259] 10 p1576 N91-18674

WARREN, M. E.
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510

WARREN, MICHAEL S.
The shape of the invisible halo: N-body simulations on parallel supercomputers
[DE91-004846] 09 p1388 N91-17636

WARREN, R.
Adhesion of metals on ceramic substrates (MASER 2)
ESA 23 p3850 N91-31463

WARREN, R. C.
Basic rheology and its application to nitrocellulose propellant processing by screw mix-extruders
[AD-A230872] 13 p2058 N91-21326

WARREN, R. W.
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640

WARREN, RICHARD M.
Mechanisms mediating the perception of complex acoustic patterns
[AD-A229472] 22 p3750 N91-30901

WARREN, ROGER W.
Lasing on higher harmonics
[DE91-000448] 04 p0528 N91-12927
Design requirements and calculated performance of an XUV FEL oscillator operating on a higher harmonic
[DE91-004833] 08 p1154 N91-16357

WARREN, STEPHEN G.
Cloud information for FIRE from surface weather reports 01 p0075 N91-10452
Measurements of the light-absorbing material inside cloud droplets and its effect on cloud albedo 01 p0091 N91-10528

WARREN, W. E.
The mechanical response of woven Kevlar fabric
[DE91-010581] 23 p3806 N91-31230

WARREN, WAYNE
Periodic-disturbance accommodating control of the space station for asymptotic momentum management
[NASA-CR-187264] 03 p0319 N91-11783

WARREN, WAYNE H., JR.
Lowell proper motion survey: Southern Hemisphere (Giclas, Burnham, and Thomas 1978). Documentation for the machine-readable version
[NASA-TM-105069] 21 p3605 N91-30060
The US Naval Observatory Zodiacal Zone Catalog (Douglas and Harrington 1990): Documentation for the machine-readable version
[NASA-TM-105050] 22 p3771 N91-31030
Lick Saturn-Voyager reference star catalogue (Klemola, Taraji, and Ocampo 1979): Documentation for the machine-readable version
[NASA-TM-105047] 22 p3772 N91-31031
Lick Jupiter-Voyager reference star catalogue (Klemola, Morabito, and Taraji 1978): Documentation for the machine-readable version
[NASA-TM-105092] 22 p3772 N91-31032
A catalog of stellar spectrophotometry (Adelman, et al. 1989): Documentation for the machine-readable version
[NASA-TM-105045] 22 p3772 N91-31033
Fifth Fundamental Catalogue (FK5). Part 1: Basic fundamental stars (Fricke, Schwan, and Lederle 1988): Documentation for the machine-readable version
[NASA-TM-105043] 22 p3772 N91-31034
Second catalog of interferometric measurements of binary stars (McAlister and Hartkopf 1988): Documentation for the machine-readable version
[NASA-TM-105065] 22 p3772 N91-31035
Smithsonian Astrophysical Observatory (SAO) star catalog (Sao staff 1966, edition ADC 1989): Documentation for the machine-readable version
[NASA-TM-105064] 22 p3772 N91-31036
Southern Durchmusterung (Schoenfeld 1886): Documentation for the machine-readable version
[NASA-TM-105062] 22 p3772 N91-31037
Bonner Durchmusterung (Argelander 1859-1862): Documentation for the machine-readable version
[NASA-TM-105061] 22 p3773 N91-31038
A compilation of redshifts and velocity dispersions for Abell clusters (Struble and Rood 1987): Documentation for the machine-readable version
[NASA-TM-105060] 22 p3773 N91-31039
A search for ultraviolet-excess objects (Kondo, Noguchi, and Maehara 1984): Documentation for the machine-readable version
[NASA-TM-105057] 22 p3773 N91-31040
A multiplet table for Mn I (Adelman, Svatek, Van Winkler, Warren 1989): Documentation for the machine-readable version
[NASA-TM-105067] 22 p3773 N91-31041
Catalog of SAS-2 gamma-ray observations (Fichtel, et al. 1990)
[NASA-TM-105053] 22 p3777 N91-31068

The HEAO A-1 x ray source catalog (Wood et al. 1984): Documentation for the machine-readable version
[NASA-TM-105051] 22 p3777 N91-31069

WARREN, WAYNE N., JR.
An atlas of stellar spectra between 2.00 and 2.45 micrometers (Arnaud, Gilmore, and Collier Cameron 1989)
[NASA-TM-105044] 23 p3937 N91-32003

WARRIOR, N. A.
The prediction of stress intensity factors by three-dimensional photoelasticity
22 p3692 N91-30555

WARSHAW, S. I.
Evaluation of charged-particle reactions for fusion applications
[DE91-014135] 20 p3419 N91-28962

WARSHAWSKY, A. S.
Effectiveness of tiltrotor support to ground combat
[DE91-013603] 20 p3285 N91-28167

WARTENHORST, PIETER
Time to failure, time to repair and availability of a two-unit standby system with Markovian degrading units
[CWI-BS-R9007] 04 p0533 N91-12958
Bounds for the internal availability distribution
[CWI-BS-R9031] 17 p2848 N91-25746

WARTHEN, B.
A microwave interferometer to measure particle and shock velocities simultaneously
[DE91-013077] 20 p3349 N91-28545

WARWICK, D. T.
X ray reflectivity measurements of surface roughness using energy dispersive detection
[DE91-004819] 09 p1399 N91-17700

WAS, G. S.
Ion-induced grain growth in multilayer and coevaporated metal alloy thin films
[DE91-004489] 06 p0810 N91-14472
Application of a thermal spike model to experimental ion-induced grain growth data
[DE91-017320] 24 p4112 N91-32981

WAS, GARY S.
Ion beam modification of surface for improved high temperature performance
[AD-A228067] 08 p1134 N91-16243
The role of grain boundary chemistry and structure in the environmentally-assisted intergranular cracking of nickel-base alloys
[DE91-004588] 09 p1312 N91-17203
Thermal spike model of ion-induced grain growth
[DE91-006571] 10 p1499 N91-18252

WASBERG, CARL ERIK
Gravity waves excited by flow over an obstacle
[FFI-90/7017] 05 p0688 N91-13828

WASCHER, W. W.
Migration and generation of contaminants from launch through recovery: LDEF case history
16 p2706 N91-24977

WASHABAUGH, PETER D.
An experimental investigation of mode-I crack tip deformation 09 p1352 N91-17424

WASHBURN, J.
A correlation between T(sub 3) and electronegativity difference in high-temperature superconductors
[DE90-016640] 01 p0131 N91-10775
Spectrum required for HF broadcasting
[PB91-151860] 16 p2617 N91-24487
Thin film alloys on semiconductor substrates
[DE91-012355] 18 p3073 N91-26985

WASHER, W. W.
LDEF contaminants analysis data
16 p2707 N91-24978

WASHIMI, HARUICHI
Helical field effect in solar/stellar wind
20 p3411 N91-28912

WASHINGTON, W. M.
Enhanced research program on the long-range climatic effects of increased atmospheric carbon dioxide: A continuation
[DE91-010617] 17 p2807 N91-25519

WASHLOCK, PAUL A.
Transport and nucleation processes in the vapor growth of diamond
[AD-A232135] 15 p2517 N91-23953

WASIELEWSKI, M. R.
Efficient photoinduced charge separation and storage in the solid state, rates, energetics, and spin-polarization
[DE91-010727] 18 p3073 N91-26980
Photoinduced charge separation and recombination: The influence of medium on rates and energetics
[DE91-010267] 19 p3240 N91-27920

WASIKOWSKI, MARK EDWARD
An investigation of helicopter individual blade control using optimal output feedback 07 p0946 N91-15184

WASKEY, J. P.
Procedure for a drop tower testing of shallow cracked single edge notched band specimens
[AD-A226382] 04 p0537 N91-12976

WASSEL, ANTHONY B.
Commercial aircraft and the environment
[PNR-90687] 02 p0234 N91-11307

WASSERBAUER, C. A.
NASA low-speed centrifugal compressor for 3-D viscous code assessment and fundamental flow physics research
[NASA-TM-103710] 12 p1828 N91-20044
The NASA Lewis Research Center Internal Fluid Mechanics Facility
[NASA-TM-105187] 22 p3624 N91-30163

WASSERFUHR, C. H.
The influence of small SO2 contents on the corrosion behavior for NiCrAl alloys in temperature zone from 1000 to 1100 C
[JUEL-2362] 08 p1116 N91-16134

WASSERSTEIN, MICHAEL
Temporal and spatial correlations in images distorted by a random medium
[ITN-91-85107] 18 p3065 N91-26935

WASSGREN, CARL
Intrepid: A mission to Pluto 08 p1101 N91-16047

WASSOM, STEVEN R.
Optimal rocket motor design and control for tactical missiles 08 p1104 N91-16062

WASSON, DOUGLAS J.
Effect of thickness and brand of metal ceramic porcelain on color
[AD-A239398] 23 p3820 N91-31312

WASZAK, MARTIN R.
Design and test of three active flutter suppression controllers 14 p2230 N91-22334

WATANABE, AKIRA
Configuration, function and performance of the flight simulation test facility and its motion simulation system
[NAL-TM-575] 01 p0013 N91-10080
Function and performance of visual simulation unit of flight simulation test facility
[NAL-TM-581] 01 p0013 N91-10082
Flight simulator evaluation test of multi-functional display unit
[NAL-TM-596] 02 p0182 N91-11026

WATANABE, ATSUTARO
Specific impulse comparison of high density hydrocarbon fuel burned with oxygen
[NAL-TR-1053] 01 p0025 N91-10148

WATANABE, H.
Radio Frequency (RF) heated supersonic flow laboratory
[DE90-012099] 22 p3623 N91-30157

WATANABE, H. H.
An experimental investigation of the properties of a non-reacting, supersonic shear layer
[DE91-005856] 10 p1462 N91-18061
Supersonic combustion of a transverse injected H2 jet in a radio frequency heated flow
[DE91-014739] 21 p3476 N91-29281

WATANABE, HIROYUKI
Single board system for fuzzy inference
13 p2140 N91-21784

WATANABE, J.
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015

WATANABE, K.
Anomalous transport studies for heliotron/torsatron
10 p1600 N91-18823
Self-organizing processes in magnetically confined plasma 20 p3406 N91-28883
Edge anomalous transport in heliotron/torsatron
20 p3408 N91-28892
Computer simulation of solar wind-magnetosphere interaction 20 p3410 N91-28904
Shock and soliton structures induced by poloidal flow in tokamaks 20 p3414 N91-28929
A global simulation of the magnetosphere with a long tail: Southward and northward IMF
[NIFS-99] 24 p4043 N91-32592

WATANABE, KATSUTOSHI
Effects of environment and aging on creep properties of Alloy 800H
[DE90-520207] 02 p0197 N91-11106

WATANABE, KAZUYA
The role of shear in the cosmological distance
[DE90-513788] 02 p0292 N91-11636
Observational relations in model universes dominated by domain-wall-like matter
[DE91-744969] 11 p1818 N91-19988

WATANABE, MITSUO
Axial thrust balancing of small high-speed high-pressure rocket pumps
[NAL-TR-1090] 17 p2783 N91-25400

WATANABE, SHIZUI
Numerical simulation of hydrogen-oxygen chemical reactions in annular combustion chamber
04 p0464 N91-12594

WATANABE, T.
Nonlinear computer analysis of backward wave oscillator 20 p3413 N91-28923
Structures of magnetic field lines in the helical torus
20 p3414 N91-28932

WATANABE, TOSHINORI
A numerical analysis of the flow in a cascade with tip clearance 04 p0454 N91-12536
Numerical simulation of the flowfield through a turbine blade row with tip clearance 04 p0454 N91-12537

WATANABE, TSUGUHIRO
Axial pressure profile effects on flute interchange stability in the tandem mirror GAMMA 10
[NIFS-98] 24 p4104 N91-32934

WATERBURY, S.
An overview of the NASA electronic components information management system
24 p4002 N91-32369

WATERMANN, JUERGEN
Joule heating investigations using the sondrestrom radar and DMSP satellites
[AD-A227425] 06 p0847 N91-14677
MITHRAS studies of the auroral oval and polar cap
[AD-A232975] 16 p2657 N91-24701

WATERS, JOHN F.
Long term isothermal aging and thermal analysis of N-CYCAP polyimides
[NASA-TM-104341] 17 p2761 N91-25286

WATERS, THOMAS A.
Block patterning of the metallization of polyvinylidene fluoride transducers
[AD-D014872] 18 p2979 N91-26450

WATERS, W. M.
A high data rate communications system using long pulses
[AD-D014947] 21 p3501 N91-29430

WATKINS, A. D
Heat and mass transfer in the gas tungsten and gas metal arc welding processes
[DE91-010089] 15 p2439 N91-23510

WATKINS, ARTHUR D.
The dynamics of droplet formation and detachment in gas metal arc welding
[DE91-006130] 10 p1531 N91-18437
A model-based approach to intelligent control of gas metal arc welding
[DE91-006170] 10 p1532 N91-18439

WATKINS, D. E.
Nonlinear optical absorption in intrinsic Stark effect superlattices
[DE90-016466] 01 p0130 N91-10767
Photoabsorption modulation in GaAs: Ga(1-x)In(x) as strained-layer superlattices
[DE91-000440] 04 p0591 N91-13301

WATKINS, J. A.
Heat and mass transfer in the gas tungsten and gas metal arc welding processes
[DE91-010089] 15 p2439 N91-23510

WATKINS, J. C.
R5FORCE/MOD3s: A program to compute fluid induced forces using hydrodynamic output from the RELAP5/MOD3 code
[DE91-006209] 10 p1524 N91-18393

WATKINS, J. G.
Ion beam testing of the Aerolor X-point dump plate for the Joint European Torus
[DE91-010719] 15 p2393 N91-23245

WATKINS, JAMES J.
Supercritical fluid processing of propellant polymers
[AD-A234285] 18 p2961 N91-26341

WATKINS, MARCUS A.
Enhancing space transportation: The NASA program to develop electric propulsion
[NASA-TM-4244] 11 p1666 N91-19181

WATKINS, MICHAEL MULLEN
Tracking station coordinates and their temporal evolution as determined from laser ranging to the Lageos satellite
07 p0939 N91-15144

WATKINS, PAUL J.
New research on bioregenerative air/water purification systems 15 p2537 N91-24053

WATKINS, R. D.
Development of diode laser-ignited pyrotechnic and explosive components
[DE90-011238] 09 p1319 N91-17245
Interactions at glass-ceramic to metal interfaces
[DE91-006630] 10 p1495 N91-18231
Interfacial debonding in stainless steel/glass-ceramic seals
[DE91-011326] 17 p2763 N91-25295

WATKINS, R. E. J.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292
WATKINS, RICHARD
Aspects of reheating in first-order inflation [NASA-CR-188705] 20 p3443 N91-29108
WATSON, ANDREW
The Cortex Transform as an image preprocessor for sparse distributed memory: An initial study [NASA-CR-187436] 24 p4081 N91-32798
WATSON, ANDREW I.
Surface wind convergence as a short-term predictor of cloud-to-ground lightning at Kennedy Space Center: A four-year summary and evaluation 24 p4064 N91-32703
WATSON, CHARLES S.
Institute for the Study of Human Capabilities: Summary descriptions of research for the period December 1989 through September 1990 [AD-A237767] 21 p3550 N91-29726
WATSON, CRIS A.
Effects of metal contamination on hydroxylammonium nitrate-based liquid monopropellants [AD-A229177] 09 p1320 N91-17248
WATSON, DEBORAH KAY
Resonance energies and widths from the poles of the multichannel T matrix [AD-A229064] 09 p1396 N91-17684
WATSON, G. C.
Embedding ADAMS in FORTRAN [DE91-014346] 20 p3385 N91-28754
WATSON, JIMMY D.
Next-generation fire extinguishing agent, phase 3 [AD-A230619] 12 p1880 N91-20333
WATSON, K.
Some comments on the acoustic coupling of elements in an array [AD-A227762] 08 p1134 N91-16239
WATSON, KAREN
Implementation strategies for load center automation on the space station module/power management and distribution testbed 10 p1635 N91-19019
WATSON, LYN R.
Laboratory study of the thermochemical properties of materials used in spacecraft [AD-A232124] 15 p2390 N91-23228
WATSON, P. D.
Performance of underwater weldments [PB91-129254] 11 p1717 N91-19452
WATSON, R. D.
Ion beam testing of the Aerolor X-point dump plate for the Joint European Torus [DE91-010719] 15 p2393 N91-23245
The effects of neutron irradiation on the structure of carbon-carbon composites [DE91-010135] 19 p3117 N91-27222
WATSON, R. E.
First principles simulations of metallic alloys and liquids [DE91-015171] 21 p3483 N91-29323
Monte Carlo and mean field calculations of the magnetocaloric effect of ferromagnetically interacting clusters [DE91-014792] 21 p3572 N91-29859
WATSON, R. L.
Excitation of atoms and molecules in collisions with highly charged ions [DE91-010740] 15 p2504 N91-23870
WATSON, R. T.
The atmospheric effects of stratospheric aircraft: A topical review [NASA-RP-1250] 08 p1174 N91-16466
WATSON, ROBERT A.
Hierarchic extensions in the static and dynamic analysis of elastic beams 21 p3531 N91-29613
WATSON, STEPHEN J.
Experimental studies of circular viscoelastic waveguide absorbers for passive structural damping [AD-A225409] 03 p0382 N91-12133
WATSON, VAL
Visualization of fluid dynamics at NASA Ames 02 p0154 N91-10895
WATT, D. G. D.
MIT/Canadian vestibular experiments on the Spacelab-1 mission. Part 1: Sensory adaptation to weightlessness and readaptation to one-g: An overview 17 p2821 N91-25587
WATT, DAVID
Infrared thermal imaging of atmospheric turbulence 03 p0304 N91-11693
WATT, GEORGE D.
Correcting wind tunnel force measurements for wind loading deflections of the model [DREA-89-225] 22 p3612 N91-30091
WATT, GEORGE WILLIAM
Characterization of welded HP 9-4-30 steel for the advanced solid rocket motor 10 p1635 N91-19020
WATT, R. G.
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign [DE91-000887] 04 p0530 N91-12941
Recent laser experiments on the Aurora KrF/ICF laser system [DE91-008607] 12 p1906 N91-20486
WATTEL, E.
Systematic computations on Gauss' lattice point problem (in commemoration of Johannes Gaultherus van der Corput, 1890-1975) [CWI-AM-R9008] 03 p0402 N91-12238
WATTS, ALAN J.
LDEF data correlation to existing NASA debris environment models 16 p2712 N91-25011
WATTS, ALAN W.
The use of searching algorithms for the minimization of multi-valued logic functions [AD-A238018] 21 p3556 N91-29763
WATTS, D. R.
The SYNOP experiment: Inverted echo sounder data report for June 1989 to September 1990 [AD-A234625] 18 p3018 N91-26662
WATTS, D. RANDOLPH
The SYNOP experiment: Inverted echo sounder data report for October 1987 to May 1988 [AD-A227232] 06 p0851 N91-14699
WATTS, DAVID EDWARD
Finite element-based system identification from experimental modal analysis results 21 p3531 N91-29618
WATTS, ETHEL J.
Garment selection for cleanrooms and controlled environments for spacecraft [AD-A239512] 23 p3906 N91-31805
WATTS, J. W.
Characteristics of trapped proton anisotropy at Space Station Freedom altitudes [NASA-CR-184061] 07 p1082 N91-15953
WATTS, JOHN D.
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3 [NASA-TM-103391] 08 p1221 N91-16728
WATTS, JOHN W., JR.
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu [NASA-CR-188211] 16 p2705 N91-24970
The ionizing radiation environment of LDEF prerecovery predictions 16 p2707 N91-24980
Charged particle LET-spectra measurements aboard LDEF 16 p2709 N91-24989
Radiation exposure of LDEF: Initial results 16 p2709 N91-24993
WATTS, MICHAEL E.
ALDAS user's manual [NASA-TM-102831] 16 p2667 N91-24757
WATTS, N.
Safety analysis applied to test/verification of ESA space systems 07 p0951 N91-15222
WAUCHOPE, KENNETH
A tandem semantic interpreter for incremental parse selection [AD-A227743] 07 p1049 N91-15758
WAVERING, A. J.
Recommended fine positioning test for the Development Test Flight (DTF-1) of the NASA Flight Telerobotic Servicer (FTS) [NASA-CR-188683] 19 p3177 N91-27565
WAWERSIK, W. R.
Constitutive modeling of salt behavior: State of the technology [DE91-017459] 24 p3974 N91-32199
WAWNER, F. E.
Investigation of the effect of thermal exposure on the mechanical properties of titanium/SiC composites 19 p3130 N91-27293
WAWNER, FRANKLIN E., JR.
NASA-UVA light aerospace alloy and structures technology program [NASA-CR-187321] 06 p0810 N91-14474
NASA-UVa light aerospace alloy and structures technology program [NASA-CR-187895] 09 p1313 N91-17209
WAXMAN, ALLEN M.
Parametric study of diffusion-enhancement networks for spatiotemporal grouping in real-time artificial vision [AD-A239674] 23 p3928 N91-31954
WAY, T. C.
3-D imagery cockpit display development [AD-A226411] 04 p0481 N91-12680
WAYE, D. E.
Design and performance of a parachute for the recovery of a 760-lb payload [DE91-007509] 12 p1830 N91-20059
WAYLAND, B. B.
Catalytic hydrogenation of carbon monoxide [DE91-015452] 21 p3477 N91-29283
WAYNER, P. C., JR.
Microcomputer enhanced optical investigation of spreading and evaporative processes in ultra thin films [DE91-005592] 10 p1608 N91-18875
Transport processes and interfacial phenomena in an evaporating meniscus [DE91-005561] 18 p2951 N91-26284
WAYNER, PETER C., JR.
Effect of interline heat flow parameter on contact line heat transfer [AD-A226944] 06 p0826 N91-14566
WDOWIAK, THOMAS J.
PAH in the laboratory and interstellar space 06 p0893 N91-14936
WDOWINSKI, SHIMON
Continuum models of continental deformation 08 p1179 N91-16490
WEADOCK, ANTHONY A.
Implications of the Biological Effects of Ionizing Radiation (BEIR) 5 report to the Department of Energy [DE90-016673] 02 p0272 N91-11526
WEAGLEY, R. J.
Phenomena affecting morphology of microporous poly(acrylonitrile) prepared via phase separation from solution [DE91-004501] 11 p1687 N91-19297
WEAR, STEVEN M.
Shift-invariant image reconstruction of speckle-degraded images using bispectrum estimation [AD-A227726] 08 p1126 N91-16188
WEATHERFORD, CHARLES A.
The prediction of pseudo-resonance positions in the Schwinger variational principle 19 p3268 N91-28077
WEATHERS, ANNA GILSON
Creating algorithms as an aid to judgment, part 2 [AD-A225698] 04 p0561 N91-13113
WEAVER, A.
Vibrationally resolved photoelectron spectra of Si3 and Si4 [AD-A225383] 03 p0339 N91-11901
WEAVER, ALFRED C.
An implementation and analysis of the Abstract Syntax Notation One and the basic encoding rules [NASA-CR-187409] 04 p0560 N91-13105
The Xpress Transfer Protocol (XTP): A tutorial (short version) [NASA-CR-188086] 12 p1961 N91-20795
The Xpress Transfer Protocol (XTP): A tutorial (expanded version) [NASA-CR-188085] 12 p1962 N91-20796
Issues in providing a reliable multicast facility [NASA-CR-188089] 13 p2070 N91-21403
Experience with abstract notation one [NASA-CR-188090] 13 p2133 N91-21741
Documentation for the token ring network simulation system [NASA-CR-188093] 13 p2141 N91-21789
XTP for the NASA space station [NASA-CR-188087] 13 p2168 N91-21966
Evaluation plan for space station network interface units [NASA-CR-188088] 14 p2233 N91-22352
WEAVER, F. J.
Models for heat transport through assemblies of uniform-diameter hollow spheres [DE91-012998] 20 p3343 N91-28512
WEAVER, H.
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987 [NASA-CR-187699] 08 p1176 N91-16472
WEAVER, H. T.
Single event upset hardening techniques [DE91-002337] 05 p0653 N91-13625
Optically-triggered GaAs thyristor switch s: Integrated structures for environmental hardening [DE91-001355] 06 p0824 N91-14553
Monolithically integrated GaAs thyristor-transistor as a hardened optically-triggered switch [DE91-000040] 07 p0999 N91-15486
WEAVER, HAROLD A.
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012
Limit on the CH4/CO ratio in Comet Levy (1990c) and comparisons with other comets 17 p2897 N91-26013
WEAVER, J. W.
Approximate multiphase flow modeling by characteristic methods [PB91-190959] 21 p3516 N91-29526

WEAVER, LAURA
Supercomputing power for interactive visualization
[AD-A236717] 19 p3230 N91-27858
WEAVER, M. J.
Solvent-dependent redox thermodynamics of metal amine complexes. The delineation of specific solvation effects
[AD-A237503] 21 p3475 N91-29272
Cyclic voltammetric wave-shapes for microdisk electrodes: Coupled effects of solution resistance, double-layer capacitance, and finite electrochemical kinetics
[AD-A237505] 21 p3505 N91-29455
The effects of donor-acceptor electronic interactions on the rates of gas-phase metallocene electron-exchange reactions
[AD-A237459] 21 p3574 N91-29878
Temperature dependence of proton electroreduction kinetics at gold(111) and (210) surfaces
[AD-A237460] 21 p3575 N91-29879
Solvent dynamical effects in electron transfer: The solvent inertial limit and the predicted influence of quantum effects
[AD-A237462] 21 p3575 N91-29880
Electron-transfer reactions at metal-solution interfaces: An introduction to some contemporary issues
[AD-A237506] 21 p3575 N91-29882
Comparisons between scanning tunneling microscopy and outer-sphere electron-transfer rates at Pt(111) surfaces coated with ordered iodine adlayers
[AD-A237507] 21 p3575 N91-29883
Atomic-resolution scanning tunneling microscopy and infrared spectroscopy as combined in-situ probes of electrochemical adlayer structure: Carbon monoxide on rhodium(111)
[AD-A237508] 21 p3575 N91-29884
The influence of potential on metal-adsorbate structure: Solvent-independent nature of infrared spectra for Pt(111)/CO
[AD-A237509] 21 p3596 N91-30004
WEAVER, R.
Sea ice-atmosphere interaction: Application of multispectral satellite data in polar surface energy flux estimates
[NASA-CR-187376] 05 p0680 N91-13782
WEBB, ANDREW R.
Functional approximation by feed-forward networks: A least squares approach to generalisation
[RSRE-MEMO-4453] 15 p2494 N91-23811
WEBB, B. J.
Design considerations for a ceramic fabric radiator
[DE90-016342] 01 p0029 N91-10173
The 0-G experiments with advanced ceramic fabric wick structures
[DE91-015531] 21 p3492 N91-29377
WEBB, BRENT J.
Advanced ceramic fabric body mounted radiator for Space Station Freedom Phase O design
[DE90-016361] 01 p0017 N91-10104
Construction and testing of ceramic fabric heat pipe with water working fluid
[NASA-TM-103332] 10 p1595 N91-18799
WEBB, GRAHAM
Cyclic deformation, damage, and effects of environment in the Ni3Al ordered alloy at elevated temperature
[AD-A235168] 18 p2954 N91-26304
WEBB, J.
Science observations with the IUE using the one-gyro mode 09 p1447 N91-17979
WEBB, JAMES T.
An annotated bibliography of hypobaric decompression sickness research conducted at the Crew Technology Division, USAF School of Aerospace Medicine, Brooks AFB, Texas from 1983 to 1988
[AD-A231355] 13 p2128 N91-21710
WEBB, ROBERT S.
A global data set of soil particle size properties
[NASA-TM-4286] 22 p3698 N91-30589
WEBB, STEVEN
Feedback control formulations for a complex flexible structure utilizing reaction mass actuators
[AD-A233636] 16 p2676 N91-24814
WEBB, WINSTON S.
Solder dross removal apparatus
[NASA-CASE-MFS-28406-1] 05 p0671 N91-13729
WEBBER, J. M. B.
NDT of CFRP structures: Evaluation of a new method 03 p0329 N91-11837
WEBBER, J. P. H.
Uncertainty reasoning applied to the assessment of composite material for structural design
[BU-405] 11 p1677 N91-19244
An expert system for laminated plate design using composite materials
[BU-406] 11 p1677 N91-19245
Minimum weight optimization of composite laminated struts
[BU-409] 11 p1677 N91-19246
A knowledge based expert system for laminated composite strut design
[BU-410] 11 p1678 N91-19247
A theoretical solution for the buckling of sandwich panels with laminated face plates using a computer algebra system
[BU-407] 11 p1723 N91-19486
WEBBER, S. E.
Polymers at liquid-liquid interfaces: Photophysics and photoredox chemistry
[DE91-005032] 08 p1119 N91-16151
WEBER, B. L.
Ocean surface current measurements with a single-station, Doppler/spaced-antenna radar
[PB91-142307] 16 p2661 N91-24722
WEBER, CHRISTOPH
Cockpit Mock Up (CMU): A design and development tool 07 p1044 N91-15730
WEBER, D. P.
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
Computer simulation and scientific visualization
[DE91-006394] 10 p1575 N91-18668
WEBER, DANIEL J.
Hot film velocity measurements downstream of a swept backward-facing step
[AD-A228713] 09 p1332 N91-17317
WEBER, E. J.
Planning for coordinated space and ground-based ionospheric modification experiments 10 p1552 N91-18535
WEBER, EICKE R.
Magnetic resonance of defects in hetero-epitaxial semiconductor structures
[AD-A230281] 12 p1988 N91-20941
Chemistry and defects in semiconductor heterostructures, volume 148
[AD-A229585] 22 p3758 N91-30949
WEBER, F.
Impact of the nuclear equation of state on models of rotating neutron stars
[DE91-014615] 20 p3446 N91-29125
WEBER, G. W.
Semi-infinite optimization: Structure and stability of the feasible stability
[MEMO-838] 04 p0574 N91-13191
WEBER, H. W.
Critical current densities in neutron irradiated high-T(sub c) single crystals
[DE90-017794] 03 p0421 N91-12355
Critical currents in sputtered YBCO films
[DE91-017976] 24 p4113 N91-32987
WEBER, IRENE
Using computer-generated protocols to study writers' planning strategies
[AD-A228875] 08 p1242 N91-16844
WEBER, J. K. RICHARD
NCTM of liquids at high temperatures using polarization techniques 13 p2061 N91-21345
Optical property measurements as a diagnostic tool for control of materials processing in space and on Earth 13 p2064 N91-21366
Containerless processing of amorphous ceramics 13 p2064 N91-21367
WEBER, JACOBUS HENDRICUS
Bounds and constructions for binary block codes correcting asymmetric or unidirectional errors
[ETN-90-98139] 03 p0408 N91-12278
WEBER, JOERG
Methods for the construction of constant curve free form surfaces
[ETN-90-97861] 02 p0262 N91-11463
WEBER, M.
VHF discharges in storm cells producing microbursts 24 p4049 N91-32620
WEBER, M. E.
Laser studies of the interaction of SiO with the surface of a thin film
[DE91-004562] 06 p0806 N91-14450
WEBER, M. J.
Spectroscopic properties of Nd3+ dopant ions in phosphate laser glass
[DE91-017665] 24 p4112 N91-32985
WEBER, P. G.
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
Fast electron studies in the ZT-40M edge plasma
[DE91-002323] 06 p0875 N91-14838
Small satellite radiometric measurements
[DE91-016308] 23 p3887 N91-31694
WEBER, PAUL G.
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739
WEBER, R. L.
Remote sensor observations during WISP90: The use of microwave radiometers, RASS, and ceilometers for detection of aircraft icing conditions
[PB91-131839] 14 p2291 N91-22670
WEBER, ROLF
Examination of the zinc diffusion in InP and InGaAs(P), as well as across InGaAs(P)-InP heterostructures
[ETN-91-98500] 07 p1074 N91-15912
WEBER, S.
The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752
WEBER, T. L.
Load response of horizontal-axis wind turbines to turbulence
[DE90-000375] 06 p0841 N91-14644
Analysis of a teetered, variable-speed rotor
[DE91-002190] 21 p3536 N91-29646
WEBER, W. J
Electrochemical processes at solid electrode-electrolyte-gas interfaces
[DE91-012922] 20 p3309 N91-28317
WEBER, W. J.
Advanced materials for high-temperature solid electrolyte applications
[DE90-016328] 01 p0024 N91-10143
Advanced materials and electrochemical processes in high-temperature solid electrolytes
[DE91-005181] 10 p1521 N91-18379
WEBER, WILLIAM F.
Volumetric measurement of tank volume
[NASA-CASE-MSC-21500-1] 13 p2088 N91-21493
WEBER, WILLIAM P.
Composite materials with improved properties in compression
[AD-A235954] 19 p3119 N91-27230
Mechanism of anionic ring-opening polymerization of silacyclopent 3-enes
[AD-A237538] 21 p3488 N91-29353
WEBSTER, C. E.
Status of Argonne life evaluation of valve regulated lead-acid batteries
[DE90-011098] 08 p1132 N91-16229
Performance and life evaluation of advanced battery technologies for electric vehicle applications
[DE91-015671] 21 p3509 N91-29482
WEBSTER, G. A.
Neutron diffraction determination of the residual stress redistribution in cracked autofrettaged tubing
[DE91-013688] 20 p3363 N91-28632
WEBSTER, JOHN R.
Vibro-acoustic emission rubbing sources
[PNR-90730] 01 p0057 N91-10336
WEBSTER, KENNETH
Monitoring and analysis of data from complex systems 14 p2357 N91-23035
WEBSTER, P. J.
Neutron diffraction determination of the residual stress redistribution in cracked autofrettaged tubing
[DE91-013688] 20 p3363 N91-28632
WEBSTER, PETER J.
Determination and impact of surface radiative processes for TOGA COARE 19 p3182 N91-27599
WEBSTER, R. B.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
Droplet shattering, vaporization, and recondensation in cloud clearing with long pulse infrared chemical lasers
[DE90-010584] 08 p1152 N91-16343
WEBSTER, ROBIN L.
Reliability/Maintainability/Logistics support analysis Computer Aided Tailoring Software Program (R/M/L CATSOP)
[AD-A226820] 08 p1199 N91-16588
WEBSTER, STEVE L.
Geogrid reinforced base course for flexible pavements for light aircraft: Literature review and test section design
[DOT/FAA/RD-90/28] 18 p2929 N91-26160
WEDAN, BRUCE W.
Recent advances in Runge-Kutta schemes for solving 3-D Navier-Stokes equations 02 p0145 N91-10851
WEDDENDORF, BRUCE
Double face sealing device
[NASA-CASE-MFS-28521-1] 18 p2995 N91-26542
WEDGE, R. H.
Total quality management at Rolls-Royce PLC
[PNR-90759] 01 p0050 N91-10298

WEDIG, W. V.
Computer-controlled noise adaption for acoustical test facilities 07 p0954 N91-15248
WEDZINGA, G.
Application of the PROMISE package for simulation of discrete systems
[NLR-MP-88048-U] 22 p3733 N91-30788
WEE, LIANG-BOON
Adaptive control of space based robot manipulators 12 p1936 N91-20649
WEEKS, B.
Coding for frequency hopped spread spectrum satellite communications
[ECE-89-1] 21 p3496 N91-29398
WEEKS, JACK L.
Arc/gas electrode
[NASA-CASE-MFS-29766-1] 17 p2771 N91-25335
WEEKS, R. A.
Laser-induced fluorescence and nonlinear optical properties of ion-implanted fused silica
[DE91-004523] 09 p1317 N91-17232
WEEMS, J.
Assessment and forecasting of lightning potential and its effect on launch operations at Cape Canaveral Air Force Station and John F. Kennedy Space Center 24 p4064 N91-32704
WEERTMAN, J. R.
Use of anomalous small angle x ray scattering to investigate microstructural features in complex alloys
[DE91-002397] 06 p0810 N91-14471
Tensile strength and creep resistance in nanocrystalline Cu, Pd, and Ag
[DE91-006416] 10 p1499 N91-18248
Mechanical behavior of nanocrystalline metals
[DE91-006422] 10 p1501 N91-18260
Mechanical behavior of nanocrystalline Cu, Pd, and Ag samples
[DE91-011747] 18 p2955 N91-26310
WEERTMAN, JULIA R.
Tailored interfaces for metal-matrix composites: Fundamental considerations
[AD-A229143] 09 p1304 N91-17158
WEESNER, RONALD G.
Space shuttle main engine: Certification for manned space flight 20 p3301 N91-28270
WEETER, RICHARD D.
An experimental evaluation of the cueing procedures used with the pilot's line-of-sight reticle
[AD-A224935] 03 p0397 N91-12206
WEFEL, JOHN P.
A critical review of charged particle astronomy at Saturn: The evidence for co-orbiting material in the inner satellite system
[NASA-CR-187348] 05 p0732 N91-14090
Spectra, composition and interactions of nuclei above 10 TeV using magnet-interferometric chambers (SCIN/MAGIC)
[NASA-CR-188218] 16 p2682 N91-24846
Cosmic ray positron research and silicon track detector development
[NASA-CR-187708] 19 p3265 N91-28059
WEGENER, STEVEN
Science requirements and feasibility/design studies of a very-high-altitude aircraft for atmospheric research 17 p2799 N91-25481
High altitude aircraft direction using real-time scientific analysis of telemetered data 17 p2800 N91-25489
WEGER, PETER
EFA development: Key technology and design features
[MBB/FE44/S/PUB/0402] 03 p0312 N91-11749
WEGMAN, EDWARD J.
Hyperdimensional data analysis and structural inference
[AD-A238097] 21 p3556 N91-29764
WEGMANN, HELMUT
Optimal observation directions for estimating a vector
[PREPRINT-1285] 11 p1785 N91-19796
WEGNER, G.
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A 09 p1442 N91-17949
WEGNER, P. J.
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems
[DE91-011524] 17 p2781 N91-25390
Precision high-power solid-state laser diagnostics for target-irradiation studies and target-plane irradiation modeling
[DE91-012036] 18 p2992 N91-26523
WEHINGER, PETER A.
Workshop on Observations of Recent Comets (1990)
[NASA-CR-188960] 12 p2001 N91-21012
Carbon isotopes in comets 12 p2005 N91-21034
Spectra of comet P/Halley at R = 4 - 8 AU 17 p2897 N91-26014
WEHLITZ, P.
Propfan technology 03 p0309 N91-11730
WEHR, P.
Alloy formation (TEXUS 5) 23 p3837 N91-31398
WEHRLE, B.
Calculation of pressure distribution in vacuum systems using a commercial finite element program
[DE91-013611] 20 p3363 N91-28629
WEHRLE, DAVID
A preliminary characterization of applied-field MPD thruster plumes
[NASA-CR-187165] 22 p3630 N91-30201
WEHRMEYER, J. A.
Laser Raman diagnostics in subsonic and supersonic turbulent jet diffusion flames
[NASA-CR-188172] 14 p2244 N91-22411
WEHRSE, R.
Model atmospheres for the early stages of novae in outburst 09 p1442 N91-17948
WEI, CAI
On one-sided filters for spectral Fourier approximations of discontinuous functions
[NASA-CR-187541] 13 p2143 N91-21801
WEI, R.
A tribological investigation of the graphite-to-diamond-like behavior of amorphous carbon films ion-beam-deposited on ceramic substrates
[DE91-010816] 18 p2967 N91-26379
WEI, T. Y. C.
A first-principles generic methodology for representing the knowledge base of a process diagnostic expert system
[DE90-017693] 15 p2441 N91-23520
WEI, XUELI
The segregation behavior of AlBi, AlPb and AlIn monotectic alloys for different coding under gravity 14 p2335 N91-22909
WEI, YEN
Synthesis, polymerization and thermal properties of a new acetylene-terminated Schiff base
[AD-A233806] 18 p2959 N91-26328
Thermal transitions and mechanical properties of the films of chemically prepared polyaniline
[AD-A233807] 18 p2959 N91-26329
WEIDENSCHILLING, STUART J.
Formation of planetesimals 14 p2345 N91-22967
WEIDERMAN, NELSON
Hartstone benchmark results and analysis
[AD-A226817] 08 p1198 N91-16587
Hartstone benchmark user's guide, version 1.0
[AD-A235740] 19 p3220 N91-27800
WEIDNER, E. H.
Flow establishment in a generic scramjet combustor
[NASA-CR-187467] 05 p0657 N91-13649
WEIDNER, JOHN
Tests in helium illustrate high Mach number inlet-forebody interactions 17 p2772 N91-25338
WEIDOW, DAVID
The cleanroom case study in the Software Engineering Laboratory: Project description and early analysis
[NASA-TM-103390] 09 p1379 N91-17584
WEIGELT, G. P.
A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST)
[ESA-SP-1135] 07 p1068 N91-15873
WEIGWIESER, C.
Interior noise control program for the advanced commuter aircraft Dornier 328 and first results 03 p0307 N91-11717
WEIHS, TIMOTHY PATRICK
The development and analysis of new techniques for measuring the strength and stiffness of thin films and the sliding resistance of stiff fibers in a ceramic matrix 14 p2275 N91-22584
WEIJERS, H. M.
Some applications of X-ray photoelectron spectroscopy and secondary-ion mass spectroscopy 23 p3941 N91-32029
WEIJTENS, CHRISTIANUS HERMANUS L.
Indium tin oxide for solid-state image sensors
[ETN-91-98932] 11 p1811 N91-19949
WEIL, JOHN V.
Sleep disturbances at high altitude. Role of a PCO2 apneic threshold
[AD-A229426] 22 p3716 N91-30680
WEIL, MELINDA L.
Preliminary results of radiation measurements from the marine stratus FIRE experiment 01 p0091 N91-10529
WEIL, R.
Properties of composite electrodeposits
[AD-A228079] 07 p0972 N91-15339
WEILAND, T. L.
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems
[DE91-011524] 17 p2781 N91-25390
Determination of SBS induced damage limits in large fused silica optics for intense, time varying laser pulses
[DE91-012080] 18 p2991 N91-26518
WEILER, J. D.
Resource envelope concepts for mission planning
[NASA-TP-3139] 21 p3464 N91-29209
WEIMER, C. S.
Trapped-ion frequency standards 17 p2851 N91-25760
WEIMER, J. J.
Chemical analysis of metal and polymer surfaces on the front and rear LDEF 16 p2714 N91-25023
Interactions of atomic oxygen with material surfaces in low Earth orbit: Preliminary results from experiment A0114 16 p2714 N91-25025
WEIN, JOEL
On-line scheduling of parallel machines
[AD-A230070] 12 p1963 N91-20799
On the massively parallel solution of the assignment problem
[AD-A230847] 13 p2139 N91-21775
WEIN, M.
Using the Harmony operating system: Release 3.0
[ERA-377] 21 p3562 N91-29799
WEINACHT, PAUL
Navier-Stokes predictions of static and dynamic aerodynamic derivatives for high L/D finned projectiles 06 p0774 N91-14295
WEINBERG, AARON
The data distribution satellite system
[NASA-CR-187172] 23 p3856 N91-31499
WEINBERG, F. J.
Laser initiated ignition of liquid propellant
[AD-A233777] 18 p2968 N91-26388
WEINBERG, I.
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion 22 p3631 N91-30206
Effect of dislocations on properties of heteroepitaxial InP solar cells 22 p3632 N91-30209
Comparative modeling of InP solar cell structures 22 p3636 N91-30232
WEINBERG, IRVING
Effects of proton irradiation on the performance of InP/GaAs solar cells 11 p1670 N91-19205
Key factors limiting the open circuit voltage of n(+)pp(+) indium phosphide solar cells 11 p1671 N91-19206
Determination of series resistance of indium phosphide solar cells 11 p1671 N91-19207
Investigation of anodic and chemical oxides grown on p-type InP with applications to surface passivation for n(+)-p solar cell fabrication 11 p1671 N91-19208
Indium phosphide solar cells 11 p1673 N91-19221
Heteroepitaxial InP solar cells on Si and GaAs substrates
[NASA-TM-103696] 12 p1890 N91-20392
Recent progress in InP solar cell research
[NASA-TM-104509] 19 p3156 N91-27447
Thin solar cell and lightweight array
[NASA-CASE-LEW-14959-1] 19 p3185 N91-27614
High resolution electrolyte for thinning InP by anodic dissolution and its applications to EC-V profiling, defect revealing and surface passivation 22 p3632 N91-30210
A theoretical comparison of the near-optimum design and predicted performance of n/p and p/n indium phosphide homojunction solar cells 22 p3636 N91-30233
Advanced power systems for EOS
[NASA-TM-105222] 23 p3804 N91-31217
WEINBERG, JERRY L.
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
WEINBERG, MICHAEL C.
Containerless synthesis of interesting glasses 13 p2060 N91-21340
WEINBERG, NORMAN S.
Icing test capabilities for aircraft propulsion systems at the Arnold Engineering Development Center 23 p3795 N91-31170
WEINBERG, R. P.
COLDEX-86: Summary of the experimental protocol and general results
[AD-A234031] 18 p3028 N91-26715
WEINBERG, ROBERT P.
Effects of hand and foot heating on diver thermal balance
[AD-A226430] 04 p0552 N91-13064

WEINBERG, S.
Ultrox international ultraviolet radiation/oxidation technology: Applications analysis report
[PB91-129759] 17 p2806 N91-25512
WEINBERG, W. H.
Adsorption and decomposition of acetylene on Si(100)-(2x1)
[AD-A233808] 18 p2945 N91-26248
WEINBERGER, B. R.
Phenomenology of forces acting between magnets and superconductors
[DE90-017864] 02 p0265 N91-11487
Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800
WEINBERGER, NORMAN M.
Mechanisms of adaptive information processing
[AD-A234435] 18 p3031 N91-26734
WEINBERGER, PETER J.
Electromagnetic/electrothermal gun technology development
[AD-A236493] 19 p3109 N91-27174
WEINER, ALLAN M.
Initialization of cloud and radiation in the Florida State University global spectral model
[AD-A232425] 15 p2469 N91-23682
WEINER, ALLAN MEREDITH
Initialization of cloud and radiation in the Florida State University global spectral model
20 p3376 N91-28703
WEINER, BRAD R.
Collision induced electronic quenching of aluminum monoxide
[AD-A236681] 19 p3127 N91-27276
The laser ablation of aluminum at 193, 248, and 351 nm
[AD-A237574] 21 p3523 N91-29569
WEINER, DONALD
Numeric and symbolic signal processing for very high subclutter visibility
[AD-A228812] 08 p1129 N91-16207
WEINER, E. O.
Pre-test analysis of a pipe system for high-level vibration response and failure
[DE91-010835] 17 p2791 N91-25441
WEINER, J. H.
Basic research on macromolecular dynamics
[PB91-185033] 22 p3752 N91-30917
WEINER, K. H.
Laser processing of Silicon On Sapphire (SOS) for fabrication of bipolar transistors
[AD-A233390] 16 p2621 N91-24511
WEINER, M. M.
Noise factor and antenna gains in the signal/noise equation for over-the-horizon radar
[AD-A231203] 13 p2073 N91-21416
Electrically-small quarter-wave, and resonant monopole elements with disk ground plans in free space
[AD-A233062] 16 p2620 N91-24507
Input impedance and gain of monopole elements with disk ground planes on flat earth
[AD-A234284] 18 p2974 N91-26421
WEINER, R.
The linearly implicit Euler method for quasi-linear parabolic differential equations
[CWI-NM-R9002] 02 p0260 N91-11451
WEINER, STEPHEN P.
Cryogenic Orbital Nitrogen Experiment (CONE): Phase A/B design study
[NASA-CR-187230] 24 p3968 N91-32166
WEINERT, HOWARD L.
Smoothing for multipoint boundary value models
[AD-A224917] 03 p0410 N91-12292
WEINERT, M.
First principles simulations of metallic alloys and liquids
[DE91-015171] 21 p3483 N91-29323
WEINREICH, HERMANN-L.
Highly integrated ducted rocket propulsion modules for future hypersonic tactical missiles
15 p2380 N91-23171
WEINSHALL, DAPHNA
The shape of shading
[AD-A234419] 18 p3040 N91-26781
WEINSTEIN, A. J.
Introduction to AmigaT(sub E)X
[DE91-008518] 12 p1959 N91-20782
WEINSTEIN, AMANDA
A valiant little terminal: A VLT user's manual
[DE91-007295] 11 p1773 N91-19719
WEINSTEIN, C. J.
Opportunities for advanced speech processing in military computer-based systems
[AD-A233724] 18 p2973 N91-26412
WEINSTEIN, JON
The magnesium chelation step in chlorophyll biosynthesis
[DE91-006619] 10 p1559 N91-18571
WEINSTEIN, LEONARD M.
Vaporizing particle velocimeter
[NASA-CASE-LAR-14685-1] 20 p3280 N91-28135
WEINSTEIN, M.
Introduction to AmigaT(sub E)X
[DE91-008518] 12 p1959 N91-20782
WEINTRAUB, D. J.
Methods for evaluating discomfort glare
[PB91-185132] 21 p3549 N91-29722
WEINZAPFEL, C. L.
Zonal deformable mirror for laser wavefront control
[DE91-017085] 24 p4023 N91-32483
WEINZIERL, A.
Nucleate pool boiling (TEXUS 3)
23 p3829 N91-31354
Bubble formation, 1 (TEXUS 5)
23 p3829 N91-31355
WEIR, ANDREW LIVINGSTONE
Voyager infrared observations of the outer solar system
16 p2701 N91-24958
WEIR, BENNETT
Silicon device performance measurements to support temperature range enhancement
[NASA-CR-187904] 10 p1517 N91-18352
WEIR, J. T.
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
WEIR, LOIS J.
A comparison of CFD predictions and experimental results for a Mach 5 inlet
12 p1836 N91-20094
WEIR, S. T.
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373
WEIRICK, L. J.
Shock characterization of epoxy: Forty-two volume percent glass microballoons
[DE91-009616] 15 p2404 N91-23314
WEIRICK, LARRY J.
Attenuation studies of booster-rocket propellants and their simulants
[DE91-000098] 02 p0202 N91-11131
WEIRUP, D.
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463
Scanning Transmission Ion Microscopy (STIM): A new technique for density mapping of microstructures
[DE91-011917] 20 p3396 N91-28825
WEIRUP, D. L.
Proton Energy Loss (PEL) material characterization
[DE91-011545] 20 p3307 N91-28306
WEISBIN, C. R.
Performance of multiple tasks by an autonomous robot using visual and ultrasound sensing
[DE90-010719] 09 p1344 N91-17383
WEISENBERGER, A. G.
Gamma radiation survey of the LDEF spacecraft
16 p2707 N91-24981
WEISENBURGER, RICHARD K.
Plan, formulate, and discuss a NASTRAN finite element model of the AH-64A helicopter airframe
[NASA-CR-187446] 10 p1534 N91-18445
WEISENSTEIN, DEBRA K.
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 1
[NASA-CR-4346-PT-1] 10 p1542 N91-18489
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 2
[NASA-CR-4346-PT-2] 10 p1543 N91-18490
WEISLOGEL, MARL M.
Surface settling in partially filled containers upon step reduction in gravity
[NASA-TM-103641] 06 p0824 N91-14556
WEISMAN, MORRIS LARRY
The genesis of bow echoes: A rear inflow-induced mesoconvective structure
09 p1363 N91-17492
WEISS, B. L.
Workshop on MQW Mixing and Its Application to Optoelectronic Devices
[AD-A229205] 09 p1330 N91-17304
WEISS, D.
Survey: Potential of the Israeli industry for space technology
[CEMA-86-17] 15 p2520 N91-23967
WEISS, D. L.
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955
WEISS, DAVID M.
Synthesis: Intertwining product and process
14 p2303 N91-22725
WEISS, H.
System characterization of positive real conditions
[NASA-CR-188113] 12 p1960 N91-20784
Polyaniline: Synthesis and properties of pernigraniline
[AD-A233706] 18 p2945 N91-26245
WEISS, HOWARD
NOAA-9 SBUV/2 ozone sounding accuracy: Presentation summary
11 p1731 N91-19519
WEISS, I.
Mechanical behavior and flow mechanisms in refractory metal composition
[AD-A234701] 18 p2953 N91-26297
WEISS, IRA M.
Performance of MILSATCOM adaptive antenna systems in pulse jammer environments
16 p2616 N91-24481
Performance tradeoff of MILSATCOM adaptive multibeam antennas
16 p2616 N91-24482
WEISS, ISAAC
Noise-resistant invariants of curves
[AD-A233440] 16 p2679 N91-24830
High order differentiation filters that work
[AD-A234504] 18 p3055 N91-26874
WEISS, LEE
A 3D-object reconstruction system integrating range-image processing and rapid prototyping
[AD-A233577] 16 p2671 N91-24783
WEISS, MARC A.
Device and method for providing accurate time and/or frequency
[US-PATENT-APPL-SN-471764]
03 p0368 N91-12060
The use of precise ephemerides, ionospheric data, and corrected antenna coordinates in a long-distance GPS time transfer
17 p2858 N91-25802
WEISS, MITCHELL
A comparison of ERBE and AVHRR longwave flux estimates
[NOAA-TR-NESDIS-50] 10 p1555 N91-18553
WEISS, P.
Development of semiconductor test structures for reliability evaluation
24 p3990 N91-32292
WEISS, R.
Oxidation inhibited carbon/carbon: A candidate material for hot structures
03 p0328 N91-11825
WEISS, R. B.
Imaging of fluorescent and chemiluminescent DNA hybrids using a 2-D CCD camera
[AD-A234641] 18 p3020 N91-26676
WEISS, R. E.
A balloon-borne aerosol spectrometer for high altitude low aerosol concentration measurements
[DE91-002563] 06 p0844 N91-14661
A balloon-borne integrating nephelometer
[DE91-001037] 06 p0849 N91-14687
WEISS, ROBERT S.
Results of the 1990 NASA/JPL balloon flight solar cell calibration program
[NASA-CR-187813] 07 p1026 N91-15630
WEISS, VOLKER
Northeast Artificial Intelligence Consortium (NAIC). Volume 1: Executive summary
[AD-A234880] 18 p3045 N91-26815
WEISS, WOLF
For the hierarchy of the extended thermodynamics
[ETN-90-98182] 04 p0592 N91-13308
WEISSE, ECKART
Fuel cells for commercial energy
[MBB-UE-0018-90-PUB] 23 p3889 N91-31706
WEISSMAN, PAUL R.
The CRAF mission and Earth-based comet observations
12 p2007 N91-21047
The comet rendezvous asteroid flyby mission: A status report
17 p2898 N91-26015
Short-period comets
17 p2908 N91-26057
WEISSMAN, ZEEV
Radiation effects in dielectric-waveguide branching structures
[ITN-90-85062] 07 p0990 N91-15430
WEITS, ELLO
Convergence of solutions of one-dimensional stochastic heat equations
[REPT-90-40] 02 p0264 N91-11478
WEITSMAN, Y.
An eccentric shear-lag model and implications on the strength of fibrous composites
[AD-A229733] 12 p1862 N91-20233
WEITZ, ERIC
High energy density systems in cryogenic media: The production and reaction of atoms and radicals
[AD-A233785] 18 p3058 N91-26892

WEITZEN, JAY A.
A high resolution statistical characterization of fading on meteor communication channels
[AD-A235548] 19 p3149 N91-27407
WEITZNER, H.
Plasma properties
[DE91-013933] 20 p3422 N91-28978
WEITZNER, HAROLD
Plasma properties
[DE91-001361] 05 p0718 N91-14006
WEIZER, VICTOR G.
An x ray photoelectron spectroscopy study of Au(x)In(y) alloys
[NASA-TM-103659] 05 p0725 N91-14050
Semiconductor structural damage attendant to contact formation in III-V solar cells 11 p1670 N91-19203
Improvements in contact resistivity and thermal stability of Au-contacted InP solar cells 22 p3632 N91-30207
WELBORN, CURTIS RAY
Multi-threaded procedural reasoning in real-time health monitoring of manned spacecraft systems 14 p2216 N91-22248
Distributed voice control for the large screen display in the mission control center 14 p2220 N91-22273
Generic message management 14 p2220 N91-22274
WELCH, D. O.
Irreversibility temperatures in oxide- and metallic superconductors
[DE91-004021] 06 p0880 N91-14861
Magnetic field induced broadening of the resistive transition in epitaxial films of YBa2Cu3O7 and Y2Ba4Cu8O16
[DE91-009825] 13 p2161 N91-21916
Theory of the critical current density in YBa2Cu3O7 ceramics
[DE91-009443] 15 p2515 N91-23940
Models of flux diffusion and flux creep in high-temperature superconductors
[DE91-015838] 23 p3932 N91-31972
Magnetically measured irreversibility temperatures in superconducting oxides and alloys
[DE91-016895] 24 p4110 N91-32972
WELCH, DOUGLAS L.
Ar/S 05 p0745 N91-14153
WELCH, DOUGLAS W.
Evaluation of long-duration exposure to the natural space environment on graphite-polyimide and graphite-epoxy mechanical properties 16 p2719 N91-25056
WELCH, JEANNE A.
Non-invasive pressure measuring device and method
[AD-D014949] 24 p4021 N91-32470
WELCH, LOYD
Study of a co-designed decision feedback equalizer, deinterleaver, and decoder
[NASA-CR-187961] 10 p1514 N91-18332
WELCH, PETER J.
Evaluation of composite materials for use on launch complexes
[NASA-TM-103809] 01 p0022 N91-10131
Evaluation of thermal sprayed metallic coatings for use on the structures at Launch Complex 39
[NASA-TM-103807] 02 p0200 N91-11121
WELCH, R. M.
Analysis of stratocumulus cloud fields using LANDSAT imagery: Size distributions and spatial separations 01 p0085 N91-10504
WELCH, R. N.
Cloud classification of DMSP visible and IR imagery using physical and textural features
[AD-A231186] 13 p2122 N91-21680
WELCH, R. V.
A technique for optimal temperature estimation for modeling sunrise/sunset thermal snap disturbance torque 09 p1292 N91-17098
WELCH, RONALD M.
FIRE Cirrus on October 28, 1986: LANDSAT; ER-2; King Air; theory 01 p0081 N91-10480
WELCH, SHARON S.
The spacecraft control laboratory experiment optical attitude measurement system
[NASA-TM-102624] 13 p2034 N91-21186
Optical storage device 14 p2356 N91-23033
WELCH, WILLIAM J.
Interferometric molecular line observations of W51 06 p0896 N91-14950
WELCOME, M. L.
Conservative front-tracking for inviscid compressible flow
[DE91-011534] 17 p2778 N91-25377
WELCOME, T. S.
Split-join and message passing programming models on the BBN TC2000
[DE91-008067] 20 p3388 N91-28774
WELDON, VINCENT
Design optimization of gas generator hybrid propulsion boosters 16 p2572 N91-24252
WELDON, WILLIAM F.
Controlling fundamentals in high-energy high-rate pulsed power materials processing of powdered tungsten, titanium aluminides, and copper-graphite composites
[AD-A230900] 13 p2053 N91-21298
WELKER, JEAN EDWARD
A case study demonstration of the soil temperature extrema recovery rates after precipitation cooling at 10-cm soil depth
[NASA-TM-100731] 19 p3201 N91-27696
WELLEMEYER, C. G.
Initial estimate of NOAA-9 SBUV/2 total ozone drift: Based on comparison with re-calibrated TOMS measurements and pair justification of SBUV/2 11 p1732 N91-19523
WELLENS, A. RODNEY
Electronic collaboration: Some effects of telecommunication media and machine intelligence on team performance 12 p1949 N91-20720
WELLER, JOSEPH F.
A modulated high-power optical source specification
[AD-D014654] 11 p1798 N91-19869
WELLER, MARTHA H.
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193
WELLER, R.
A carrier-arraying demonstration at Goldstone for receiving Pioneer 11 signals 24 p3987 N91-32273
WELLER, TANCHUM
Repeated buckling of composite shear panels 01 p0051 N91-10303
WELLMAN, G. W.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
WELLMAN, J. BRENT
Rotor systems research aircraft risk-reduction shake test
[NASA-TM-4186] 01 p0008 N91-10045
WELLMAN, MICHAEL P.
Graphical inference in qualitative probabilistic networks
[AD-A225274] 03 p0408 N91-12280
WELLMAN, PETER
Amadeus Basin, northern territory: Structure from gravity and magnetic anomalies 19 p3192 N91-27649
WELLMAN, RONALD J.
Signal-processing techniques for simulated wideband monopulse radar data
[AD-A225334] 03 p0357 N91-11998
WELLS, B. O.
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
WELLS, CHARLES E.
Engineering design with decision support: An application of goal decomposition
[AD-A226730] 06 p0865 N91-14782
WELLS, CHESTER V.
The high cost of low quality in R/D (Research and Development)
[DE91-002118] 06 p0836 N91-14621
WELLS, CLARENCE L.
Iodoperfluorohexane as a lasant for iodine lasers
[NASA-CR-187434] 04 p0529 N91-12933
WELLS, DENNIS L.
Nozzle fabrication technique
[NASA-CASE-MSC-21299-2] 24 p4028 N91-32508
WELLS, J.
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333
WELLS, N. E.
Prototype document tracking and storage system for the Superconducting Super Collider Laboratory (SSCL)
[DE91-008204] 11 p1814 N91-19963
Document format considerations for a document tracking and storage system
[DE91-013402] 20 p3438 N91-29079
WELLS, N. S.
The stereoscopic geometry of the remote sensing optical mapping instrument
[RAE-TR-90032] 07 p1023 N91-15613
WELLS, R. L.
Synthesis and characterization of indium-arsenic compounds containing a four-membered In-Ad-In-As or In-As-In-Cl ring: Crystal structures of ((Me3SiCH2)2 InAs(SiMe3)2)2 and (Me3SiCH2)2 InAs(SiMe3)2 In(CH2SiMe3)2Cl
[AD-A232388] 15 p2518 N91-23956
Preparation of a novel gallium arsenide single-source precursor having the empirical formula AsCl3Ga2
[AD-A233704] 18 p3068 N91-26949
WELLS, RICHARD L.
The use of silylarsines to prepare gallium-arsenic compounds
[AD-A236742] 19 p3127 N91-27279
WELLS, WILLIAM L.
Measured and predicted shock shapes for AFE configuration at Mach 6 in air and in CF4
[NASA-TM-100660] 01 p0042 N91-10245
WELLSTOOD, F. C.
Low frequency noise in resonant Josephson soliton oscillators
[DE91-011911] 18 p2981 N91-26464
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981
High-T(sub c) thin-film microelectronics
[DE91-012340] 20 p3425 N91-28997
Photolithographically patterened thin-film multilayer devices of YBa2Cu3O(7-x)
[DE91-012350] 20 p3425 N91-28998
Thin-film flux transformers of YBa2Cu3O(7-x)
[DE91-012363] 20 p3427 N91-29007
WELP, U.
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784
Scaling behavior of the fluctuations in magnetization and conductivity of untwinned YBa2Cu3O(7-delta)
[DE91-016524] 24 p4110 N91-32967
Flux pinning by planar defects in single crystal YBa2Cu3O(7-delta)
[DE91-016525] 24 p4110 N91-32968
Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989
WELS, BRIAN REID
Electrocatalysis of anodic and cathodic oxygen-transfer reactions
[DE91-000611] 08 p1110 N91-16100
WELSH, B. L.
Interaction between the canard and wing flow on a model of a typical combat aircraft 06 p0782 N91-14334
WELSH, D.
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
WELSH, D. C.
Radar-measured height profiles of Cn(2) and turbulence dissipation rate compared with radiosonde data during October 1989 at Denver
[PB91-125500] 11 p1739 N91-19562
WELSHANS, G.
Ultrox international ultraviolet radiation/oxidation technology: Applications analysis report
[PB91-129759] 17 p2806 N91-25512
WELSTEAD, STEPHEN T.
Optical processor evaluation
[AD-A235690] 19 p3150 N91-27409
Hybrid electro-optic processor
[AD-A239547] 23 p3857 N91-31505
WELTER, GARY L.
The in-flight calibration of the Hubble space telescope attitude sensors
[NASA-CR-183485] 23 p3938 N91-32007
WELTER, H.
Statistical properties of two-dimensional magnetohydrodynamic turbulence 20 p3407 N91-28886
WELTY, DANIEL E.
Neutral atomic absorption lines and far-UV extinction: Possible implications for depletions and grain parameters 05 p0737 N91-14115
WEN, C.
Phase change material for spacecraft thermal management
[AD-A224865] 03 p0321 N91-11792
WEN, CHENG P.
Low dark current photovoltaic multiquantum well long wavelength infrared detectors 06 p0796 N91-14396
WEN, DIANZHONG
Titanium alloy integrated centrifugal impeller 5 coordinate computer assisted manufacturing technology
[AD-A234797] 18 p2954 N91-26300
WEN, FENG
A study on particle dispersion in two-dimensional mixing layer flows 20 p3347 N91-28537
WEN, JOHN T.
A passivity based control methodology for flexible joint robots with application to a simplified shuttle RMS arm
[NASA-CR-188176] 16 p2634 N91-24582

WEN, P.
Heterodyne laser mixer
[AD-A236687] 19 p3171 N91-27535
WEN, SHAO
Preparation and characterization of polyelectrolyte copolymers containing methyl methacrylate and 2-hydroxyethyl methacrylate. Part 1: Polymers based on methacrylic acid
[NIAR-91-4-PT-1] 14 p2251 N91-22453
WENDELKEN, J. F.
Substrate temperature effects on (cubic x cubic lattice) R 30 deg domain growth of Ag on Si(111) surface
[DE90-016527] 01 p0131 N91-10772
Defect and impurity effects on the initial growth of Ag on Si(111)
[DE91-001277] 06 p0882 N91-14876
WENDELL, CHARLES EDWARD
Magnetic field decay in neutron stars with superconducting cores 23 p3939 N91-32015
WENDELL, J.
ECC ozonesonde observations at Point Barrow, Alaska during January 16 - April 19, 1989
[PB91-176438] 19 p3203 N91-27706
WENDELL, L. L.
US areal wind resource estimates considering environmental and land-use exclusions
[DE91-004065] 07 p1031 N91-15659
Wind energy potential in the United States considering environmental and land-use exclusions
[DE91-017535] 24 p4041 N91-32577
WENDER, I.
A novel process for methanol synthesis
[DE91-009808] 15 p2408 N91-23334
The synthesis of methanol by a novel method
[DE91-011131] 18 p2952 N91-26291
WENDLER, J.
MMIC compensation network for phased array element mismatch
[AD-A227437] 06 p0818 N91-14522
WENDT, HOLGER
Computer-assisted publishing with its standards and compatibility problems 17 p2875 N91-25904
WENDT, J. R.
Electric-field dependent electroreflectance and photocurrent spectroscopy in inGaAs/InAlAs strained-layer superlattices
[DE90-015698] 02 p0277 N91-11559
Photoluminescence studies of In(x)Ga(1-x)As/Al(y)Ga(1-y)As strained-layer structures
[DE90-017031] 02 p0278 N91-11561
The preparation of InAsSb/InSb SLS (Strained-Layer Superlattice) and InSb photodiodes by MOCVD
[DE91-006781] 10 p1608 N91-18872
WENDT, M.
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651
Preliminary calibration of a generic scramjet combustor
[NASA-CR-187539] 13 p2025 N91-21139
WENDT, ROBERT G.
Composite materials for space applications
[NASA-CR-187472] 11 p1676 N91-19238
WENG, HENGYI
Potential vorticity index 08 p1185 N91-16516
Potential vorticity index 24 p4058 N91-32672
WENGER, NORMAN C.
Instrumentation and controls overview 12 p1837 N91-20099
WENHAM, S. R.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
WENHUA, LI
Application of transformational ideas to automatic flight control design
[AD-A234758] 18 p2927 N91-26148
WENISCH, ELISABETH
Protein purification in multicompartment electrolyzers for crystal growth of r-DNA products in microgravity 11 p1757 N91-19665
WENK, H.-R.
Textural characterization and its applications on zinc electrogalvanized steels
[DE91-000354] 03 p0341 N91-11914
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
WENNER, CHRISTIAN
Noise field strength measures in absorber lined chambers
[OEFZS-4542] 07 p1063 N91-15847
WENSINK, G. J.
Remote sensing for marine activities
[BCRS-89-41] 02 p0228 N91-11273
Remote sensing for marine activities: Appendices
[BCRS-89-41-APP] 02 p0228 N91-11274
Extraction of marketable information from ERS-1 data
[BCRS-90-03] 08 p1167 N91-16425
WENSKAT, LUTZ
Galactic structure in direction of Vela-Puppis by means of UBV beta observations
[ETN-91-98556] 08 p1266 N91-16973
WENTWORTH, STANLEY E.
Model adherend surface effects on epoxy cure reactions
[AD-A230710] 12 p1876 N91-20310
WENTWORTH, SUSAN J.
Pre-terrestrial origin of rust in the Nakhla meteorite 14 p2352 N91-23007
WENTZ, FRANK J.
Deriving Earth science products from SSM/I 24 p4060 N91-32684
WENTZ, WILLIAM H.
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
WENTZ, WILLIAM H., JR.
Dedication of National Institute for Aviation Research
[NIAR-90-21] 11 p1639 N91-19040
WENTZCOVITCH, R.
The effect of strong Coulomb correlations on electron-phonon interactions in the copper oxides: Implications for transport
[DE91-013333] 20 p3402 N91-28854
WENZEL, ELIZABETH M.
Technical aspects of a demonstration tape for three-dimensional sound displays
[NASA-TM-102826] 04 p0553 N91-13066
Virtual acoustics displays 14 p2355 N91-23023
Three-dimensional virtual acoustic displays
[NASA-TM-103835] 22 p3719 N91-30697
WENZEL, J.
The diving laboratory as a simulation environment for manned spaceflight 15 p2449 N91-23564
WENZEL, JACK
French-American structural ceramics roundtable
[AD-A233146] 16 p2606 N91-24441
WENZEL, K.-P.
The LDEF ultra heavy cosmic ray experiment 16 p2709 N91-24994
Particulate impacts on the UHCRE cosmic ray experiment teflon covers: The ESA programme 16 p2711 N91-25004
WENZEL, STUART W.
Flexural plate wave devices for chemical analysis
[AD-A234129] 18 p2946 N91-26254
WENZEL, T.
Materials qualification technology for ceramic cross-flow filters
[DE91-017715] 24 p3980 N91-32232
WENZEL, WOLFGANG
Mean-field theories of the Hubbard model and periodic orbits in chaotic maps 15 p2515 N91-23938
WERBER, MOSHE M.
CHAPS boosts the recovery of hydrophobic membrane proteins from various chromatography media 14 p2297 N91-22696
WERBOS, PAUL J.
Neurocontrol and fuzzy logic: Connections and designs 12 p1966 N91-20817
WERBY, M. F.
Scattering in the time domain from submerged elastic shells at coincidence frequencies
[AD-A231122] 13 p2148 N91-21837
Transient solutions from scattered fields in a waveguide
[AD-A231124] 13 p2149 N91-21838
WERCINSKI, P. F.
Sand and dust issues for the MESUR mission 18 p3089 N91-27080
WERLE, HENRI
Transition and turbulence
[ESA-TT-1219] 13 p2081 N91-21465
WERLEY, K. A.
ZTI: An ignition class reversed-field pinch
[DE91-000447] 04 p0584 N91-13260
ZTI: Preliminary characterization of an ignition class reversed-field pinch
[DE91-007353] 10 p1603 N91-18845
WERNER, D. H.
Investigation of the polar electrojet current system using radio wave heating from a ground-based facility 10 p1554 N91-18547
WERNER, J.
Generic command interpreter for robot controllers
[DE91-011231] 17 p2841 N91-25702
WERNER, J. C.
An application of oscillation damped motion for suspended payloads to the advanced integrated maintenance system
[DE91-002658] 05 p0708 N91-13946
Lag-stabilized force feedback damping
[DE91-007572] 11 p1722 N91-19481
WERNER, M.
A multiwavelength survey of interacting galaxies 08 p1253 N91-16898
WERNER, M. W.
Very small grains in the Milky Way and external galaxies 05 p0742 N91-14138
WERNER, MICHAEL W.
IRAS observations of the ISM in the gamma CAS reflection nebula 05 p0742 N91-14140
The spatial distribution of infrared radiation from visible reflection nebulae 06 p0892 N91-14931
Infrared studies of dust grains in infrared reflection nebulae 06 p0899 N91-14970
Studying the spatial distribution of interstellar dust 06 p0901 N91-14980
WERNER, TOM
Application of high-temperature superconductors to high-precision accelerometers 05 p0724 N91-14042
WERNER, U.
Study of the absorption lines widened by the effect of pressure, emitted by the combustion gases of propulsive powders
[ISL-R-124/89] 13 p2043 N91-21237
WERNET, MARK P.
Particle displacement tracking for PIV
[NASA-TM-103288] 01 p0045 N91-10271
Software manual for operating particle displacement tracking data acquisition and reduction system
[NASA-TM-103720] 12 p1901 N91-20453
Particle image velocimetry for the surface tension driven convection experiment using a particle displacement tracking technique
[NASA-TM-104482] 17 p2779 N91-25382
Particle displacement tracking applied to air flows
[NASA-TM-104481] 17 p2780 N91-25387
Ground-based PIV and numerical flow visualization results from the surface tension driven convection experiment
[NASA-TM-105172] 22 p3680 N91-30491
WERNTZ, P.
Feasibility study of a synthesis procedure for array feeds to improve radiation performance of large distorted reflector antennas
[NASA-CR-187954] 10 p1513 N91-18329
WERT, J. A.
Quantitative characterization of the spatial distribution of particles in materials: Application to materials processing 19 p3130 N91-27294
WERT, J. J.
Ion beam enhanced adhesion of iron films to sapphire substrates
[DE91-015931] 23 p3820 N91-31308
WERT, JOHN A.
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
Fundamental concepts relating local atomic arrangement deformation and fracture of intermetallic alloys
[AD-A230541] 12 p1870 N91-20275
WERTHEN, J. G.
High-efficiency, radiation-resistant GaAs space cells 11 p1668 N91-19194
Recent advancements in monolithic AlGaAs/GaAs solar cells for space applications 22 p3634 N91-30220
WERTHNER, H.
Identification of model structure via qualitative simulation
[REPT-90-040] 16 p2667 N91-24755
WERVELMAN, ROB
Exchange currents in low-energy nucleon capture by He3
[ETN-91-98917] 11 p1796 N91-19855
WESCOTT, C.
Assembly and packaging of microwave gallium arsenide devices for the space environment 24 p3995 N91-32325
WESLEY, DAVID
Monte Carlo simulation of atmospheric neutron transport at high altitudes using MCNP
[AD-A226773] 08 p1176 N91-16474
WESSELBORG, C.
Empirical proton-neutron interaction energies and nuclear structure
[DE90-017632] 02 p0268 N91-11500
WESSELING, K. H.
Blood pressure regulation in parabolic flight 11 p1741 N91-19575
WESSELIUS, P. R.
A multi-wavelength study of the peculiar galaxy NGC 2976 05 p0754 N91-14199
Dust emission from high latitude cirrus clouds 06 p0892 N91-14930
The embedded objects in epsilon Cha I cloud 06 p0895 N91-14949

Properties of grains derived from IRAS observations of dust 06 p0905 N91-15001

WESSELS, B. W.
Defect structure of semiconducting and insulating epitaxial oxides, May 1, 1990 - April 30, 1991
[DE91-010640] 16 p2696 N91-24930

WESSELS, H. R. A.
Coordinate conversions for presenting and compositing weather radar data
[KNMI-TR-129] 23 p3856 N91-31497

WESSELS, J.
Analysis of the asymmetric shortest queue problem. Part 1: Theoretical analysis
[MEMO-COSOR-90-01-PT-1] 07 p1057 N91-15810
Analysis of the asymmetric shortest queue problem. Part 2: Numerical analysis
[MEMO-COSOR-90-03-PT-2] 07 p1058 N91-15811
Analysis of the symmetric shortest queue problem
[MEMO-COSOR-90-19] 07 p1058 N91-15813
Analysis of the asymmetric shortest queue problem with threshold jockeying
[MEMO-COSOR-90-20] 07 p1058 N91-15814

WESSELSKI, CLARENCE J.
Energy dissipator
[NASA-CASE-MSC-21555-1] 15 p2435 N91-23492
Preloaded latching device
[NASA-CASE-MSC-21730-1] 15 p2435 N91-23493

WESSENDORF, KURT O.
Minimizing frequency pulling of quartz oscillators due to power supply variations
[DE90-014566] 01 p0037 N91-10218

WESSON, J. A.
Non-linear behaviour in tokamaks
20 p3415 N91-28935

WESSON, J. P.
A study of the critical factors controlling the synthesis of ceramic matrix composites from preceramic polymers
[AD-A232686] 15 p2407 N91-23327

WEST, B. H.
High-alcohol microemulsion fuel performance in a diesel engine
[DE91-001617] 05 p0644 N91-13572
Results from the second year of operation of the Federal Methanol Fleet at Oak Ridge National Laboratory
[DE91-000543] 05 p0669 N91-13718
Low heat rejection diesel ceramic coupon tests
[DE91-000737] 07 p0984 N91-15401
The Federal methanol fleet: Summary of technical data
[DE91-006608] 10 p1507 N91-18292
Results from the third year of operation of the Federal methanol fleet at Argonne National Laboratory
[DE91-007822] 11 p1716 N91-19451
Low heat rejection diesel ceramic coupon tests
[DE91-006274] 15 p2405 N91-23318
The Federal Methanol Fleet: A demonstration of methanol vehicle technology
[DE91-010395] 16 p2611 N91-24459

WEST, C. D.
International workshop on cold neutron sources
[DE91-017559] 24 p4097 N91-32891

WEST, E. A.
Coaligned observations of solar magnetic fields at different heights: MSFC Center director's discretionary fund final report (Project No. 88-10)
[NASA-TM-103516] 01 p0141 N91-10832

WEST, G. S.
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 1
[PB91-177865] 19 p3166 N91-27507
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 2
[PB91-177873-PT2] 19 p3166 N91-27508
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 3
[PB91-177881-PT-3] 19 p3166 N91-27509

WEST, JEFFREY A.
Measurements of To temperatures of supersaturated Si-As alloys
[DE91-006774] 10 p1500 N91-18254

WEST, JOHN B.
COSMOS 2044: Lung morphology study, experiment K-7-28
[NASA-CR-187711] 22 p3713 N91-30668

WEST, L. K.
Composite overwrap positive expulsion propellant tanks 16 p2573 N91-24262
Flightweight divert propulsion system hot-fire test 16 p2576 N91-24276

WEST, M.
New correction procedures for the fast field program which extend its range 08 p1217 N91-16699
A simulation of the instrument pointing system for the Astro-1 mission
[NASA-TM-103547] 21 p3605 N91-30061

WEST, R. N.
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973

WEST, S. L.
Defect characterization in pipe-to-pipe welds in large diameter stainless steel piping
[DE91-004279] 07 p1013 N91-15563

WEST, THOMAS W.
Rotationally actuated prosthetic helping hand
[NASA-CASE-MFS-28426-1] 24 p4080 N91-32795

WEST, W. P.
Motional Stark effect polarimetry for the current profile diagnostic in D3-D
[DE90-012071] 08 p1229 N91-16773

WESTBROOK, C. K.
A numerical study of silane combustion
[DE90-006002] 08 p1107 N91-16080
Auto-ignition temperatures of binary mixtures of alkanes in a closed vessel: Comparisons between experimental measurements and numerical predictions
[DE90-007856] 08 p1108 N91-16082
Simulation of chemical kinetics in combustion
[DE91-008446] 13 p2049 N91-21273
The autoignition chemistry of paraffinic fuels and pro-knock and anti-knock additives: A detailed chemical kinetic study
[DE91-014992] 23 p3821 N91-31314
Autoignition chemistry of C4 olefins under motored engine conditions: A comparison of experimental and modeling results
[DE91-016511] 24 p3974 N91-32197

WESTBROOK, CHARLES K.
Shock tube ignition of isomers of octane
[DE90-005991] 09 p1305 N91-17161
Engine knock predictions using a fully-detailed and a reduced chemical kinetic mechanism
[DE90-005992] 09 p1305 N91-17162
Kinetic modeling of ethene oxidation at low and intermediate temperatures
[DE90-005998] 09 p1305 N91-17163

WESTBROOK, E. M.
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-008832] 12 p1902 N91-20464

WESTBROOK, M. L.
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-008832] 12 p1902 N91-20464

WESTBROOK, STEVEN R.
Field demonstration of aviation turbine fuel MIL-T-83133C, grade JP-8 (NATO code F-34) at Fort Bliss, TX
[AD-A233441] 16 p2611 N91-24458

WESTENSKOW, G.
A chopper driven 11.4-GHz traveling-wave RF generator
[DE91-013568] 20 p3339 N91-28489

WESTENSKOW, G. A.
Relativistic klystron research for future linear colliders
[DE91-008063] 11 p1797 N91-19862

WESTER-EBBINGHAUS, W.
High accuracy photogrammetric system for the large space simulator at ESTEC 07 p0958 N91-15270

WESTER, RODERICK C.
Multidimensional spectral estimation using iterative methods
[AD-A237025] 20 p3391 N91-28791

WESTERVELT, JAMES D.
Engineering applications of neural computing: A state-of-the-art survey
[AD-A237628] 21 p3563 N91-29803

WESTFALL, LEONARD J.
Method of making single crystal fibers
[NASA-CASE-LEW-14921-1] 05 p0632 N91-13502

WESTFALL, RICHARD
Near-Earth asteroids: Metals occurrence, extraction, and fabrication 17 p2908 N91-26058

WESTFOLD, STEPHEN
Automated design of displays for technical data
[AD-A226729] 08 p1198 N91-16586

WESTLEY, M. S.
Non-linear generation of acoustic noise in the IAR spacecraft 11 p1659 N91-19143

WESTLEY, R.
Non-linear generation of acoustic noise in the IAR spacecraft 11 p1659 N91-19143
An assessment of the acoustic noise in the working section of the NAE 6 ft x 9 ft low speed wind tunnel
[NAE-LTR-ST-1744] 21 p3461 N91-29196

WESTMACOTT, K. H.
HVEM (High Voltage Electron Microscopy) studies of the sintering of MgO nanocrystals prepared by Mg(OH)2 decomposition
[DE91-005403] 10 p1606 N91-18860

Some roles for TEM in the development of new materials
[DE91-007742] 11 p1809 N91-19933
TEM characterization of grain boundaries in mixed bicrystal films of aluminum
[DE91-016267] 21 p3601 N91-30038

WESTMORELAND, C. G.
Gelcast zirconia-alumina composites
[DE91-007835] 11 p1676 N91-19239

WESTON, BERT
Overall goals 20 p3299 N91-28246

WESTON, NEIL J.
Use of system identification techniques for improving airframe finite element models using test data
[NASA-CR-188041] 11 p1777 N91-19750

WESTPFAHL, DAVID
A tail-wagging event in comet Austin
12 p2005 N91-21038

WESTPHAL, CHRISTOPHER
A reusable knowledge acquisition shell: KASH
14 p2315 N91-22789

WESTPHAL, J. A.
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012

WESTRATE, J. A.
Optimization of polling systems
[CWI-BS-R8932] 01 p0109 N91-10635

WESTRICH, C. N.
Weldability of AerMet 100
[DE91-008626] 12 p1908 N91-20499

WESTSTRATE, J. A.
Efficient visit orders for polling systems
[CWI-BS-R9017] 10 p1589 N91-18759

WESTWATER, E. R.
Attenuation statistics derived from emission measurements by a network of ground-based microwave radiometers 03 p0352 N91-11963
Remote sensor observations during WISP90: The use of microwave radiometers, RASS, and ceilometers for detection of aircraft icing conditions
[PB91-131839] 14 p2291 N91-22670

WESTWOOD, A. D.
Quantitative analysis of oxygen segregation on inversion domain boundaries in aluminum nitride
[DE91-010869] 21 p3590 N91-29971

WETHERILL, GEORGE W.
Formation of the terrestrial planets from planetesimals
14 p2345 N91-22968

WETS, ROGER
Nonlinear stochastic optimization solution procedures and incomplete information
[AD-A235242] 18 p3042 N91-26793

WETTE, MATT
A fast, reliable algorithm for computing frequency responses of state space models
14 p2226 N91-22314

WETTERLING, W. W. E.
Chebyshev approximation of a finite set by a straight line
[MEMO-925] 22 p3748 N91-30891

WETTON, B. T. R.
Parabolic approximations for seismo-acoustic waveguide propagation
[DREP-89-20] 22 p3750 N91-30905

WETZEL, E. D.
Conceptual designs study for a Personnel Launch System (PLS)
[NASA-CR-185647] 22 p3628 N91-30187

WETZEL, JOHN P.
Engineering, construction, and operations in space
17 p2755 N91-25247

WETZEL, LEWIS B.
Perspectives on modeling electromagnetic sea scatter
[AD-A226939] 06 p0818 N91-14520

WETZEL, MELANIE ANN
Investigation of a remote sensing technique for droplet effective radius 08 p1166 N91-16420

WETZEL, W.
Gas kinetic simulation of hypersonic flows past three-dimensional blunt bodies under reentry conditions
[ZLR-FB-89-02] 09 p1274 N91-17003

WETZIG, JOACHIM
Ocular roll under changing z-axis acceleration and neck position 11 p1742 N91-19580

WETZIG, VOLKER
Angle measurements with the laser gyro GG 1342
[ESA-TT-1212] 13 p2088 N91-21490

WEWERINKE, PAULUS HEINRICH
Models of the human observer and controller of a dynamic system
[ETN-90-97759] 01 p0103 N91-10597

WEXLER, ANTHONY STEIN
Inorganic components of atmospheric aerosols
20 p3370 N91-28668

WEY, C.
An imaging system for PLIF/Mie measurements for a combusting flow
[NASA-TM-103714] 12 p1835 N91-20084
WEY, C. C.
An imaging system for PLIF/Mie measurements for a combusting flow
[NASA-TM-103714] 12 p1835 N91-20084
WEYDAHL, DAN JOHAN
SAR detection of topography, vegetation and installations over land
[FFI-90/7016] 05 p0649 N91-13600
WEYER, HARLEY
The Cl-36 in the stratosphere
17 p2794 N91-25459
Profiles of alpha 13 C and alpha D in methane from the lower stratosphere 17 p2799 N91-25487
WEYER, R. M.
Translation of airfoil trailing edge noise article from Revue d'Acoustique
[AD-A237811] 21 p3451 N91-29143
WEYER, THOMAS H.
Activities report of the DLR
[ISSN-0938-2194] 15 p2542 N91-24086
WEYL, G.
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
WEYL, G. M.
Significant reduction in arc frequency biased solar cells: Observations, diagnostics, and mitigation technique(s)
22 p3636 N91-30235
WEYLAND, MARK
Improvements in computational accuracy of BRYNTRN (a baryon transport code)
[NASA-TP-3093] 14 p2354 N91-23017
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
WEYLAND, MARK D.
Analyses of risks associated with radiation exposure from past major solar particle events
[NASA-TP-3137] 22 p3776 N91-31061
WEZENBEEK, A. M.
BSB radar pulse classification
[FEL-90-B023] 05 p0649 N91-13603
WHALEN, B. A.
Problems of cold plasma measurements on the Regatta-A spacecraft 01 p0071 N91-10431
WHALEN, JESSIE E.
Chronology: MSFC Space Station program, 1982 - present. Major events
[NASA-CR-184014] 06 p0933 N91-15119
Chronology: MSFC Space Shuttle program development, assembly, and testing major events (1969 - April, 1981)
[NASA-CR-184013] 06 p0933 N91-15120
Historical annotated bibliography: Space Station documents
[NASA-CR-184012] 07 p1086 N91-15974
WHALEN, MARGARET V.
Slush hydrogen propellant production, transfer, and expulsion studies at the NASA K-Site Facility
[NASA-TM-105191] 20 p3331 N91-28449
WHALEN, THOMAS J.
Improved silicon carbide for advanced heat engines
[NASA-CR-182289] 16 p2607 N91-24451
WHALEY, CHRISTOPHER J.
Automatic information processing and high-performance skills: Principles of consistency, part-task training, context, retention, and complex task performance
[AD-A235944] 19 p3213 N91-27761
WHALLEY, MATTHEW S.
Development and evaluation of an inverse solution technique for studying helicopter maneuverability and agility
[NASA-TM-102889] 24 p3963 N91-32145
WHALLEY, STEPHEN
Precise orbit determination for GPS satellites
20 p3288 N91-28183
WHARTON, ROBERT A., JR.
Exobiology site selection for future Mars missions: Martian paleolake sediments and terrestrial analogs
[NASA-CR-187358] 05 p0766 N91-14255
WHATLEY, W. J.
A comparison of ground-based and space flight data: Atomic oxygen reactions with boron nitride and silicon nitride
[NASA-TM-103385] 10 p1555 N91-18550
Atomic oxygen effects on boron nitride and silicon nitride: A comparison of ground based and space flight data
11 p1660 N91-19146
WHEADON, JOE
Expert operator's associate: An expert system for spacecraft control 14 p2217 N91-22253
ESSOPE: Expert system for spacecraft operations planning and execution 14 p2218 N91-22258
A procedural expert system for spacecraft command and control 15 p2453 N91-23591
WHEASLER, ROBERT A.
Review of Air Force compressor blade and vane rework and it's impact on performance and costs
[AD-A229518] 24 p3961 N91-32136
WHEATON, DAVID G.
Automatic flight control system design for an unmanned research vehicle using discrete quantitative feedback theory
[AD-A230364] 12 p1843 N91-20131
WHEELER, D. A.
Defect characterization in pipe-to-pipe welds in large diameter stainless steel piping
[DE91-004279] 07 p1013 N91-15563
A metallurgical evaluation of stress corrosion cracking in large diameter stainless steel piping
[DE91-005658] 09 p1314 N91-17215
WHEELER, DEIDRE W.
Phonological rule induction: An architectural solution
[AD-A225797] 04 p0562 N91-13117
WHEELER, JAMES R.
Small capacity, low cost (Ni-H2) design concept for commercial, military, and higher-volume aerospace applications 24 p4038 N91-32565
WHEELER, PETER DAVID
Voice communications in the cockpit noise environment: The role of active noise reduction
02 p0204 N91-11140
WHEELER, R.
Consolidation and plasticity of Bi-Sr-Ca-Cu-O superconductors
[DE91-015544] 21 p3599 N91-30028
WHEELER, R. M.
Investigating combustion as a method of processing inedible biomass produced in NASA's biomass production chamber
[NASA-TM-103821] 18 p3036 N91-26759
Effects of atmospheric CO2 on photosynthetic characteristics of soybean leaves
23 p3902 N91-31780
Effects of elevated atmospheric carbon dioxide concentrations on water and acid requirements of soybeans grown in a recirculating hydroponic system
23 p3902 N91-31781
Factors affecting plant growth in membrane nutrient delivery 23 p3905 N91-31797
WHEELER, RAYMOND M.
Atmospheric leakage and condensate production in NASA's biomass production chamber. Effect of diurnal temperature cycles
[NASA-TM-103819] 15 p2477 N91-23718
WHEELER, ROBERT L.
Energy decay and boundary control for distributed parameter systems with viscoelastic damping
[AD-A232997] 16 p2647 N91-24655
WHELAN, A.
Geometric modeling applications interface program, volume 3
[AD-A228061] 09 p1380 N91-17586
WHELAN, D. A.
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-006710] 09 p1343 N91-17380
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-007146] 11 p1712 N91-19429
WHELAN, MICHAEL A.
Detonation duct gas generator demonstration program
[NASA-CR-187137] 19 p3106 N91-27163
WHETSTONE, J. R.
Measurements of coefficients of discharge for concentric flange-tapped square-edged orifice meters in natural gas over the Reynolds number range 25,000 to 16,000,000
[PB90-219601] 01 p0039 N91-10231
WHIBBERLEY, P. B.
The development of an untuned cavity as a high effective temperature microwave calibration source
[NPL-DES-106] 12 p1902 N91-20462
WHIFFEN, BRIAN
The development of an igniter for plastic thermite
[MRL-TR-90-24] 07 p0986 N91-15415
WHILE, D. M.
Shuttle Entry Air Data System (SEADS) hardware development. Volume 1: Summary
[NASA-CR-166044-VOL-1] 13 p2033 N91-21179
Shuttle Entry Air Data System (SEADS) hardware development. Volume 2: History
[NASA-CR-166044-VOL-2] 13 p2033 N91-21180
WHILLANS, IAN
Glacial dynamics (glaciology)
18 p3002 N91-26580
WHINNERY, JAMES E.
Enhancing tolerance to acceleration (+Gz) stress: The Hook maneuver
[AD-A231094] 13 p2127 N91-21707
The G-LOC syndrome
[AD-A239561] 23 p3900 N91-31768
Aircrew critique of high-G centrifuge training. Part 1: What was the best part of the program?
[AD-A239781] 23 p3907 N91-31809
WHIPKEY, RICHARD
Shot report, Holo-17-Holo-22 Rex-9
[DE91-002575] 06 p0829 N91-14583
WHIPPLE, ELDEN C.
Current collection from an unmagnetized plasma: A tutorial 09 p1401 N91-17714
WHIPPLE, FRED L.
A new activity index for comets
17 p2898 N91-26016
WHIPPLE, M. L.
The 1991 DOE/Sandia Crystalline Photovoltaic Technology Project Review Meeting
[DE91-016062] 23 p3889 N91-31703
WHIPPLE, RAYMOND D.
Selectable towline spin chute system
[NASA-CASE-LAR-14322-1] 19 p3102 N91-27139
WHIPPLE, RICH
Paste extrudable explosives: Their history and their current status
[DE90-009438] 08 p1121 N91-16159
WHIRLEY, R. G.
A new elastoplastic shell element formulation for DYNA3D
[DE91-008456] 12 p1915 N91-20535
PALM2D: A nonlinear finite element program for the coupled thermomechanical response of solids in two dimensions
[DE91-008423] 13 p2105 N91-21584
DYNA3D: A nonlinear, explicit, three-dimensional finite element code for solid and structural mechanics
[DE91-015735] 23 p3884 N91-31675
WHITAKER, A. F.
Characterization of a 5-eV neutral atomic oxygen beam facility 12 p1952 N91-20736
WHITAKER, ANN F.
Development and applications of nondestructive evaluation at Marshall Space Flight Center
10 p1487 N91-18190
An overview of the first results on the solar array passive LDEF experiment (sample), AO171
16 p2719 N91-25059
WHITAKER, DAVID
High-order ENO schemes applied to two- and three-dimensional compressible flow
[NASA-CR-187562] 16 p2549 N91-24126
WHITAKER, J. S.
Research accomplishments and future goals in particle physics
[DE91-007547] 10 p1594 N91-18793
WHITAKER, JEFFREY STUART
On the initiation of surface cyclones by upper tropospheric disturbances 20 p3376 N91-28704
WHITAKER, JOHN F.
Characterization of devices, circuits, and high-temperature superconductor transmission lines by electro-optic testing
[NASA-CR-187950] 11 p1696 N91-19343
WHITAKER, MIKE
Results of the recent precipitation static flight test program on the Navy P-3B antisubmarine aircraft
24 p4050 N91-32626
Activation of the Navy's indirect effects lightning simulation laboratory 24 p4051 N91-32628
WHITAKER, R. B.
Thermal analyses for quality control of plastics, ceramics, and explosives
[DE91-002701] 06 p0836 N91-14622
WHITAKER, R. W.
Comparison of noise reduction systems
[DE91-015318] 23 p3925 N91-31929
WHITAKER, RODNEY W.
Infrasonic observations of large-scale HE events
08 p1216 N91-16694
The correction of infrasound signals for upper atmospheric winds 08 p1216 N91-16695
WHITBECK, M. R.
Sampling and analysis of organophosphorus compounds on a thermoelectric cold plate using Fourier transform infrared emission spectroscopy
[AD-A225964] 04 p0501 N91-12782
WHITBY, E. R.
Modal aerosol dynamics modeling
[PB91-161729] 18 p3006 N91-26598
WHITE, A. B.
CHARGE-2B electron gun system
[AD-A231514] 14 p2207 N91-22186

WHITE, A. R.
Hadronic photons and collider diffractive physics
[DE91-016514] 24 p4096 N91-32888
WHITE, ALAN R.
Analytic Multi-Regge Theory and the Pomeron in QCD
[DE90-012153] 08 p1223 N91-16737
WHITE, ALLAN L.
Model reduction by trimming for a class of semi-Markov reliability models and the corresponding error bound
[NASA-TP-3089] 17 p2848 N91-25741
WHITE, ALLEN B.
Winds and turbulence above San Nicolas Island during FIRE 01 p0089 N91-10522
WHITE, B.
The comparison and selection of programming languages for high energy physics applications
[DE91-017130] 24 p4100 N91-32910
WHITE, B. A.
GWSIM: A computer based design and simulation package for land based and air weapon systems
07 p1043 N91-15723
WHITE, BRUCE R.
Martian dust threshold measurements: Simulations under heated surface conditions
18 p3089 N91-27081
WHITE, C. T.
Complex route to chaos in velocity driven atoms
[AD-A230051] 12 p1976 N91-20870
WHITE, C. W.
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569
Ion-induced damage and amorphization in Si
[DE91-002358] 05 p0727 N91-14061
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
Application of ion implantation to electrochemical studies
[DE91-000708] 07 p1070 N91-15888
Formation and annealing behavior of an amorphous layer induced by tin implantation into sapphire
[DE91-015929] 24 p4108 N91-32960
WHITE, D.
Design and cost of the first commercial stretched-membrane heliostat
[DE91-016870] 23 p3891 N91-31715
WHITE, D. A.
Stripping of gas and dust from the elliptical galaxy M86 05 p0748 N91-14171
Improving risk communication through interactive training in communication skills
[DE91-008366] 13 p2070 N91-21402
WHITE, D. C.
Non-destructive on-line monitoring of MIC (microbially influenced corrosion)
[DE90-017770] 10 p1499 N91-18251
Spatial and temporal relationships between localized microbial metabolic activity and electrochemical activity of steel
[DE91-008102] 11 p1684 N91-19279
A study of carbon steel corrosion inhibition by phosphate ions and by an organic buffer using a scanning vibrating electrode
[DE91-008103] 11 p1684 N91-19280
Non-destructive monitoring of microbial biofilms at solid-liquid interfaces using on-line devices
[DE91-010777] 17 p2817 N91-25567
Effect of bacterial biofilms on carbon steel pit propagation in phosphate containing medium
[DE91-010806] 18 p2956 N91-26316
WHITE, D. E.
Development of ceramic membranes for gas separation: FY 1990 development activities
[DE91-015915] 23 p3818 N91-31300
WHITE, D. H.
A pulsed lepton source at LAMPF
[DE91-016010] 24 p4099 N91-32904
WHITE, DAWN R.
Intelligent processing for spray metal manufacturing
[AD-A226499] 05 p0636 N91-13523
WHITE, DEWEY W., JR.
Literature review on geotextiles to improve pavements for general aviation airports
[DOT/FAA/RD-90/26] 05 p0625 N91-13464
Literature review on geotextiles to improve pavements for general aviation airports
[AD-A232871] 15 p2385 N91-23199
WHITE, ELWOOD L.
The United States Air Force Academy: A bibliography, 1983-1989
[AD-A236561] 19 p3278 N91-28130
WHITE, HALBERT
Neural network representation and learning of mappings and their derivatives 13 p2140 N91-21780
WHITE, HEATHER
STB-White
[NASA-CR-187012] 04 p0477 N91-12662
WHITE, HENRY S.
Exploratory cell research and fundamental processes study in solid state electrochemical cells
[DE91-004130] 07 p1073 N91-15905
Voltammetric measurement of bimolecular electron-transfer rates in low ionic strength solutions
[AD-A229913] 12 p1865 N91-20245
Voltammetric measurement of biomolecular electron-transfer rates in low ionic strength solutions
[AD-A229918] 12 p1865 N91-20246
Correlation of electron-transfer rates with the surface density of states of native and anodically grown oxide films on titanium
[AD-A230101] 12 p1987 N91-20934
Imaging of stacking faults in highly oriented pyrolytic graphite using scanning tunneling microscopy
[AD-A229776] 12 p1990 N91-20952
WHITE, J. A.
Multigrid for hypersonic viscous two- and three-dimensional flows
[NASA-CR-187603] 22 p3612 N91-30093
An effective multigrid method for high-speed flows
[NASA-CR-187602] 22 p3613 N91-30096
WHITE, J. E.
Attitude control of a spinning rocket via thrust vectoring
[DE91-006267] 20 p3302 N91-28274
WHITE, LUTHER W.
Estimation of elastic parameters in linear and nonlinear distributed models of plates arising in large flexible space structures
[AD-A229527] 22 p3629 N91-30193
WHITE, M.
Microwave blind mate coaxial connectors
24 p3994 N91-32317
WHITE, M. E.
Shock wave/boundary layer interaction control in a generic hypersonic inlet 16 p2578 N91-24290
Developing a GIS to facilitate data analysis for environmental restoration of a large waste site
[DE91-013222] 20 p3438 N91-29078
WHITE, M. G.
Proposed UV-FEL user facility at BNL
[DE91-001131] 04 p0530 N91-12938
WHITE, MARK D.
Local entropy generation analysis of a rotary magnetic heat pump regenerator
[DE91-005520] 10 p1611 N91-18889
WHITE, MICHAEL
Synthesis and characterization of polysilanes
[AD-A235357] 18 p2965 N91-26370
WHITE, R. E.
Oxygen electrode in molten carbonate fuel cells
[DE91-005743] 10 p1541 N91-18483
WHITE, R. H.
Transport with Feynman propagators
[DE91-013566] 20 p3436 N91-29063
WHITE, R. K.
Improving risk communication through interactive training in communication skills
[DE91-008366] 13 p2070 N91-21402
WHITE, R. M.
Evaluation of charged-particle reactions for fusion applications
[DE91-014135] 20 p3419 N91-28962
WHITE, RALPH E.
New secondary batteries using electronically conductive polymer cathodes
[NASA-CR-188604] 17 p2769 N91-25322
A mathematical model of the maximum power density attainable in an alkaline hydrogen/oxygen fuel cell
[NASA-CR-188613] 17 p2804 N91-25502
WHITE, RAYMOND E., III
Accounting for the dispersion in the x ray properties of early-type galaxies 05 p0749 N91-14173
WHITE, RICHARD E.
Thermal emission from interstellar dust in and near the Pleiades 06 p0901 N91-14981
WHITE, RICHARD M.
Flexural plate wave devices for chemical analysis
[AD-A234129] 18 p2946 N91-26254
WHITE, RICHARD P., JR.
Advanced Dynamic Anthropomorphic Manikin (ADAM) design report
[AD-A234761] 18 p3036 N91-26756
WHITE, RONALD
Spacelab life sciences 1: Reprints of background life sciences publications
[NASA-TM-104962] 17 p2818 N91-25571
WHITE, RONALD J.
A systems approach to the physiology of weightlessness 17 p2820 N91-25584
WHITE, ROSCOE B.
Statistical mechanics using symbolic dynamics
20 p3416 N91-28940
WHITE, STEVEN
Distributed problem solving: Adaptive networks with a computer intermediary resource
[AD-A226346] 04 p0570 N91-13166
WHITE, T. W.
Vulnerability of the US to future sea level rise
[NASA-TM-105018] 19 p3186 N91-27617
WHITE, TERRY F.
NASA/DOD aerospace knowledge diffusion research project: Report to phase 1 respondents
[NASA-TM-102772] 09 p1423 N91-17835
Summary report to phase 1 respondents including frequency distributions
[NASA-TM-102773] 12 p1996 N91-20988
NASA/DOD aerospace knowledge diffusion research project. Phase 2: Respondents including frequency distributions
[NASA-TM-104063] 14 p2339 N91-22931
NASA/DOD aerospace knowledge diffusion research project. Faculty and student respondents
[NASA-TM-104085] 16 p2698 N91-24943
NASA/DoD aerospace knowledge diffusion research project. Phase 3: Faculty and student respondents including frequency distributions
[NASA-TM-104086] 17 p2885 N91-25950
NASA/DoD aerospace knowledge diffusion research project: Phase 3 academic library respondents including frequency distributions
[NASA-TM-104095] 24 p4117 N91-33013
WHITE, VIRGINIA
Evaluation of oceanic flight deck workload and error reductions through the use of data communications
24 p3959 N91-32128
WHITE, W. E.
Ion yields from strong optical field ionization experiments using 100 femtosecond laser pulses
[DE91-011200] 17 p2781 N91-25389
WHITEHEAD, B. A.
A neural network for the analysis of aircraft test data
17 p2733 N91-25133
WHITEHEAD, J. DOUGLASS
TDRSS momentum unload planning
14 p2312 N91-22771
WHITEHOUSE, C. R.
Quantum well infrared detectors: An introduction
07 p0941 N91-15158
WHITEHOUSE, D. J.
Dynamic aspects of scanning surface instruments and microscopes
[ME-84] 08 p1151 N91-16339
WHITEHOUSE, STEPHEN ROBERT
Dynamic response of composite beams using shear-deformable finite elements
[AD-A227975] 08 p1164 N91-16408
WHITELAW, J. H.
International Union of Theoretical and Applied Mechanics (IUTAM) Symposium on Aerothermodynamics in Combustors
[AD-A237943] 21 p3514 N91-29516
WHITEMAN, C. D.
Energetics of valley and basin atmospheres during the evening transition and nighttime periods
[DE90-016356] 01 p0093 N91-10542
WHITEMORE, HENRY B.
Method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-3] 18 p3034 N91-26747
WHITESIDE, J. B.
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
WHITESIDES, GEORGE M.
Isotropic exchange in the platinum-catalyzed reduction of olefins in protic solvents
[AD-A234828] 18 p2939 N91-26208
The reduction by deuterium on platinum black of exo-2-norbornyl and endo-2-norbornyl to norbornane-2-d occurs with predominant retention of configuration
[AD-A235057] 18 p2950 N91-26277
Heterogeneous catalysis on platinum and self-assembled monolayers on metal and metal oxide surfaces
[AD-A235055] 18 p2954 N91-26302
Reduction of C bonds proceeds with retention of configuration: Stereochemical investigation of the heterogeneous reduction by dideuterium of (Homohypostrophene) Neopentyl (2-Norbornyl) Platinum (II) complexes on platinum black
[AD-A235515] 19 p3116 N91-27218
WHITESON, R.
An application of neural networks to process and materials control
[DE91-016016] 23 p3918 N91-31886

WHITFIELD, R. G.
Assessing the risk of chronic lung injury attributable to long-term ozone exposure
[DE91-016814] 24 p4073 N91-32757
Evaluation of knowledge-based system development tools
[DE91-017241] 24 p4092 N91-32860
WHITFIELD, S. B.
Electron correlation explored through electron spectrometry using synchrotron radiation
[DE91-009917] 14 p2326 N91-22850
WHITING, CHARLES W.
Medical evaluations on the KC-135 1990 flight report summary
[NASA-TM-104740] 24 p4077 N91-32776
WHITING, E. V.
SILAGE to ELLA translation
[RSRE-MEMO-4385] 01 p0110 N91-10639
Formal semantic definition of ELLA timing
[RSRE-MEMO-4436] 12 p1959 N91-20780
SPRITE-ELLA language enhancements
[RSRE-MEMO-4441] 12 p1959 N91-20781
Bidirectionality, connectivity, and instantiations in ELLA
[RSRE-MEMO-4421] 22 p3729 N91-30757
WHITING, M. A.
Finding the object proceedings addendum
[DE91-006724] 11 p1776 N91-19738
WHITLATCH, W.
Stratus surge prediction along the Central California coast
[PB91-129239] 13 p2120 N91-21668
WHITLEY, J. B.
US-Japan workshops: Q-111, Development of Plasma Facing Components and Materials for Next Large Fusion Devices, and Q-112, Vacuum and First Wall Technology for Fusion Devices
[DE91-006879] 11 p1802 N91-19896
WHITLOCK, C. H.
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475
Surface radiation observations for October 27-28, 1986 during the Wisconsin FIRE/SRB experiment 01 p0081 N91-10481
WHITLOCK, LAURA ALICE
Long-term observations of three massive x ray binary transients: 4U0115+63, V0332+53, and GX301-2 02 p0287 N91-11612
WHITLOW, JONATHAN E.
Modeling of flow systems for implementation under KATE 11 p1826 N91-20038
WHITLOW, L. W.
Deep inelastic structure functions from electron scattering on hydrogen, deuterium, and iron at 0.6 GeV2 less than or equal to Q2 less than or equal to 30.0 GeV2
[DE90-010169] 08 p1231 N91-16785
WHITMAN, CLARK E.
An examination of delta prime growth in an aluminum-lithium alloy by x ray diffraction
[AD-A227254] 06 p0808 N91-14464
WHITMARSH, C.
Design and synthesis of CVD precursors to thin film ceramic materials
[AD-A225759] 04 p0507 N91-12815
WHITMIRE, D. P.
Sublimating icy planetesimals as the source of nucleation seeds for grain condensation in classical novae 06 p0908 N91-15016
Sublimating comets as the source of nucleation seeds for grain condensation in the gas outflow from AGB stars 06 p0909 N91-15018
Planetological implications of mass loss from the early Sun 17 p2898 N91-26017
WHITMORE, BRADLEY C.
Blue ellipticals in compact groups 08 p1248 N91-16873
WHITMORE, HENRY B.
Valve for waste collection and storage
[NASA-CASE-MSC-21025-4] 06 p0856 N91-14723
Method for waste collection and storage
[NASA-CASE-MSC-21025-2] 06 p0856 N91-14724
WHITMORE, MIHRIBAN
Cognitive performance capabilities in the cockpit 16 p2543 N91-24090
WHITMORE, STEPHEN A.
A preliminary look at techniques used to obtain airdata from flight at high angles of attack
[NASA-TM-101729] 05 p0623 N91-13453
The effects of pressure sensor acoustics on airdata derived from a High-angle-of-attack Flush Airdata Sensing (HI-FADS) system
[NASA-TM-101736] 09 p1284 N91-17060
Preliminary results from an airdata enhancement algorithm with application to high-angle-of-attack flight
[NASA-TM-101737] 11 p1650 N91-19095
WHITNEY, DONALD A.
Development of flashlamp-pumped Q-switched Ho:Tm:Cr:YAG lasers for mid-infrared LIDAR application 19 p3276 N91-28120
WHITNEY, K. G.
Non-Maxwellian electron distribution functions in z-pinch plasmas
[AD-A224702] 03 p0420 N91-12348
WHITON, ROBERT S.
Evaluation of particle beam liquid chromatography/mass spectrometry for the analysis of polar semivolatile organic compounds in air samples
[PB91-127746] 12 p1921 N91-20568
WHITT, WARD
Estimating the asymptotic variance with batch means
[AD-A228293] 08 p1211 N91-16667
The asymptotic validity of sequential stopping rules for stochastic simulations
[AD-A228896] 08 p1211 N91-16668
WHITTAKER, J. W.
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330
WHITTAKER, JULIAN K.
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532
WHITTEMORE, G. R.
Full-field Fabry-Perot interferometer
[DE91-014610] 21 p3518 N91-29540
VISAR: Line-imaging interferometer
[DE91-014749] 21 p3519 N91-29542
WHITTEN, D. G.
Photoinduced electron transfer processes in homogeneous and microheterogeneous solutions
[DE91-007582] 11 p1793 N91-19836
WHITTEN, JERRY L.
Theoretical studies of chemisorption and surface reactions on nickel and silicon
[DE91-004171] 07 p0975 N91-15353
WHITTEN, W. B.
Progress in the detection of single molecules in levitated droplets
[DE91-000612] 05 p0635 N91-13517
Ultrasensitive molecular fluorescence spectroscopy in levitated microdroplets
[DE91-000621] 08 p1110 N91-16095
Chemical characterization of microparticles by laser ablation in an ion trap mass spectrometer
[DE91-012513] 20 p3308 N91-28309
Fundamental studies of chemical vapor deposition diamond growth processes
[DE91-015324] 21 p3491 N91-29374
WHITTENBERGER, J. D.
Low-density, high-strength intermetallic matrix composites by XD (trademark) synthesis
[NASA-TM-103724] 11 p1675 N91-19233
WHITTENBERGER, J. DANIEL
Mechanical strength and thermophysical properties of PM212: A high temperature self-lubricating powder metallurgy composite
[NASA-TM-103694] 13 p2054 N91-21302
WHITTET, D. C. B.
The 3 micron spectrum of NGC 4565 05 p0740 N91-14132
WHITTIER, JACK
Southern New Mexico low temperature geothermal resource economic analysis
[PB91-105353] 09 p1355 N91-17443
WHITTIER, R.
Constant propellant use rendezvous scenario across a launch window for refueling missions 09 p1293 N91-17104
WHITTUM, D. H.
Simulation of a standing-wave free-electron laser
[DE91-007330] 11 p1710 N91-19418
Theory of the ion-channel laser
[DE91-007643] 11 p1711 N91-19423
WHORTON, M.
A simulation of the instrument pointing system for the Astro-1 mission
[NASA-TM-103547] 21 p3605 N91-30061
WHYTE, WAYNE A.
Digital CODEC for real-time processing of broadcast quality video signals at 1.8 bits/pixel 15 p2539 N91-24067
WHYTE, WAYNE A., JR.
Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] 05 p0648 N91-13598
Data compression for full motion video transmission
[NASA-TM-105239] 24 p3983 N91-32247
Millimeter wavelength communications applications for the SEI
[NASA-TM-105275] 24 p3989 N91-32267
WIBBELSMAN, R. C.
Cold weather jet engine starting strategies made possible by engine digital control systems 23 p3793 N91-31153
WIBLE, RICHARD V.
Technology and design considerations for an advanced theater transport 10 p1466 N91-18085
WICHMAN, KEITH D.
Real-time in-flight engine performance and health monitoring techniques for flight research application
[NASA-TM-104239] 22 p3619 N91-30132
WICHMANN, B. A.
Approved Ada uniformity issues
[NPL-DITC-172/91] 24 p4083 N91-32809
The language compatible arithmetic standard and Ada
[NPL-DITC-173/91] 24 p4083 N91-32810
WICKENS, CHRISTOPHER D.
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193
Information extraction from visual displays and the event-related brain potential
[AD-A227063] 06 p0855 N91-14722
The object display: Principles and review of experimental findings
[AD-A226883] 06 p0867 N91-14796
The object display in decision making and judgment
[AD-A227059] 06 p0885 N91-14889
WICKER, LOUIS JOHN
A numerical simulation of a tornado-scale vortex in a three-dimensional cloud model 20 p3376 N91-28705
WICKERSHEIMER, DAVID
Tutorial guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228402] 10 p1568 N91-18624
User's guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228456] 10 p1569 N91-18625
WICKHAM, G.
Evaluation of virtual cockpit concepts during simulated missions
[RAE-TM-MM-36] 12 p1889 N91-20385
WICKHAM, K. R.
Recent advancements in monolithic AlGaAs/GaAs solar cells for space applications 22 p3634 N91-30220
WICKLAND, DIANE E.
NASA 1990 Multisensor Airborne Campaigns (MACs) for ecosystem and watershed studies 17 p2792 N91-25447
WICKRAMASINGHE, N. C.
The microwave background: Its smoothness and frequency distribution as an astrophysical product 13 p2173 N91-21992
WICKRAMASINGHE, N. CHANDRA
Interpretation of comet Halley's dust continuum in the UV 09 p1432 N91-17888
WIDAY, DAVID
Failure mechanisms on GaAs integrated circuits: Electromigration on GaAs
[AD-A237352] 21 p3505 N91-29451
WIDGOFF, M.
A research program in experimental high energy physics
[DE91-016208] 23 p3926 N91-31941
WIDRIG, R. D.
SPGD: A central power system for space
[DE91-012610] 20 p3302 N91-28276
WIDROW, BERNARD
First-order gradient descent training of adaptive discrete-time dynamic networks
[AD-A236796] 19 p3234 N91-27883
WIDROW, LAWRENCE M.
Aspects of reheating in first-order inflation
[NASA-CR-188705] 20 p3443 N91-29108
WIDYA, ING
On the design and formal specification of a transaction processing protocol
[MEMO-INF-90-66] 14 p2302 N91-22717
WIE, BONG
Periodic-disturbance accommodating control of the space station for asymptotic momentum management
[NASA-CR-187264] 03 p0319 N91-11783
WIECZOREK, JOHANNES
Registration of windfall damage in the eastern Hunsrueck Plateau (Fed. Republic of Germany) utilizing LANDSAT TM data: A landscape-ecological analysis for practical forestry
[DLR-FB-90-31] 13 p2107 N91-21601
WIEDEMAN, S.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285

Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480

WIEDEMANN, GUENTER R.
Imaging high-resolution spectroscopy in the thermal infrared for planetary atmosphere studies
10 p1623 N91-18952

WIEDEMANN, J.
The Hybrid Construction Systems: A contribution to the possibilities of weight reducing for metal disk frameworks by unidirectional fiber reinforcement
[ILR-MITT-254(1991)] 22 p3645 N91-30289

WIEDEMANN, KARL E.
Oxidation characteristics of Ti-25Al-10Nb-3V-1Mo intermetallic alloy
[NASA-TP-3044] 05 p0635 N91-13522

WIEDER, H. H.
Research on materials and components for opto-electronics signal processing and computing
[AD-A230071] 12 p1980 N91-20895

WIEDERHOLD, GIO
A mediator architecture for abstract data access
[AD-A227362] 06 p0857 N91-14730

WIEDERMANN, A. H.
A method for pressure-pulse suppression in fluid-filled piping
[DE90-010408] 08 p1137 N91-16260

WIEDERSICH, H.
Evolution of defect cluster distributions during irradiation
[DE91-013405] 20 p3429 N91-29024
Formation of defect structures in metals during irradiation
[DE91-015548] 23 p3815 N91-31278

WIEDWALD, J.
Time response of fast-gated microchannel plates used as x ray detectors
[DE91-006243] 09 p1330 N91-17308

WIEDWALD, J. D.
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385

WIEGAND, H.
Aerodynamics and stabilization of combustion of hydrogen jets injected into subsonic airflow
15 p2378 N91-23164

WIEGEL, J.
Microbiology and physiology of anaerobic fermentations of cellulose
[DE91-015239] 21 p3548 N91-29712

WIELECKO, J. P.
Toward a unified dynamic model for heavy ion reactions: Exclusive measurements of Br + Al and Ni + Mg at incident energies near 10 MeV/amu
[DE91-011374] 17 p2862 N91-25828

WIELICKI, BRUCE A.
ERBE and AVHRR Cirrus cloud fire study
01 p0079 N91-10472
FIRE Cirrus on October 28, 1986: LANDSAT; ER-2; King Air; theory 01 p0081 N91-10480

WIELICKI, BRUCE M.
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987
01 p0092 N91-10534

WIEMAN, CARL E.
Spontaneous force optical traps
[AD-A228539] 08 p1155 N91-16363

WIEMAN, SHARON A.
Multiple channel satellite analysis of cirrus
[AD-A238054] 21 p3543 N91-29687

WIENER, EARL L.
Human factors of the high technology cockpit
02 p0163 N91-10943
Human factors of flight-deck checklists: The normal checklist
[NASA-CR-177549] 19 p3103 N91-27144

WIENS, GLORIA J.
Verification of component mode techniques for flexible multibody systems 10 p1635 N91-19021

WIERDA, DERK A.
Reduction of C bonds proceeds with retention of configuration: Stereochemical investigation of the heterogeneous reduction by dideuterium of (Homohypostrophene) Neopentyl (2-Norbornyl) Platinum (II) complexes on platinum black
[AD-A235515] 19 p3116 N91-27218

WIERSMA, G. B.
The role of quality assurance in the monitoring of terrestrial ecosystems
[DE90-010986] 08 p1174 N91-16461

WIESELTHIER, JEFFREY E.
Movable-boundary channel-access schemes for integrated voice/data networks
[AD-A227331] 08 p1125 N91-16186
The application of Hopfield neural network techniques to problems of routing and scheduling in packet radio networks
[AD-A229039] 09 p1324 N91-17271

WIESEMAN, CAROL
Development and testing of controller performance evaluation methodology for multi-input/multi-output digital control systems 14 p2230 N91-22337

WIESENFELD, KURT
Nonlinear dynamics of Josephson junction parametric amplifier arrays
[AD-A237451] 21 p3505 N91-29454

WIESERMAN, W. R.
Comparison of high temperature, high frequency core loss and dynamic B-H loops of two 50 Ni-Fe crystalline alloys and an iron-based amorphous alloy
[NASA-TM-105205] 24 p4008 N91-32412

WIESINGER, H. P.
Critical current densities in neutron irradiated high-T(sub c) single crystals
[DE90-017794] 03 p0421 N91-12355

WIESLER, DAVID G.
In-situ surface x ray scattering measurements of electrochemically deposited bismuth on silver (III): Structure, compressibility, and comparison with ex-situ leed measurements
[AD-A232624] 15 p2505 N91-23880

WIESMANN, H. J.
Microstructures and dc critical currents in textured Y-Ba-Cu-oxides
[DE91-000895] 08 p1234 N91-16803
Observations of vortex structure in YBa2Cu3O7
[DE91-000900] 08 p1234 N91-16804

WIESMANN, THEODOR
High power optical transmitter package
[ETN-90-98197] 04 p0531 N91-12945

WIEST, G.
Vertically moving visual stimuli and vertical vection: A tool against space motion sickness
11 p1747 N91-19606

WIETING, ALLAN R.
Thermal-structural finite element analysis using linear flux formulation
[NASA-TM-102746] 03 p0379 N91-12115

WIGGENRAAD, JACOBUS FREDERIKUS M.
Analysis of the interlaminar stress components at the skin/stiffener interface of an advanced-concept stiffened panel 09 p1351 N91-17421

WIGGINS, CARL M.
On the HEMP (High-Altitude Electromagnetic Pulse) environment for protective relays
[DE91-001880] 07 p0999 N91-15488

WIGGINS, STEPHEN
Lobe area in adiabatic Hamiltonian systems
[DE90-016566] 01 p0113 N91-10663

WIGGINS, VINCE L.
Neural networks: A primer
[AD-A235920] 22 p3747 N91-30881

WIGGS, MICHAEL S.
Tomographic separation of composite spectra. The components of Plaskett's Star
[NASA-CR-184665] 19 p3263 N91-28050

WIGHT, CHARLES A.
Photoinitiated chain reactions in low temperature solids
[AD-A230131] 12 p1877 N91-20320

WIGHT, S. A.
A controlled dispersion parallel wavelength x ray spectrometer for electron microscopy
[DE91-012011] 20 p3349 N91-28544

WIGHTMAN, FREDERIC
Field measurement of head related transfer functions
[AD-A227850] 08 p1218 N91-16708

WIGHTMAN, FREDERIC L.
Hearing in three dimensions: Sound localization
[NASA-CR-187706] 05 p0712 N91-13971

WIGLEY, T. M. L.
Detection of CO2-induced climatic change
[DE91-004595] 07 p1027 N91-15637

WIHSTUTZ, VOLKER
Lyapunov exponents and rotation numbers of linear systems with real noise
[AD-A234729] 18 p3051 N91-26846

WIJBENGA, A.
WASP, the Weapon Analysis and Simulation Program
[FEL-90-A322] 24 p4084 N91-32813

WIJCHERS, T.
Solid fuel combustion chamber
[LR-648] 11 p1673 N91-19222

WIJEWARDENA, K. A. I. L.
Adsorption on cadmium telluride and mercury telluride surfaces 07 p0974 N91-15348

WIJEWARDHANA, L. C. R.
Research in particle theory
[DE91-010749] 15 p2504 N91-23872

WIJKER, J. J.
Solar array qualification through qualified analysis
16 p2646 N91-24651

WIJNBERGEN, JAN J.
FIR and sub-mm direct detection spectrometers for spaceborne astronomy 13 p2178 N91-22026

WIJNEN, PETRUS WILHELMUS JOHANNES GERARDUS
A spectroscopic study of silica gel formation from aqueous silicate solutions
[ETN-91-99164] 14 p2244 N91-22412

WIJNHEIJMER, M. L.
Specifying, buying and accepting a flight simulator
03 p0315 N91-11762

WIKER, STEVEN F.
Impact of inertia, friction, and backlash upon force control in telemanipulation 12 p1935 N91-20648
Comparison of force and tactile feedback for grasp force control in telemanipulation 12 p1937 N91-20655

WIKLIND, T.
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
05 p0739 N91-14125
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
Proceedings of 146th IAU Symposium on Dynamics of Galaxies and Molecular Cloud Distribution
[PB91-123661] 11 p1819 N91-19994

WIKLIND, TOMMY
The molecular cloud content of early type galaxies
05 p0740 N91-14127

WILBANKS, T. J.
Preparations for a major international symposium on electricity and the environment
[DE90-010539] 08 p1171 N91-16449

WILBER, GEORGE F.
Intelligent real-time knowledge based inflight mission management 17 p2732 N91-25128

WILBUR, MATTHEW L.
Vibratory loads data from a wind-tunnel test of structurally tailored model helicopter rotors
[NASA-TM-4265] 19 p3099 N91-27120

WILBUR, P.
A tribological investigation of the graphite-to-diamond-like behavior of amorphous carbon films ion-beam-deposited on ceramic substrates
[DE91-010816] 18 p2967 N91-26379

WILBUR, PAUL J.
Laboratory experiments on plasma contactors
09 p1403 N91-17720
Plasma contactor research, 1990
[NASA-CR-187097] 13 p2155 N91-21880
Advanced electric propulsion research - 1990
[NASA-CR-187103] 17 p2741 N91-25171

WILBURN, A. M.
Shipboard acoustic Doppler current profiler data collected during the Subtropical Atlantic Climate Studies (STACS) project
[PB91-178400] 19 p3203 N91-27707

WILBURN, ANNE MARIE
Current velocity and hydrographic observations in the southwestern North Atlantic Ocean: Subtropical Atlantic Climate Studies (STACS), 1989
[PB91-115535] 13 p2123 N91-21685

WILBURN, COLIN D.
Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484
Performance measurements of hybrid PIN diode arrays
[DE90-010308] 08 p1232 N91-16790

WILCHEK, MEIR
Avidin-biotin technology 14 p2294 N91-22685
High performance thiophilic adsorption for antibody purification 14 p2294 N91-22687

WILCOX, D. R.
Backplane bus distributed realtime clock synchronization
[AD-A234476] 18 p2987 N91-26491

WILCOX, FLOYD J., JR.
Experimental investigation of porous-floor effects on cavity flow fields at supersonic speeds
[NASA-TP-3032] 11 p1639 N91-19042
Passive venting technique for shallow cavities
[NASA-CASE-LAR-13875-1] 19 p3105 N91-27156

WILCOX, KATHERINE G.
The environment power system analysis tool development program 09 p1405 N91-17734
The environment workbench: A design tool for Space Station Freedom 12 p1950 N91-20727

WILCOX, L. D.
Density estimation using optimally quantized histograms
[PB90-190588] 01 p0116 N91-10686
WILCOX, S.
SERI Solar Radiation Resource Assessment Project
[DE91-002164] 24 p4040 N91-32575
WILCOX, W. R.
Effect of convection on the microstructure of a lamellar eutectic growing with a stepped interface
[NASA-CR-187943] 10 p1499 N91-18250
Solution growth of Triglycine Sulfate (TGS) crystals on the International Microgravity Laboratory (IML-1)
19 p3269 N91-28080
WILCOX, WILLIAM R.
Influence of convection on microstructure
[NASA-CR-186996] 04 p0503 N91-12795
A novel approach to determine the heat transfer coefficient in directional solidification furnaces
[NASA-CR-187648] 06 p0884 N91-14885
Directional solidification of Pb-Sn eutectics with vibration
[NASA-CR-187942] 12 p1868 N91-20264
Modelling directional solidification
[NASA-CR-188155] 14 p2245 N91-22419
Directional solidification of Pb-Sn eutectic with vibration 14 p2245 N91-22421
WILCZYNSKI, J.
Imaging performance and tests of soft x ray telescopes
[DE91-007557] 12 p2000 N91-21010
WILD, E. F.
Assessment of the application of the working group 22 standard bump concept to a current military aircraft
20 p3285 N91-28166
WILD, J. CHRISTIAN
A software development and evolution model based on decision-making
[NASA-CR-187889] 16 p2667 N91-24758
WILD, JUERGEN H.
International cooperation in aeronautical research and development carried out by international organisations
04 p0462 N91-12586
WILD, W.
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
05 p0739 N91-14125
High angular resolution mm- and submm-observations of dense molecular gas in M82
05 p0761 N91-14230
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
The molecular interstellar medium and the near-infrared continuum of the barred liner NGC 6764
[MPE-PREPRINT-193] 15 p2532 N91-24029
WILD, WOLFGANG
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236
WILDE, NORMAN
Understanding program dependencies
[AD-A235700] 19 p3219 N91-27796
WILDE, PETER
On the mapping properties of boundary integral operators for Navier-Stokes like equations
[FFA-TN-1989-41] 13 p2081 N91-21467
Existence and uniqueness results for problems arising in connection with the incompressible Navier-Stokes equations
[FFA-TN-1989-43] 13 p2081 N91-21468
On missing boundary conditions with unsteady incompressible Navier-Stokes flows
[FFA-TN-1990-45] 16 p2623 N91-24526
Methods to enhance the accuracy of finite volume schemes 2
[FFA-147] 18 p2982 N91-26466
WILDER, B.
Evaluation of filled elastomers
[DE90-010338] 09 p1317 N91-17229
WILDERMAN, S. J.
Single-scatter Monte Carlo compared to condensed history results for low energy electrons
[DE91-015176] 21 p3573 N91-29869
WILDERMUTH, D.
X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060
Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228
WILDERMUTH, EBERHARD
Analytical and experimental investigation of transverse flow aerodynamic windows for high power lasers
[DLR-FB-90-33] 08 p1156 N91-16367
WILES, K.
Design of lightning protection for a full-authority digital engine control 24 p4066 N91-32717
Certification of lightning protection for a full-authority digital engine control 24 p4067 N91-32718
WILEY, CATHY J.
User's guide to the (NCARAI) artificial intelligence technical library
[AD-A237270] 21 p3563 N91-29802
WILEY, D. R.
Hybrid propulsion technology program: Phase 1, volume 1
[NASA-CR-183972] 01 p0019 N91-10111
Hybrid propulsion technology program: Phase 1, volume 2
[NASA-CR-183973] 01 p0019 N91-10112
Hybrid propulsion technology program: Phase 1. Volume 3: Thiokol Corporation Space Operations
[NASA-CR-183974] 01 p0019 N91-10113
Hybrid propulsion boosters for space launch vehicles
16 p2571 N91-24249
WILEY, ROGER W.
Visual Survey of Apache Aviators (VISAA)
[AD-A230201] 12 p1931 N91-20624
WILFORD, J. R.
Remote sensing of natural hydrocarbon seepage at the Palm Valley Gas Field, Amadeus Basin, central Australia
19 p3198 N91-27680
WILGEN, J. B.
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947
WILHELM, D.
AFDM: An Advanced Fluid-Dynamics Model. Volume 1: Scope, approach, and summary
[DE90-016723] 01 p0041 N91-10239
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017537] 01 p0041 N91-10242
AFDM: An Advanced Fluid-Dynamics Model. Volume 2: Topologies, flow regimes and interfacial areas
[DE91-000581] 08 p1141 N91-16283
WILHELM, KNUT
Evaluation techniques for highly augmented aircraft
[DLR-FB-90-35] 15 p2383 N91-23191
WILHELMSSON, HANS
Equilibria and dynamics of temperature in a fusion reactor plasma 20 p3415 N91-28937
WILK, RICHARD D.
Kinetic modeling of ethene oxidation at low and intermediate temperatures
[DE90-005998] 09 p1305 N91-17163
WILKE, G.
The improvement of the installation of the DLR research aircraft Falcon: Description and first results
14 p2289 N91-22657
WILKE, G. D.
Platinum solubility in phosphate laser glass
[DE91-015123] 20 p3353 N91-28571
Thermal-mechanical and physical-chemical properties of phosphate laser glasses
[DE91-016604] 24 p3979 N91-32227
Spectroscopic properties of Nd3+ dopant ions in phosphate laser glass
[DE91-017665] 24 p4112 N91-32985
WILKE, R. J.
Inorganic carbon surveys of oceanic basins
[DE91-011132] 18 p3019 N91-26667
WILKE, W.
The 1989 annual catalog of the German Aerospace Establishment: Research reports and communications
[ISSN-0172-357X] 08 p1269 N91-16987
WILKEIT, R.
Spacecraft autonomy concept validation by simulation: A feasibility assessment
[MBB-UO-0100-90-PUB] 04 p0493 N91-12741
Spacecraft autonomy concept validation by simulation: A feasibility assessment 14 p2215 N91-22243
WILKERSON, J. B.
Technology needs for high-speed rotorcraft, volume 1
[NASA-CR-177585] 18 p2925 N91-26139
WILKERSON, J. C.
Development of a validation model for the defense meteorological satellite program's special sensor microwave imager
[NASA-CR-187369] 02 p0241 N91-11342
WILKERSON, T. D.
Progress of research on water vapor lidar
[NASA-CR-187673] 05 p0690 N91-13837
WILKES, DONALD R.
Thermal control surfaces experiment (S0069) initial materials evaluation 16 p2716 N91-25035
Unusual materials effects observed on the thermal control surfaces experiment (S0069)
16 p2716 N91-25036
Thermal control surfaces experiment (SOO69) flight systems performance 16 p2724 N91-25088
Thermal control surfaces experiment: Initial flight data analysis
[NASA-CR-188600] 17 p2738 N91-25156
Thermal control surfaces experiment flight system performance
[NASA-TM-105036] 22 p3629 N91-30194
WILKES, GARTH L.
The development and evaluation of an alternative powder prepregging technique for use with LaRC-TPI/graphite composites
[NASA-CR-188184] 15 p2392 N91-23242
WILKES, R. JEFFREY
Elementary particle physics: Experimental
[DE91-005574] 09 p1395 N91-17679
WILKING, BRUCE A.
An ADP proposal to study the formation and evolution of dust-embedded clusters
[NASA-CR-186793] 05 p0732 N91-14089
WILKINS, J. W.
Strongly interacting fermion systems
[DE91-012284] 20 p3401 N91-28848
WILKINS, NATHAN
Development of a stable electro-optical modulator
[NASA-CR-188757] 22 p3755 N91-30931
WILKINSON, A.
Enhanced fading rates produced during ionospheric modification 10 p1548 N91-18519
WILKINSON, J. P.
Flight Set 360L006 STS-34 field joint protection system, thermal protection system, and systems tunnel components, volume 4
[NASA-CR-184050] 06 p0800 N91-14415
Space Shuttle production verification motor 1 (PV-1) field joint protection system, volume 7
[NASA-CR-184105] 10 p1491 N91-18208
WILKINSON, JAMES H.
Numerical considerations in computing invariant subspaces
[DE91-004928] 09 p1393 N91-17667
WILKINSON, JEFFREY P.
The Phoenix Pluto Probe 08 p1102 N91-16053
WILKINSON, JOHN
KSC's work flow assistant 12 p1941 N91-20680
WILKINSON, P. J.
Neutral winds derived from IRI parameters and from the HWM87 wind model for the sundial campaign of September, 1986
[NASA-TM-103445] 01 p0093 N91-10543
Solar-Terrestrial Predictions. Proceedings of a Workshop. Volume 1: Working group reports, review papers and solar papers
[PB91-197079] 22 p3777 N91-31064
Solar-Terrestrial Predictions: Proceedings of a workshop. Volume 2: Geomagnetic and space environment papers and ionosphere papers
[PB91-197087] 22 p3777 N91-31065
WILKINSON, WILLIAM P.
Secondary side CMOS feedback control integrated circuit
[AD-A224580] 04 p0517 N91-12877
WILKISON, ROBERT MURRELL, JR.
Geostationary orbital crowding: An analysis of problems and solutions
[AD-A224581] 03 p0317 N91-11777
WILKS, S. C.
Novel plasma-based frequency upshift methods for short pulse lasers
[DE91-000411] 03 p0370 N91-12076
Optically-ionized plasma recombination x ray lasers
[DE91-007261] 11 p1802 N91-19898
Theory and simulation of Raman scattering in intense, short pulse laser plasma interactions
[DE91-008734] 12 p1984 N91-20915
Saturation and kinetic issues for optical-field-ionized plasma x ray lasers
[DE91-012079] 18 p2991 N91-26517
WILLAN, UWE
Integration of model and knowledge based diagnosis, with the example of a turbojet engine
[ETN-90-97900] 02 p0181 N91-11019
WILLARD, T. Z.
Inflight estimation of gyro noise
09 p1287 N91-17076
WILLE, L. T.
In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783
Experimental and theoretical characterization of the YBa2Cu3O7 / YBa2Cu4O8 phase transformation
[DE90-015309] 14 p2330 N91-22871

Theoretical studies of metallic alloys
[DE91-016486] 23 p3815 N91-31281
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958
WILLEBEEK-LEMAIR, MARC HUBERT
Dynamic load balancing on highly parallel multicomputer systems 15 p2488 N91-23777
WILLEMIN, PHILIPPE
The classical microwave frequency standards 17 p2850 N91-25757
WILLEMS, ALVIN M.
The TOPEX ground data system 14 p2209 N91-22201
WILLEMS, G. C.
Ship roll stabilization and human performance
[AD-A232721] 15 p2478 N91-23721
WILLEMS, M.
Knowledge graphs versus conceptual graphs
[MATHS-MEMO-876] 10 p1572 N91-18645
Quantification in knowledge graphs
[PB91-185819] 22 p3744 N91-30861
WILLEMS, P. Y.
Symbolic generation of aircraft simulation programmes 07 p1044 N91-15727
WILLEMS, P.-Y.
Aircraft dynamics for air traffic control 02 p0173 N91-10985
WILLEMSEN, HARRY
Cells in space: Sounding rocket facilities for cell biology and biotechnology in microgravity 11 p1756 N91-19661
WILLES, E. H., JR.
The intelligent database: Using INGRES to manage the external analysis of your data
[DE91-010465] 15 p2524 N91-23986
WILLET, D. R.
Research on stable, high-efficiency, large-area amorphous silicon based modules, task B
[DE91-002115] 10 p1539 N91-18474
WILLIAM, DAVID L.
Advantages of the Community Climate Model (CCM) concept
[PB90-256348] 02 p0235 N91-11314
WILLIAMS, A.
Computer simulations of ions in radio-frequency traps 03 p0354 N91-11975
WILLIAMS, A. L.
Millstone angle calibration, 1989
[AD-A229008] 09 p1324 N91-17270
The effect of body shape on the development of vortex asymmetry in the flow past slender bodies
[BU-413] 11 p1644 N91-19068
WILLIAMS, B. A.
VLA neutral hydrogen imaging of compact groups 08 p1248 N91-16872
WILLIAMS, B. R.
Comparison of solution of various Euler solvers and one Navier-Stokes solver for the flow about a sharp-edged cropped delta wing
[ETN-91-99508] 22 p3614 N91-30106
WILLIAMS, C. H.
The computer simulation of digital recording systems
[BBC-RD-1990/14] 08 p1200 N91-16595
WILLIAMS, C. J.
Method for evaluating the high strain-rate compressive properties of thick composite laminates
[AD-A226871] 07 p0969 N91-15321
WILLIAMS, CAROL S.
A comparative study of seminiferous tubular epithelium from rats flown on Cosmos 1887 and SL3 19 p3266 N91-28064
WILLIAMS, CAROLE A.
Enhancing the tolerance to Gz(+) acceleration by optimizing the use of isometric contractions in combination with straining maneuvers
[AD-A230454] 12 p1933 N91-20639
WILLIAMS, CLAUDE N.
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 1: January
[AD-A227122] 08 p1176 N91-16476
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 2: February
[AD-A227123] 08 p1177 N91-16477
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 3: March
[AD-A227124] 08 p1177 N91-16478
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 4: April
[AD-A227125] 08 p1177 N91-16479
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 7: July
[AD-A227126] 08 p1177 N91-16480
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 10: October
[AD-A227127] 08 p1177 N91-16481
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 5: May
[AD-A232977] 16 p2659 N91-24711
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 6: June
[AD-A232978] 17 p2812 N91-25543
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 8: August
[AD-A232979] 17 p2812 N91-25544
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 9: September
[AD-A232980] 17 p2813 N91-25545
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 11: November
[AD-A232981] 17 p2813 N91-25546
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 12: December
[AD-A232982] 17 p2813 N91-25547
WILLIAMS, D. B.
Investigation of plessite in iron meterorites and laboratory Fe-Ni(P) alloys
[DE91-010858] 18 p3084 N91-27053
The spatial resolution of x ray microanalysis in thin foils
[DE91-011949] 20 p3426 N91-29003
WILLIAMS, D. J.
Assessment of high pressure and variable pressure actuation systems by mathematical modelling
[BU-521] 14 p2197 N91-22134
WILLIAMS, D. M.
Manipulation hardware for microgravity research
[NASA-TM-103423] 06 p0814 N91-14498
WILLIAMS, DANIEL W.
Finite element based dynamical modeling of flexible open-loop manipulators with experimental results 15 p2436 N91-23496
WILLIAMS, DARREL L.
Advanced Solid-State Array Spectrometer (ASAS) data sets from the 1990 field season: A unique look at two forested ecosystems 17 p2800 N91-25488
The 1990 forest ecosystem dynamics multisensor aircraft campaign 17 p2800 N91-25490
A pointable, helicopter-based remote sensing data acquisition system for collecting bidirectional reflectance data 17 p2800 N91-25491
WILLIAMS, DAVID H.
Time-based aircraft/ATC operations study 02 p0165 N91-10959
The 4-D descent trajectory generation techniques under realistic operating conditions 02 p0175 N91-10994
Airborne four-dimensional flight management in a time-based air traffic control environment
[NASA-TM-4249] 10 p1468 N91-18096
WILLIAMS, DAVID R.
Peripheral limitations on spatial vision
[AD-A226335] 04 p0554 N91-13075
WILLIAMS, DEAN N.
Cloud forcing: A modeling perspective
[DE91-007215] 11 p1737 N91-19551
WILLIAMS, EDWARD M.
Graphical representation of parallel algorithmic processes
[AD-A231258] 13 p2136 N91-21760
WILLIAMS, F. A.
Theories of turbulent combustion in high speed flows
[AD-A236652] 19 p3127 N91-27275
WILLIAMS, F. W.
Use of a zone model for validation of a horizontal ceiling/floor vent algorithm
[AD-A234553] 18 p2983 N91-26474
WILLIAMS, G.
Using a microgravity environment to probe wave turbulence 13 p2063 N91-21355
WILLIAMS, G. A.
Electronic processes in thin film PV materials
[DE90-000359] 02 p0232 N91-11295
WILLIAMS, G. M.
Advanced optical sensing and processing technologies for the distributed control of large flexible spacecraft
[NASA-CR-4399] 23 p3874 N91-31609
WILLIAMS, G. P.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
WILLIAMS, GLEN
Response time satisfaction in a real-time knowledge-based system
[DE90-015994] 07 p1077 N91-15927
WILLIAMS, IWAN P.
Observations of comet Brorsen-Metcalf and comparisons with Halley 09 p1433 N91-17890
WILLIAMS, J. G.
IRAS asteroid families 17 p2897 N91-26011
WILLIAMS, J. M.
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461
Characterization of ion-implanted aluminum and iron by spectroscopic ellipsometry
[DE91-008371] 11 p1685 N91-19283
De Haas-van Alphen and Fermi surface studies of organic superconductors (ET)2X
[DE91-015137] 21 p3593 N91-29987
WILLIAMS, JACK M.
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582
WILLIAMS, JAMES H., JR.
NDE pattern recognition of LSS states via wave propagation
[AD-A234772] 18 p2997 N91-26549
WILLIAMS, JOHN D.
Laboratory experiments on plasma contactors 09 p1403 N91-17720
Plasma contactor research, 1990
[NASA-CR-187097] 13 p2155 N91-21880
An experimental investigation of hollow cathode-based plasma contactors
[NASA-CR-187120] 17 p2865 N91-25843
WILLIAMS, KEVIN D.
Study of balloon and thermal control material degradation aboard LDEF 16 p2714 N91-25021
The influence of flowing afterglow exposure on the degradation of various polymeric materials 16 p2714 N91-25022
WILLIAMS, LOUIS J.
NASA Aerodynamics Program
[NASA-TM-4312] 23 p3897 N91-31751
WILLIAMS, M. D.
An expanding grid photochemical model for visibility applications
[DE91-009947] 15 p2460 N91-23630
WILLIAMS, M. P.
Assessment of high pressure and variable pressure actuation systems by mathematical modelling
[BU-521] 14 p2197 N91-22134
WILLIAMS, M. S.
Channel diagnostics for the multi-pulse-propagation experiments at ATA
[DE91-009772] 15 p2431 N91-23466
WILLIAMS, MARC H.
Temporal-adaptive Euler/Navier-Stokes algorithm for unsteady aerodynamic analysis of airfoils using unstructured dynamic meshes
[NASA-TM-102734] 02 p0158 N91-10919
WILLIAMS, MICHAEL D.
Potential converter for laser-power beaming 22 p3635 N91-30228
WILLIAMS, O. M.
Turbo Pascal/GEM software interface for scientific graph preparation
[AD-A236825] 19 p3231 N91-27860
WILLIAMS, P. J.
Quantum well laser
[AD-A227303] 06 p0831 N91-14594
WILLIAMS, PATRICK LEE
Aspects of the earthquake geology and seismotectonics of the southern San Andreas and related faults 02 p0238 N91-11329
WILLIAMS, R.
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
WILLIAMS, R. E.
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
Nova LMC 1990 no. 2: The first extragalactic recurrent nova 09 p1441 N91-17944
WILLIAMS, R. H.
An XPS study of the formation of ultrathin platinum and iridium silicide layers on Si(100) and Si(110) surfaces
[AD-A230391] 12 p1989 N91-20946
WILLIAMS, R. K.
The structure and chemistry of grain boundaries in ceramic superconductors
[DE91-010138] 19 p3136 N91-27325
WILLIAMS, R. S.
Solid-phase equilibria for Metal-Silicon-Oxygen ternary systems. Part 2: Sc, Y, and La
[AD-A232150] 15 p2398 N91-23281
Luminescence and absorption spectra of C60 films
[AD-A232153] 15 p2508 N91-23900
X ray diffraction and electron spectroscopy of epitaxial molecular C60 films
[AD-A232152] 15 p2517 N91-23954

Chemistry and defects in semiconductor heterostructures, volume 148
[AD-A229585] 22 p3758 N91-30949
Epitaxial growth and electro-optical properties of metal GaAs superlattices
[AD-A239719] 23 p3933 N91-31984
WILLIAMS, R. STANLEY
Electronic study of Pt-Ga intermetallic thin films using x ray photoemission spectroscopy
[AD-A225036] 03 p0338 N91-11893
Solid-phase equilibria for metal-silicon-oxygen ternary systems 1: Mg, Ca, Sr, and Ba
[AD-A225038] 03 p0338 N91-11894
Electrical resistivity, magnetic susceptibility, and thermoelectric power of PtGa2
[AD-A225035] 03 p0359 N91-12009
Analysis of scanning tunneling microscope topographs of graphite surfaces roughened by Ar(+) ion bombardment
[AD-A225037] 03 p0359 N91-12010
Effects of tip-broadening and asymmetry on scanning tunneling microscope topographs
[AD-A224883] 03 p0369 N91-12068
Growth and reactivity of CuCl on Si(111)
[AD-A225034] 03 p0423 N91-12364
WILLIAMS, RAYMOND
Planetary spacecraft cost modeling utilizing labor estimating relationships 18 p3097 N91-27116
WILLIAMS, RICHARD S.
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594
WILLIAMS, ROBERT L., II
Forward and inverse kinematics of double universal joint robot wrists 12 p1935 N91-20645
Kinematics of the six-degree-of-freedom force-reflecting Kraft Master
[NASA-TM-104124] 23 p3917 N91-31879
WILLIAMS, ROGER M.
Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU] 06 p0821 N91-14536
WILLIAMS, S. D.
TPS design for aerobraking at Earth and Mars
[NASA-TM-104739] 22 p3762 N91-30970
WILLIAMS, S. H.
Possible Aeolian megaripples on Mars 14 p2352 N91-23008
WILLIAMS, SHAREN L.
Cloud atlas for the FIRE Cirrus Intensive Field Observation (IFO) 01 p0082 N91-10487
WILLIAMS, STEPHEN
The Copernicus project 08 p1102 N91-16052
A reusable knowledge acquisition shell: KASH 14 p2315 N91-22789
WILLIAMS, STEVEN F.
GLObal Backscatter Experiment (GLOBE) Pacific survey mission 17 p2793 N91-25452
WILLIAMS, STEVEN H.
Preliminary geologic mapping near the Nilosyrtis Mensae, Mars 14 p2352 N91-23009
WILLIAMS, T. A.
Potential impacts of global climate change on solar thermal power systems
[DE91-011239] 17 p2808 N91-25526
WILLIAMS, TREVOR
Attitude control requirements for various solar sail missions 14 p2200 N91-22150
WILLIAMS, W.
Hardware-in-the-loop simulation at the Naval Weapons Center 07 p1045 N91-15733
WILLIAMS, W. D.
Space chambers contamination diagnostics and analysis
[AD-A230248] 12 p1851 N91-20174
WILLIAMS, W. DAN
Propulsion instrumentation research 12 p1838 N91-20100
WILLIAMS, WALTER C.
X-15 concept evolution 12 p1833 N91-20072
WILLIAMS, WILLIE E.
Lincoln Advanced Science and Engineering Reinforcement (LASER) program 19 p3272 N91-28097
WILLIAMSON, DAVID P.
On-line scheduling of parallel machines
[AD-A230070] 12 p1963 N91-20799
WILLIAMSON, E. J.
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292
WILLIAMSON, KEITH
Knowledge repositories for multiple uses 14 p2317 N91-22797
WILLIAMSON, P. R.
Effects of neutral gas release on current collection during the CHARGE-2 rocket experiment 09 p1405 N91-17730
WILLIAMSON, R. C.
Materials systems for 2- to 5-micrometers wavelength diode lasers
[AD-A228218] 08 p1155 N91-16361
WILLIAMSON, R. L.
Dynamic consolidation of aluminum-silicon carbide composites
[DE91-001929] 06 p0802 N91-14427
WILLIAMSON, RONALD G.
Consideration of permanent tidal deformation in the orbit determination and data analysis for the Topex/Poseidon mission
[NASA-TM-100775] 22 p3705 N91-30619
WILLIAMSON, SAMUEL J.
Cognitive and neural bases of skilled performance
[AD-A226668] 05 p0695 N91-13869
Cognition and the brain
[AD-A237846] 21 p3550 N91-29727
WILLIGES, ROBERT C.
Adaptive human-computer interfaces using expert profiles
[AD-A226906] 06 p0855 N91-14721
WILLIS, A. J.
New results of the UV variability of the WR stars HD 50896 and HD 192163 09 p1435 N91-17907
WILLIS, CHRISTOPHER FOWLER
A study of chromium carbide precipitation at interphase boundaries in stainless steel welds
[DE91-000360] 02 p0199 N91-11113
WILLIS, DANETTE
Mars surface based factory. Phase 2, task 1C: Computer control of a water treatment system to support a space colony on Mars 19 p3274 N91-28110
WILLIS, EDWARD A.
Rotary engine technology 12 p1840 N91-20114
NASA aeropropulsion research in support of propulsion systems of the 21st century
[NASA-TM-104403] 15 p2364 N91-23083
WILLIS, J. O.
Specific heat of YBa2Cu4O8 near Tc
[DE91-005898] 10 p1605 N91-18853
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
Weak links within a Bi2Sr2Ca1Cu2O(x) single crystal by magnetization and direct optical observations
[DE91-016085] 23 p3933 N91-31979
WILLIS, J. R.
A review of theoretical and experimental work on the structure of Ge(x)Si(1-x) strained layers and superlattices with extensive bibliography
[AERE-R-13657] 14 p2329 N91-22870
WILLIS, MICHAEL GREENE
Magnetohydrodynamic modification of the TEACH-T code and the prediction of the maximum azimuthal velocity in a conducting fluid
[DE90-017510] 02 p0212 N91-11187
WILLIS, W. J.
A study of electro-optical modulators for transfer of detector signals by optical fibers
[DE91-006349] 09 p1399 N91-17701
Summary of the working group on transverse emissions from photocathodes
[DE91-008414] 11 p1712 N91-19432
Performance characteristics of Mach-Zehnder modulators for transfer of detector signals by optical fibers
[DE91-008439] 13 p2154 N91-21873
WILLMAN, WARREN W.
Probing behavior in certain optimal perturbation control laws
[AD-A229272] 09 p1284 N91-17059
WILLNECKER, R.
Experiments for electromagnetic levitation in microgravity 13 p2061 N91-21348
TEMPUS: A facility for containerless electromagnetic processing onboard spacelab 13 p2062 N91-21349
TEMPUS: First results 13 p2062 N91-21350
WILLNER, KAI
A finite element process for the examination of wave dispersion in infinitely long beams
[ILR-MITT-255(1991)] 22 p3695 N91-30570
WILLOUGHBY, ALAN J.
Momentum harvesting techniques for solar system travel 14 p2202 N91-22158
Momentum harvesting techniques for solar system travel 17 p2908 N91-26059
Stacking the odds in favor of a space propulsion jackpot 17 p2909 N91-26060
WILLS, DONALD SCOTT
Pi: A parallel architecture interface for multi-model execution
[AD-A228345] 08 p1207 N91-16640
WILLS, ROBERT W.
Phase-lock-loop application for fiber optic receiver
[NASA-TM-102776] 13 p2076 N91-21435
WILLSHIRE, KELLI F.
Technology for the Future: In-Space Technology Experiments Program, part 1
[NASA-CP-10073-PT-1] 19 p3109 N91-27177
Technology for the Future: In-Space Technology Experiments Program, part 2
[NASA-CP-10073-PT-2] 19 p3109 N91-27178
WILLSHIRE, WILLIAM L., JR.
Fourth International Symposium on Long-Range Sound Propagation
[NASA-CP-3101] 08 p1214 N91-16682
Long-range vertical propagation 08 p1216 N91-16693
WILLSON, K. R.
Initial determination of the micromechanical properties of oxide scales
[DE90-012164] 23 p3817 N91-31291
WILLSON, LEE ANNE
Preliminary interpretation of the Mg II variability of L2 Puppis 09 p1433 N91-17894
WILLSON, R. C.
Modeling solar Lyman alpha irradiance 03 p0444 N91-12483
WILLSON, RICHARD C.
Solar irradiance variability during solar cycles 21 and 22 03 p0446 N91-12493
WILLSON, ROBERT F.
Simultaneous Solar Maximum Mission (SMM) and Very Large Array (VLA) observations of solar active regions
[NASA-CR-187907] 10 p1617 N91-18916
WILNECKER, R.
Containerless solidification of a Pd-Cu-Si sample (TEXUS 9) ESA 23 p3850 N91-31466
Containerless undercooling of a Pd-Cu-Si alloy (TEXUS 14b) ESA 23 p3851 N91-31468
WILNER, D.
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020
WILS, E. R. J.
Criteria for confirmation of chemical warfare agents identification
[PML-1990-79] 22 p3648 N91-30306
How to create an instrumental database for verification: A view
[PML-1990-80] 22 p3767 N91-31004
WILSCHUT, ANNITA N.
Parallel execution of multi-join queries
[MEMO-INF-91-11] 22 p3739 N91-30828
PRISMA/DB 1.0 user manual
[MEMO-INF-91-06] 22 p3769 N91-31017
WILSON, A. S.
Deep Fabry-Perot imaging of NGC 6240: Kinematic evidence for merging galaxies 08 p1257 N91-16922
WILSON, ANTHONY
Structural tests of aircraft window assembly equipped with smoke evacuation valve
[DOT/FAA/CT-TN89/44] 01 p0009 N91-10051
WILSON, B. G.
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
WILSON, BOBBY
The formation and study of titanium, zirconium, and hafnium complexes 19 p3270 N91-28085
WILSON, C. W.
Carbon deposition in gas turbine combustors
[PNR-90692] 02 p0181 N91-11020
WILSON, CHARLES R.
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
WILSON, CHRISTINE D.
Unbound molecular complexes in M33 05 p0755 N91-14201
WILSON, CHRISTINE DIANA
Star formation and the interstellar medium in M33 09 p1427 N91-17853
WILSON, D. F.
High-temperature thermal storage systems for advanced solar receivers materials selections
[NASA-CR-187750] 06 p0841 N91-14647
Material behavior during solid particle erosion of annealed 1100 aluminum
[DE90-012593] 22 p3649 N91-30310
WILSON, DONALD R.
Visualization of unsteady transonic flow by holographic interferometry using photorefractive media
[AD-A228802] 08 p1151 N91-16336
WILSON, EDWARD M.
Initial flight test of a ground deployed system for flying qualities assessment
[NASA-TM-101700] 07 p0945 N91-15182
WILSON, F. T.
Fuselage aerodynamic design issues and rotor/fuselage interactional aerodynamics. Part 1: Practical design issues 10 p1460 N91-18052

WILSON, FREDERICK C.
Rn222, Rn222 progeny and Rn220 progeny as atmospheric tracers of air masses at the Mauno Loa Observatory
[DE90-014872] 01 p0093 N91-10539
WILSON, G. C.
LTE (Local Thermodynamic Equilibrium) and non-LTE gas temperatures in loaded and unloaded plasmas during spraying of NiAl powders
[DE91-006127] 09 p1407 N91-17742
WILSON, GARY R.
Detection and time delay estimation of non-Gaussian signals in noise
[AD-A227046] 07 p0994 N91-15455
WILSON, H. B.
Methods of applied dynamics
[NASA-RP-1262] 17 p2765 N91-25303
WILSON, HAROLD
Spectral analysis of geological magnetic signals
[DREP-TM-88-19] 22 p3707 N91-30633
WILSON, J.
Effectiveness of tiltrotor support to ground combat
[DE91-013603] 20 p3285 N91-28167
Ion beam sputtered coatings of bioglass
[NASA-CR-188778] 20 p3321 N91-28384
WILSON, J. J.
Optical inner-scale meter
[PB90-268285] 09 p1399 N91-17698
WILSON, J. W.
Progress in proton transport code development: Microelectronic application 19 p3275 N91-28114
WILSON, JIM
Analysis of air toxics emissions, exposures, cancer risks, and controllability in five urban areas. Volume 2: Controllability analysis and results
[PB90-259870] 09 p1359 N91-17468
WILSON, JOHN MOTLEY
Control of a tethered artificial gravity spacecraft
17 p2740 N91-25163
WILSON, JOHN W.
Inclusive inelastic scattering of heavy ions and nuclear correlations
[NASA-TP-3026] 05 p0714 N91-13985
Space radiation dose analysis for solar flare of August 1989
[NASA-TM-4229] 05 p0768 N91-14265
Cellular track model of biological damage to mammalian cell cultures from galactic cosmic rays
[NASA-TP-3055] 08 p1268 N91-16981
Preliminary calculation of solar cosmic ray dose to the female breast in space mission
[NASA-TM-4235] 09 p1449 N91-17997
Preliminary analysis of a radiobiological experiment for LifeSat
[NASA-TM-4236] 09 p1450 N91-17998
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
Corrections to the participant-spectator model of high-energy alpha-particle fragmentation
[NASA-TM-4262] 13 p2152 N91-21860
Improvements in computational accuracy of BRYNTRN (a baryon transport code)
[NASA-TP-3093] 14 p2354 N91-23017
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
Analyses of risks associated with radiation exposure from past major solar particle events
[NASA-TP-3137] 22 p3776 N91-31061
WILSON, JOSEPH J.
Study of bird ingestions into small inlet area aircraft turbine engines
[DOT/FAA/CT-90/13] 13 p2022 N91-21122
WILSON, JOSEPHINE
Introducing an adhesive bonding handbook for advanced structural materials 03 p0331 N91-11846
WILSON, K. KEITH
Comparison of FFP predictions with measurements of a low-frequency signal propagated in the atmosphere
08 p1217 N91-16698
WILSON, KENNETH J.
Fluid mixing device having a conical inlet and a noncircular outlet
[AD-D014708] 11 p1700 N91-19364
WILSON, L. G.
Effects of H2O, CO2, and N2 air contaminants on critical airside strain rates for extinction of hydrogen-air counterflow diffusion flames 09 p1298 N91-17126
WILSON, LARRY
Surrogate oracles, generalized dependency and simpler models
[NASA-CR-187360] 02 p0253 N91-11407
WILSON, LORI JUNE
Crystallization of proteins by dynamic control of supersaturation
[NASA-CR-188193] 16 p2693 N91-24909
WILSON, M. S.
Recent achievements in polymer electrolyte fuel cell (PEFC) research at Los Alamos National Laboratory
[DE91-013683] 20 p3369 N91-28661
WILSON, MAYWOOD L.
Continuous fiber thermoplastic prepreg
[NASA-CASE-LAR-14459-1] 07 p0972 N91-15334
WILSON, MELANIE
The formation and study of titanium, zirconium, and hafnium complexes 19 p3270 N91-28085
WILSON, MIKE
The development of an igniter for plastic thermite
[MRL-TR-90-24] 07 p0986 N91-15415
WILSON, P. B.
SLED II: A new method of RF pulse compression
[DE91-000058] 08 p1125 N91-16183
WILSON, R. D.
Research in inorganic fluorine chemistry
[AD-A238348] 22 p3647 N91-30300
WILSON, R. E.
Load response of horizontal-axis wind turbines to turbulence
[DE90-000375] 06 p0841 N91-14644
Analysis of a teetered, variable-speed rotor
[DE91-002190] 21 p3536 N91-29646
WILSON, R. G.
Temperature automation for a propellant mixer
17 p2752 N91-25232
WILSON, RAY F.
Polarographic study of cadmium 5-hydroxy 2-(hydroxymethyl) 4H-pyran-4-one complex
19 p3270 N91-28088
WILSON, ROBERT
Hydrologic and meteorological operations in the 162-174 and 406.1-420 MHz bands
[PB90-207820] 01 p0033 N91-10199
LDR: A submillimeter great observatory
13 p2176 N91-22018
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986
[NASA-CR-187589] 19 p3203 N91-27702
WILSON, ROBERT W.
Interferometry 24 p4119 N91-33022
WILSON, SCOTT C.
Late Wisconsin and early holocene glacial history, inner Ross Embayment, Antarctica 18 p3002 N91-26577
WILSON, STEVEN T.
Measuring the effectiveness of space: Satellite weather systems
[AD-A230590] 12 p1856 N91-20197
WILSON, THOMAS L.
The search for protostars in high mass star forming regions 13 p2178 N91-22030
WILSON, W.
PKS2152-69: A misdirected Blazar
09 p1444 N91-17960
WILSON, W. L.
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640
WILSON, W. W.
Research in inorganic fluorine chemistry
[AD-A238348] 22 p3647 N91-30300
WILSON, WILLIAM J.
Millimeter-wave sensor image enhancement
[NASA-CR-187430] 05 p0662 N91-13679
WILT, D. M.
Effects of proton irradiation on the performance of InP/GaAs solar cells 11 p1670 N91-19205
WILTSHIRE, DENISE A.
Selected papers in the applied computer sciences, 1990
[PB91-141689] 17 p2828 N91-25620
WIMBERLY, J.
A summary of the status of biomass conversion technologies and opportunities for their use in developing countries
[DE91-006341] 11 p1726 N91-19506
WIMMEL, ROGER
Adaptive digital real time filtering in structural dynamics: A contribution to the realization on Actively Reacting Elastic Structures (ARES) 02 p0160 N91-10929
WIN, M. Z.
Steady-state phase error for a phase-locked loop subjected to periodic Doppler inputs
10 p1511 N91-18314
WINANS, R. E.
Structure and structural diversity in resinites as determined by pyrolysis-gas chromatography-mass spectrometry
[DE91-010798] 19 p3136 N91-27327
WINANT, CLIFTON D.
Northern California coastal circulation study: Results of the pilot program: Executive summary
[PB90-261660] 09 p1369 N91-17523
Northern California coastal circulation study: Results of the pilot program
[PB90-261678] 09 p1369 N91-17524
WIND, JOERG
Structural and electronic properties of doped a-Si(1-x)Ge(x): H alloys grown with H-solution
[MBB-Z-0251-89-PUB] 03 p0424 N91-12375
WINDISCH, C. F., JR.
Final report on the characterization of the film on inert anodes
[DE91-007425] 10 p1497 N91-18239
WINDLEY, P.
Formal proof of the AVM-1 microprocessor using the concept of generic interpreters
[NASA-CR-187491] 11 p1779 N91-19756
The formal verification of generic interpreters
[NASA-CR-4403] 24 p4090 N91-32853
WINDLEY, PHILLIP J.
Generic interpreters and microprocessor verification
09 p1378 N91-17572
WINDMAR, DAN
Correlation between some current parameters and optical radiation generated by 280 mm long laboratory sparks 24 p4055 N91-32655
WINDSOR, C. G.
Chemical phase separation in binary iron-chromium alloys
[DE91-010282] 18 p2953 N91-26294
WINELAND, D. J.
Cooled ion frequency standard
[AD-A227806] 07 p1008 N91-15533
WINELAND, DAVID J.
Trapped-ion frequency standards
17 p2851 N91-25760
WINEY, M. A.
ECC ozonesonde observations at South Pole, Antarctica during 1989
[PB90-258914] 02 p0233 N91-11302
WING, G. MILTON
Inverse problems SVD and pseudo SVD
[DE91-005939] 09 p1391 N91-17655
WING, HILDA
Selection of air traffic controllers for automated systems: Applications from current research
[AD-A230058] 12 p1930 N91-20621
WINGARD, BRIAN
Servomotor-Linked Articulated Versatile End Effector (SLAVE2) 19 p3274 N91-28111
WINGATE, ROBERT T.
Structural integrity of wind tunnel wooden fan blades
[NASA-TM-104059] 14 p2276 N91-22589
WINGLEE, R. M.
Effects of neutral gas releases on electron beam injection from electrically tethered spacecraft
09 p1405 N91-17731
WINHOLTZ, R. A.
Residual stress and diffraction elastic constants measurements with a personal computer
[AD-A225145] 03 p0381 N91-12128
Load sharing of the phases in 1080 steel during low cycle fatigue
[AD-A229735] 12 p1914 N91-20525
NATO advanced research workshop on Measurement of Residual and Applied Stress Using Neutron Diffraction
[AD-A235103] 18 p3000 N91-26566
WINICK, K. A.
Wideband heterodyne spatial tracking for optical space communications
[AD-A233722] 18 p2973 N91-26410
WINK, JOERN-E.
High resolution observations of compact H II regions at 230 GHz 06 p0896 N91-14954
WINKER, B. K.
Model studies of CBES decomposition (FN3/BiF chemical laser)
[AD-A229427] 22 p3681 N91-30498
WINKER, S.
Automated reasoning contributes to mathematics and logic
[DE91-014005] 20 p3387 N91-28765
WINKLER, GERNOT M. R.
Performance of Soviet and US hydrogen masers
17 p2857 N91-25799
WINKLER, M. A.
Thermophysical properties of POCO AXF-5Q graphite up to melting
[DE91-014751] 21 p3485 N91-29334
WINKLER, P.-J.
Development of fabrication methods for metallic multilayer structures 03 p0331 N91-11849
WINKLER, PETER-J.
Superplasticity in use: A critical review of its status, trends, and limits
[MBB-Z-0309-90-PUB] 22 p3651 N91-30321

WINKLER, R. L.
Assessing the risk of chronic lung injury attributable to long-term ozone exposure
[DE91-016814] 24 p4073 N91-32757
WINN, W. P.
Aircraft measurements of electrified clouds at Kennedy Space Center, part 3
[NASA-CR-186964] 04 p0548 N91-13039
Aircraft measurements of electrified clouds at Kennedy Space Center
[NASA-CR-186536] 06 p0848 N91-14680
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 1: 1988 flights
06 p0848 N91-14681
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 2: Case study: 4 November 1988 (88309) 06 p0848 N91-14682
WINN, WILLARD G.
Gamma ray spectrometry of LDEF samples at SRS
16 p2708 N91-24988
WINNBERG, A.
Proceedings of the symposium Astrophysical Processes and Structures in the Universe
[PB91-123653] 11 p1819 N91-19993
WINNERL, J.
Progress in submicron technologies
24 p4005 N91-32394
WINNEWISSER, G.
New Cologne acousto-optical spectrometer projects
13 p2179 N91-22034
WINNICK, J.
High temperature membranes for H2S and SO2 separations
[DE91-008534] 15 p2397 N91-23275
WINNUBST, MARIELLE
The selection, training, and operational work of female helicopter pilots in the Royal Netherlands Air Force
02 p0244 N91-11361
WINOKUR, P. S.
Hole-trapping/hydrogen transport (HT sup 2) model for interface-trap buildup in MOS devices
[DE91-000020] 07 p0998 N91-15480
Statistical process control for QML (Qualified Manufacturer's List) radiation hardness assurance
[DE90-007413] 08 p1161 N91-16394
Field dependence of interface trap buildup in Si-gate MOS devices
[DE90-007679] 09 p1409 N91-17752
Hardness assurance for low-dose space applications
[DE91-009179] 19 p3111 N91-27189
Effect of bias on Thermally Stimulated Current (TSC) in irradiated MOS devices
[DE91-008179] 19 p3250 N91-27978
WINOKUR, PETER S.
Total-dose radiation hardness assurance for space electronics
[DE91-002425] 06 p0820 N91-14533
WINSKE, D.
Electromagnetic ion/ion cyclotron instability
[DE91-004841] 11 p1797 N91-19860
Hybrid codes: Methods and applications
[DE91-009959] 14 p2258 N91-22493
An interparticle collision model for electromagnetic hybrid simulations of high density plasmas
[DE91-016025] 23 p3929 N91-31958
WINSOR, R. E.
Feasibility study of a 6V-92TA Homogeneous Auto-Ignited Two-Stroke (HAT) compressed natural gas engine
[PB91-106278] 09 p1345 N91-17389
WINTENBERG, A. L.
Monolithic front end electronics for silicon calorimeters
[DE91-012063] 20 p3338 N91-28484
WINTER, B. J.
Chemical identification of icosahedral structure for cobalt and nickel clusters
[DE90-017688] 02 p0196 N91-11100
WINTER, CARL-JOCHEN
To what extent can Renewable Energy (RE) systems replace carbon-based fuels in the next 15, 50, and 100 years? Eight answers
[DLR-MITT-91-04] 24 p4039 N91-32568
Nature and technology: Energy technology, mankind, and nature in the 21st century
[DLR-MITT-91-05] 24 p4041 N91-32581
Finiteness: On constraints of applied research
[DLR-MITT-91-06] 24 p4115 N91-33001
WINTER, J.
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
WINTER, J. P.
An investigation into the extent and effects of spanwise flow in the boundary layer of a helicopter rotor in hover
[BU-519] 14 p2189 N91-22089
WINTER, J. RONALD
Distillation tray structural parameter study: Phase 1
12 p1912 N91-20515
WINTER, JERRY M.
Status of NASA's Stirling Space Power Converter Program
[NASA-TM-104512] 24 p4039 N91-32569
WINTER, RUDOLF
Investigation of vegetation with multifrequency and multipolarization SAR systems 07 p0991 N91-15437
WINTER, STELLAN
Pressure measurements on the release system and determination of jet momentum in the project BA propane field tests 1989
[FOA-E-40044-4.5] 01 p0044 N91-10263
WINTERBOTTOM, A. N.
Orbit determination and analysis for Aureole 2 rocket at 27:2 resonance
[RAE-TR-90018] 05 p0626 N91-13472
WINTERHALTER, DAVID L.
National Space Transportation System (NSTS) technology needs 09 p1277 N91-17021
WINTERS, G. M.
Automated support of the modelling process: A view based on experiments with expert information engineers
[REPT-90-09] 01 p0110 N91-10638
WINTERSTEINER, PETER P.
High-altitude non-equilibrium infrared emission models
[AD-A232503] 15 p2465 N91-23659
WINYARD, DAVID C.
Leakage path interconnection for single screw mechanisms
[AD-D014636] 07 p1009 N91-15542
WIPPLER, J. L.
Object oriented programming in MMI: A software tool for analysis and planification of a radar imaging mission
15 p2452 N91-23589
WIRAMIHARDJA, SUHARDJA D.
Survey observations of emission-line stars in the Orion region 06 p0897 N91-14955
WIRINGA, R. B.
Variational Monte Carlo calculations of nuclear ground states
[DE91-007760] 11 p1794 N91-19842
WIRTH, R.
A combined test facility for space research and technology 07 p0960 N91-15288
WISCHMANN, K. B.
UV cured epoxy resin coatings
[DE91-008180] 13 p2054 N91-21303
An evaluation of the effects of varying composition and processing on several encapsulating resins
[DE91-009101] 13 p2056 N91-21314
WISCOMBE, W. J.
ICRCCM (intercomparison of radiation codes used in climate models). Phase 2: Verification and calibration of radiation codes in climate models
[DE91-007323] 11 p1738 N91-19555
WISE, GARY L.
Some applications of probability and statistics in communication theory and signal processing
[AD-A226869] 08 p1125 N91-16184
WISE, HENRY
Intermediate temperature oxygen-conducting solid electrolytes and mixed conductors
[PB90-260522] 09 p1327 N91-17286
WISE, J. L.
Planar-shock and penetration response of ceramics
[DE91-004569] 07 p0986 N91-15410
Shock-vaporization studies on zinc and porous carbon
[DE91-017846] 24 p3980 N91-32233
WISE, LARRY
Methodology investigation, aviation test management system concept development
[AD-A237349] 21 p3457 N91-29172
WISE, M.
A beam position monitor for low current dc beams
[CEBAF-PR-89-004] 06 p0871 N91-14816
WISE, M. B.
Screening volatile organics by direct sampling ion trap and glow discharge mass spectrometry
[DE91-007708] 11 p1680 N91-19258
Rapid determination of drugs and semivolatile organics by direct thermal desorption ion trap mass spectrometry
[DE91-008885] 13 p2050 N91-21278
Direct-sampling MS measurement of volatiles in environmental samples
[DE91-013417] 21 p3537 N91-29653
WISE, M. L.
Comparison of hydrogen desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234633] 18 p2947 N91-26262
Comparison of H2 desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234634] 18 p2947 N91-26263
Adsorption and decomposition of diethylsilane on silicon surfaces
[AD-A234639] 18 p2948 N91-26267
WISE, MARCUS B.
Determination of airborne organics by direct sampling mass spectrometry
[DE90-009422] 08 p1172 N91-16452
WISEALL, S. S.
Flow measurements in turbomachinery using laser anemometry and holography
[PNR-90717] 01 p0044 N91-10261
WISEMAN, MARC WILLIAM
Spark ignition engine combustion process analysis
22 p3647 N91-30296
WISER, R.
Chemical analysis of metal and polymer surfaces on the front and rear LDEF 16 p2714 N91-25023
Interactions of atomic oxygen with material surfaces in low Earth orbit: Preliminary results from experiment A0114 16 p2714 N91-25025
WISKERCHEN, MICHAEL J.
Data distribution satellite
[NASA-CR-187066] 09 p1323 N91-17266
WISLER, S.
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061
WISOFF, P. JEFFREY
Collisionally excited XUV and VUV coherent sources
[AD-A224728] 03 p0420 N91-12349
WITCHER, DONALD H.
Artificial neural network implementation
[AD-D014663] 11 p1780 N91-19764
WITCHER, JAMES C.
Southern New Mexico low temperature geothermal resource economic analysis
[PB91-105353] 09 p1355 N91-17443
WITCOFSKI, ROBERT D.
Advanced Hypervelocity Aerophysics Facility Workshop
[NASA-CP-10031] 16 p2563 N91-24211
WITCOMB, M. J.
A jet polishing technique for thinning two phase materials
[DE91-016422] 23 p3852 N91-31473
WITEBSKY, C.
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
WITHAM, MELODY
Analog design verification with PSpice and MICRO-CAP 3
[AD-A237922] 21 p3556 N91-29762
WITHERELL, M. D.
Load-line displacements for three-point bend J tests using bottom surface displacements
[AD-A229634] 24 p4030 N91-32518
WITHERELL, MARK D.
A plane-strain elastic stress solution for a multiorthotropic-layered cylinder
[AD-A225000] 04 p0535 N91-12969
WITHEROW, WILLIAM K.
X ray sensitive area detection device
[NASA-CASE-MFS-28232-1] 06 p0874 N91-14835
Hanging drop crystal growth apparatus
[NASA-CASE-MFS-26061-1] 08 p1236 N91-16815
Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] 17 p2780 N91-25388
WITHERS, B. EDWARD
GCS programmer's manual
[NASA-TM-102721] 09 p1384 N91-17612
WITHERSPOON, F. D.
Heating of a liquid/vapor mixture by a pulsed electric discharge
[AD-A230272] 12 p1982 N91-20907
High pressure Mach 10 to 20 electrothermal hypersonic wind tunnel 16 p2578 N91-24288
WITHROW, C. A.
Design of multihundredwatt DIPS for robotic space missions
[NASA-TM-104401] 16 p2568 N91-24232
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
WITHROW, COLLEEN A.
SEI rover solar-electrochemical power system options
[NASA-TM-104402] 15 p2458 N91-23620
Comparison of dynamic isotope power systems for distributed planet surface applications
[NASA-TM-4303] 20 p3303 N91-28278
WITKOVER, R. L.
Beam current monitoring in the AGS booster and its transfer lines
[DE91-013328] 20 p3404 N91-28870

WITKOWSKI, WALTER R.
An adaptive finite element technique using element equilibrium and paving
[DE90-015829] 02 p0254 N91-11410
WITT, ARTHUR
Gust front/wind shift detection algorithm for the terminal Doppler weather radar
[DOT/FAA/NR-91/4] 13 p2121 N91-21671
Enhancements to the terminal Doppler weather radar gust front algorithm
[DOT/FAA/NR-91/3] 14 p2255 N91-22473
The terminal Doppler weather radar tornadic vortex signature detection algorithm
[DOT-FAA-NR-91-5] 15 p2468 N91-23675
WITT, AUGUST
Luminescence and lasing in II-VI semiconductors
[AD-A235019] 18 p3070 N91-26961
WITT, AUGUST F.
Development of model based magnetic LP-LEC growth large diameter GaAs
[AD-A237456] 21 p3595 N91-29998
WITTE, WILLIAM G., JR.
Spectrophotometer-integrating-sphere system for computing solar absorptance
[NASA-TM-4252] 12 p1902 N91-20465
Effects of LDEF flight exposure on selected polymer matrix resin composite materials
16 p2719 N91-25053
WITTEBORN, F. C.
The 2.5 to 5.0 micrometer spectral of Io: Evidence for H2S and H2O frozen in SO2 10 p1623 N91-18955
WITTEBORN, FRED C.
Airborne observations of the infrared emission bands
06 p0890 N91-14919
Spectral structure near the 11.3 micron emission feature 06 p0892 N91-14926
The nature of cometary dust as determined from infrared observations 06 p0906 N91-15003
WITTEKOPF, REINER
Angle measurements with the laser gyro GG 1342
[ESA-TT-1212] 13 p2088 N91-21490
WITTEN, L.
Research in particle theory
[DE91-010749] 15 p2504 N91-23872
WITTENAUER, J. P.
Development of fine-grained, ductile tungsten alloys for armor/anti-armor application
[AD-A231857] 14 p2246 N91-22423
WITTENBERG, H.
Solid fuel combustion chamber
[LR-648] 11 p1673 N91-19222
WITTERS, J.
New developments in non-volatile semiconductor memory technologies and devices
24 p3991 N91-32295
WITTEVEEN, CEES
Labeling problems in truth maintenance systems
[REPT-89-90] 01 p0112 N91-10651
WITTIG, C.
Reactions of small molecular systems
[DE91-014519] 21 p3573 N91-29867
WITTIG, THIES
Know-how for Europe 24 p4114 N91-32997
WITTKE, P. H.
A study of space communications spread-spectrum systems, phase 5 and 6. Part 2: Coding and modulation
[QU-90-2-PT-2] 21 p3496 N91-29396
WITTMANN, RONALD C.
Spherical near-field scanning: Experimental and theoretical studies
[PB91-132274] 16 p2616 N91-24484
WITTWER, WOLFRAM
Laser technology for space tasks
[DLR-MITT-90-10] 03 p0371 N91-12080
WITZANI, JOSEF
A test of the IAEA code of practice for absorbed dose determination in photon and electron beams
[OEFZS-4565] 18 p3062 N91-26913
WITZGALL, C.
Interior-point method for linear and quadratic programming problems
[PB91-187815] 19 p3231 N91-27865
WITZKE, EDWARD L.
Tuning computer communications networks and protocols
[DE90-012764] 10 p1576 N91-18673
WIXSON, J.
The human side of value engineering
[DE91-012817] 20 p3436 N91-29068
WLEZIEN, RICHARD W.
Vortex system evolution in 2- and 3-D swept trailing edge flows
[AD-A232692] 15 p2429 N91-23453
WLODEK, S.
Formation of C10H8(+) from the benzene radical cation: A case for the growth of polycyclic aromatic hydrocarbon ions by Ion/Molecule reactions in the gas phase?
[AD-A235574] 19 p3138 N91-27338
WLODEK, STANISLAW
Gas-phase formation of silicon carbides, oxides, and sulphides from atomic silicon ions
06 p0908 N91-15014
WNEK, G. E.
Interaction of cationic polypeptides with electroactive polypyrrole/poly(styrenesulfonate) and poly(N-methylpyrrole)/poly(styrenesulfonate) films
[AD-A234469] 18 p2947 N91-26258
WOCH, J.
The contribution of the boundary layer EMF to magnetospheric substorms
[PB91-192740] 22 p3708 N91-30635
WOEHLER, KARLHEINZ E.
The meaning of time: An introduction into philosophical, biological and physical aspects of time
[AD-A233001] 16 p2681 N91-24841
WOEHLKE, WIELFRIED
Mission characteristics and microgravity environment of the Columbus Free Flying Laboratory
[MBB-UO-0105-90-PUB] 04 p0494 N91-12744
WOERMANN, D.
Spinoidal decomposition (TEXUS 17)
23 p3833 N91-31379
WOERNER, IRENE WONG
Capturing flight system test engineering expertise: Lessons learned 14 p2316 N91-22790
WOFFORD, J.
Studying the spatial distribution of interstellar dust
06 p0901 N91-14980
WOFSY, S. C.
Theoretical studies of long-range transport of oxidants
[PB91-182360] 21 p3539 N91-29661
WOGAN, CHRISTINE F.
Microbiology on Space Station Freedom
[NASA-CP-3108] 10 p1559 N91-18573
WOGNUM, P. M.
Design as science instead of art
[MEMO-INF-91-10] 22 p3735 N91-30800
WOHLHUTER, F.
Boundary integral equations and the Dirichlet problem
[DE91-004537] 11 p1783 N91-19779
WOICK, HEINRICH
Future meterological satellite programmes of EUMETSAT 07 p0948 N91-15199
The Meteosat operational programme
07 p0948 N91-15200
WOIKE, T.
Reverse bias voltage testing of 8 cm x 8cm silicon solar cells 22 p3635 N91-30225
WOJCIECHOWSKI, CHARLES R.
X-ray inspection system
[PATENT-1-258-924] 23 p3882 N91-31660
WOJCIECHOWSKI, JOSEPHINE Q.
Proceedings of the 5th Annual Conference on HAN-Based Liquid Propellants
[AD-A225016] 04 p0510 N91-12833
WOJCIECHOWSKI, K. W.
Elastic constants of the hard disc system in the self-consistent free volume approximation
[DE91-617800] 16 p2696 N91-24926
WOJCIK, LEONARD A.
Preliminary evaluation of ADS/radar correlation
24 p3958 N91-32119
WOJTOWICZ, A. J.
Scintillation materials for medical applications
[DE91-011022] 17 p2823 N91-25598
WOLBER, DAVE
Structured representation for requirements and specifications
[NASA-CR-187522] 18 p3043 N91-26797
WOLCOTT, JOHN H.
HF propagation through actively modified ionospheres: Modelling and experimental results
10 p1554 N91-18549
WOLD, A.
Nucleation and growth of diamond on Si, Cu and Au substrates
[AD-A231044] 13 p2161 N91-21918
WOLD, AARON
Synthesis of oxides containing transition metals
[AD-A225032] 03 p0422 N91-12363
WOLD, W.
Growth and characterization of thin films of Y2O3, La2O3 and La2CuO4
[AD-A231046] 13 p2161 N91-21919
WOLF, B.
Luminous hot variables 09 p1429 N91-17865
WOLF, D.
Molecular-dynamics study of grain-boundary migration in metals
[DE90-017856] 02 p0197 N91-11104
Temperature dependence of the elastic behavior of structurally disordered metallic superlattices
[DE91-014007] 20 p3320 N91-28377
Molecular dynamics simulation of the effect of interfaces in melting and solid-state amorphization
[DE91-015550] 21 p3477 N91-29264
Correlations between grain boundary structure and energy
[DE91-015204] 21 p3593 N91-29990
Connection between grain boundary structure and energy
[DE91-015558] 21 p3600 N91-30030
WOLF, D. A.
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544
WOLF, DAVID A.
Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] 05 p0693 N91-13860
A culture vessel with large perfusion area to volume ratio
[NASA-CASE-MSC-21662-1] 09 p1370 N91-17531
Rotating bio-reactor cell culture apparatus
[NASA-CASE-MSC-21293-1] 13 p2126 N91-21700
Horizontally rotated cell culture system with a coaxial tubular oxygenator
[NASA-CASE-MSC-21294-1] 22 p3713 N91-30667
WOLF, DIETER M.
Parametric evaluation of the selection criteria of space transportation systems
[DLR-FB-91-01] 22 p3628 N91-30189
WOLF, E.
The 6th Rochester Conference on Coherence and Quantum Optics
[AD-A233350] 17 p2863 N91-25834
WOLF, E. L.
Scanning tunneling microspectroscopy of solids and surfaces
[DE91-014515] 20 p3433 N91-29043
WOLF, H.
C-band antennas for regional communication systems
[MBB-UK-0107-90-PUB] 11 p1695 N91-19336
WOLF, J.
Cryo-calibration facility for ISOPHOT
07 p0957 N91-15264
WOLF, J. D.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
WOLF, JACK K.
Research in mathematics and computer science: Calculation of the probability of undetected error for certain error detection codes, phase 2
[AD-A238234] 21 p3557 N91-29768
WOLF, PETER
Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] 15 p2391 N91-23237
WOLF, R.
The Meteosat operational programme
07 p0948 N91-15200
WOLF, R. J.
Molecular modeling of metal hydrides. 2: Calculation of lattice defect structures and energies utilizing the embedded atom method
[DE91-006436] 09 p1316 N91-17226
WOLF, R. S.
Non-acoustic combustion instability in hybrid rocket motors 16 p2571 N91-24250
WOLF, RALPH J.
Initial report on molecular modeling of metal hydrides
[DE91-005747] 10 p1500 N91-18256
WOLF, RANDY
Residual acceleration data on IML-1: Development of a data reduction and dissemination plan
[NASA-CR-188760] 22 p3656 N91-30350
WOLF, STEPHEN D.
Development of a quiet supersonic wind tunnel with a cryogenic adaptive nozzle
[NASA-CR-186769] 15 p2384 N91-23195
WOLF, TAMAR
Eupergit C as a carrier for HPLC-based immuno-purification of antigens and antibodies
14 p2295 N91-22691
Reduction of nonspecific adsorption of serum proteins to Eupergit C and agarose 14 p2296 N91-22692
WOLF, THOMAS D.
A preliminary investigation of the use of throttles for emergency flight control
[NASA-TM-4320] 22 p3618 N91-30130

WOLFE, C. R.
Damage resistant optics for a mega-joule solid-state laser
[DE91-006246] 09 p1343 N91-17376
WOLFE, R.
Damage assessment and possible damage mechanisms to 1-meter diameter Nova turning mirrors
[DE90-016473] 01 p0047 N91-10278
WOLFE, ROBERT R.
Pharmacological sparing of protein in burn injury
[AD-A235026] 18 p3029 N91-26724
WOLFF, BILL
Research in software allocation for advanced manned mission communications and tracking systems
[NASA-CR-188114] 12 p1960 N91-20785
WOLFF, CHARLES L.
Solar irradiance observed from PVO and inferred solar rotation 03 p0441 N91-12465
WOLFF, ERICUS HENRICUS PETRUS
Regenerative sulfur capture in fluidized bed combustion of coal: A fixed bed sorption study
[ISBN-90-6275-664-6] 17 p2756 N91-25255
WOLFF, SIDNEY
Optical/IR from ground 24 p4119 N91-33020
WOLFIRE, M. G.
Physical conditions in photodissociation regions: Application to galactic nuclei 05 p0736 N91-14113
WOLFIRE, MARK G.
Infrared emission from ultracompact H II regions 06 p0895 N91-14942
Dust in regions of massive star formation 06 p0899 N91-14972
WOLFORD, DONALD J.
Impurities, defects and diffusion in semiconductors: Bulk and layered structures, volume 163
[AD-A229590] 22 p3759 N91-30952
WOLFSON, M. M.
Contributions to the American Meteorological Society 16th Conference on Severe Local Storms
[AD-A226316] 04 p0549 N91-13047
WOLKE, ANDREAS
Responses of Physarum polycephalum to varying light levels during fast clinostat rotation: A scientific preparation of an ESA biorack experiment during the IML-1 mission 11 p1759 N91-19676
Gravitaxis in Physarum polycephalum 11 p1759 N91-19678
WOLKE, PATRICK J.
Magnetic suspension systems for space applications 13 p2035 N91-21169
WOLLENBERG, A.
Determination of spacecraft control system user requirements and effects on development methodologies 14 p2218 N91-22262
WOLLKIND, DAVID J.
The effect of suspended particles on Jean's criterion for gravitational instability 05 p0752 N91-14189
WOLOCH, FRANZ
Examinations of thermal conductivity in dense plasma
[OEFZS-4564] 22 p3756 N91-30940
WOLOSHUN, K. A.
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
WOLSKY, A. M.
High-temperature superconductors: Their potential for utility applications
[DE90-009704] 01 p0128 N91-10757
WOLSTENCROFT, RAMON D.
The discovery of a highly polarized bipolar nebula 06 p0911 N91-15031
WOLTZ, L. A.
Effects of electric microfields on argon dielectronic satellite spectra in laser-produced plasmas
[DE91-011445] 17 p2869 N91-25868
WOLVERTON, B. C.
Plants and their microbial assistants: Nature's answer to Earth's environmental pollution problems 05 p0692 N91-13851
WOLVERTON, BILLY C.
Combined air and water pollution control system
[NASA-CASE-NST-00007-1] 06 p0844 N91-14662
WOLVERTON, R. H.
Cubic new compound in the Ba-Ca-Cu-O system: Preliminary phase relationships
[DE91-005880] 10 p1604 N91-18852
WOMACK, MARIA
N2H(+) in warm and cold clouds 12 p2005 N91-21035
WOMBLE, DONNA S.
Detection of a z=0.0515, 0.0522 absorption system in the QSO S4 0248+430 due to an intervening galaxy 05 p0761 N91-14228
WOMBWELL, A. N.
Recovery and reuse of a rocket launcher
[BU-518] 14 p2207 N91-22187
WOMERSLEY, J.
Absorbing CAD system geometries into GEANT
[DE91-015707] 23 p3908 N91-31816
WOMERSLEY, JOHN
CAD tools for detector design
[DE90-017337] 02 p0254 N91-11412
WON, CHIN CHUNG
Active control of smart structures: Theory and experiment 22 p3622 N91-30151
WON, MARK J.
Sea level static calibration of a compact multimission aircraft propulsion simulator with inlet flow distortion
[NASA-TM-102838] 10 p1463 N91-18066
WONG-SWANSON, B. G.
Energy management study for lunar oxygen production 17 p2750 N91-25216
Energy management analysis of lunar oxygen production 17 p2754 N91-25245
WONG, A. L.
Structure of alkylated silica surfaces: Quenching of fluorescence from covalently bound pyrene
[AD-A234642] 18 p2938 N91-26207
Surface diffusion at the liquid-solid interface: Quenching of fluorescence from pyrene covalently bound to methylated silica
[AD-A234645] 18 p2948 N91-26268
Molecular transport in porous silica. Quenching of fluorescence from surface-immobilized pyrene
[AD-A234643] 19 p3122 N91-27249
WONG, A. Y.
Stratospheric ozone conservation by electron attachment to chlorine atoms: The negative-ion chemistry
[DE91-002951] 05 p0686 N91-13815
Energetic particle production, cavition formation, and nonlinear development at a plasma density maximum
[DE91-006683] 10 p1602 N91-18836
WONG, ALFRED W.
Utilization of the HIPAS facility for cooperative experiments related to ionospheric modification
[AD-A226609] 05 p0647 N91-13590
WONG, BO KAI
The moderating influence of user characteristics on the relationship between user involvement and perceived usefulness of information systems 17 p2885 N91-25949
WONG, C.
Analysis of IR celestial survey experiment
[AD-A235997] 19 p3226 N91-27831
WONG, C. P. C.
The evolution of US helium-cooled blankets
[DE91-017938] 24 p4107 N91-32952
WONG, C. R.
The relationship of traditional damping measures for materials with high damping capacity
[AD-A235347] 18 p3000 N91-26568
WONG, CATHERINE R.
Damping studies of ceramic reinforced aluminum
[AD-A235965] 19 p3119 N91-27232
WONG, D.
Improvement of bulk and epitaxial III-V semiconductors for solar cells by creation of denuded recombination zones
[DE90-000387] 10 p1540 N91-18478
WONG, E. L.
A comparative second harmonic study of Cu(111) in UHV and in solution
[AD-A237023] 20 p3337 N91-28479
WONG, G. S.
Operationally Efficient Propulsion System Study (OEPPS) 20 p3292 N91-28198
WONG, GEORGE
A white paper: Operational efficiency. New approaches to future propulsion systems 20 p3291 N91-28197
WONG, H. V.
Stability of annular equilibrium of energetic large orbit ion beam
[DE91-014365] 20 p3419 N91-28963
WONG, K. C.
Oceanographic data report Number 8: Density profiles from the Delaware Estuary, October 1986 - September 1988
[PB91-183608] 21 p3547 N91-29707
WONG, K. L.
Inner-shell ionization of lithium-like chromium ions
[DE91-001749] 05 p0713 N91-13981
WONG, P. S.
Nuclear magnetic resonance imaging of green-state ceramics
[DE91-010750] 17 p2762 N91-25292
WONG, TIN-CHEE
Asymmetric supersonic flow around cones with noncircular sections 06 p0774 N91-14292
WONG, W. C.
LDEF SP-HVDE (space plasma-high voltage drainage experiment) post-flight data on spacecraft leakage current and discharge 16 p2720 N91-25064
WONG, WAYNE A.
Update on results of SPRE testing at NASA Lewis
[NASA-TM-104425] 19 p3114 N91-27208
WONG, WING CHAN
Characterization of slow and fast phase nystagmus
[NASA-CR-188452] 17 p2821 N91-25589
WONG, Y.-T.
Investigation of the Si(111)-(/3x/3)R30 C-boron surface reconstruction by simulated annealing
[AD-A235671] 19 p3241 N91-27926
WONG, YAT-TING
Chemisorption of carbon monoxide on three metal surfaces: Ni(111), Pd(111) and Pt(111): A comparative study
[AD-A228579] 08 p1112 N91-16108
A comparative study of the chemisorption of ethylene on three metal surfaces: Ni(111), Pd(111) and Pt(111)
[AD-A228534] 09 p1308 N91-17178
WONNACOTT, D.
Hydrodynamic modelling of Be-binaries and its applications 09 p1442 N91-17951
WOO, C. S.
High-throughput liquid-absorption air and aerosol sampler
[DE91-013762] 20 p3370 N91-28670
WOO, JONGSIK
Flutter of laminated rectangular plates including finite deflection and shear deformation 20 p3364 N91-28639
WOO, PENG-YUNG
Using MAPLE for symbolic computations in robotics
[DE90-010405] 08 p1197 N91-16576
WOO, YOOCHEOL
Nonlinear effects in thermally and mechanically induced motion of elastic solids 22 p3693 N91-30561
WOOD-HARPER, A. T. C.
Comparison of information systems definition methodologies: An action research, multiview perspective 03 p0427 N91-12392
WOOD, A. W.
The SWORD model of multilevel secure databases
[RSRE-90008] 05 p0731 N91-14085
WOOD, B. D.
Heat transfer additives for absorption cooling system fluids
[PB91-182998] 19 p3166 N91-27505
WOOD, B. E.
Contamination effects of satellite material outgassing products on thermal surfaces and solar cells
[AD-A230199] 12 p1854 N91-20187
Bidirectional reflectance distribution (BRDF) of NASA shuttle tiles
[AD-A235115] 18 p2935 N91-26188
WOOD, CHARLES A.
Report of the panel on volcanology, section 4 13 p2106 N91-21593
WOOD, CHARLES C.
Test vs. simulation 20 p3299 N91-28251
Propulsion system ground testing 20 p3300 N91-28261
WOOD, DAVID P.
Classifying software design methods
[AD-A226696] 06 p0859 N91-14745
WOOD, DOUGLAS O. S.
Infrared emission from ultracompact H II regions 06 p0895 N91-14942
WOOD, G. C.
A study of the inhibition of pitting of aluminum by chromate
[DE91-006915] 13 p2052 N91-21294
WOOD, G. J.
Precision crystal alignment for high-resolution electron microscope imaging
[DE91-619397] 16 p2696 N91-24929
WOOD, G. M.
A radiation hardened SONOS/CMOS EEPROM family
[DE90-015993] 02 p0206 N91-11154
WOOD, J. D., JR.
Proceedings of the Second Glacier Bay Science Symposium
[PB91-110163] 15 p2460 N91-23634
WOOD, J. L.
Nuclear structure from radioactive decay
[DE91-000932] 04 p0581 N91-13242
Electric monopole transitions and shape coexistence in nuclei
[DE91-008141] 11 p1795 N91-19847
WOOD, J. R.
NASA low-speed centrifugal compressor for 3-D viscous code assessment and fundamental flow physics research
[NASA-TM-103710] 12 p1828 N91-20044

WOOD, L.
Scouting the neighborhood: In our lifetime
[DE91-017083] 24 p3964 N91-32151
WOOD, L. A.
CIM 10-micrometers array development
[AD-A236781] 19 p3159 N91-27467
WOOD, LOWELL
Securing America's access to space
[DE91-000412] 04 p0488 N91-12713
WOOD, MARK D.
Tools for monitoring and controlling distributed applications
[NASA-CR-187977] 10 p1574 N91-18664
WOOD, MATTHEW ALAN
Astero-archaeology: Reading the galactic history recorded in the white dwarf stars
09 p1427 N91-17854
WOOD, PETER J.
Composite waveguide coupling aperture having a thickness dimension
[PATENT-1-259-401] 23 p3858 N91-31514
WOOD, S. A.
Space-based Doppler lidar sampling strategies: Algorithm development and simulated observation experiments
[NASA-CR-184172] 21 p3521 N91-29554
WOOD, S. J.
Standardization of motion sickness induced by left-right and up-down reversing prisms 11 p1748 N91-19611
WOOD, SHARON L.
Parameter estimation in complex linear structures
[PB91-151076] 17 p2786 N91-25418
WOOD, W. E.
Deformation effects on the development of grain boundary chronium depletion (sensitization) in type 316 austenitic stainless steels
[DE90-016130] 02 p0195 N91-11092
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-014862] 21 p3483 N91-29319
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-016949] 23 p3816 N91-31290
WOOD, WILLIAM A.
Development of an onboard strain recorder
[AD-A231908] 14 p2267 N91-22543
WOOD, WILLIAM D., JR.
TE scattering from a dielectric coated conducting strip
[AD-A230612] 12 p1887 N91-20374
WOOD, WILLIAM G.
Classifying software design methods
[AD-A226696] 06 p0859 N91-14745
WOODALL, J. M.
Uniaxial stress study of the quantum transitions in a strained layer (001) In0.2Ga0.8As/GaAs single quantum well
[DE91-014990] 21 p3600 N91-30033
WOODALL, JERRY M.
Resonant tunneling IR detectors
06 p0795 N91-14395
WOODALL, TOMMY D.
Composite slip table of dissimilar materials for damping longitudinal modes
[DE90-015128] 02 p0190 N91-11064
WOODARD, DAVID W.
Microfabrication technology for photonics
[AD-A225428] 03 p0419 N91-12343
WOODARD, JOHN CAMPBELL
Electrical resistance volumetry in the circulation
08 p1190 N91-16543
WOODARD, M.
The accuracy of dynamic attitude propagation
09 p1289 N91-17086
WOODCOCK, GORDON R.
Costs and benefits of lunar oxygen: Engineering, operations, and economics 17 p2906 N91-26051
WOODEN, DIANE
Airborne observations of the infrared emission bands
06 p0890 N91-14919
Spectral structure near the 11.3 micron emission feature 06 p0892 N91-14926
WOODEN, DIANE HOLLAND
Observations and interpretation of the infrared emission from supernova SN1987A 02 p0287 N91-11611
WOODHOUSE, CHRISTOPHER E.
Digitized synchronous demodulator
[NASA-CASE-GSC-13237-1] 06 p0823 N91-14550
WOODHOUSE, D.
Icing test programmes and techniques
23 p3795 N91-31171
WOODIS, KEN
Overall goals 20 p3299 N91-28246
WOODIS, KENNETH W.
Second Conference on NDE for Aerospace Requirements
[NASA-CP-3091] 10 p1486 N91-18189
WOODMAN, RONALD F.
Statistical characteristics of MST radar echoes and its interpretation 18 p3009 N91-26617
WOODRUFF, W. H.
Actinide speciation by photothermal spectroscopies: Instrumentation development
[DE91-001854] 05 p0666 N91-13700
Pulsed photothermal spectroscopy applied to lanthanide and actinide speciation
[DE91-007391] 12 p1867 N91-20258
WOODRUFF, W. L.
Some neutronics and thermal-hydraulics codes for reactor analysis using personal computers
[DE91-006591] 11 p1776 N91-19743
WOODS, A. L.
Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626
WOODS, DAVID D.
Cognitive consequences of clumsy automation on high workload, high consequence human performance
12 p1947 N91-20711
Guidance for human interface with artificial intelligence systems 12 p1947 N91-20712
Making intelligent systems team players: Case studies and design issues. Volume 1: Human-computer interaction design
[NASA-TM-104738-VOL-1] 22 p3722 N91-30713
WOODS, E. G.
Infusion of instrumentation technology (engine plume diagnostics) into operational test programs
20 p3299 N91-28249
WOODS, J. A.
Direct use of linear time-domain aerodynamics in aeroservoelastic analysis: Aerodynamic model
01 p0053 N91-10316
WOODS, MELVIN
Uncooled two-stroke gas engine for heat pump drive
[DE91-005482] 10 p1539 N91-18471
WOODS, MICHAEL B.
Guidance, navigation and control. Digital emulation technology laboratory. Volume 4, Task 6: Parallel function processor development
[AD-A225126] 04 p0474 N91-12650
WOODS, P. G.
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482
WOODSON, STANLEY C.
Evaluation procedure for reinforced concrete box culverts under airfield pavements
[AD-A227920] 08 p1099 N91-16031
Response limits of blast-resistant slabs
[AD-A229338] 22 p3691 N91-30549
WOODWARD, C. E.
Specification of IRAS confused regions
[AD-A230568] 12 p2007 N91-21048
WOODWARD, CHARLES
Methods for computer-aided design of free-form objects
[MA-56] 05 p0703 N91-13921
WOODWARD, PAUL R.
Piecewise-parabolic methods for systems of hyperbolic conservation laws in multiprocessing environments
[DE91-004582] 06 p0867 N91-14792
WOODWARD, RICHARD P.
Aeroacoustic effects of reduced aft tip speed at constant thrust for a model counterrotation turboprop at takeoff conditions
[NASA-TM-103608] 01 p0119 N91-10703
Inflight source noise of an advanced full-scale single-rotation propeller
[NASA-TM-103687] 11 p1640 N91-19045
WOODWARD, ROGER D.
Liquid jet breakup and atomization in rocket chambers under dense spray conditions 20 p3296 N91-28227
WOODWARD, W. A.
Statistical examination of climatological data relevant to global temperature variation
[DE91-007881] 11 p1735 N91-19540
WOODWARD, WAYNE A.
Some remarks on compliance testing
[AD-A231936] 15 p2461 N91-23635
WOODYARD, J. R.
Annealing characteristics of irradiated hydrogenated amorphous silicon solar cells 11 p1672 N91-19214
WOODYARD, JAMES R.
Radiation resistance of thin-film solar cells for space photovoltaic power
[NASA-TM-103715] 11 p1665 N91-19176
Annealing characteristics of amorphous silicon alloy solar cells irradiated with 1.00 MeV protons
22 p3638 N91-30246
Thin film cell development workshop report
22 p3639 N91-30250
WOOL, R. P.
Strength of polymer interfaces
[AD-A230839] 13 p2056 N91-21318
WOOLEY, BRUCE A.
VLSI circuit techniques and technologies for ultrahigh speed data conversion interfaces
[AD-A238115] 21 p3507 N91-29468
WOOLF, BEVERLY
Northeast Artificial Intelligence Consortium (NAIC). Volume 2: Discussing, using, and recognizing plans
[AD-A234881] 18 p3046 N91-26816
WOOLFORD, BARBARA
Development of biomechanical models for human factors evaluations 12 p1947 N91-20713
WOOLLAM, J. A.
Ellipsometric study of InGaAs MODFET material
[NASA-TM-103286] 11 p1698 N91-19351
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935
WOOLLAM, JOHN A.
Diamondlike carbon as a moisture barrier and antireflecting coating on optical materials
10 p1509 N91-18302
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737
WOOLLEY, CHRISTINE L.
User's guide to a system of finite-element supersonic panel flutter programs
[NASA-TM-104109] 23 p3781 N91-31082
WOOLLISCROFT, L. J. C.
Plasma wave measurements on the dayside: Scale sizes and observational requirements
01 p0070 N91-10426
Plasma waves as a signature of flux transfer events
01 p0071 N91-10427
On the possibility to support multisatellite measurements of the Cluster mission by single satellite measurements in the Regatta-Cluster project 01 p0071 N91-10428
WOOSLEY, STANFORD E.
A new site for the astrophysical gamma-process
[DE90-017519] 02 p0292 N91-11635
WOOTEN, E. W.
NMR imaging of elastomeric materials
[AD-A230299] 12 p1873 N91-20296
WOOTEN, JOHN
Manufacturing processes 20 p3298 N91-28244
WOOTEN, JOHN R.
High temperature oxidation-resistant thruster research
[NASA-CR-185233] 08 p1104 N91-16063
WOOTTON, A. J.
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918
Measurements of plasma space potential and radial electric field in TEXT with a heavy ion beam probe
[PB91-151290] 17 p2870 N91-25876
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947
A portable and independent edge fluctuation diagnostic
[DE91-014357] 20 p3421 N91-28971
WOOTTON, ALAN J.
Texas experimental tokamak
[DE90-011070] 08 p1227 N91-16762
WORCESTER, R. K.
Evaluation of a ferroelectric liquid crystal spatial light modulator
[AD-A232117] 15 p2508 N91-23899
WORD, G. B.
The Cheetah Data Management System
[DE91-010290] 14 p2341 N91-22947
WORDEN, P.
Gradiometry coexperiments to the gravity probe B and step missions
[NASA-CR-187704] 05 p0681 N91-13788
WORDIN, J. J.
Improved plug valve computer-aided design of plug element
[DE91-001044] 05 p0669 N91-13719
WOREK, WILLIAM M.
A double wavelength interferometer for the study of heat and mass transfer in double diffusive systems
[DE90-011431] 09 p1338 N91-17348
WORGUL, B. V.
Low dose neutron late effects: Cataractogenesis
[DE91-011020] 17 p2822 N91-25597

WORKING, DENNIS C.
LaRC-ITPI/arylene ether copolymers
[NASA-TM-104099] 18 p2966 N91-26378
WORKMAN, D. J.
Field calibration of soil-core microcosms for evaluating fate and effects of genetically engineered microorganisms in terrestrial ecosystems
[DE91-011258] 17 p2807 N91-25518
WORKMAN, G. L.
Eddy current inspection of graphite fiber components
[NASA-TM-103514] 01 p0049 N91-10294
WORKMAN, GARY L.
Heat treatment study 2
[NASA-CR-184009] 02 p0195 N91-11091
Second Conference on NDE for Aerospace Requirements
[NASA-CP-3091] 10 p1486 N91-18189
Laser welding in space
[NASA-CR-185638] 19 p3173 N91-27541
WORLEY, P. H.
A user's guide to PICL: A portable instrumented communications library
[DE91-005648] 09 p1374 N91-17550
Parallelizing the spectral transform method, part 1
[DE91-010453] 15 p2493 N91-23805
Parallelizing across time when solving time-dependent partial differential equations
[DE91-012948] 20 p3392 N91-28797
Parallelizing the spectral transform method
[DE91-013969] 21 p3565 N91-29815
Parallelizing the spectral transform method, part 2
[DE91-017131] 24 p4016 N91-32456
WORLEY, PATRICK H.
Modeling histogram data with piecewise polynomials
[DE90-018037] 02 p0262 N91-11467
WORLEY, STUART
Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
WORMHOUDT, JODA C.
Experimental support for and analysis of infrared emission data from solid propellant combustion tests
[AD-A226454] 04 p0512 N91-12846
Development of laser spectroscopic diagnostics to support advanced compound semiconductor deposition techniques
[AD-A226057] 04 p0589 N91-13289
WORMINGTON, P. S.
Implementation of a QML (Qualified Manufacturer's List) methodology for discrete semiconductors
[DE90-015715] 02 p0221 N91-11235
WORNOM, STEPHEN F.
Relative efficiency and accuracy of two Navier-Stokes codes for simulating attached transonic flow over wings
[NASA-TP-3061] 09 p1331 N91-17310
WOROBEY, W.
Application of non-cyanide gold for selective plating of microelectronic circuits
[DE91-007729] 11 p1683 N91-19276
WORRALL, GARY G.
A hypermedia implementation for reusable software component representation
[AD-A230497] 12 p1958 N91-20768
WORREL, WAYNE L.
Methane conversion by solid electrolyte membranes
[PB90-226341] 01 p0063 N91-10381
WORSHAM, A. H.
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011894] 18 p3071 N91-26973
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011826] 18 p3075 N91-26991
WORSHAM, S. D.
Path characterization algorithms for FASCODE
[AD-A231914] 14 p2307 N91-22749
WORSNOP, JOHN C.
A study of the end point path geometry in meteor burst systems using a microcomputer signal logger
15 p2529 N91-24012
WORTHEM, DENNIS W.
Flat tensile specimen design for advanced composites
[NASA-CR-185261] 13 p2045 N91-21252
WORTHINGTON, T. K.
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
WORTMAN, ANDREW
Detonation duct gas generator demonstration program
[NASA-CR-187137] 19 p3106 N91-27163
WORTMAN, JIM J.
Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU]
06 p0799 N91-14412
Ion microprobe elemental analyses of impact features on interplanetary dust experiment sensor surfaces
16 p2712 N91-25007
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
WORTMAN, JOHN D.
Evaluation of the HULL and SHARC hydrocodes in simulating the reflection of Mach 2.12 non-decaying shock on wedges of various angles
[AD-A227581] 08 p1142 N91-16287
WOS, L.
Automated reasoning contributes to mathematics and logic
[DE91-014005] 20 p3387 N91-28765
WOS, LARRY
Theory Institute in Automated Reasoning
[DE91-001097] 07 p1055 N91-15798
WOSIEK, JACEK
Color flux distribution in pure SU(2) Lattice Gauge Theory
[DE90-017403] 02 p0280 N91-11574
WOSNITZA, J.
De Haas-van Alphen and Fermi surface studies of organic superconductors (ET)2X
[DE91-015137] 21 p3593 N91-29987
WOSPERNOV, W.
Electrolytic hydrogen formation (TEXUS 1)
23 p3827 N91-31347
WOSZCZYK, A.
From C/Mrkos to P/Halley: 30 years of cometary spectroscopy 17 p2891 N91-25984
WOZADLO, G. P.
High-temperature solution annealing as an IASCC mitigation technique
[DE91-012220] 20 p3315 N91-28352
WOZNIAK, G.
Thermocapillary drop motion, 1 (MASER 1) ESA
23 p3827 N91-31345
Thermocapillary drop motion, 2 (MASER 2) ESA
23 p3827 N91-31346
WRAY, JAMES
Large collective lamb shifts in high pressure noble gases
[DE90-017761] 04 p0528 N91-12924
WRAY, TODD
Hypersonic aircraft design
[NASA-CR-187008] 04 p0477 N91-12661
WREN, GRAEME GEOFFREY
A new technique for measuring axial damping and its application to metal-matrix composites
07 p0968 N91-15314
WREN, PAUL E.
Emergency locating transmitter
[NASA-CASE-GSC-12821-2] 23 p3861 N91-31530
WRENN, GORDON L.
Long persistence effects of geomagnetic activity
[RAE-TM-SP-376] 05 p0688 N91-13829
WRENN, GREGORY A.
Application of multidisciplinary optimization methods to the design of a supersonic transport
[NASA-TM-104073] 15 p2374 N91-23135
WRIGHT, A. E.
Do elliptical galaxies have thick disks?
08 p1264 N91-16962
WRIGHT, B. L.
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
WRIGHT, C.
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin 19 p3192 N91-27650
Seismic velocities in the Missionary Plain region: An aid to stratigraphic studies 19 p3192 N91-27652
Seismic interpretation and thrust tectonics of the Amadeus Basin, central Australia, along the BMR regional seismic line 19 p3197 N91-27672
WRIGHT, C. A.
Research in the physical sciences with application to the free electron laser
[AD-A237884] 21 p3523 N91-29571
WRIGHT, C. S.
Catalog of solar filament disappearances 1964-1980
[PB91-164384] 22 p3776 N91-31059
WRIGHT, CAMERON H. G.
A human factors approach to range scheduling for satellite control 12 p1946 N91-20703
WRIGHT, EDWARD S.
Advanced stratified charge rotary engine technology for general aviation systems 04 p0460 N91-12569
WRIGHT, G. S.
Infrared images of merging galaxies
08 p1254 N91-16904
WRIGHT, J. C.
Artificial intelligence technologies applied to terrain analysis
[DE90-011985] 08 p1208 N91-16642
WRIGHT, JAMES J.
The porting of mainframe-dependent antenna modeling program (NEC-3) to a 32-bit personal computer
[AD-A236711] 19 p3217 N91-27778
WRIGHT, JOSEPH A.
Tests of the general fire suppression concentrate Pyrocap B-136
[DOT/FAA/CT-TN90/21] 01 p0005 N91-10029
WRIGHT, K. H., JR.
Current Collection from Space Plasmas
[NASA-CP-3089] 09 p1401 N91-17713
WRIGHT, KENNETH D., II
A field-deployable digital acoustic measurement system 15 p2541 N91-24078
WRIGHT, L. E.
Theory of photon and electron induced reactions
[DE91-008993] 13 p2149 N91-21842
WRIGHT, L. L.
Short-rotation woody crop opportunities to mitigate carbon dioxide buildup
[DE90-016526] 01 p0067 N91-10406
WRIGHT, M.
High resolution CO images of Seyfert Galaxies
05 p0738 N91-14121
WRIGHT, M. A.
Investigations of oxidation protection systems for carbon-carbon composites formed by chemical vapor deposition and plasma-assisted chemical vapor deposition techniques
[AD-A232800] 15 p2396 N91-23269
WRIGHT, MARGARET B.
Software development standards for project cost management information system
[AD-A231282] 13 p2136 N91-21762
WRIGHT, NANCY F.
Interatomic forces and bonding mechanisms in MgO clusters
[DE90-010148] 08 p1220 N91-16719
WRIGHT, PAT
Global lightning studies 24 p4057 N91-32667
WRIGHT, R. N.
Microstructure and mechanical properties of P/M (Powder Metallurgy) Fe3Al alloys
[DE91-006132] 09 p1315 N91-17218
Unusually high fracture toughness of ASTM A723 steel from a mixed martensite/bainite microstructure
[AD-A230315] 12 p1870 N91-20274
WRIGHT, S. I.
On representation of mechanical behavior and stereological measures of microstructure
[NASA-CR-187130] 17 p2790 N91-25438
WRIGHT, THEODORE
Description of real-time Ada software implementation of a power system monitor for the Space Station Freedom PMAD DC testbed
[NASA-TM-105157] 20 p3389 N91-28776
WRIGHT, WILLIAM V.
The 1992 - 1997 renewal proposal interactive graphics for molecular studies
[AD-A236598] 20 p3396 N91-28823
WRIGHTON, M. S.
Interfacial systems for photochemical energy conversion
[DE91-015743] 23 p3888 N91-31700
WRIGHTON, MARK S.
Potential dependence of the conductivity of polyacetylene: Finite potential window of high conductivity
[AD-A233263] 16 p2606 N91-24442
Electrocatalytic oxidation of methanol by assemblies of platinum/tin catalyst
[AD-A233291] 16 p2620 N91-24509
Patterned functionalization of gold and single crystal silicon via photochemical reaction of surface-confined derivatives of (eta5-C5H5)Mn(CO)3
[AD-A229570] 22 p3758 N91-30948
WROBEL, J. M.
Current star formation in S0 galaxies: NGC 4710
05 p0760 N91-14224
WROBEL, T. F.
Solutions to current induced avalanche burnout
[DE90-013196] 15 p2417 N91-23386
WROBLEWSKI, D.
Motional Stark effect polarimetry for the current profile diagnostic in D3-D
[DE90-012071] 08 p1229 N91-16773
WU, A.
Radiation effects on JFETs (Junction Field-Effect Transistors), MOSFETs, and dipolar transistors, as related to SSC circuit design
[DE91-001486] 05 p0652 N91-13618

WU, BINGHUA
The surface and through crack problems in layered orthotropic plates
[NASA-CR-188188] 14 p2278 N91-22600
The surface and through crack problems in layered orthotropic plates 17 p2788 N91-25429
WU, C. M. L.
Minimum weight optimization of composite laminated struts
[BU-409] 11 p1677 N91-19246
A knowledge based expert system for laminated composite strut design
[BU-410] 11 p1678 N91-19247
Bolted joints in a laminated composite strut design expert system
[BU-415] 11 p1723 N91-19488
WU, C. S.
Low dark current photovoltaic multiquantum well long wavelength infrared detectors 06 p0796 N91-14396
WU, C. T.
Silver sheathing of high-Tc superconductor wires
[DE91-006557] 10 p1605 N91-18858
Silver-sheathed multifilament wires
[DE91-008107] 11 p1810 N91-19941
Consolidation and plasticity of Bi-Sr-Ca-Cu-O superconductors
[DE91-015544] 21 p3599 N91-30028
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
WU, C. Y.
An interim reference model for the variability of the middle atmosphere H2O vapor distribution 19 p3189 N91-27635
WU, CHI-SHARN
A comparative assessment of system description methodologies and formal specification languages
[AD-A235923] 19 p3225 N91-27828
WU, D.
Measurement of electric field strength near higher powered personal transceivers
[PB91-107268] 09 p1326 N91-17280
Investigation of a tapered artery micro heat pipe for cooling ceramic chip carriers
[AD-A224925] 09 p1331 N91-17312
WU, FRANCIS WOOMIN
Information systems supported end-user interaction: Impacts on inter- and intra-organizational connectivity and cooperative behavior 05 p0730 N91-14075
WU, G. D.
Optimal trajectories for an aerospace plane. Part 2: Data, tables, and graphs
[NASA-CR-187848] 08 p1095 N91-16011
Optimal trajectories for an aerospace plane. Part 1: Formulation, results, and analysis
[NASA-CR-187868] 08 p1095 N91-16013
WU, HUAMO
Analysis of atmospheric diffusion of pollutants based on the limited observation of horizontal wind 08 p1140 N91-16274
MmB: A new class of accurate high resolution schemes for conservation laws in two dimensions 08 p1140 N91-16275
WU, I. C.
Long-wavelength germanium photodetectors by ion implantation
[DE91-013848] 20 p3432 N91-29038
WU, J. C.
Integrated Vertical Bloch Line (VBL) memory 15 p2537 N91-24051
WU, J. L.
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
WU, J. M.
Investigation of transonic flow over segmented slotted wind tunnel wall with mass transfer
[NASA-CR-187760] 08 p1090 N91-15981
WU, J. S.
A dynamical picture of hadron-hadron collisions with the string-parton model
[DE91-016278] 24 p4095 N91-32881
WU, J.-S.
Particle production through two-photon processes in relativistic heavy-ion colliders
[DE91-016221] 23 p3925 N91-31931
WU, JANET
Multiprocessors and runtime compilation
[NASA-CR-182100] 01 p0104 N91-10600
Distributed memory compiler design for sparse problems
[NASA-CR-187515] 10 p1566 N91-18610
WU, JEUN-LEN
Instabilities of a compressible mixing layer 04 p0521 N91-12898
WU, JIANTIAN
Multi-dimensional modulation codes for fading channel
[NASA-CR-188959] 24 p3989 N91-32288
WU, K. CHAUNCEY
Analytical and photogrammetric characterization of a planar tetrahedral truss
[NASA-TM-4231] 05 p0627 N91-13473
Free vibration of hexagonal panels supported at discrete points
[NASA-TM-102688] 11 p1663 N91-19166
WU, KE
Operator formalism of multi-pole Virasoro algebra on Riemann sphere
[DE90-627217] 01 p0113 N91-10657
WU, KIN-WAH
Polarized radiation from inhomogeneous shocks 02 p0297 N91-11662
WU, M. S.
Turbulent premixed hydrogen/air flames
[AD-A235109] 18 p2950 N91-26278
WU, MAO FOU
Residual circulations calculated from satellite data: Their relations to observed temperature and ozone distributions
[NASA-CR-188952] 04 p0610 N91-13391
WU, MICHAEL M.
An O(log n) time common CRCW pram algorithm for minimum spanning tree
[AD-A228740] 08 p1204 N91-16623
WU, MING H.
Development of high damping ferrous shape memory alloys
[AD-A233543] 16 p2601 N91-24413
WU, OWEN K.
MBE HgCdTe heterostructure detectors 06 p0797 N91-14402
WU, P.
Growth and characterization of thin films of Y2O3, La2O3 and La2CuO4
[AD-A231046] 13 p2161 N91-21919
WU, QUANFENG
Problem-solving transfer among programming languages
[AD-A225798] 04 p0562 N91-13118
WU, R. L. C.
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306
WU, RUILIAN
Approaches to orthogonally fused conducting polymers for molecular electronics
[AD-A236253] 19 p3142 N91-27361
WU, S. C.
The first geocenter estimation results using GPS measurements 03 p0353 N91-11974
WU, S. T.
Computational models developed for the corrosion of prestressing steel
[PB91-167304] 19 p3135 N91-27322
WU, SHIFENG
Friction and wear modeling in gears 09 p1347 N91-17400
WU, SHIH-CHIN
Passive dynamic controllers for nonlinear mechanical systems
[NASA-TM-104047] 13 p2103 N91-21573
Large Angle Transient Dynamics (LATDYN) demonstration problem manual
[NASA-CR-4400] 23 p3885 N91-31684
Large Angle Transient Dynamics (LATDYN) user's manual
[NASA-CR-4401] 23 p3886 N91-31685
A finite element approach for the dynamic analysis of joint-dominated structures
[NASA-CR-4402] 23 p3886 N91-31686
WU, SHIH-TSENG
Polarimetric radar for assessing subsurface characteristics 17 p2800 N91-25492
WU, T. W.
Acoustical analysis of gear housing vibration
[NASA-TM-103691] 17 p2785 N91-25411
WU, T. YAO-TSU
Stability of some stationary solutions for the forced KdV equation
[DE90-016506] 01 p0113 N91-10662
WU, TXUYIN
Unsteady separation over maneuvering bodies
[AD-A226829] 08 p1142 N91-16285
WU, W.
Solid-particle erosion of aluminum/particulate ceramic composites
[DE91-006078] 09 p1319 N91-17241
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
WU, W. H.
Fiber Optic Tactical Local Network (FOTLAN) 15 p2540 N91-24072
WU, WEI
Bootstrapping the sample mean for data with infinite variance
[AD-A225870] 04 p0576 N91-13206
WU, X. D.
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
Effects of processing parameters on the laser deposition of high temperature superconducting thin films
[DE91-005937] 09 p1343 N91-17374
Diagnostic studies of YBa2Cu3O(7-delta) laser ablation
[DE91-011382] 18 p2991 N91-26515
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
WU, X. F.
Acoustical analysis of gear housing vibration
[NASA-TM-103691] 17 p2785 N91-25411
WU, XI
Fundamental investigations of supported monometallic and bimetallic catalysts by proton magnetic resonance spectroscopy
[DE91-000610] 05 p0634 N91-13516
WU, XIANGQIAN
Assimilation of ERBE data with nonlinear programming technique to improve cloud cover diagnosis 15 p2466 N91-23663
WU, XIAO-LIN
Experimental studies of long-range atomic H motion and desorption in hydrogenated amorphous silicon and germanium
[DE91-016161] 24 p4109 N91-32964
WU, XIAO-QIANG
Development of a micromechanic theory of constitutive relations of polycrystalline solids
[AD-A232697] 15 p2448 N91-23559
WU, XIPING
Engineering applications of neural computing: A state-of-the-art survey
[AD-A237628] 21 p3563 N91-29803
WU, Y.
A tunable x ray microprobe using synchrotron radiation
[DE90-011219] 08 p1148 N91-16322
WU, Y.-T.
An approximate methods approach to probabilistic structural analysis 16 p2585 N91-24328
WU, YAN
Phase transitions and equation of state of CsI under high pressure and the development of a focusing system for x rays
[DE91-007646] 11 p1808 N91-19930
WU, YANG
Logic simulation acceleration: LL3T architecture and algorithms
[ETN-91-99478] 22 p3730 N91-30764
WU, YANG-HUANG
Sequential estimation of age replacement policies
[AD-A226614] 04 p0534 N91-12961
WU, YUEH-SHIOU
Ground automation processing of near-term oceanic ATC data link messages 24 p3959 N91-32127
WU, Z.
Passive microwave devices using high temperature superconductors 05 p0723 N91-14036
WU, Z. Q.
The simplification of fuzzy control algorithm and hardware implementation 13 p2140 N91-21781
WUBS, F. W.
Numerical analysis of time-dependent Boussinesq models
[CWI-NM-R9020] 17 p2846 N91-25730
WUEBBLES, DONALD J.
Greenhouse gases: What is their role in climate change
[DE91-005447] 10 p1542 N91-18486
Influence of present and possible future aircraft emissions on the global ozone distribution
[DE91-005422] 10 p1543 N91-18495
Sensitivity of stratospheric ozone to present and possible future aircraft emissions
[DE91-007140] 10 p1545 N91-18503
Solar variations and their influence on trends in upper stratospheric ozone and temperature
[NASA-CR-187999] 10 p1555 N91-18552
WUENNENBERG, HORST
Handling qualities of highly augmented unstable aircraft summary of an AGARD-FMP working group effort 15 p2371 N91-23116
WUENSCHER, H.
EXPRESS: An experimental return service from orbit
[MBB-UO-0063-89-PUB] 03 p0321 N91-11793

WUERSCHING, C.
Residual gas analysis and leak rate measurements during thermal vacuum tests 07 p0958 N91-15271
WUERTZ, D. B.
RASS demonstration on a NOAA network wind profiler [PB90-268319] 09 p1366 N91-17508
Ocean surface current measurements with a single-station, Doppler/spaced-antenna radar [PB91-142307] 16 p2661 N91-24722
WUERZINGER, E.
Requirements for turboprop and turbofan engines in regional aircraft 03 p0309 N91-11733
WUEST, W.
Thermal Marangoni convection in a floating zone (TEXUS 3) 23 p3825 N91-31336
WULF, F.
Total dose study on LS-, ALS, and F-technology integrated circuits 24 p3999 N91-32354
Irradiation tests and radiation hardness prediction considerations on electronic components for space application 24 p3999 N91-32355
WULF, WILLIAM A.
A high performance computer architecture for embedded and/or multi-computer applications [AD-A226478] 04 p0568 N91-13152
WUNDERLICH, BERNHARD
Analysis and prediction of thermal properties of mesophases and crystals by calorimetry and supercomputers [DE90-015538] 02 p0200 N91-11123
Defect generation and motion in polyethylene-like crystals, analyzed by simulation with supercomputers [DE91-004770] 10 p1502 N91-18265
WUNDROW, DAVID WILLIAM
Effect of strong critical layer nonlinearity on the spatial evolution of externally excited compressible free shear layers 14 p2262 N91-22515
WUNG, E. C.
Composite specimen design analysis. Volume 1: Analytical studies [AD-A235990] 19 p3119 N91-27233
WUNG, EDWARD C.
Structural development of micro-structurally toughened metal matrix composites [AD-A226060] 04 p0497 N91-12762
WUNG, T.-S.
International Union of Theoretical and Applied Mechanics (IUTAM) Symposium on Aerothermodynamics in Combustors [AD-A237943] 21 p3514 N91-29516
WUNSCH, CARL
Studies toward observing and modelling large energetic ocean regions [AD-A229478] 22 p3711 N91-30654
WURDEN, G. A.
Confinement properties of the RFP (reversed field pinch) [DE91-002322] 05 p0719 N91-14015
Fast electron studies in the ZT-40M edge plasma [DE91-002323] 06 p0875 N91-14838
WURDEN, GLEN A.
Confinement studies in the ZT-40M reversed field pinch [DE90-016442] 01 p0125 N91-10739
WURTELE, J. S.
Simulation of a standing-wave free-electron laser [DE91-007330] 11 p1710 N91-19418
Phase stability of a standing-wave free-electron laser [DE91-008068] 11 p1712 N91-19427
WURTMAN, RICHARD J.
Strategies to sustain and enhance performance in stressful environments [AD-A232698] 15 p2476 N91-23714
WUU, TZYH-YUNG
NetList(+): A simple interface language for chip design [AD-A236444] 19 p3159 N91-27464
WYATT, M.
Development of a low temperature catalytic combustor for small gas turbine applications [PB91-161273] 18 p2993 N91-26529
WYATT, WILLIAM T., JR.
Mobility of nonequilibrium conduction electrons in air [AD-A224909] 03 p0416 N91-12325
WYCKOFF, SUSAN
Ammonia and nitrogen abundances in comets 12 p2002 N91-21018
From C/Mrkos to P/Halley: 30 years of cometary spectroscopy 17 p2891 N91-25984
Spectra of comet P/Halley at R = 4 - 8 AU 17 p2897 N91-26014
WYDEVEN, THEODORE
Plasma-polymerized coating for polycarbonate: Single-layer, abrasion resistant, and antireflection 14 p2358 N91-23043
Physical/chemical closed-loop water-recycling 15 p2537 N91-24052
A conformal oxidation-resistant, plasma-polymerized coating 15 p2539 N91-24063
WYDEVEN, THEODORE J., JR.
Etching method for photoresists or polymers [NASA-CASE-ARC-11873-2] 23 p3811 N91-31258
WYLIE, DONALD P.
Synoptic conditions producing cirrus during the FIRE cirrus IFO 01 p0074 N91-10449
Where are cirrus clouds and why are they there 01 p0074 N91-10450
Comparison of NOAA-9 ERBE measurements with Cirrus IFO satellite and aircraft measurements 01 p0079 N91-10471
Overview of the 27-28 October FIRE Cirrus IFO case: Meteorology and cloud fields 01 p0080 N91-10477
Both sides now 01 p0082 N91-10485
The relationship of marine stratus to synoptic conditions 01 p0082 N91-10489
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987 01 p0092 N91-10534
Cloud cover statistics [AD-A226892] 06 p0849 N91-14689
WYNBLATT, PAUL
Equilibrium composition of interphase boundaries [DE91-002470] 06 p0871 N91-14814
WYNN, ROBERT H., JR.
The control of flexible structure vibrations using a cantilevered adaptive truss 23 p3883 N91-31671
WYNNE, DAVID
Carbon and nitrogen abundances in the supergiants HD 93840 and zeta Per 09 p1437 N91-17919
WYNNE, ELEANOR C.
Structural dynamics division research and technology accomplishments for fiscal year 1990 and plans for fiscal year 1991 [NASA-TM-102770] 12 p1828 N91-20046
WYSE, N.
Assessment and forecasting of lightning potential and its effect on launch operations at Cape Canaveral Air Force Station and John F. Kennedy Space Center 24 p4064 N91-32704
WYSS, PHILLIP J.
NASA applications project in Miami County, Indiana [NASA-CR-188007] 14 p2280 N91-22608

X

XANTHEAS, S. S.
Modeling molecular processes in the environment [DE91-013790] 20 p3370 N91-28671
XENOPOULOS, A.
Defect generation and motion in polyethylene-like crystals, analyzed by simulation with supercomputers [DE91-004770] 10 p1502 N91-18265
XI, X.
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation [DE90-011519] 08 p1234 N91-16800
XIA, QIONG
Linear and nonlinear responses of the flow and temperature fields to imposed wall temperature oscillations in differentially heated vertical rectangular enclosures 23 p3865 N91-31550
XIA, W.
Ion mixing of semiconductor superlattices [DE90-017769] 02 p0279 N91-11569
XIA, XINFU
Transient dynamics in excitonic optical bistability in polymers [AD-A229901] 12 p1872 N91-20286
XIA, YIREN
Dynamic applications of ABAQUS [OUEL-1853/90] 11 p1778 N91-19755
XIA, ZULE
Measurement and calculation of forces in a magnetic journal bearing actuator 13 p2037 N91-21207
XIANG, XUWU
The delta-Sobolev approach for modeling solar spectral irradiance and radiance 02 p0294 N91-11650
XIAO, Q. F.
Epitaxial growth of silicon on CoSi2(001)/Si(001) [DE91-013387] 20 p3428 N91-29015
Growth condition dependence of RHEED pattern from GaAs(111)B surface [DE91-014770] 21 p3593 N91-29986
XIAO, Z.
Unsteady separation over maneuvering bodies [AD-A226829] 08 p1142 N91-16285
XIAOSU, MA
Brief introduction to noncontact type large-dimension three-coordinate measurement system [AD-A233436] 16 p2613 N91-24468
XIE, KE-JUN
A Boundary Element Method (BEM) solution for a fractional operator modeled viscoelastic-acoustic system 03 p0377 N91-12107
XIE, M.
Stability and performance of CDRL-FEL (Chemical Dynamics Research Laboratory-Free Electron Laser) [DE91-007691] 10 p1531 N91-18433
Design overview of a highly stable infrared free electron laser at LBL [DE91-009327] 13 p2091 N91-21508
Requirements and design of a high stable infrared free electron laser at LBL [DE91-009674] 14 p2270 N91-22558
XIE, MING
Hole coupling resonator for free electron lasers [DE91-007745] 11 p1711 N91-19426
XIE, R.
Evaluation of the GOES 1-M normalization technique with the visible images of GOES-7 [AD-A227462] 08 p1103 N91-16055
XIE, S.
The molecular spiral arms of NGC 6946 05 p0761 N91-14232
XIE, SHUDING
The CO-12 and CO-13 J=2-1 and J=1-0 observations of hot and cold galaxies 05 p0739 N91-14126
XIE, WEIDONG
Investigation on the projection by a Z-pinch discharge [DE90-637548] 02 p0275 N91-11544
XIE, XINGFA
The effect of electron collisions on rotational excitation of cometary water 17 p2898 N91-26018
XIE, Z.
Visual navigation around curved obstacles [OUEL-1861/90] 11 p1717 N91-19458
XIN, WEIZHUANG
A satellite-based radar wind sensor [NASA-CR-188805] 23 p3897 N91-31750
XU, CONG
Quantifying the FIR interaction enhancement in paired galaxies 08 p1253 N91-16900
XU, D.
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere [DE91-006569] 09 p1418 N91-17804
Effects of atmosphere and heating rate during processing of a ceramic superconductor [DE91-007761] 11 p1687 N91-19299
High-(Tc) superconductors: Fabricating technologies and future perspectives [DE91-015553] 21 p3600 N91-30029
XU, GUOJI
Investigation of methods to prepare carbon foils and to determine their thicknesses [DE90-638126] 09 p1317 N91-17231
XU, HUI
The fabrication and characteristics of YB2Cu3O(7-x)/W and Y2O3/W field emitters [AD-A227561] 09 p1409 N91-17756
XU, HUIHUANG
Supercomputer optimizations for stochastic optimal control applications 14 p2226 N91-22313
XU, J.
Gel solidified microinterface between two immiscible electrolytes applied to amperometric detection of picrate and tetramethylammonium [AD-A235260] 18 p2950 N91-26280
XU, JIANMIN
Motion equations for wind turbines with elastic wings [ILR-MITT-237(1990)] 07 p0937 N91-15137
XU, JINCHAO
Parallel multilevel preconditioners [DE91-001121] 04 p0573 N91-13186
XU, KEBEI
Thermoelectric potential effect and its applications in nondestructive testing [AD-A233048] 16 p2638 N91-24597
XU, KEI-WEN
Operator formalism of multi-pole Virasoro algebra on Riemann sphere [DE90-627217] 01 p0113 N91-10657
XU, KUAN-MAN
The coupling of cumulus convection with large-scale processes 22 p3709 N91-30642
XU, MEI
Estimations of ABL fluxes and other turbulence parameters from Doppler lidar data [NASA-CR-188053] 13 p2120 N91-21665
XU, MING
Critical currents, magnetic relaxation, and microstructure in zone-melted YBa2Cu3O(x) [DE91-006594] 09 p1418 N91-17807
Low temperature flux creep in high-T(sub c) superconductors [DE91-015193] 21 p3593 N91-29988

XU, WANQING
WPG-30 model microprocessor controlled rotating beryllium mirror scanning camera and its applications
[AD-A234802] 18 p2987 N91-26493
XU, X. Q.
Tearing modes in tokamaks with lower hybrid current drive
[DE90-017090] 01 p0126 N91-10743
Unified theory of ballooning instabilities and temperature gradient driven trapped ion modes
[DE90-017091] 01 p0126 N91-10744
Numerical simulation of ion temperature gradient driven modes in the presence of ion-ion collisions
[DE90-017092] 01 p0126 N91-10745
XU, Y. L.
Control of wind-induced tall building vibration by tuned mass dampers
[PB90-259334] 09 p1321 N91-17251
XU, YANGSHENG
A composite discrete/continuous control of robot manipulators
[AD-A236642] 19 p3175 N91-27555
Modeling of a 3-D light-weight space manipulator
[AD-A236823] 21 p3526 N91-29586
XU, YANSUN
A self-consistent analysis of far-infrared and submillimeter wavelength metal-grating free electron lasers 03 p0370 N91-12072
XU, YONGZHI
An approximation scheme for the three-dimensional scattered wave and its propagating far-field pattern in a finite depth ocean
[PB90-151002] 10 p1558 N91-18567
XU, YOUWEN
Irreversibility temperatures in oxide- and metallic superconductors
[DE91-004021] 06 p0880 N91-14861
XU, YUEMING
Spectrum formation in SN1987A 05 p0764 N91-14243
XU, ZHIZHONG
The determination of the momentum matrix elements involved in calculating the dielectric constants of superlattices using the tight-binding method
[DE91-617789] 20 p3428 N91-29017
XUE, DEYI
Representation and implementation of design knowledge for intelligent CAD: Implementation aspects
[CWI-CS-R9071] 17 p2835 N91-25670
Representation and implementation of design knowledge for intelligent CAD: Theoretical aspects
[CWI-CS-R9070] 17 p2841 N91-25699
XUE, Y.
Transonic blade-vortex interactions noise: A parametric study
[NASA-CR-187713] 05 p0617 N91-13422
A study of the noise mechanisms of transonic blade-vortex interactions
[NASA-CR-188159] 15 p2364 N91-23084
XUELIANG, LI
A note on 'the matching polynomial of a polygraph'
[MEMO-910] 23 p3921 N91-31905
XZYDLOWSKI, EDWARD
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test plan
[DOT/FAA/CT-TN90/41] 15 p2363 N91-23075

Y

YAAQUB, RAAD RASHAD
Composition of atmospheric aerosols in rural East Anglia and meteorological controls 03 p0391 N91-12179
YABE, T.
Two- and three-dimensional behavior of Rayleigh-Taylor and Kelvin-Helmholtz instabilities
[NIFS-61] 10 p1602 N91-18839
YABE, TAKASHI
Multi-dimensional cubic interpolation for ICF hydrodynamics simulation
[NIFS-82] 17 p2865 N91-25845
YABLONKO, YU. P.
Analysis of methods of presenting information to an operator in the control process 22 p3717 N91-30689
YACCARINO, K.
Proof-of-concept zinc/bromine electric vehicle battery
[DE91-011767] 18 p2981 N91-26463
YACHINI, RON
Problems in string matching
[ITN-90-85048] 07 p1041 N91-15709
YACOUB, GHASSAN Y.
Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697
YACOUB, H.
Environment fact finding mission report
[PB91-130369] 13 p2112 N91-21628
YACOUB, ZIAD
Voltages induced on a power distribution line by overhead cloud lightning 24 p4069 N91-32734
YACOUT, A. M.
Ion beam modifications of near-surface compositions in ternary alloys
[DE91-006035] 09 p1315 N91-17217
Absorbing CAD system geometries into GEANT
[DE91-015707] 23 p3908 N91-31816
YADLIN, YORAM
Block implicit multigrid solution of the Euler equations 15 p2421 N91-23413
YAGER, DONALD R.
Smoothness criteria for runway rehabilitation and overlays
[DOT/FAA/RD-90/23] 11 p1651 N91-19102
YAGER, JACQUELINE
State-of-the-art 22N (5 lbf) thruster finds broad application 16 p2574 N91-24265
YAGER, RONALD R.
The development of structure for the representation and manipulation of sophisticated knowledge in intelligent systems
[AD-A229114] 11 p1813 N91-19957
YAGI, M.
Anomalous transport studies for heliotron/torsatron 10 p1600 N91-18823
YAGI, MASATOSHI
Edge anomalous transport in heliotron/torsatron 20 p3408 N91-28892
Numerical study of ion temperature gradient modes in a tokamak 20 p3413 N91-28921
Fluctuation spectrum of ion temperature gradient driven modes in sheared magnetic fields 20 p3415 N91-28936
YAGI, TETSUYA
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
YAHIL, A.
Research in nuclear astrophysics: Stellar collapse and supernovae
[DE91-005988] 09 p1428 N91-17859
Research in nuclear astrophysics: Stellar collapse and supernovae
[DE91-015449] 21 p3606 N91-30066
YAHYAVI, AMIR H.
Finite and boundary element analysis of three-dimensional linear elastostatics 16 p2643 N91-24628
YAIR, DAREL
An algorithm for an automatic surveillance in outdoor surrounding for real-time applications
[ITN-91-85075] 07 p1005 N91-15518
YAIR, YOAV
A numerical model for the charging of poly-dispersed aerosol particles by attachment of atmospheric ions
[ITN-91-85100] 12 p1921 N91-20569
YAJIMA, TETSU
Soliton phenomena in electron beam plasma 20 p3414 N91-28930
YAJNIK, K. S.
Experiments on the turbulent boundary layer on a flat plate in the wake of another flat plate
[NAL-TM-EA-9001] 10 p1525 N91-18399
YAKHOT, V.
Development of turbulence models for shear flows by a double expansion technique
[NASA-CR-187611] 22 p3676 N91-30466
YAKIMENKO, A.
US reluctance on space cooperation criticized 12 p1850 N91-20170
YAKOVLEV, D. G.
Spectral synthesis code LINESPEC: Ionisation equilibrium of plasma and absorption spectra formation 06 p0923 N91-15106
YAKOVLEV, O. I.
Sulfuric acid in Venusian atmosphere determined from radio opacity data 12 p1849 N91-20160
YAKOVLEVA, V. A.
The polar-ring galaxies NGC 2685 and NGC 3808B (VV 300) 08 p1252 N91-16892
YAKUSHIN, S. B.
Human and animal results on vestibular research in space: VERIS 11 p1753 N91-19642
YALDA-MOOSHABAD, ISSAC
Camera space manipulation of a mobile robot 08 p1160 N91-16390
YAMABE, CHOBEI
Energy converter from laser energy to electricity using plasma as a medium: The separation of ions by the medium 19 p3248 N91-27966
Characteristics of corona-preionized UV TEA laser 19 p3249 N91-27967
YAMADA, H.
Electric field profile of CHS heliotron torsatron plasma with tangential neutral beam injection
[NIFS-60] 10 p1602 N91-18838
Observation of parallel viscosity in the CHS heliotron/torsatron
[NIFS-70] 13 p2157 N91-21891
YAMADA, HIROMITSU
Matching of complex 3-D surfaces using dynamic programming
[ERB-1022] 21 p3553 N91-29743
YAMADA, HITOSHI
Numerical treatment of laminar flow in curved rectangular channels 04 p0453 N91-12530
Numerical treatment of laminar flow in curved rectangular channels with entrance region 24 p3946 N91-32053
YAMADA, KEN
Optical Fiber Backscatter Signature Generator (OFBSG)
[AD-D014668] 11 p1798 N91-19870
YAMADA, S.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
YAMADA, T.
MTSL-005: Reliability evaluation of high pincount hermetic ceramic packages for space applications 24 p3995 N91-32328
YAMADA, TETSUJI
Numerical simulations of the mountain iron tracer data
[DE90-009749] 08 p1181 N91-16499
YAMAGATA, TOMOHIKO
Morphological type correlation between nearest neighbor pairs of galaxies 08 p1245 N91-16861
YAMAGISHI, T.
Electrostatic drift mode in toroidal plasma with minority energetic particles
[NIFS-74] 12 p1985 N91-20922
Application of mathematica to energy principle 20 p3411 N91-28910
YAMAGISHI, TOMEJIRO
Effect of energetic particle distribution on bounce resonance excitation of the ideal ballooning mode
[NIFS-75] 19 p3247 N91-27958
YAMAGUCHI, HIROMI
Numerical simulation of buffer flow in a free flow electrophoresis chamber 08 p1141 N91-16279
YAMAGUCHI, ISAO
On system identification using Hankel matrices by the time domain approach
[NAL-TR-1084] 17 p2832 N91-25645
YAMAGUTI, WILSON
Telecommand software for the Brazilian complete space mission 14 p2209 N91-22196
Satellite control system nucleus for the Brazilian complete space mission 14 p2210 N91-22203
YAMAKAWA, MASAKI
Specific impulse comparison of high density hydrocarbon fuel burned with oxygen
[NAL-TR-1053] 01 p0025 N91-10148
YAMAMOTO, A.
Turbulent mixing due to Rayleigh-Taylor instability in laser driven implosion 20 p3412 N91-28914
YAMAMOTO, J.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937
YAMAMOTO, KIYOSHI
Numerical simulation of thermal convection in a rectangular duct flow 24 p3947 N91-32062
YAMAMOTO, KUZUOMI
A numerical simulation for supersonic intake 04 p0454 N91-12535
YAMAMOTO, M.
Two-stage ion diode experiments on induction adder 11 p1801 N91-19884
YAMAMOTO, SATORU
Numerical simulations of transonic cascade flow and their visualizations 04 p0454 N91-12538
An implicit time-marching method for the three-dimensional Navier-Stokes equations of contravariant velocity components 04 p0465 N91-12603
Numerical turbulent simulations of unsteady transonic cascade flows 24 p3947 N91-32063
YAMAMOTO, T.
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography
[DE91-727527] 06 p0806 N91-14451
Experimental study on mercury heat pipes (on effect of screen mesh wick under bottom heat mode) 08 p1141 N91-16280

YAMAMOTO, TOSHIKAZU
Time resolved electron spectrum analyzer
19 p3248 N91-27965

YAMAMOTO, Y.
Ring-laser solitons: A multipass approach
[DE91-013242] 20 p3351 N91-28560

YAMAMOTO, YUKIMITSU
Numerical simulation of hypersonic flow around a space plane. Part 3: Analysis of aerothermodynamic heating
[NAL-TR-1027T] 01 p0002 N91-10011
Verification of numerical simulation codes for hypersonic viscous flow around a space plane
04 p0457 N91-12558
Numerical simulation of hypersonic flow around H-2 orbiting plane 04 p0458 N91-12559
Numerical simulation of hypersonic flow around a space plane 04 p0467 N91-12617
Numerical simulation of hypersonic flow around H-2 orbiting plane 24 p3943 N91-32034

YAMAMURO, NOBUHIRO
A nuclear cross section calculation system with simplified input-format
[DE90-008002] 17 p2861 N91-25820

YAMANAKA, C.
Two-stage ion diode experiments on induction adder
11 p1801 N91-19884

YAMANAKA, YUKI
Moduli space of Chern-Simons gravity
[DE91-772178] 17 p2874 N91-25898

YAMANE, M.
Passive control of vertical instabilities in ITER
[DE90-706120] 03 p0419 N91-12345

YAMAOKA, HITOSHI
Direct extraction of a Na(-) beam from a sodium plasma
[NIFS-35] 01 p0127 N91-10751

YAMASAKI, MASAO
A zonal approach for solutions to the compressible Navier-Stokes equations using a TVD finite volume method 04 p0455 N91-12539

YAMASHITA, AKIFUMI
VISSR demodulate and processing subsystem
01 p0058 N91-10342

YAMASHITA, MIKE
Compendium of fractographic data for composite materials
[AD-A233400] 16 p2589 N91-24351

YAMASHITA, NYUTA
The 1988 anthropometric survey of US Army personnel: Correlation coefficients and regression equations. Part 1: Statistical techniques, landmark, and measurement definitions
[AD-A224986] 03 p0395 N91-12194

YAMAUCHI, AKIRA
Application of knowledge-based system to spacecraft monitoring 14 p2216 N91-22250

YAMAUCHI, T.
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956

YAMAWAKI, RURIKO
Application of 3-D Navier-Stokes computation to turbine vane design 24 p3948 N91-32069

YAMAZAKI, K.
Electric field profile of CHS heliotron torsatron plasma with tangential neutral beam injection
[NIFS-60] 10 p1602 N91-18838

YAMAZAKI, Y.
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791

YAN, CHIUNG-YING
ZLIB: A numerical library for differential algebra (A user's guide for version 1.0)
[DE91-012552] 20 p3391 N91-28794

YAN, JERRY C.
Parallel processing and expert systems
12 p1945 N91-20700
Modelling parallel programs and multiprocessor architectures with AXE
[NASA-CR-177582] 16 p2673 N91-24793
Parallel processing and expert systems
[NASA-TM-103886] 18 p3042 N91-26796

YAN, SHEN
Optical methods of measuring the roughness of the surfaces of high precision steel balls
[AD-A234796] 18 p3064 N91-26928

YAN, T.-Y.
Analysis of a multiple reception model for processing images from the solid-state imaging camera
24 p3984 N91-32259

YAN, TSUN-YEE
A Mobile Satellite Experiment (MSAT-X) network definition
[NASA-CR-187336] 01 p0017 N91-10105

YAN, Y.
Normalization of the parameterized Courant-Snyder matrix
[DE91-012554] 18 p3052 N91-26856

YAN, Y. T.
Computation applied to particle accelerator simulations
[DE91-017128] 24 p4099 N91-32906

YAN, YITON
ZLIB: A numerical library for differential algebra (A user's guide for version 1.0)
[DE91-012552] 20 p3391 N91-28794

YAN, YITON T.
ZLIB: A numerical library for differential algebra and Lie algebraic treatment of beam dynamics
[DE91-014875] 21 p3554 N91-29746

YANAGI, N.
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937

YANAGIHARA, MASAAKI
Flight simulation programs for space plane
[NAL-TM-594] 02 p0185 N91-11035

YANAGISAWA, MITSUNORI
Comparison with computation using panel method and wind tunnel test around transonic complete aircraft
04 p0466 N91-12612

YANAGIZAWA, MITSUNORI
Generation of 3-D grid using boundary element method 04 p0455 N91-12545
Calculations for unsteady aerodynamic characteristics on a 3-D lifting body in subsonic flow using boundary element method
[NAL-TR-1065] 08 p1090 N91-15985

YANCEY, GREGG
SKITTER foot design
[NASA-CR-184932] 03 p0319 N91-11782

YANCEY, ROBERT N.
A new NDE capability for thin-shelled structures
[AD-A231578] 14 p2276 N91-22590

YANEY, P.
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240

YANEZ, ALBERT
The technical environment of computer assisted translation 04 p0603 N91-13354
Synthesis of solutions proposed for end-users
04 p0604 N91-13360

YANG, AN-BAN
A photoemission study of samarium on silicon
[DE90-011509] 08 p1233 N91-16799

YANG, B.
Intense field non-resonant multiphoton absorption of diatomic molecules
[DE91-006920] 11 p1793 N91-19835

YANG, C. C.
Fourth moments of acoustic waves forward scattered by a rough ocean surface
[AD-A227469] 08 p1188 N91-16529

YANG, C. H.
Quantum device development
[AD-A225813] 04 p0587 N91-13280

YANG, CHANG SUN
Electron-yield EXAFS studies of Tb/FeCo and Tb/Fe multilayers
[DE91-014786] 22 p3760 N91-30960

YANG, H.
Production status of GaAs/Ge solar cells and panels
22 p3632 N91-30212

YANG, H. Q.
Assessment of numerical methods for the solution of fluid dynamics equations for nonlinear resonance systems 09 p1299 N91-17128

YANG, HENRY T. Y.
Aeroelastic analysis of wings using the Euler equations with a deforming mesh
[NASA-TM-102733] 01 p0004 N91-10020
Spatial adaption procedures on unstructured meshes for accurate unsteady aerodynamic flow computation
[NASA-TM-104039] 12 p1828 N91-20048

YANG, HONG
H-infinity-optimal control for distributed parameter systems
[AD-A234931] 18 p3049 N91-26833

YANG, HUNG-YA
On the modeling and experimentation of electromagnetically coupled microstrip dipole arrays in a substrate-superstrate
[AD-A228707] 09 p1326 N91-17285

YANG, JAE-YOUNG
An investigation of voids formation mechanisms and their effects on freeze and thaw processes of lithium and lithium fluoride
[NASA-CR-188707] 22 p3646 N91-30294

YANG, JIANN CHYUAN
An experimental method for studying combustion of an unsupported fuel droplet at reduced gravity
15 p2397 N91-23273

YANG, JICAI
Thermoionic converter for space Reactor
[AD-A225299] 03 p0417 N91-12334

YANG, JICHUAN
A Monte Carlo method for sensitivity analysis and parametric optimization of nonlinear stochastic systems: The ergodic case
[AD-A228946] 09 p1390 N91-17650

YANG, K.
Growth condition dependence of RHEED pattern from GaAs(111)B surface
[DE91-014770] 21 p3593 N91-29986

YANG, L.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
Laser-induced fluorescence and nonlinear optical properties of ion-implanted fused silica
[DE91-004523] 09 p1317 N91-17232
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480

YANG, L. F.
Ground-based testing of the dynamics of flexible space structures using band mechanisms
[NASA-CR-188154] 13 p2103 N91-21576

YANG, LENG
Elevated temperature fracture of RS/PM aluminum alloy 8009 19 p3129 N91-27287

YANG, LI
Solution growth of Triglycine Sulfate (TGS) crystals on the International Microgravity Laboratory (IML-1)
19 p3269 N91-28080

YANG, LI-FARN
Control and mechanism interaction for ground-based testing of space structures 11 p1656 N91-19125
Conceptual design of a multiple cable crane for planetary surface operations
[NASA-TM-104041] 14 p2225 N91-22306
Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU]
20 p3289 N91-28184
Noncircular rolling joints for vibrational reduction in slewing maneuvers
[NASA-CASE-LAR-14515-1-CU]
20 p3354 N91-28580

YANG, LIN H.
Electron trapping in amorphous silicon: A quantum molecular dynamics study
[DE91-006008] 10 p1503 N91-18272
Impurity-defect complexes in hydrogenated amorphous silicon
[DE91-006765] 10 p1503 N91-18274

YANG, R. L.
NASA Langley Research Center HBCU/OMU program: 1990 student support survey
[NASA-CR-188149] 14 p2338 N91-22926

YANG, R.-J.
Numerical solutions of 2-D multi-stage rotor/stator unsteady flow interactions 13 p2013 N91-21070

YANG, S.
Preparation and characterization of Iron(III) oxide films by an novel spray pyrolysis method
[AD-A231047] 13 p2161 N91-21920

YANG, S. K.
A comparison of ERBE and AVHRR longwave flux estimates
[NOAA-TR-NESDIS-50] 10 p1555 N91-18553

YANG, SHIH-AN
Nonlinear viscous waves produced by an impulsively moving plate 05 p0655 N91-13641

YANG, SHIUH-KUANG
Elastic waves in structurally chiral composites
09 p1302 N91-17148

YANG, SHULI
MmB: A new class of accurate high resolution schemes for conservation laws in two dimensions
08 p1140 N91-16275

YANG, SHUMEI
Electronic excitation transport in photosynthesis and crystal and molecular structures of porphyrin compounds
[DE91-012024] 18 p3021 N91-26679

YANG, SONG
Atmospheric teleconnections: Emphasis on the El Nino/Southern Oscillation and monsoons
15 p2461 N91-23636

YANG, T. C.
Genetic changes in Mammalian cells transformed by helium cells
[DE91-013778] 20 p3379 N91-28721

YANG, T. F.
Propulsion research on the hybrid plume rocket
[NASA-TM-103372] 09 p1301 N91-17140
YANG, TRACY CHUI-HSU
Chromosomal changes in cultured human epithelial cells transformed by low- and high-LET radiation
[DE91-013772] 20 p3379 N91-28720
YANG, VIGOR
Liquid-propellant droplet vaporization and combustion in high pressure environments 20 p3295 N91-28225
YANG, WEIN-JOE
A SEM procedure for quantifying transgranular fracture in brittle material
[AD-A225211] 03 p0382 N91-12132
YANG, X. Q.
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828
YANG, X. Z.
Measurements of plasma space potential and radial electric field in TEXT with a heavy ion beam probe
[PB91-151290] 17 p2870 N91-25876
YANG, XI-LIANG
The fabrication and characteristics of YB2Cu3O(7-x)/W and Y2O3/W field emitters
[AD-A227561] 09 p1409 N91-17756
YANG, XIAOPU
Resonance region scattering
[AD-A226536] 05 p0647 N91-13589
YANG, Y.
Steady state and transient photoconductivity of thin film polydiacetylene single crystals
[AD-A235854] 19 p3252 N91-27990
Photo-induced charge carrier generation in thin film polydiacetylene single crystals
[AD-A235860] 19 p3252 N91-27991
YANG, YIHE
New image-tracking algorithm for fuzzy-relaxation matching of point patterns
[AD-A233506] 16 p2670 N91-24779
YANG, Z.
A k-epsilon modeling of near wall turbulence
[NASA-TM-105238] 24 p4017 N91-32460
YANG, ZHIGANG
Two theoretical studies of stability of swirling flows
16 p2622 N91-24521
YANKEE, S. J.
A comparison of microwave versus direct solar heating for lunar brick production 14 p2204 N91-22172
Consolidation of lunar regolith: Microwave versus direct solar heating 17 p2906 N91-26050
YANO, MILES K.
Support for thermally expanding conical heatshield
[AD-D014718] 12 p1861 N91-20225
YANQIAN, YE
Relative position of the critical points of a certain cubic system and a generalization of the Bendixson index formula
[REPT-90-23] 01 p0114 N91-10669
YANSON, KH. A.
Ultrasonic assessment of human tibia during 370-day antiorthostatic hypokinesia 10 p1562 N91-18591
YAO, D.
Tensile deformation of Al-Cu-Li-Zr alloy 2090-T8E41 at 298 and 77 K
[DE91-011885] 20 p3314 N91-28345
YAO, H. D.
Ellipsometric study of InGaAs MODFET material
[NASA-TM-103286] 11 p1698 N91-19351
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935
YAO, JEN-CHIH
Pseudo-monotone complementarity problems in Hilbert space
[DE90-016310] 01 p0113 N91-10660
YAO, M.
Advanced secondary batteries: Their applications, technological status, market and opportunity
[DE90-796146] 02 p0205 N91-11146
Numerical simulation of hole pressure for a Johnson-Segalman fluid
[AD-A233164] 16 p2625 N91-24537
Analytical solution of plane Poiseuille flow of a Johnson-Segalman fluid
[AD-A234313] 18 p2983 N91-26472
YAO, S. C.
Plasma assisted NO(x) reduction in existing coal combustors
[DE91-007380] 11 p1734 N91-19536
YAO, Y.
Purification, growth, and characterization of Zn(x)Cd(1-x)Se crystals 19 p3270 N91-28089
YAP, B. K.
Upper atmosphere IR radiation modeling and analysis
[AD-A227214] 08 p1177 N91-16482
YAP, SUE-KEN
PENGUIN: A language for reactive graphical user interfaces
[AD-A228580] 08 p1204 N91-16620
YARBROUGH, D. W.
Models for heat transport through assemblies of uniform-diameter hollow spheres
[DE91-012998] 20 p3343 N91-28512
YARIV, AMNON
Fundamental limits to performance of quantum well infrared detectors 06 p0796 N91-14397
Optoelectronic realizations of neural network models
[AD-A228841] 09 p1327 N91-17292
Dependence of the photorefractive properties of KTa(1-x)Nb(x)O3:Cu,V on Cu valence state concentration
[AD-A230954] 13 p2161 N91-21917
YARKONY, DAVID R.
Theoretical study of the radiative lifetime for the spin-forbidden transition a3 (sigma u +) to X1 (sigma g +) in He2
[AD-A230956] 13 p2151 N91-21854
YARMOFF, J. A.
Resonant photoelectron spectroscopy at the Mo 4p yields 4d absorption edge in MoS2
[AD-A235469] 19 p3123 N91-27251
YARNELL, K.
On-line magnetic tape Library Inventory Tracking And Reporting (LITAR) system
[AD-A234934] 18 p3077 N91-27004
YARROW, M.
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
YARTSEV, YE. I.
Effects of taurine on cytogenetic corneal disturbances induced in mice by 9 GeV protons
01 p0097 N91-10562
YASAR, OSMAN
A computational model for z-pinch plasma channels
01 p0123 N91-10730
YASOHAMA, K.
Development of Nb3Sn ac superconductor, part 1
[DE91-742150] 10 p1609 N91-18880
YASTREBOV, V. YE.
Reasons for inflight deterioration of state of health in pilots. Report 2 19 p3208 N91-27733
YASTROP, G.
Simulation of quadruple simultaneous parallel ILS approaches at D/FW, phase 3
[DOT/FAA/CT-90/15] 10 p1469 N91-18102
YASUDA, H.
Characterization of plasma polymerized hydrocarbons using CP-MAS carbon-13 NMR
[AD-A236947] 19 p3143 N91-27369
YASUDA, TAKESHI
Characteristics of corona-preionized UV TEA laser
19 p3249 N91-27967
YASUDA, Y.
Two-stage ion diode experiments on induction adder
11 p1801 N91-19884
YASUHARA, MICHIRU
A preliminary study of transonic flow around NACA0012 04 p0457 N91-12554
Calculation of high speed flow about winged body
04 p0466 N91-12613
An incompressible flow solver
24 p3944 N91-32040
YASUI, S.
Survey on electron beam processing technologies
[DE91-759126] 13 p2153 N91-21866
YASUKAWA, E.
Whie light solar corona: An atlas of 1988 K-coronameter synoptic charts, December 1987 to January 1989
[NASA-CR-184955] 02 p0294 N91-11649
YASUO, A.
Vibration characteristics of rotor containing boiling coolant
[DE91-742145] 10 p1536 N91-18454
YATA, S.
Research and development of lithium/polyacenic semiconductor (PAS) battery for load conditioner use
[DE91-742134] 10 p1520 N91-18370
YATES, G. J.
The morphology of Sersic-Pastoriza galaxies
08 p1252 N91-16893
Recovery of saturated video signals from vidicons by dynamic cathode biasing
[DE91-012402] 20 p3334 N91-28464
Measuring neutron fluences and gamma/x ray fluxes with CCD cameras
[DE91-014119] 20 p3349 N91-28549
High-speed TV cameras for streak tube readout
[DE91-016081] 23 p3873 N91-31602
Rate effects of standard and high strip current Microchannel Plate Image Intensifiers (MCPIIs)
[DE91-016196] 24 p4007 N91-32407
YATES, GEORGE J.
Radiation-induced noise in Charge-Coupled Device (CCD) and Charge-Injection Device (CID) imagers
[DE90-016724] 01 p0131 N91-10777
YATES, J. T.
An evaluation of the photopic electroretinogram using lower eyelid electrodes
[AD-A232988] 16 p2663 N91-24732
YATES, J. T., JR.
Dissociative adsorption of PH3 on Si(111)-(7x7). A high resolution electron energy loss spectroscopy study
[AD-A225313] 03 p0339 N91-11900
H-induced surface restructuring on Si(100): Formation of higher hydrides
[AD-A225499] 04 p0500 N91-12778
The stepwise dissociation of NH3 on the Si(111)-(7x7) surface: Low temperature dissociative adsorption and thermal effects
[AD-A235009] 18 p2949 N91-26274
Surface chemistry of silicon: The behavior of dangling bonds
[AD-A235011] 18 p2949 N91-26275
Atomic hydrogen driven halogen extraction from Si(100): Eley-Rideal surface kinetics
[AD-A239544] 23 p3812 N91-31266
YATES, J. TERRY
Glare and age: Acquisition of a clinical data base for aircrew standards
[AD-A229237] 09 p1372 N91-17541
YATES, JOHN E.
Concepts for cavitation alleviation of banded and ducted rotor tips
[AD-A236254] 19 p3101 N91-27135
YATES, JOHN T., JR.
Research on silicon, carbon, and silicon carbide heterostructures
[AD-A231943] 14 p2249 N91-22444
YATES, KEMBLE R.
The effect of suspended particles on Jean's criterion for gravitational instability 05 p0752 N91-14189
YATES, RUSSELL E., JR.
A new method for determining which stars are near a star sensor field-of-view
[NASA-TM-102180] 12 p1856 N91-20201
YATES, S. W.
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
YATSUI, K.
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
YATSUI, KIYOSHI
Symposium on Development of Intensed Pulsed Particle Beams and Its Applications
[NIFS-PROC-5] 11 p1800 N91-19882
Theoretical study of plasma focus diode
11 p1801 N91-19887
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
YATSUYANAGI, NOBUYUKI
Hot gas side heat transfer characteristics of LOX/H2 and LOX/HC type propellants
[NAL-TR-1062T] 01 p0032 N91-10190
YATSUZUKA, M.
Reduction of low energy components in pulse ion beam 11 p1801 N91-19889
Generation and focusing of carbon ion beam by the inverse pinch ion diode 11 p1801 N91-19890
Characteristics of ion beam generated with the 'point pinch diode' 19 p3249 N91-27969
YAU, HONG-TZONG
The development of an intelligent dimensional inspection environment using coordinate measuring machines
23 p3882 N91-31661
YAU, KITTY
Redundancy management for efficient fault recovery in NASA's distributed computing system
[NASA-CR-187879] 09 p1384 N91-17611
YAU, S. L.
Comparisons between scanning tunneling microscopy and outer-sphere electron-transfer rates at Pt(111) surfaces coated with ordered iodine adlayers
[AD-A237507] 21 p3575 N91-29883
Atomic-resolution scanning tunneling microscopy and infrared spectroscopy as combined in-situ probes of electrochemical adlayer structure: Carbon monoxide on rhodium(111)
[AD-A237508] 21 p3575 N91-29884
YAUNG, J. Y.
LEO space environmental effects: TRW LDEF experimental trays 16 p2714 N91-25024
LDEF SP-HVDE (space plasma-high voltage drainage experiment) post-flight data on spacecraft leakage current and discharge 16 p2720 N91-25064

YAVROUIAN, A. H.
Helium saturation of liquid propellants
16 p2574 N91-24266
Additives for high temperature liquid lubricants
[DE91-011018] 18 p2968 N91-26386
YAZDO, RENEE ANNA
High altitude reconnaissance aircraft
10 p1481 N91-18162
YE, H. J.
Photoexcitation spectroscopy of pernigraniline
[AD-A233841] 18 p2945 N91-26250
Photoinduced absorption and erasable optical information storage in polyanilines
[AD-A234108] 18 p3076 N91-27002
YE, HUANCHUN
Action principles for the Vlasov equation: Four old, one new
[DE91-008177] 11 p1784 N91-19787
YEAGER, E.
Electrocatalysts for oxygen electrodes
[DE91-010226] 17 p2770 N91-25327
In situ FTIR study of CO2 reduction on polycrystalline platinum in acid solutions
[AD-A235565] 19 p3123 N91-27253
Investigation of phenomena related to D2O electrolysis at a palladium cathode
[AD-A236409] 19 p3126 N91-27272
In-situ spectroscopic studies of redox active self-assembled monolayers on gold electrode surfaces
[AD-A235564] 19 p3157 N91-27452
YEAGER, WILLIAM T., JR.
Wind-tunnel survey of an oscillating flow field for application to model helicopter rotor testing
[NASA-TM-4224] 05 p0625 N91-13462
Vibratory loads data from a wind-tunnel test of structurally tailored model helicopter rotors
[NASA-TM-4265] 19 p3099 N91-27120
YEARBY, KEITH HOWARD
Magnetospheric VLF line radiation
20 p3374 N91-28693
YEDAVALLI, RAMA KRISHNA
Robust stability and performance for linear systems with structured and unstructured uncertainties
[AD-A225697] 04 p0572 N91-13177
YEDIDIA, MEIR
On transformed pattern matching problems
[ITN-90-85021] 16 p2666 N91-24752
YEE, C. P.
Ionospheric refraction effects on orbit determination using the orbit determination error analysis system
09 p1288 N91-17082
YEE, J. H.
Computation of broadband, high-power electromagnetic pulse generation from an air gas avalanche switch
[DE91-015793] 21 p3502 N91-29435
Initial testing of a two-dimensional computer code for microwave-induced surface breakdown in air
[DE91-015763] 24 p3989 N91-32286
YEE, JICK H.
Computational and experimental progress on laser-activated gas avalanche switches for broadband, high-power electromagnetic pulse generation
[DE91-001763] 05 p0652 N91-13623
Computation of two-dimensional microwave-generated electron layer evolution in low pressure air
[DE90-011465] 09 p1321 N91-17254
YEE, JOE Y.
Simulation of multipath for semiactive missiles
07 p1045 N91-15734
YEE, LAWRENCE
Luminescence and absorption spectra of C60 films
[AD-A232153] 15 p2508 N91-23900
YEE, TERRANCE
Design of a scientific probe for obtaining Mars surface material
[NASA-CR-186672] 02 p0293 N91-11641
YEGOROV, A. D.
Central and regional hemodynamics in prolonged space flights 01 p0095 N91-10554
Review of primary medical results of year-long flight on Mir station 18 p2933 N91-26178
Survey of the principal results of medical research in the flight program of the second main expedition aboard the Mir orbiting complex 18 p3022 N91-26686
YEGOROV, S. V.
Possibility of using evoked brain potentials to diagnose flight crew fatigue 10 p1560 N91-18576
YEGOROV, V. A.
Color selection in Luscher test as emotional status indicator in flight personnel 10 p1561 N91-18588
YEH, EUENG-NAN
SEAPAK user's guide, version 2.0. Volume 1: System description
[NASA-TM-100728-VOL-1] 17 p2837 N91-25683
SEAPAK user's guide, version 2.0. Volume 2: Descriptions of programs
[NASA-TM-100728-VOL-2] 17 p2838 N91-25684
YEH, F. C.
Heat transfer in rotating serpentine passages with trips normal to the flow
[NASA-TM-103758] 11 p1715 N91-19443
YEH, FREDERICK
Aerodynamics and heat transfer investigations on a high Reynolds number turbine cascade
[NASA-TM-103260] 07 p0937 N91-15134
YEH, H.
Quantitative MRI (Magnetic Resonance Imaging) measurement of binder distributions in green-state ceramics
[DE91-004418] 07 p1013 N91-15564
YEH, H. C.
Nuclear magnetic resonance imaging of green-state ceramics
[DE91-010750] 17 p2762 N91-25292
YEH, HUAHN-FERN
Improvement of flexible dynamics models by analytical and experimental techniques 07 p1009 N91-15540
YEH, PEN-SHU
Algorithms for a very high speed universal noiseless coding module
[NASA-CR-187974] 11 p1775 N91-19733
On the optimality of code options for a universal noiseless coder
[NASA-CR-187973] 11 p1775 N91-19734
YEH, POCHI
The First Nonlinear Optics: Materials, Phenomena, and Devices Conference
[AD-A234733] 18 p3064 N91-26926
Studies of phase-conjugate optical device concepts
[AD-A236075] 19 p3246 N91-27950
YEH, Y. C. M.
Status of GaAs/Ge solar cells
11 p1667 N91-19185
YEH, YEU-PIN
Studies of the two-phase plume jet and wall erosion in a vertical launching system 20 p3281 N91-28145
YELLOWHORSE, LARRY
Photocatalytic destruction of chlorinated solvents with solar energy
[DE91-000767] 09 p1310 N91-17193
YELON, W. B.
On the effects of magnetic bonding in rare earth transition metal intermetallics
[DE90-015800] 01 p0026 N91-10156
Inelastic scattering in condensed matter with high intensity Moessbauer radiation
[DE91-014384] 21 p3592 N91-29980
YEN, C. F.
Composite specimen design analysis. Volume 1: Analytical studies
[AD-A235990] 19 p3119 N91-27233
YEN, C.-F.
Micromechanical evaluation of ceramic matrix composites
[AD-A236756] 19 p3121 N91-27240
YEN, H. W.
Diode laser scaling using unconventional adaptive optics
[AD-A233060] 16 p2689 N91-24884
YEN, JENG
Numerical methods for constrained equations of motion in mechanical systems dynamics
16 p2634 N91-24578
YEN, JOHN
Using fuzzy logic to integrate neural networks and knowledge-based systems 13 p2141 N91-21788
YEN, MING-CHENG
The effect of atmospheric diabatic heating on low-frequency oscillations 14 p2285 N91-22634
YEN, THOMAS Y.
Comparison of force and tactile feedback for grasp force control in telemanipulation 12 p1937 N91-20655
YEN, WILLIAM M.
Optical studies of dynamical processes in disordered materials
[DE91-006483] 09 p1399 N91-17702
YEN, YIN-CHAO
Natural convection heat transfer in water near its density maximum
[AD-A233106] 16 p2625 N91-24534
YEOH, LEAN-WENG
An analysis of MLAYER: A multilayer tropospheric propagation program
[AD-A232733] 15 p2416 N91-23379
YEOM, CHAN HONG
An assumed strain finite element model for composite shells undergoing large deflection
03 p0378 N91-12112
YEON, KYU H.
Exact solution of a quantum forced time-dependent harmonic oscillator
[AD-A236633] 20 p3394 N91-28812
YEON, KYU-HWANG
Propagators for quantum oscillator chains
[AD-A234467] 18 p3058 N91-26893
YEPISHKIN, A. K.
Physical and psychogenic sequelae of impact acceleration on tracking performance of operators
18 p3025 N91-26701
YEREMIAN, A. D.
SLC polarized beam source electron optics design
[DE91-012911] 20 p3404 N91-28869
YESAVAGE, VICTOR F.
An automated flow calorimeter for heat capacity and enthalpy measurements at elevated temperatures and pressures
[DE91-002759] 06 p0830 N91-14584
YESHURUN, Y.
Particulate ceramic matrix composites for high strain-rate performance
[AD-A229364] 22 p3642 N91-30269
YESLEY, JOEL M.
Study of the relationships between Near Midair Collisions (NMAC's), Midair Collisions (MAC's) and some potential causal factors
[PB90-268491] 09 p1275 N91-17007
YETSO, B.
Experimental investigation of meteor burst footprints
22 p3659 N91-30369
YETTER, JOSEPH A., JR.
The nature of the propagation of sea breeze fronts in central California
[AD-A238635] 21 p3544 N91-29692
YETTER, R. A.
Comprehensive mechanisms for combustion chemistry: An experimental and numerical study with emphasis on applied sensitivity analysis
[DE91-008030] 11 p1681 N91-19262
Boron combustion model development with kinetic sensitivity analysis and measurement of key chemical rate parameters
[AD-A235309] 18 p2951 N91-26283
YEU, TAEWHAN
New secondary batteries utilizing electronically conductive polypyrrole cathode
17 p2769 N91-25324
YEUNG, F. K.
Cold start development of modern small gas turbine engines at Pratt and Whitney Aircraft of Canada Ltd.
23 p3793 N91-31156
YEUNG, K. S.
Sliding mode controller of RF cavity tuning loop
[DE91-015461] 21 p3498 N91-29410
YEVDOKIMOV, V. I.
Neurotic and psychosomatic risk factors in flight personnel 10 p1562 N91-18593
YEVICH, R. M.
Theoretical studies of long-range transport of oxidants
[PB91-182360] 21 p3539 N91-29661
YI, YAN
First kind boundary integral methods for two-dimensional potential problems with singularities
10 p1579 N91-18693
YI, YUNG K.
Power terminal protection device
[AD-D014747] 12 p1894 N91-20414
YI, ZHANG
On the stability analysis of nonlinear systems
[RR-36w] 07 p1060 N91-15826
K-exponential stability of nonlinear delay systems
[RR-391] 07 p1060 N91-15827
Periodic solutions of neutral differential equations
[RR-390] 08 p1210 N91-16658
YIGAL, DEBORA
Synthesis of heterocyclic compounds; derivatives of 2-thiazolidinone
[ITN-90-85038] 07 p0967 N91-15309
Synthesis of heterocyclic compounds: Derivatives of 2-thiazolidinone
[ITN-91-85080] 07 p0967 N91-15310
YIM, JAEGEOL
A predicate/transition net model for artificial intelligence robot planning 22 p3741 N91-30840
YIN, CHING-CHUNG
Guided waves in fiber-reinforced composite laminates
09 p1303 N91-17152
YIN, JOHN
NSI white pages project: X.500 directory service
18 p3081 N91-27039
YIN, L.
Structures of cyano-biphenyl liquid crystals
19 p3270 N91-28091

YIN, PAUL K.
Structural concept studies for a horizontal cylindrical lunar habitat and a lunar guyed tower
18 p3097 N91-27117
YIN, XIAONAN
Preparation and characterization of polyelectrolyte copolymers containing methyl methacrylate and 2-hydroxyethyl methacrylate. Part 1: Polymers based on methacrylic acid
[NIAR-91-4-PT-1] 14 p2251 N91-22453
YINFA, MA
Indirect fluorometric detection techniques on thin layer chromatography and effect of ultrasound on gel electrophoresis
[DE91-007519] 10 p1497 N91-18240
YINGER, C. H.
GPS composite clock software performance
17 p2858 N91-25801
YIP, KUOR-JIER JOSEPH
Climate fluctuations and climate sensitivity
03 p0445 N91-12485
YIP, S.
Molecular dynamics simulation of the effect of interfaces in melting and solid-state amorphization
[DE91-015550] 21 p3477 N91-29284
YIU, YAU-CHEUNG
Reduced vector basis for dynamic analysis of large damped structures 15 p2442 N91-23525
YLVISAKER, D.
Bayesian design and analysis of computer experiments: Use of derivatives in surface prediction
[DE91-013147] 20 p3385 N91-28751
YOCUM, J.
Control and dynamics of a flexible spacecraft during stationkeeping maneuvers 14 p2228 N91-22324
YODER, CHARLES F.
Report of the panel on earth structure and dynamics, section 6 13 p2106 N91-21595
YODER, JAMES A.
Aircraft remote sensing of phytoplankton spatial patterns during the 1989 Joint Global Ocean Flux Study (JGOFS) North Atlantic bloom experiment
17 p2800 N91-25493
YODH, G. B.
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
YOERGER, E. J.
Performance of neural networks in classifying environmentally distorted transient signals
[AD-A230739] 12 p1888 N91-20380
YOES, CISSY
Feasibility study on the use of groupware support for NASA source evaluation boards
[NASA-CR-188832] 24 p4085 N91-32824
YOES, CISSY A.
The integrated scheduling system: A case study in project management
[NASA-CR-187261] 01 p0134 N91-10793
YOHE, G. W.
Imbedding dynamic responses with imperfect information into static portraits of the regional impact of climate change
[DE91-004744] 09 p1361 N91-17480
YOKOSAWA, A.
Experiments with Fermilab polarized proton and polarized antiproton beams
[DE91-006027] 09 p1398 N91-17692
Recent results and future prospects for the polarized beam at Fermilab
[DE91-010590] 15 p2503 N91-23862
YOKOTA, T.
Operation test of a load conditioner using sealed lead-acid batteries and life cycle test of lead-acid batteries
[DE91-742131] 10 p1520 N91-18368
YOKOYA, K.
Simulations on pair creation from beam-beam interaction in linear colliders
[DE91-012315] 20 p3398 N91-28834
YOKOYA, TAKESHI
Telemetry subsystem 01 p0058 N91-10345
YOKOYAMA, JUNICHI
Phase transitions triggered by quantum fluctuations in the inflationary universe
[NASA-CR-188698] 20 p3444 N91-29112
YOKOYAMA, SHINTARO
The establishment and performance test of PAPI (Precision Approach Path Indicator) System for NAL STOL aircraft
[NAL-TM-579] 01 p0006 N91-10030
YONAS, G.
Technology teamwork: The role of the national laboratories in implementing US technology policy
[DE91-010017] 16 p2701 N91-24956
YONG, YOOK-KONG
Modeling frequency fluctuations in surface contaminated crystal resonators
[AD-A226019] 04 p0519 N91-12888
YONKER, CLEMENT R.
The development of improved capillary supercritical fluid chromatography and mass spectrometry
[AD-A228535] 08 p1112 N91-16107
YONNET, J.
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842
YOO, C. S.
Shock-induced optical emission in Al2O3 at 200 GPa: Implications for shock temperature measurements in metals
[DE91-013584] 20 p3318 N91-28365
YOO, KYUNG MIN
Unsteady vortex lattice aerodynamics for rotor aeroelasticity in hover and in forward flight
03 p0300 N91-11671
YOO, M. H.
Defects in close-packed metals and alloys
[DE90-017502] 02 p0196 N91-11097
The role of twinning in brittle fracture of Ti-aluminides
[DE91-005506] 09 p1316 N91-17221
First-principles investigation of mechanical behavior of B2 type aluminides: FeAl and NiAl
[DE91-006284] 09 p1316 N91-17224
Effects of elastic anisotropy on mechanical behavior of intermetallic compounds
[DE91-010392] 17 p2759 N91-25274
Synthesis of atomistic and continuum modelling of intermetallic alloys
[DE91-011089] 17 p2760 N91-25279
YOO, SUNGYUL
A novel potential/viscous flow coupling technique for computing helicopter flow fields
[NASA-CR-177568] 11 p1643 N91-19060
YOON, BOK-HYUN
Computational analysis of hypersonic flows past elliptic-cone waveriders 23 p3781 N91-31080
YOON, SEOKKWAN
Computations of three-dimensional steady and unsteady viscous incompressible flows 02 p0146 N91-10852
YOON, SUGJOON
Real-time simulation of constrained dynamic systems
15 p2383 N91-23189
YOON, TAE SEOG
A spectrophotometric study of the secondaries of Algol systems 23 p3937 N91-32005
YORK, B. J.
Computational models with advanced thermochemistry for the analysis of missile/plume flowfield interactions
06 p0776 N91-14305
YORK, D. G.
The ultraviolet atlas of quasar and Blazar spectra
09 p1444 N91-17961
YORK, G. W.
Droplet shattering, vaporization, and recondensation in cloud clearing with long pulse infrared chemical lasers
[DE90-010584] 08 p1152 N91-16343
YORK, PAUL
Human factors cockpit: A system and human factors program to enhance safety and efficiency in single pilot IFR and terminal area operations
16 p2555 N91-24165
YORK, THOMAS M.
IR and FIR laser diagnostics for plasma thrusters using a CW CO2 radiation source
[AD-A226816] 06 p0876 N91-14843
YORKE, J. A.
The study of effects of small perturbations on chaotic systems
[DE91-007320] 11 p1785 N91-19792
YORKEY, T.
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
YORTSOS, Y. C.
Long waves in parallel flow in Hele-Shaw cells
[DE91-002232] 16 p2625 N91-24536
YOSHIDA, F.
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
YOSHIDA, HIROYUKI
Effects of neutron irradiation on low temperature strength of aluminum alloys and their electron beam welded joints
[DE91-744817] 12 p1869 N91-20267
YOSHIDA, N.
The influence of nickel content on microstructures of Fe-Cr-Ni austenitic alloys irradiated with nickel ions
[DE91-004894] 07 p0982 N91-15388
YOSHIDA, RYUJI
Numerical simulation of hypersonic flow around a space plane. Part 3: Analysis of aerothermodynamic heating
[NAL-TR-1027T] 01 p0002 N91-10011
Verification of numerical simulation codes for hypersonic viscous flow around a space plane
04 p0457 N91-12558
YOSHIDA, S.
Survey observations of emission-line stars in the Orion region 06 p0897 N91-14955
YOSHIDA, T.
Management and operation of environmental test facility complex 07 p0951 N91-15225
YOSHIDA, Y.
Solidification of an Al-Pb-Bi alloy under microgravity (TEXUS 13) 23 p3843 N91-31427
YOSHIDA, Z.
Hall effects on anomalous heat, particle and helicity transports through tearing-mode turbulence
[DE91-010730] 15 p2513 N91-23924
Direct ion heating in MHD relaxation
20 p3411 N91-28911
YOSHIHARA, HIDEO
Recent hypersonic Navier/Stokes calculations
04 p0463 N91-12592
YOSHIKAWA, HIROYUKI
Modeling design processes
[CWI-CS-R9059] 17 p2640 N91-25697
YOSHIKAWA, S.
Propagation of drift waves in toroidal plasma systems
20 p3416 N91-28939
YOSHIKAWA, SHOKO
Passive vibration damping
[AD-A233197] 16 p2647 N91-24656
YOSHIMOTO, HITOSHI
Wave dynamics in the mesospheric hydroxyl layer
[AD-A229306] 22 p3704 N91-30617
YOSHINAGA, TAKASHI
Coning motion of slender bodies at high angles of attack
[NAL-TR-1059] 13 p2019 N91-21111
YOSHITAKE, AKIHIDE
Fabrication of the Functionally Gradient Materials (FGM): The state of the art 03 p0328 N91-11827
YOSHIZAWA, AKIRA
Turbulent dynamo and subgrid-scale modeling of MHD turbulence 20 p3407 N91-28887
YOSHPE, IRIS
CHAPS boosts the recovery of hydrophobic membrane proteins from various chromatography media
14 p2297 N91-22696
YOSIDA, MASAHIRO
Simulation of a parallel computer with a 2-dimensional CFD program 04 p0451 N91-12515
YOST, B.
Deformation and thermal fatigue in high temperature austenitic alloys
[DE91-014981] 21 p3480 N91-29305
YOST, DAVID J.
Modern robust control for missile autopilot design
05 p0619 N91-13435
YOST, DOUGLAS M.
Field demonstration of aviation turbine fuel MIL-T-83133C, grade JP-8 (NATO code F-34) at Fort Bliss, TX
[AD-A233441] 16 p2611 N91-24458
YOST, JAMES M.
COLD-SAT feasibility study safety analysis
[NASA-CR-187042] 11 p1663 N91-19167
YOST, VAUGHN H.
X ray sensitive area detection device
[NASA-CASE-MFS-28232-1] 06 p0874 N91-14835
YOST, WILLIAM A.
Auditory processing of complex sounds across frequency channels
[AD-A238023] 21 p3572 N91-29862
YOST, WILLIAM T.
Method and apparatus for characterizing residual stress in ferromagnetic materials
[NASA-CASE-LAR-14239-1] 05 p0636 N91-13527
The transfer of technology to measure skin burn depth in humans 15 p2541 N91-24076
An ultrasonic technique to measure the depth of burn wounds in humans
[NASA-TM-104116] 19 p3239 N91-27910
Method and apparatus for characterizing reflected ultrasonic pulses
[NASA-CASE-LAR-13966-1] 19 p3239 N91-27914
YOTSUKURA, TERUMITSU
Heat transfer characteristics of a radical heat pipe
08 p1140 N91-16276

YOU, H.
Epitaxial TiO2 and VO2 films prepared by MOCVD (Metal-Organic Chemical Vapor Deposition)
[DE90-017806] 02 p0281 N91-11578
YOU, HONG K.
X ray diffraction and electron spectroscopy of epitaxial molecular C60 films
[AD-A232152] 15 p2517 N91-23954
YOU, HOYDOO
X ray diffraction study of heteroepitaxy of MOCVD grown TiO2 and VO2 films on sapphire single crystals
[DE91-013764] 20 p3432 N91-29037
YOU, J. H.
An estimation of temperatures of H I zone in BLR of Seyfert 1 galaxy I ZW1 09 p1443 N91-17959
YOUCEF-TOUMI, K.
A time delay controller for magnetic bearings
13 p2037 N91-21205
YOUNG, A. C.
Gelcast zirconia-alumina composites
[DE91-007835] 11 p1676 N91-19239
Gelcast reaction-bonded silicon nitride composites
[DE91-009134] 14 p2251 N91-22457
YOUNG, B. K. F.
Analysis of time- and space-resolved Na-, Ne-, and F-like emission from a laser-produced bromine plasma
[DE91-011523] 17 p2869 N91-25871
YOUNG, BETTY AILEEN
Phonon-mediated detection of elementary particles using silicon crystal acoustic detectors
20 p3349 N91-28547
YOUNG, C. E.
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
Sputtering of molecules from ZnS, CdS, and FeS2
[DE91-010279] 17 p2870 N91-25878
YOUNG, CHRISTOPHER JOHN
Excursions to the base of the mantle
08 p1179 N91-16491
YOUNG, CLARENCE P., JR.
Design and fabrication of instrumented composite airfoils for a cryogenic wind tunnel model
[NASA-TM-102740] 04 p0536 N91-12971
Mechanical properties of the fiberglass prepreg system used for the National Transonic Facility replacement blade set
[NASA-TM-102756] 10 p1474 N91-18120
Structural integrity of wind tunnel wooden fan blades
[NASA-TM-104059] 14 p2276 N91-22589
Braze alloy process and strength characterization studies for 18 nickel grade 200 maraging steel with application to wind tunnel models
[NASA-TM-104075] 17 p2760 N91-25283
YOUNG, D. F.
Ozone reference models for the middle atmosphere (new CIRA) 19 p3188 N91-27633
YOUNG, D. H.
Optimal aeroassisted orbital transfer with plane change using collocation and nonlinear programming
09 p1292 N91-17101
YOUNG, D. J.
A review of navigational techniques employed in cruise missiles and a proposed alternative solution
[ETN-90-98219] 03 p0311 N91-11744
YOUNG, D. M.
Parallel supercomputing: Advanced methods, algorithms, and software for large-scale problems
[DE91-011430] 17 p2839 N91-25691
YOUNG, DAVID F.
ERBE and AVHRR Cirrus cloud fire study
01 p0079 N91-10472
Cloud parameters from GOES visible and infrared radiances during the FIRE Cirrus IFO, October 1986
01 p0079 N91-10473
Cirrus cloud properties derived from coincident GOES and lidar data during the 1986 FIRE Cirrus Intensive Field Observations (IFO) 01 p0080 N91-10476
Extended time observations of California marine stratocumulus clouds from GOES for July 1983-1987
01 p0082 N91-10488
Cloud parameters derived from GOES during the 1987 marine stratocumulus FIRE Intensive Field Observation (IFO) period 01 p0085 N91-10505
YOUNG, DAVID T.
High mass resolution, high angular acceptance time-of-flight mass spectroscopy for planetary missions under the Planetary Instrument Definition and Development Program (PIDDP)
[NASA-CR-187912] 10 p1624 N91-18959
YOUNG, DOUGLAS
A pointable, helicopter-based remote sensing data acquisition system for collecting bidirectional reflectance data 17 p2800 N91-25491
YOUNG, ELIZABETH
Operational SATCOM: Moving from trials to service
24 p3957 N91-32111
YOUNG, G. C.
Late Proterozoic and early Palaeozoic palaeontology and biostratigraphy of the Amadeus Basin
19 p3193 N91-27655
YOUNG, GEORGE
Aircraft measurements of the mean and turbulent structure of marine stratocumulus clouds during FIRE
01 p0087 N91-10514
YOUNG, GEORGE S.
The measurement of air-sea fluxes
[AD-A228511] 09 p1367 N91-17514
YOUNG, J.
Regional oxidant model user's guide. Part 3: The core model
[PB91-171942-PT-3] 19 p3188 N91-27627
YOUNG, J. K.
Catalysis-by-design impacts assessment
[DE91-013280] 23 p3809 N91-31247
YOUNG, J. O.
Regional Oxidant Model Multi-Processor (ROMMP)
[PB91-131680] 11 p1736 N91-19547
YOUNG, J. P.
Applications of diode lasers to resonance ionization mass spectrometry
[DE90-017768] 02 p0194 N91-11084
In-line sensors for electrolytic magnesium cells
[DE91-002561] 06 p0804 N91-14438
Application of diode lasers to resonance ionization mass spectrometry
[DE91-000614] 08 p1110 N91-16094
YOUNG, J. S.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
A comparison of the radial distribution of molecular gas and non-thermal radio continuum in spiral disks
05 p0743 N91-14145
YOUNG, JOHN
Health maintenance facility: Dental equipment requirements 24 p4077 N91-32777
Dental equipment test during zero-gravity flight
24 p4078 N91-32778
Fluid handling 2: Surgical applications
24 p4080 N91-32790
YOUNG, JUDITH
The CO-12 and CO-13 J=2-1 and J=1-0 observations of hot and cold galaxies 05 p0739 N91-14126
YOUNG, JUDITH S.
The ratio of molecular to atomic gas in spiral galaxies as a function of morphological type
05 p0737 N91-14119
Global and radial variations in the efficiency of massive star formation among galaxies 05 p0758 N91-14215
YOUNG, L.
Recent developments in laser-driven polarized sources
[DE91-006600] 10 p1529 N91-18419
YOUNG, L. E.
Design and status of the RF-digitizer integrated circuit
24 p3985 N91-32262
YOUNG, L. M.
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640
YOUNG, LAURENCE R.
Perception of the body in space: Mechanisms
17 p2820 N91-25585
Gravitational effects on brain and behavior
17 p2820 N91-25586
MIT/Canadian vestibular experiments on the Spacelab-1 mission. Part 1: Sensory adaptation to weightlessness and readaptation to one-g: An overview
17 p2821 N91-25587
YOUNG, LAWRENCE E.
System and method for measuring ocean surface currents at locations remote from land masses using synthetic aperture radar
[NASA-CASE-NPO-17937-1-CU]
13 p2111 N91-21621
YOUNG, LEIGHTON E.
An overview of the first results on the solar array passive LDEF experiment (sample), AO171
16 p2719 N91-25059
YOUNG, M. H.
Development of Si/SiGe heterostructures
[AD-A232747] 15 p2518 N91-23961
YOUNG, MARY H.
Possibilities for LWIR detectors using MBE-grown Si(/Si(1-x)Ge(x) structures 06 p0796 N91-14400
YOUNG, MAUDE E.
Dielectric charging as a catalyst to the formation of potential barriers on synchronous orbit satellites
[AD-A225796] 07 p0962 N91-15294
YOUNG, MICHAEL A.
Benchmarking the connection machine
[AD-A229705] 12 p1953 N91-20743
NRL connection machine Fortran library
[AD-A234121] 18 p3040 N91-26779
YOUNG, P. E.
Experimental study of filamentation in laser-plasma interactions
[DE91-006510] 09 p1408 N91-17748
UV Thomson scattering from x ray laser plasmas
[DE91-007347] 11 p1802 N91-19895
Inertial Confinement Fusion, Volume 1, Number 2
[DE91-017920] 24 p4107 N91-32951
YOUNG, P. G.
Coupled proton/neutron transport calculations using the S(sub N) and Monte Carlo methods
[DE91-009949] 14 p2326 N91-22849
YOUNG, PAUL E.
Distributed problem solving: Adaptive networks with a computer intermediary resource
[AD-A226346] 04 p0570 N91-13166
YOUNG, PHILIP R.
Chemical characterization of selected LDEF polymeric materials 16 p2713 N91-25019
Effects of LDEF flight exposure on selected polymeric films and thermal control coatings
16 p2716 N91-25034
Effects of LDEF flight exposure on selected polymer matrix resin composite materials
16 p2719 N91-25053
YOUNG, R. P.
Bidirectional reflectance distribution (BRDF) of NASA shuttle tiles
[AD-A235115] 18 p2935 N91-26188
Application of diffraction correction to blackbody sources
[AD-A237840] 21 p3582 N91-29926
YOUNG, RONALD
Evaluation of cloud detection instruments and performance of laminar-flow leading-edge test articles during NASA Leading-Edge Flight-Test Program
[NASA-TP-2888] 16 p2560 N91-24199
YOUNG, S.
Ionic solid hydrogen fuel: Experimental investigation of cluster-impact fusion
[AD-A232642] 15 p2409 N91-23336
Liquid-crystal characterization using the Z-scan technique
[RSRE-MEMO-4451] 15 p2517 N91-23949
YOUNG, SHAROLYN L.
Satellite observation of Great Lakes ice: Winter 1986-1987
[NOAA-NESDIS-34] 22 p3696 N91-30576
YOUNG, WILLIAM D.
Machine-checked proofs of the design and implementation of a fault-tolerant circuit
[NASA-CR-182099] 07 p1048 N91-15752
The design and proof of correctness of a fault-tolerant circuit 09 p1377 N91-17569
YOUNGBLOOD, G. E.
Advanced materials for high-temperature solid electrolyte applications
[DE90-016328] 01 p0024 N91-10143
Advanced materials and electrochemical processes in high-temperature solid electrolytes
[DE91-005181] 10 p1521 N91-18379
Electrochemical processes at solid electrode-electrolyte-gas interfaces
[DE91-012922] 20 p3309 N91-28317
YOUNGDAHL, C. A.
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991
High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029
YOUNGDAHL, C. K.
Approximating the dynamic response of strain-hardening structures
[DE91-006392] 15 p2443 N91-23534
YOUNGEN, GREGORY K.
Index to place of publication of ASME Papers, 1978 to 1988
[DE91-004654] 07 p1077 N91-15923
YOUNGER, P. R.
Three dimensional scattering center imaging techniques
[NASA-CR-188012] 14 p2255 N91-22472
YOUNGER, S. M.
Quasi-molecular processes in dense plasmas
[DE91-007388] 11 p1803 N91-19899

YOUNGER, STEPHEN M.
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282
YOUNGOWL, ROLAINE C.
Photochemical spacecraft self-contamination: Laboratory results and systems impacts
[AD-A226488] 04 p0493 N91-12739
YOUNGS, A. C.
The use of axisymmetric flow for investigation of shock wave-boundary layer interactions
[BU-520] 14 p2265 N91-22529
YOUNKER, L. W.
Earth sciences report, 1989 - 1990
[DE91-017132] 24 p4124 N91-33053
YOUNKIN, J. R.
Gas tungsten arc adaptive welding
[DE91-017848] 24 p4029 N91-32513
YOUNT, J. A.
Technology modernization assessment flexible automation
[DE91-005620] 11 p1778 N91-19751
YOUSSEF, A.
New technologies for integrating thermal control, and radiation protection in hybrid technology
24 p3996 N91-32330
YOUSSEF, H. M.
Flexible body dynamic stability for high performance aircraft 14 p2227 N91-22318
YOUSSEF, S.
Absorbing CAD system geometries into GEANT
[DE91-015707] 23 p3908 N91-31816
YOUSSEFI, GERHARD
Interpretation of the diffusive galactic continuum gamma radiation in MeV area
[MPE-220] 08 p1268 N91-16983
YU, C. C.
Control and structural optimization for maneuvering large spacecraft
[NASA-CR-187490] 17 p2741 N91-25168
YU, CHANG TE
A SEM procedure for quantifying transgranular fracture in brittle material
[AD-A225211] 03 p0382 N91-12132
YU, DEQUAN
Numerical simulations of vortex interactions with a free surface 03 p0362 N91-12030
YU, F. T.
Hybrid optical processor
[AD-A227163] 06 p0874 N91-14834
YU, FRANCIS T.
Adaptive liquid crystal TV based joint transform correlator as applied to real-time pattern recognition
[AD-A238576] 21 p3583 N91-29931
YU, H. S.
A novel isoparametric finite element displacement formulation for axisymmetric analysis of nearly incompressible materials
[OUEL-1872/91] 11 p1784 N91-19791
YU, J.
Enhancement of forced convection heat transfer in tubes using staged tangential flow injection
[PB90-247594] 02 p0209 N91-11170
YU, K. M.
Novel metal ion surface modification technique
[DE91-010228] 16 p2602 N91-24422
Interfacial reactions between thin films of Co and InP(100)
[DE91-011910] 17 p2874 N91-25896
Thin film alloys on semiconductor substrates
[DE91-012355] 18 p3073 N91-26985
Plasma immersion surface modification with metal ion plasma
[DE91-014233] 20 p3422 N91-28979
YU, KENNETH HYUPSANG
Low-frequency pressure oscillations in a model ramjet dump combustor 03 p0313 N91-11755
YU, L. H.
Universal scaling function for FEL gain
[DE91-001124] 04 p0529 N91-12937
Proposed UV-FEL user facility at BNL
[DE91-001131] 04 p0530 N91-12938
YU, MING-HUEI
Local and global instability of heated 2-D jets and wakes 08 p1144 N91-16298
YU, N. Y.
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 1: Theory document
[NASA-CR-181924-VOL-1] 16 p2548 N91-24118
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 2: User guide
[NASA-CR-181924-VOL-2] 16 p2548 N91-24119
YU, P. K. L.
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569
Study and development of tunable, single mode AlGaAs/GaAs lasers
[DE91-001684] 05 p0665 N91-13697
YU, P. Y.
Pressure dependence of deep centers by capacitance spectroscopies inside the diamond anvil cell
[DE91-008927] 13 p2159 N91-21906
YU, S. L.
Effect of boron addition on recrystallization and grain growth in Ni3Al polycrystals
[DE91-011966] 18 p3073 N91-26983
YU, S. T.
Modern CFD applications for the design of a reacting shear layer facility
[NASA-TM-104523] 19 p3107 N91-27164
YU, SHENG-TAO
Three-dimensional calculation of supersonic reacting flows using an LU scheme 02 p0149 N91-10871
Solar rocket plume/mirror interactions
[NASA-CR-185300] 11 p1642 N91-19059
YU, SIMON S.
Relativistic kylstron simulations using RKTW2D
[DE91-001747] 05 p0652 N91-13619
YU, T.
Pseudomorphic InGaAs materials
[AD-A226895] 06 p0880 N91-14864
YU, X. H.
Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
YUAN, F. G.
Analysis of delamination in fiber composite laminates out-of-plane under bending
[NASA-CR-186023] 01 p0021 N91-10122
YUAN, FUH-GWO
Analyses of composite fuselage structure under various loading conditions 04 p0601 N91-13346
YUAN, HAOJIE
Solid-phase equilibria for metal-silicon-oxygen ternary systems 1: Mg, Ca, Sr, and Ba
[AD-A225038] 03 p0338 N91-11894
Solid-phase equilibria for Metal-Silicon-Oxygen ternary systems. Part 2: Sc, Y, and La
[AD-A232150] 15 p2398 N91-23281
YUAN, HU
Brief introduction to noncontact type large-dimension three-coordinate measurement system
[AD-A233436] 16 p2613 N91-24468
YUAN, V. W.
H(-) beam characterization using laser-induced neutralization
[DE91-013501] 20 p3352 N91-28564
Measurement of longitudinal emittance growth using a laser-induced neutralization method
[DE91-013500] 21 p3522 N91-29560
YUAN, W.
Response of simulated propellants and explosives to projectile impact
[DE91-009777] 15 p2408 N91-23333
YUCESOY, ENIS
An object-oriented analysis, design, and implementation of a network database 23 p3915 N91-31865
YUDIN, I.
Space programs in Program 2005 advocated
12 p1850 N91-20167
YUDKIN, HOWARD
The next generation 11 p1774 N91-19724
YUDONG, LI
Development of low-threshold value, high-power semiconductor laser
[AD-A237183] 21 p3523 N91-29566
YUE, ANDREW
H infinity-design and the improvement of helicopter handling qualities 02 p0182 N91-11024
YUE, C. F.
Ferroelectric fatigue in modified bulk lead zirconate titanate ceramics
[DE91-012647] 20 p3326 N91-28417
YUE, J.
Thermal stabilities of polyanilines
[AD-A233849] 18 p2960 N91-26333
YUEH, HERNG-AUNG
Remote sensing of Earth terrain
[NASA-CR-186904] 06 p0839 N91-14635
Remote sensing of earth terrain
[NASA-CR-188658] 19 p3183 N91-27604
YUEN, G. U.
Stable hydrogen and carbon isotope ratios of extractable hydrocarbons in the Murchison meteorite
11 p1821 N91-20006
YUGO, J. J.
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
YUHI, MASATOSHI
Numerical analysis of supersonic gas-particle two-phase flows around a sphere 04 p0452 N91-12521
YUKIMOTO, Y.
Vapour growth of an InP crystal (TEXUS 20)
23 p3836 N91-31394
YUKON, STANFORD P.
Analytic ray tracing using Ermakov invariants
[AD-A226219] 04 p0547 N91-13036
YULDASHEV, A. YU.
Method of obtaining phenol-furfural resins
[AD-A233746] 18 p2959 N91-26327
YULE, H. P.
Automated computer software development standards enforcement
[DE91-007328] 13 p2134 N91-21748
YUMORI, ISAO R.
System for limiting snap load intensity
[AD-D014730] 12 p1906 N91-20488
YUN, F.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
YUN, HEE MANN
Tensile behavior of tungsten/niobium composites at 1300 to 1600 K
[NASA-TM-103727] 08 p1115 N91-16128
YUN, W. B.
Coherent hard x ray focusing optics and applications
[DE91-017968] 24 p4103 N91-32928
YUNGSTER, SHAYE
Numerical simulation of shock-induced combustion for application to the ram accelerator concept
02 p0157 N91-10912
Numerical study of shock-wave/boundary layer interactions in premixed hydrogen-air hypersonic flows
[NASA-TM-103273] 06 p0825 N91-14559
Navier-Stokes simulation of the supersonic combustion flowfield in a ram accelerator
[NASA-TM-104439] 16 p2626 N91-24541
YUNGUI, GAO
Experimental study of gas kinetics of a fast-axial flow kilowatt CO2 laser
[AD-A237178] 21 p3523 N91-29565
YUNKER, WAYNE H.
Corrosion behavior of copper-base materials in a gamma-irradiated environment
[DE91-001286] 06 p0809 N91-14468
YUNUS, A.
Continuum states of the Klein-Gordon equations for vector and scalar interactions
[DE90-627178] 01 p0117 N91-10693
YUR, GUNG
Laboratory simulation of the magnetosphere, magnetotail reconnection and the study of field-aligned currents 22 p3706 N91-30626
YURCONIC, M.
Threatened Area Database System (TADS) computer program
[DE91-012491] 20 p3438 N91-29074
YUREK, AILEEN M.
Improved inline fiber optic sensor arrays
[AD-D014864] 18 p3063 N91-26924
YURI, I.
Basic study of solid oxide fuel cells
[DE90-517069] 01 p0064 N91-10386
YUROVA, K. S.
Orthostatic stability of dehydrated healthy men
19 p3210 N91-27746
YUST, C. S.
Sliding wear-testing and data analysis strategies for advanced engineering ceramics
[DE91-009524] 18 p2967 N91-26383
YUST, CHARLES S.
Tribology conferences and forums
[DE91-004781] 07 p1010 N91-15545
YUZUBARA, T.
Magneto-optical record media
[DE91-017838] 24 p4022 N91-32476
YVON, P.
Quasi-two dimensional density of states and the isotope effect in the superconducting Cu oxides
[DE91-009969] 14 p2336 N91-22918

Z

ZAAT, STEPHEN V.
The transition of ground-based space environmental effects testing to the space environment
12 p1952 N91-20738
ZABALUYEVA, YE. V.
Homogeneous distribution of volcanic flows in the Northern Hemisphere of Venus
12 p1848 N91-20159

ZABAR, ZIVAN
Novel schemes for electromagnetic launchers
[AD-A235974] 19 p3108 N91-27173
ZABARNICK, S.
Absolute concentration measurements of free radicals in flames by absorption spectroscopy
[AD-A236032] 19 p3126 N91-27268
ZABDAWI, MARWAN
Solution to quasi-axisymmetric internal compressible flows using the stream tube approach
20 p3345 N91-28526
ZABIN, SERENA M.
Signal processing in impulsive electromagnetic interference
[AD-A237612] 21 p3499 N91-29416
ZACCARDELLI, E.
Concentrator flight test experiment
[AD-A237390] 21 p3536 N91-29647
ZACCONE, M. A.
Superplastic deformation properties of Ti-6Al-4V
[DE91-000503] 05 p0676 N91-13757
ZACEK, F.
Comments on edge turbulence during lower hybrid current drive experiment on CASTOR tokamak
[IPPCZ-279] 01 p0123 N91-10726
ZACH, JOACHIM
Project and calculation of a high resolution low voltage raster electron microscope
[ETN-90-98163] 04 p0520 N91-12896
ZACHARIA, T.
Computational modeling of GTA (Gas Tungsten Arc) welding with emphasis on surface tension effects
[DE91-004771] 09 p1348 N91-17405
Weldability of iron aluminides
[DE91-013730] 20 p3318 N91-28367
Welding of ductile intermetallic alloys
[DE91-009553] 20 p3357 N91-28594
Effect of convection on weld pool development
[DE91-014213] 23 p3880 N91-31649
ZACHARIASSEN, ELI
A system analytical and experimental study of gravitropic reactions in plants
[ETN-91-98586] 09 p1370 N91-17532
ZACHARY, ANTHONY T.
An advanced, low-cost engine for high-thrust applications 16 p2570 N91-24241
ZACHOR, A. S.
Limb retrieval capability of the SPIRIT 3 radiometer
[AD-A236351] 19 p3200 N91-27689
ZACHOS, C.
Quantized planes and multiparameter deformations of Heisenberg and GL(N) algebras
[DE91-012481] 20 p3391 N91-28793
ZACHOS, C. K.
Quantum maps for deformed algebras
[DE90-010583] 09 p1390 N91-17645
ZACKS, S.
The distribution of the size and number of shadows cast on a line segment in a Poisson random field
[AD-A233697] 18 p3053 N91-26857
ZADHOUSH, ALI
The influence of defects on the mechanical properties of short fibre reinforced thermoplastics
20 p3306 N91-28300
ZAFF, BRIAN S.
An advanced knowledge and design acquisition methodology: Application for the pilot's associate
[AD-A233700] 18 p3034 N91-26748
ZAGARINO, P.
Measuring neutron fluences and gamma/x ray fluxes with CCD cameras
[DE91-014119] 20 p3349 N91-28549
Rate effects of standard and high strip current Microchannel Plate Image Intensifiers (MCPIIs)
[DE91-016196] 24 p4007 N91-32407
ZAGER, HAROLD E.
Structural integrity of wind tunnel wooden fan blades
[NASA-TM-104059] 14 p2276 N91-22589
ZAGHLOUL, AMIR I.
Electromagnetically coupled microstrip antennas having feeding patches capacitively coupled to feedlines
[PATENT-1-263-181] 23 p3853 N91-31480
ZAGIEL, ARIELLA
Metal deposition on anodically formed porous aluminum oxide films
[ITN-90-85049] 07 p0978 N91-15370
Metal deposition on anodically formed porous aluminum oxide films
[ITN-91-85094] 14 p2248 N91-22436
ZAGLAUER, HELMUT WALTER
Phenomenological aspects of scalar fields in astrophysics, cosmology and particle physics
15 p2529 N91-24014
ZAGOURAKIS, EMMANOUIL N.
Recognition of VLSI module isomorphism
[AD-A230298] 12 p1892 N91-20403
ZAGRODNIK, JEFFREY P.
Multiple cell common pressure vessel nickel hydrogen battery 24 p4038 N91-32564
ZAHAVI, J.
Laser and electrochemical studies of metallizations in electronic devices
[AD-A229747] 12 p1874 N91-20300
Laser and electrochemical studies of metallizations electronic devices
[AD-A229801] 12 p1875 N91-20307
ZAHIRNIAK, DANIEL R.
Characterization of radar signals using neural networks
[AD-A230582] 12 p1886 N91-20372
ZAHN, REINHOLD L.
Specification, procurement and testing of passivated microwave semiconductor chips for space applications
24 p4005 N91-32393
ZAHNER, GISELA
Computer aided physiological assessment of the functional state of pilots during simulated flight
08 p1194 N91-16562
ZAHOPOULOS, C.
Performance of a high T(sub c) superconducting ultra-low loss microwave stripline filter
24 p3984 N91-32255
ZAHRT, JOHN
Inverse problems SVD and pseudo SVD
[DE91-005939] 09 p1391 N91-17655
ZAIDER, M.
Radiation physics, biophysics, and radiation biology
[DE90-011544] 08 p1220 N91-16722
Radiation physics, biophysics, and radiation biology
[DE91-012883] 20 p3378 N91-28716
ZAK-ROSENTHAL, RACHEL
A one-level model for simulating surface winds over a complex terrain
[ITN-91-85095] 14 p2287 N91-22647
ZAKHAREV, B. N.
Illustrations from the collection Quantum mechanics in pictures
[DE90-631602] 03 p0425 N91-12382
ZAKHAROV, S. B.
The effect of a splitter plate on the symmetry of separated flow around a delta wing of low aspect ratio
[BR115576] 09 p1273 N91-16998
ZAKHAROV, YU. P.
Laboratory simulation of the astrophysical burst processes in non-uniform magnetised media
06 p0920 N91-15081
Laboratory and computer simulations of wave generation processes in non-stationary astrophysical phenomena
06 p0920 N91-15082
ZAKOU, A.
Two-stage ion diode experiments on induction adder
11 p1801 N91-19884
ZAKRAJSEK, J. J.
Modal analysis of multistage gear systems coupled with gearbox vibrations
[NASA-TM-103797] 15 p2439 N91-23513
Analytical and experimental study of vibrations in a gear transmission
[NASA-TM-104434] 17 p2782 N91-25395
ZAKRAJSEK, JAMES J.
Effects of gear box vibration and mass imbalance on the dynamics of multi-stage gear transmissions
[NASA-TM-103695] 13 p2095 N91-21534
Comparison of analysis and experiment for dynamics of low-contact-ratio spur gears
[NASA-TM-103232] 14 p2271 N91-22566
ZAKRAJSEK, JUNE F.
The development of a post-test diagnostic system for rocket engines
[NASA-TM-104463] 16 p2672 N91-24787
ZALA, C.
Inversion of ultrasonic traces
[DREP-89-41] 22 p3750 N91-30904
ZALLER, M.
LOX/hydrogen coaxial injector atomization test program
[NASA-CR-187037] 11 p1655 N91-19117
ZALONDEK, F. R.
Rotary absorption heat pump sensitivity analysis
[DE90-010006] 08 p1137 N91-16256
ZALUZEC, NESTER J.
Evolutionary developments in x ray and electron energy loss microanalysis instrumentation for the analytical electron microscope
[DE90-017799] 03 p0369 N91-12065
ZALZALA, ALI M. S.
Ultrasonic location measurement for fast robot control: A transputer-based environment
[RR-380] 07 p1011 N91-15550
ZAMAN, K. B. M. Q.
Effect of acoustic excitation on stalled flows over an airfoil
[NASA-TM-103183] 03 p0301 N91-11675
A steadying effect of acoustic excitation on transitory stall
[NASA-TM-103689] 05 p0616 N91-13420
Experimental study of boundary layer transition on a heated flat plate
[NASA-TM-103779] 13 p2011 N91-21061
Effect of tabs on the evolution of an axisymmetric jet
[NASA-TM-104472] 19 p3106 N91-27159
ZAMANI, N.
Test chips and ASIC qualification
24 p3995 N91-32327
ZAMBRA, A.
A solid state mass memory for space applications: Technological and system aspects
24 p3995 N91-32329
ZAMBRANA, HORACIO
Using a graphical programming language to write CAMAC/GPIB instrument drivers
[NASA-TM-103849] 17 p2832 N91-25647
ZAMLUTTI, C. J.
Fundamentals of numerical analysis for digital computers, volume 2
[INPE-5088-MD/043-VOL-2] 03 p0399 N91-12219
Numerical analysis methods. Volume 3: Autocorrection methods
[INPE-5196-MD/45] 13 p2144 N91-21807
ZAN, S. J.
The effect of wing planform on low speed buffet
06 p0782 N91-14336
ZAND, MOOSA
Thermal and non-Newtonian effects in elastohydrodynamic lubrication of rolling-sliding contacts
20 p3356 N91-28590
ZANDBERGEN, B. T. C.
Solid fuel combustion chamber
[LR-648] 11 p1673 N91-19222
ZANDBERGEN, P. J.
Multigrid and Runge-Kutta time stepping with frozen dissipation applied to the total variation diminishing Roe-Sweby scheme
[MEMO-936] 22 p3746 N91-30879
Acceleration techniques for a spectral multi-grid method
[MEMO-914] 23 p3869 N91-31580
Multigrid and Runge-Kutta time stepping applied to the uniformly non-oscillatory scheme for conservation laws
[MEMO-911] 23 p3921 N91-31906
ZANDBERGEN, REINIER CORNELIS ADRIANUS
Satellite altimeter data processing: From theory to practice
[ISBN-90-6275-653-0] 14 p2234 N91-22360
ZANELLO, L.
Performances of an emulator farm for the data processing of high energy physics experiments
[ETN-91-98880] 12 p1979 N91-20889
ZANG, T. A.
Direct simulation of compressible turbulence
02 p0144 N91-10847
Toward the large-eddy simulation of compressible turbulent flows
[NASA-CR-187460] 05 p0657 N91-13650
Numerical simulation of solar coronal magnetic fields
[NASA-TM-103402] 07 p1086 N91-15971
Filtering analysis of a direct numerical simulation of the turbulent Rayleigh-Benard problem
[NASA-CR-187488] 11 p1701 N91-19366
Direct and large-eddy simulations of three-dimensional compressible Navier-Stokes turbulence
[AD-A233717] 18 p2983 N91-26470
ZANG, THOMAS A.
Large-eddy simulation of transitional channel flow
[NASA-CR-187465] 05 p0615 N91-13410
High-order ENO schemes applied to two- and three-dimensional compressible flow
[NASA-CR-187562] 16 p2549 N91-24126
ZANG, WENLONG
Late Proterozoic and early Palaeozoic palaeontology and biostratigraphy of the Amadeus Basin
19 p3193 N91-27655
ZANGER, ISRAEL
Human body protection in a dynamic environment. Cushioning mechanics
[ITN-91-85149] 20 p3381 N91-28733
ZANGRANDO, F.
Conceptual design of an Open-Cycle Ocean Thermal Energy Conversion Net Power-Producing Experiment (OC-OTEC NPPE)
[DE90-000304] 02 p0229 N91-11282
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501

ZANGRILLI, N. L.
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, March 1990
[IFSI-90-15] 01 p0141 N91-10833
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, April 1990
[IFSI-90-18] 01 p0141 N91-10834
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, January 1990
[IFSI-90-5] 02 p0295 N91-11653
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, February 1990
[IFSI-90-6] 02 p0295 N91-11654
The Rome neutron monitor data for four ground-level enhancements observed by the world-wide station network in 1990
[NOTA-INTERNA-967] 11 p1823 N91-20019
ZANIEWSKI, JOHN P.
Unified methodology for airport pavement analysis and design. Volume 1: State of the art
[DOT/FAA/RD-91/15-VOL-1] 17 p2737 N91-25154
ZANIS, CHARLES
Inelastic deformation of plate panels
[AD-A236662] 22 p3691 N91-30550
ZANLEY, NANCY L.
NSI operations center 18 p3081 N91-27038
ZANNETTI, LUCA
Inverse methods for 3D internal flows
10 p1459 N91-18043
ZANONATO, P. L.
An elevated temperature titration calorimeter
[DE91-015765] 21 p3520 N91-29548
ZANTEMA, H.
Longest segment problems
[RUU-CS-90-28] 23 p3920 N91-31896
ZANTER, JOSEPH
Rapid solidification processing of Al3Ti and Al3Ti plus copper
[AD-A236600] 20 p3314 N91-28343
ZANUTTA, ROBERTO ERNESTO
Experiments in adaptive control of cooperating manipulators 21 p3527 N91-29594
ZAPALAC, G. H.
Strain enhanced electron spin polarization observed in photoemision from InGaAs
[DE91-012319] 20 p3425 N91-28996
ZAPATA, L. E.
Toward high brightness, multi-kilowatt solid state lasers
[DE91-008990] 13 p2090 N91-21504
ZAPATA, R.
Morphological and functional adaptation of personal equipment designed for female personnel
02 p0247 N91-11374
ZAPLATYNSKY, I.
Method of preparing a thermal barrier coating
[NASA-CASE-LEW-14999-2] 18 p2966 N91-26376
ZAPLATYNSKY, ISIDOR
Plasma gun with coaxial powder feed and adjustable cathode
[NASA-CASE-LEW-14901-1] 17 p2870 N91-25875
ZAPOTOCNY, TOM HARMON
The balance of dynamic vorticity for the Presidents' Day storm 09 p1362 N91-17486
ZAPOTOSKY, JOUN E.
ELF communications system, ecological monitoring program: Summary of 1989 progress
[AD-A231497] 13 p2073 N91-21419
ZAPP, F.
MARS: A generic mission planning tool
14 p2215 N91-22238
ZAPP, JOHN
Examples of finite element mesh generation using SDRC IDEAS
[NASA-CR-186962] 05 p0699 N91-13893
A finite element conjugate gradient FFT method for scattering 06 p0811 N91-14476
ZARCHAN, PAUL
Micro based technology: A new tool for missile guidance system design and visualization
05 p0620 N91-13440
Guidance methods for tactical and strategic missiles
05 p0620 N91-13442
The microcomputer as a tool for guidance and control visualization 07 p1043 N91-15724
ZARE, RICHARD N.
Surface-catalyzed chemiluminescence
[AD-A230176] 12 p1866 N91-20249
ZARETSKY, ERWIN V.
Quantifying oil filtration effects on bearing life
[NASA-TM-104350] 15 p2439 N91-23512
Incorporating finite element analysis into component life and reliability
[NASA-TM-104400] 15 p2446 N91-23550
Comparison of Weibull strength parameters from flexure and spin tests of brittle materials
[NASA-TM-104414] 16 p2636 N91-24593
ZARITSKAYA, V. V.
Relationship between vertical optokinetic nystagmus and susceptibility to motion sickness
10 p1561 N91-18587
ZARITSKY, DENNIS
A study of HII regions in spiral galaxies using multiobject spectroscopy 05 p0746 N91-14159
ZARLINGO, FREDERICK C.
Overview of propulsion concepts for tactical missiles
06 p0775 N91-14296
ZARNECKI, J. C.
IUE observations of comet Okazaki-Levy-Rudenko (1989r) 09 p1432 N91-17889
ZARNSTORFF, M. C.
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946
ZAROMB, S.
High-throughput liquid-absorption air and aerosol sampler
[DE91-013762] 20 p3370 N91-28670
ZAROSLOV, D. YU.
Characteristics of excimer laser with narrow emission line 11 p1787 N91-19807
ZARRELLA, PAUL F.
CASE tool integration and standardization
[AD-A235640] 19 p3219 N91-27793
ZASADZINSKI, J. F.
Tunneling spectroscopy measurements on low-leakage junctions of Nd(1.85)Ce(0.15)CuO(4-y) and Ba(1-x)K(x)BiO3
[DE91-006585] 09 p1418 N91-17806
ZASADZINSKI, R.
Inner-shell ionization of lithium-like chromium ions
[DE91-001749] 05 p0713 N91-13981
ZASLAVSKIY, G. M.
The chaotic dynamics of comets and the problems of the Oort cloud 14 p2347 N91-22979
ZASOV, ANATOLI V.
The H I content of non-isolated galaxies
08 p1250 N91-16883
ZAUGG, THOMAS J.
A linear accelerator in the space: The beam experiment aboard rocket
[DE91-002347] 05 p0715 N91-13988
ZAUN, J.
Ariane capsule: Phase B1 study on structure subsystem 03 p0327 N91-11821
ZAVADA, J. M.
Workshop on MQW Mixing and Its Application to Optoelectronic Devices
[AD-A229205] 09 p1330 N91-17304
ZAWISLAK, STEPHEN P.
Angular weaving for turbine engine composite components
[AD-A236288] 19 p3106 N91-27161
ZAWODZINSKI, T. A.
Recent achievements in polymer electrolyte fuel cell (PEFC) research at Los Alamos National Laboratory
[DE91-013683] 20 p3369 N91-28661
Modeling water content effects in polymer electrolyte fuel cells
[DE91-016027] 24 p4040 N91-32573
ZAWODZINSKI, T. A., JR.
Water transport properties of fuel cell ionomers
[DE91-016015] 23 p3811 N91-31259
ZAYED, HUSNI
PFERD Mission: Pluto flyby exploration/research design 08 p1101 N91-16046
ZAYTSEVA, L. B.
Blood serum protein composition and nitrogen metabolism metabolism in individuals exposed to lengthy hypokinesia 19 p3208 N91-27731
ZAZWORSKY, R. M.
RV strings of maximum curvature
[DE91-016708] 24 p3966 N91-32157
System requirements for low-Earth-orbit launch using laser propulsion
[DE91-017455] 24 p4024 N91-32490
ZDUNEK, ADAM
Stability analysis of a fuselage side
[FFA-TN-1990-32] 13 p2102 N91-21568
Application of the p-version FE method to geometrically non-linear problems in three dimensions
[FFA-TN-1990-33] 13 p2102 N91-21569
Determination of the deviatoric material response functions for prestrained rubbers
[FFA-TN-1990-29] 15 p2406 N91-23321
Theory and computations of the steady state harmonic response of viscoelastic rubber parts
[FFA-TN-1988-34] 22 p3695 N91-30571
ZEBKER, HOWARD A.
Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU]
06 p0840 N91-14642
ZEDALIS, M. S.
Effect of thermal exposure, forming, and welding on high-temperature, dispersion-strengthened aluminum alloy: Al-8Fe-1V-2Si
[NASA-CR-187575] 24 p3974 N91-32200
ZEDGINIDZE, M. Z.
Excitation of Langmuir wave by transversal nonlinear wave in the electron-positron inhomogeneous plasma in the presence of positron beam
06 p0919 N91-15076
ZEE, RALPH H.
A study of fracture mechanisms in ATD roller bearing
[NASA-CR-184200] 24 p4026 N91-32497
ZEEVI, YEHOSHUA Y.
Efficient image generation using localized frequency components matched to human vision
[AD-A224903] 03 p0394 N91-12192
ZEGELING, ANDRE
Quadratic systems equivalent to class 3 sub A not equal to 0
[REPT-90-38] 02 p0261 N91-11455
ZEGELING, P. A.
An evaluation on the gradient-weighted moving-finite element method in one space dimension
[CWI-NM-R9006] 03 p0411 N91-12295
ZEGELING, PAUL A.
A note on the grid movement induced by MFE
[CWI-NM-R9019] 17 p2846 N91-25729
ZEH, C. M.
Evaluating the performance of ceramic candle filters in a hot particulate-laden stream
[DE90-000483] 22 p3652 N91-30326
ZEHNER, D. M.
Electron emission during multicharged ion-surface interactions
[DE91-000615] 04 p0581 N91-13240
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307
ZEIDLER, JAMES R.
Ohmic contacts to semiconducting diamond
[AD-A234130] 18 p3068 N91-26950
ZEIGLER, B.
Modeling, simulation, and control of an extraterrestrial oxygen production plant 16 p2597 N91-24389
ZEIGLER, J.
Studies of cold protection diodes
[DE91-008203] 11 p1797 N91-19863
ZEIJLMANSVANEMMICHOVEN, P. A.
Electron emission during multicharged ion-surface interactions
[DE91-000615] 04 p0581 N91-13240
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
ZEIK, K. L.
Microstructural evolution in rapidly solidified Cu-Nb powders
[AD-A225860] 04 p0588 N91-13282
Microstructural investigations of rapidly solidified Cu-Nb alloy powders produced by inert gas atomization
[AD-A235428] 19 p3133 N91-27312
ZEINELDINE, OSMAN
Measuring the effects of heterogeneity on distributed systems 17 p2886 N91-25953
A distributed scheduling algorithm for heterogeneous real-time systems 17 p2886 N91-25954
ZEINER, P.
Small Engine Component Technology (SECT)
[NASA-CR-175078] 16 p2561 N91-24205
ZEISSE, CARL R.
Ohmic contacts to semiconducting diamond
[AD-A234130] 18 p3068 N91-26950
ZEITZ, FREDERICK H., III
An alternative algorithm for discrete-time filtering
[AD-A238443] 21 p3566 N91-29827
ZELENYI, L. M.
Specific tasks of multiple scale plasma measurements in Regatta-Cluster system 01 p0069 N91-10419
Bursts of energetic protons in the Earth's magnetotail
06 p0917 N91-15058

ZELESNIK, GREGORY
Rationale for SQL Ada module description language SAMeDL
[AD-A235780] 19 p3222 N91-27810
The SQL Ada module description language SAMeDL
[AD-A235781] 19 p3222 N91-27811
ZELINSKII, A.
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
ZELL, M.
Bubble formation, 2 (TEXUS 10)
23 p3829 N91-31356
Bubble formation, 2. Microgravity measurements of the boiling heat transfer from flat heating surfaces (TEXUS 11)
23 p3829 N91-31357
Inst. A fuer Thermodynamik. 23 p3829 N91-31358
ZELLER, CHRISTOPH
Examination of a three dimensional asymmetrical flow field using the interference method
[ETN-90-97859] 02 p0209 N91-11168
ZELLER, KARL FREDERICK
Eddy diffusivities for sensible heat, ozone, and momentum from eddy correlation and gradient measurements 09 p1359 N91-17467
ZELTER, GABRIELA R.
Destructive physical analysis results of Ni/H2 cells cycled in LEO regime
[NASA-TM-104382] 15 p2391 N91-23233
ZELTNER, W. A.
Ordered ceramic membranes
[DE91-012248] 20 p3323 N91-28398
ZELTSER, REFAEL
A 3-D definition of a pipe wall location using image processing techniques
[ITN-90-85059] 07 p1000 N91-15493
ZEMAN, PATRICK L.
Verification of the proteus two-dimensional Navier-Stokes code for flat plate and pipe flows
[NASA-TM-105160] 22 p3675 N91-30462
ZEMANOVIC, MARGUERITE E.
An exploration of the North Atlantic current and its recirculation in the Newfoundland Basin using SOFAR floats
[AD-A226475] 04 p0550 N91-13050
ZENIOS, STAVROS
On the massively parallel solution of the assignment problem
[AD-A230847] 13 p2139 N91-21775
ZENT, A. P.
Getting water from the water of hydration on Mars
17 p2911 N91-26072
Distillation of H2O from hard-frozen Martian permafrost 17 p2914 N91-26086
ZENTENO, G.
Space physics research in Mexico
07 p0948 N91-15205
ZEPF, STEPHEN E.
Blue ellipticals in compact groups
08 p1248 N91-16873
ZERITIS, D.
The transverse stress effect on the critical current of jelly-roll multifilamentary Nb3Al wires
[DE90-513710] 02 p0281 N91-11581
ZES, DEAN
Spillover, nonlinearity, and flexible structures
14 p2225 N91-22308
ZETTLER, G.
Tube erosion for 20 mm caliber at pressure up to 5000 bar: Analysis of the materials and their wear
[ISL-R-104/89] 04 p0506 N91-12807
ZEYBEK, M.
Long waves in parallel flow in Hele-Shaw cells
[DE91-002232] 16 p2625 N91-24538
ZEYFANG, EBERHARD
Laser technology for space tasks
[DLR-MITT-90-10] 03 p0371 N91-12080
ZEYRINGER, THOMAS
Making telescience possible: An analysis of the use of standard techniques to reduce user efforts
14 p2224 N91-22301
ZGANJAR, E. F.
The structure of nuclei far from beta stability
[DE91-008140] 11 p1795 N91-19846
Electric monopole transitions and shape coexistence in nuclei
[DE91-008141] 11 p1795 N91-19847
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones
[DE91-008144] 12 p1975 N91-20867
ZGELA, M.
Wind tunnel investigation and flight tests of tail buffet on the CF-18 aircraft 06 p0780 N91-14325
ZGHICHE, A.
Recent developments in laser-driven polarized sources
[DE91-006600] 10 p1529 N91-18419
ZHAI, MING
Array-typed, sealed-off mini tea CO2 laser
[AD-A234804] 18 p2990 N91-26511
ZHANG, C.
Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299
ZHANG, C. Z.
Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803
Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804
Atmosphere control during preparation of YBa2 Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805
ZHANG, CHI-DONG
Equatorially trapped waves in varying basic states: Structures and lateral forcing processes
09 p1363 N91-17493
ZHANG, DAO-HUA
Amorphous hydrogenated silicon doping modulated multilayers and compensated films
09 p1409 N91-17755
ZHANG, DE-HAI
Spin 4 and 7/2 extended conformal algebra
[DE91-617609] 20 p3393 N91-28803
ZHANG, E.
Optical methods of measuring the roughness of the surfaces of high precision steel balls
[AD-A234796] 18 p3064 N91-26928
ZHANG, F.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
ZHANG, H. S.
A review of near-wall Reynolds-stress
[NASA-CR-4369] 14 p2187 N91-22080
ZHANG, HONG LIN
A rapid relativistic distorted wave approach for calculating cross sections for ionization of highly charged ions
[DE91-002667] 05 p0720 N91-14020
ZHANG, J.
Investigation of plessite in iron meterorites and laboratory Fe-Ni(P) alloys
[DE91-010858] 18 p3084 N91-27053
ZHANG, J.-Y.
Empirical proton-neutron interaction energies and nuclear structure
[DE90-017632] 02 p0268 N91-11500
ZHANG, JIAN GUO
A comparative study of ductile fracture in the 2.25 percent Cr-1 percent Mo and 9 percent Cr-1 percent Mo alloy steels 05 p0675 N91-13753
ZHANG, JIANHONG
Structural optimization with pseudo-load approach exploiting design length scales
21 p3531 N91-29616
ZHANG, JOHN G.
Chemical spray pyrolysis of Tl-Ba-Ca-Cu-O high-T(sub c) superconductors for high-field bitter magnets
13 p2039 N91-21212
ZHANG, LICHEN
Using acoustic emission technique to monitor fractures on the analogous pressure pipes
[DE90-638372] 03 p0374 N91-12096
ZHANG, MEI-JIE
On the analysis of grouped survival data using cumulative occurrence/exposure rates
[AD-A238219] 21 p3568 N91-29838
ZHANG, RONGGANG
Stability of thermoelastic contact
22 p3692 N91-30556
ZHANG, S. Y.
Thyristor converter simulation and analysis
[DE91-013802] 20 p3339 N91-28494
ZHANG, SHAO QIN
An energy-based fracture criterion for fiber composites
17 p2790 N91-25435
ZHANG, SHUANG NAN
Instrumentation and data analysis for hard x ray astronomy 15 p2528 N91-24010
ZHANG, SHUQING
Investigation on the projection by a Z-pinch discharge
[DE90-637548] 02 p0275 N91-11544
ZHANG, T. J.
Electron microscopy study of MOCVD-grown TiO2 thin films and TiO2/Al2O3 interfaces
[DE91-006544] 09 p1416 N91-17797
HREM study of heteroepitaxial interfaces in the TiO2/Al2O3 system
[DE91-012473] 18 p3074 N91-26986
ZHANG, X. G.
The electronic structure of grain boundaries in Nb
[DE91-008572] 12 p1992 N91-20965
ZHANG, X.-G.
Real-space multiple scattering theory calculations of LEED (Low-Energy Electron Diffraction) intensities for stepped surfaces
[DE91-000810] 05 p0713 N91-13978
A new approach for the determination of electronic structure
[DE90-010479] 08 p1219 N91-16713
ZHANG, XIANG
Synthesis and characterization of reduced tungsten sulfide cluster complexes
[DE91-014916] 21 p3476 N91-29282
ZHANG, XIAOPING
Laser applications in machining slab materials
[AD-A233823] 18 p2988 N91-26497
ZHANG, XUIFANG
Cocrystallization in blends of poly(butylene terephthalate) and poly(ester-ether) segmented block copolymers
[DE91-012224] 20 p3329 N91-28438
ZHANG, Y.
Periodic solutions of neutral differential equations
[RR-390] 08 p1210 N91-16658
Computerized inspection of real surfaces and minimization of their deviations
[NASA-TM-103798] 19 p3176 N91-27558
Local synthesis and tooth contact analysis of face-milled spiral bevel gears
[NASA-TM-105182] 21 p3528 N91-29600
ZHANG, Y. S.
On the feasibility of microwave produced Bragg reflector: Examined by the chamber experiment
10 p1550 N91-18528
Experiment and theoretical study of the propagation of high power microwave pulse in air breakdown environment
[NASA-CR-188068] 12 p1884 N91-20360
ZHANG, Y. Z.
Impurity and neutral effects on the dissipative drift wave in tokamak edge plasmas
[DE91-015907] 21 p3589 N91-29965
ZHANG, YEHONG
Redundancy control of a robot manipulator using a systolic array processor 01 p0048 N91-10287
ZHANG, YI
Local synthesis and tooth contact analysis of face-milled spiral bevel gears
[NASA-CR-4342] 11 p1714 N91-19439
Determination of real machine-tool settings and minimization of real surface deviation by computerized inspection
[NASA-CR-4383] 19 p3173 N91-27546
ZHANG, YIKANG
An indirect boundary element method for isotropic and orthotropic plates 09 p1352 N91-17426
ZHANG, YUANCHONG
The time-domain earth tides 23 p3893 N91-31726
ZHANG, Z. X.
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
ZHANG, ZIANG
Light particle emissions in heavy ion reactions
[DE91-010746] 15 p2504 N91-23871
ZHAO, J.
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
ZHAO, JIANHUA
High efficiency silicon concentrator solar cells
08 p1170 N91-16441
ZHAO, JINGXIA
Nonlinear symmetric instability and oscillations in the tropical atmosphere 13 p2121 N91-21674
ZHAO, KEVIN KUANG
Nonlinear transient finite element solutions of viscoelastic-viscoplastic problems
03 p0378 N91-12113
ZHAO, X. L.
T-joints in rectangular hollow sections subject to combined bending and concentrated force
[PB91-137463] 17 p2787 N91-25420
ZHAO, Y.
Production of oxygen from lunar ilmenite
16 p2593 N91-24367
Production of oxygen from lunar ilmenite
17 p2748 N91-25206
Production of oxygen from lunar ilmenite
17 p2752 N91-25229

Reaction engineering for materials processing in space: Reduction of ilmenite by hydrogen and carbon monoxide
17 p2903 N91-26035
Study of the low-lying electronic states of Si2 and Si2(-) using negative ion photodetachment techniques
[AD-A234336] 18 p2946 N91-26256

ZHAO, Y. G.
Li-SF6 combustion in stored chemical energy propulsion systems
[AD-A224846] 03 p0337 N91-11888

ZHARKOV, A. V.
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment
18 p2932 N91-26175

ZHARKOV, VLADIMIR N.
The thermal conditions of Venus
14 p2346 N91-22973

ZHAVORONKOV, N. I.
Passive mode locking in optically pumped Al2O3:Ti(3+) laser
11 p1787 N91-19803

ZHDANOV, V. L.
The effect of jet bleed on base pressure distribution, shedding frequency, and mean velocity profiles in the wake behind a two-dimensional blunt model
[MPIS-12/1990] 23 p3782 N91-31085

ZHELEZNYAKOV, V. V.
Radiation-driven diskons as a new astrophysical object
06 p0923 N91-15105

ZHENG, B.
Holographic optical head
[AD-A229192] 09 p1340 N91-17358

ZHENG, HAO
Data assimilation and wind-stress error correction in a forced tropical ocean model
13 p2123 N91-21687

ZHENG, JINGWEN
A numerical study of floating zone crystal growth under microgravity
17 p2764 N91-25301

ZHENG, K.
Strained quantum well leaky-mode diode laser arrays
[DE91-009982] 15 p2433 N91-23477

ZHENG, Q.
Molecular engineering of liquid crystal polymers by living polymerization. Part 13: Synthesis and living cationic polymerization of 4-((S(-)-2-methyl-1-butyl)oxycarbonyl) 4'-(omega-oxyalkyl-1-vinyl ether)biphenyl with undecanyl and hexyl alkyl groups
[AD-A235791] 19 p3252 N91-27989

ZHENG, WEI
Interacting nuclei in distant galaxies
08 p1252 N91-16894
Optical and UV emission line profile in 3C390.3
09 p1446 N91-17973

ZHENG, Y.
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Defects, oxygen ordering and properties of La-Cu-O and Ba-Bi-O superconductors
[DE91-008811] 12 p1992 N91-20967

ZHENG, YUAN F.
Automated handling and assembling of non-rigid objects
[AD-A224585] 03 p0373 N91-12091
Automated handling and assembling of non-rigid objects
[AD-A231246] 15 p2435 N91-23489

ZHENG, ZHONQUAN
Second coefficient of viscosity in air
[NASA-CR-187783] 07 p0977 N91-15364

ZHERNAKOV, A. F.
Relationship between orthostatic stability and post-space flight vestibular function in man
10 p1561 N91-18586

ZHERNAVKOV, O. V.
Possibility of using evoked brain potentials to diagnose flight crew fatigue
10 p1560 N91-18576

ZHIDKOV, E. P.
Asymptotic estimates of approximation errors by the Galerkin method for one class of quasipotential equations
[DE90-631600] 02 p0263 N91-11471
Modelling of multidimensional quantum systems by the numerical functional integration
[DE91-007051] 10 p1589 N91-18763

ZHIJIAN, LI
CMOS fuzzy logic circuits in current-mode toward large scale integration
17 p2842 N91-25706

ZHILIBA, A. I.
Quantum fluctuations in laser with intracavity frequency doubling
11 p1787 N91-19805

ZHONG, F. H.
On the propagation of plane waves above an impedance surface
08 p1214 N91-16684

ZHONG, FANG
Rotating Rayleigh-Benard convection: The Kueppers-Lortz transition
[DE91-004835] 08 p1142 N91-16288

ZHONG, S.
A three-dimensional numerical simulations of mesoscale flow over KSC/CC area of Florida
[DE91-017445] 24 p4071 N91-32743

ZHONG, WEI
Development of a micromechanic theory of constitutive relations of polycrystalline solids
[AD-A232697] 15 p2448 N91-23559

ZHONG, Z.
Thermal stabilities of polyanilines
[AD-A233849] 18 p2960 N91-26333

ZHOU, B.
Scattering of photons from atomic electrons
[DE91-006268] 10 p1592 N91-18778
Effect of boron addition on recrystallization and grain growth in Ni3Al polycrystals
[DE91-011966] 18 p3073 N91-26983

ZHOU, J.
Stabilization and control problems in structural dynamics
[AD-A235189] 18 p3000 N91-26567

ZHOU, JIANHUA
Visualization of surfaces in four-dimensional space
[AD-A227858] 08 p1201 N91-16605

ZHOU, JUN
A lidar equipped with photon counter for measuring stratospheric aerosols
24 p4034 N91-32540

ZHOU, LU-WEI
Electrical resistivity, magnetic susceptibility, and thermoelectric power of PtGa2
[AD-A225035] 03 p0359 N91-12009

ZHOU, STEPHEN Q.
Mechanism of anionic ring-opening polymerization of silacyclopent 3-enes
[AD-A237538] 21 p3488 N91-29353

ZHOU, T. Q.
EBIC (Electron Beam Induced Current) contrast of clean, decorated and deuterium passivated Si(Ge) epitaxial misfit dislocations
[DE91-006967] 13 p2160 N91-21912

ZHOU, WEIYU
Use of system identification techniques for improving airframe finite element models using test data
[NASA-CR-188041] 11 p1777 N91-19750

ZHOU, WEIZHEN
New image-tracking algorithm for fuzzy-relaxation matching of point patterns
[AD-A233506] 16 p2670 N91-24779

ZHOU, XIANLIANG
The solubility and dissociation kinetics of hydroxymethyl hydroperoxide in aqueous solution
[DE91-013336] 20 p3309 N91-28318

ZHOU, XIAO-LIN
Inverse problem in neutron reflection
[DE91-014457] 21 p3593 N91-29984

ZHOU, YU
Mean field analysis of the CuO2 lattice: Comparison to Monte Carlo simulations
[DE91-015570] 23 p3931 N91-31968

ZHOU, ZHEN-LEI
Analysis and design of a six-degree-of-freedom Stewart platform-based robotic wrist
[NASA-CR-187660] 09 p1298 N91-17123
Development of advanced control schemes for telerobot manipulators
[NASA-CR-184930] 09 p1347 N91-17402

ZHOU, ZIYE
Test and application of gravitational theories in astronomical systems
04 p0609 N91-13386

ZHU, B.
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569

ZHU, C. Y.
Dependence of the log K values for the interaction of chiral dimethylpyridino-18-crown-6 with alpha-(1-naphthylethyl) ammonium perchlorate on several solvent parameters
[AD-A236088] 19 p3126 N91-27270

ZHU, CHANGYI
An experimental and numerical study of the effect of microstructure on wave propagation phenomena in granular media
17 p2765 N91-25307

ZHU, GENXING
Modification of the 'TEACH' computer code for use in a study of swirling turbulent flows
[DE91-010492] 21 p3511 N91-29496

ZHU, HAN
Effect of interfacial zone on mechanical behavior and failure of fiber-reinforced composites
09 p1303 N91-17153

ZHU, HONG
Processable polymers and copolymers of 3-alkylthiophenes and their blends
[AD-A234596] 18 p2962 N91-26351

ZHU, JIANZHONG
New development of laser-based techniques in applications of thin-layer chromatography, microprobe elemental analysis, and gas phase pyrolysis
[DE90-011740] 08 p1152 N91-16347

ZHU, LIE
A study of the magnetosphere-ionosphere coupling processes
24 p4044 N91-32595

ZHU, MEI
General three-dimensional disturbances to inviscid Couette flow
[DE91-009593] 13 p2082 N91-21474

ZHU, MEIJUAN
WPG-30 model microprocessor controlled rotating beryllium mirror scanning camera and its applications
[AD-A234802] 18 p2987 N91-26493

ZHU, Q. M.
Rational model identification using an extended least squares algorithm
[RR-388] 11 p1778 N91-19753
Recursive parameter estimations for nonlinear rational models
[RR-420] 22 p3747 N91-30885

ZHU, QINGLIN
Prime Minister Li Peng talks with representatives to a discussion meeting on satellite applications and applied satellite technology about the development of our country's activities in space
[AD-A234801] 18 p2933 N91-26181

ZHU, R.
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011

ZHU, X. F.
Optical and electro-optical properties of a photocross-linkable polymer
[AD-A235903] 19 p3140 N91-27350
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A235962] 19 p3140 N91-27352

ZHU, X.-M.
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811

ZHU, XIAOLI
Numerical simulation of equatorial easterly waves forced by cumulus convection
17 p2814 N91-25552

ZHU, ZIQIANG
Calculation of three-dimensional viscous/inviscid interaction in subsonic flow
[REPT-B-25] 01 p0005 N91-10024

ZHU, ZIQUIANG
Three-dimensional viscous/inviscid coupling in subsonic flow
[REPT-B-24] 01 p0005 N91-10023

ZHUANG, MEI
An investigation of the inviscid spatial instability of compressible mixing layers
09 p1335 N91-17334

ZHUANG, WANG PEI
The truth-valued flow inference network
17 p2843 N91-25708

ZHUANG, XIN
Determining crop residue type and class using satellite acquired data
[NASA-CR-188961] 10 p1538 N91-18466

ZHUK, V. I.
Oscillations of a small-mass satellite probe caused by aerodynamic and gravitational forces
18 p2930 N91-26165

ZHUKOVSKY, A.
MIT ASTROMAG 1.7 meter disk magnet design report
[NASA-CR-187931] 14 p2322 N91-22824

ZHVANIA, B. P.
Experiments with collision of vortices in rotating and still free-surface shallow water
06 p0920 N91-15080

ZIADA, H. H.
A comparison between classical and substructuring finite-element stress analysis of a complex vacuum vessel shell
[DE91-010035] 15 p2444 N91-23540
Buckling analysis of a complex vacuum vessel using the finite-element method
[DE91-010032] 15 p2446 N91-23546

ZICARI, ROBERTO
Sets and constraints in an object-oriented data model
[REPT-91-11] 22 p3731 N91-30775
The design of an Integrity Consistency Checker (ICC) for an object oriented database system
[REPT-91-021] 23 p3936 N91-31994

ZIEBELIN, DANIELLE
Reasoning about constraints: Scheduling application
[ETN-91-99488] 22 p3764 N91-30985

ZIEGAHN, K.-F.
Environmental test tailoring 07 p0950 N91-15219
ZIEGLER, D. P.
Current distribution modeling for novel alumina electrolysis
[DE91-010060] 18 p2956 N91-26315
ZIEGLER, G.
Composite materials, 1 (TEXUS 1)
23 p3839 N91-31408
Composite materials, 2 (TEXUS 2)
23 p3839 N91-31409
Composite materials, 1 (TEXUS 1)
23 p3843 N91-31430
Composite materials, 2 (TEXUS 2)
23 p3843 N91-31431
ZIEGLER, K.
Development of a digital data acquisition and evaluation system for dynamic testing 07 p0959 N91-15280
ZIEGLER, R. E.
Composite heat damage. Part 1: Mechanical testing of IM6/3501-6 laminates. Part 2: Nondestructive evaluation studies of IM6/3501-6 laminates
[DE90-016207] 01 p0021 N91-10125
ZIEGLER, W.
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
ZIELINSKI, ALEXANDER E.
Plasma analysis of a small-bore, arc-armature railgun
[AD-A230289] 12 p1851 N91-20175
Temperature measurements of ET plasmas using atomic emission spectroscopy
[AD-A232498] 15 p2513 N91-23930
ZIELINSKI, J. J.
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
ZIEMANN, V.
Simulation of a storage ring free electron laser with a mapping algorithm for distribution functions
[DE91-012387] 20 p3350 N91-28552
ZIEMANN, VOLKER
The interaction of free electron lasers and storage rings, analyzed with a mapping algorithm for distributed functions
[DELTA-IR-90-03] 10 p1530 N91-18424
ZIEMER, SARAH
Intrepid: A mission to Pluto 08 p1101 N91-16047
ZIEMIANSKI, JOSEPH A.
NASA aeropropulsion research in support of propulsion systems of the 21st century
[NASA-TM-104403] 15 p2364 N91-23083
ZIEMKE, JERALD R.
Atmospheric oscillations on time scales of 1-2 months
17 p2811 N91-25536
ZIEMKE, ROBERT A.
High resolution, high frame rate video technology development plan and the near-term system conceptual design 06 p0829 N91-14580
ZIERKE, WILLIAM C.
Unsteady force calculations in turbomachinery
[AD-A237937] 21 p3514 N91-29515
ZIESE, J. M.
Operationally Efficient Propulsion System Study (OEPPS) 20 p3292 N91-28198
ZIFRONY, DORON
Pdeb (parallel debugger): A debugger for a shared memory parallel computer
[ITN-91-85088] 12 p1962 N91-20797
ZIGEL, M.
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal
11 p1790 N91-19819
ZIGLER, A.
Elimination of laser prepulse by relativistic guiding in a plasma
[AD-A229859] 12 p1903 N91-20466
ZIJDEMANS, J.
Solar array qualification through qualified analysis
16 p2646 N91-24651
ZIJM, W. H. M.
Analysis of the asymmetric shortest queue problem. Part 1: Theoretical analysis
[MEMO-COSOR-90-01-PT-1] 07 p1057 N91-15810
Analysis of the asymmetric shortest queue problem. Part 2: Numerical analysis
[MEMO-COSOR-90-03-PT-2] 07 p1058 N91-15811
Analysis of the symmetric shortest queue problem
[MEMO-COSOR-90-19] 07 p1058 N91-15813
Analysis of the asymmetric shortest queue problem with threshold jockeying
[MEMO-COSOR-90-20] 07 p1058 N91-15814
ZIJP, JOHANNES PETRUS
Heat transport during gas tungsten arc welding
[ETN-91-98919] 11 p1717 N91-19455
ZIK, JOHN J.
Impact of inertia, friction, and backlash upon force control in telemanipulation 12 p1935 N91-20648
ZILBERMAN, M.
IAI hypersonic wind tunnel
[IAITIC-87-1006] 15 p2384 N91-23194
ZILKA, ANTHONY
Touchstone project DELTA numeric node: Milestone event Q4
[AD-A224060] 02 p0264 N91-11482
ZILLIAC, GREGORY G.
Wind tunnel study of an observatory dome with a circular aperture
[NASA-TM-102888] 06 p0912 N91-15040
ZIMAN, JA.
Small Space Lab as a basic spacecraft of Regatta project 01 p0070 N91-10423
ZIMBELMAN, D. F.
A technique for optimal temperature estimation for modeling sunrise/sunset thermal snap disturbance torque 09 p1292 N91-17098
ZIMBELMAN, JAMES R.
Scientific results of the NASA-sponsored study project on Mars: Evolution of volcanism, tectonics, and volatiles
[NASA-CR-188056] 14 p2347 N91-22984
Preliminary geologic mapping near the Nilosyrtis Mensae, Mars 14 p2352 N91-23009
ZIMMERMAN, ALBERT H.
The effects of platinum on nickel electrodes in the nickel hydrogen cell 24 p4036 N91-32554
ZIMMERMAN, B. E.
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones
[DE91-008144] 12 p1975 N91-20867
ZIMMERMAN, DAVID
Automated design of displays for technical data
[AD-A226729] 08 p1198 N91-16586
PDEMOD: Software for control/structures optimization
14 p2229 N91-22327
ZIMMERMAN, G. B.
Recent developments in Monte Carlo techniques
[DE91-009750] 13 p2144 N91-21808
ZIMMERMAN, J. A.
Formation of C10H8(+) from the benzene radical cation: A case for the growth of polycyclic aromatic hydrocarbon ions by Ion/Molecule reactions in the gas phase?
[AD-A235574] 19 p3138 N91-27338
ZIMMERMAN, JOE E.
Advanced sensors and instrumentation
09 p1281 N91-17041
ZIMMERMAN, K.
A manned maneuvering unit proximity operations planning and flight guidance display and control system
12 p1847 N91-20151
ZIMMERMAN, MARTIN L.
Designs for the ATDRSS tri-band reflector antenna
[NASA-TM-103754] 12 p1853 N91-20184
ZIMMERMAN, N. H.
A unified approach to buffet response of fighter aircraft empennage 06 p0780 N91-14326
ZIMMERMAN, SHERY A.
Project Cerberus: Flyby mission to Pluto
08 p1101 N91-16048
ZIMMERMAN, T.
An approximate HSPICE model for orbit low noise analog bipolar NPN transistors
[DE91-017220] 24 p4009 N91-32414
ZIMMERMAN, TOM
A simplified, improved method for making amplifier equivalent noise charge measurements using a new generation digitizing oscilloscope
[DE91-006821] 10 p1519 N91-18361
ZIMMERMANN, EDWIN C.
TIRT study no. 9: Stokes vector formalism for the source radiance of an opaque body
[AD-A231551] 14 p2256 N91-22479
ZIMMERMANN, H.
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 2: Transport airplanes and other civil applications
02 p0161 N91-10932
ZIMMERMANN, K.
Tube erosion for 20 mm caliber at pressure up to 5000 bar: Analysis of the materials and their wear
[ISL-R-104/89] 04 p0506 N91-12807
ZIMMERMANN, S. D.
Custom electronic subsystems for the laboratory telerobotic manipulator
[NASA-CR-187730] 07 p1011 N91-15554
ZIMMERMANN, U.
Free flow electrophoresis experiment TEPE 3 on Texus 24
[MBB-UO-0130-90-PUB] 11 p1692 N91-19321
Free flow electrophoresis experiment TEPE 3 on TEXUS 24
11 p1755 N91-19654
ZINDER, S. H.
Conversion of acetic acid to methane by thermophiles
[DE90-010993] 08 p1108 N91-16086
ZINGEL, H.
Experimental investigations of buffet excitation forces on a low aspect ratio trapezoidal half wing in incompressible flow 06 p0781 N91-14329
Experimental investigation and semi-empirical prediction of the dynamic response of a low-aspect-ratio trapezoidal wing due to flow separation 06 p0781 N91-14330
ZINGEL, HARTMUT
Determination of unsteady aerodynamic forces on engines with a view to flutter investigations
02 p0160 N91-10927
ZININ, L. V.
Measurements of the longitudinal movements of O(+) ions in the subauroral upper atmosphere from the Aureol 3 satellite 18 p2931 N91-26171
ZINK, JEFFREY I.
Luminescence and absorption spectra of C60 films
[AD-A232153] 15 p2508 N91-23900
ZINK, MANFRED
Cross-calibration between airborne SAR sensors
[DLR-FB-91-10] 22 p3663 N91-30395
ZINK, R. A.
Self-propelled in-tube shuttle and control system for automated measurements of magnetic field alignment
[DE90-008210] 08 p1147 N91-16316
ZINKLE, STEVEN J.
Interfacial push-out measurements of fully-bonded SiC/SC composites
[DE91-004527] 06 p0804 N91-14436
Radiation resistance of copper alloys at high exposure levels
[DE91-001563] 06 p0809 N91-14470
Ion irradiation effects on a martensitic stainless steel designed for reduced long-life radioactivity
[DE91-005045] 10 p1497 N91-18242
ZINN, B. T.
Pulse combustion engineering research laboratory
[PB91-157271] 17 p2756 N91-25253
Investigation of the combustion of liquid fuels in Rijke type pulse combustors
[DE90-012490] 21 p3493 N91-29381
ZINN, BEN T.
Investigation of the flame-acoustic wave interaction during axial solid rocket instabilities
[AD-A237851] 21 p3466 N91-29223
ZINN, J.
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
ZINNECKER, H.
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
05 p0739 N91-14125
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
The molecular interstellar medium and the near-infrared continuum of the barred liner NGC 6764
[MPE-PREPRINT-193] 15 p2532 N91-24029
ZINNER, E.
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006
ZINNER, ERNST K.
Instellar grains within interstellar grains
11 p1820 N91-19998
ZIOCK, H. J.
Superconducting Super Collider silicon tracking subsystem research and development
[DE91-009227] 13 p2152 N91-21862
ZIOLKOWSKI, R. W.
Path integral asymptotics in the absence of classical paths
[DE90-016213] 01 p0113 N91-10659
Localized waves in complex environments
[DE91-011934] 20 p3334 N91-28462
ZIOLKOWSKI, RICHARD
Modeling pulse driven antenna systems with finite differences
[DE90-010682] 08 p1125 N91-16182
ZIOLKOWSKI, RICHARD W.
Localized wave transport of pulsed beam energy
[DE91-005066] 10 p1590 N91-18769
ZIOMEK, C. D.
Design of a multivariable RF control system using gain-shaping in the frequency domain
[DE91-013859] 20 p3336 N91-28474
ZIPPEL, RICHARD
Programming the data structure accelerator
[AD-A226334] 04 p0568 N91-13151
ZIPPERIAN, T. E.
Electric-field dependent electroreflectance and photocurrent spectroscopy in InGaAs/InAlAs strained-layer superlattices
[DE90-015698] 02 p0277 N91-11559

Photoluminescence studies of In(x)Ga(1-x)As/Al(y) Ga(1-y)As strained-layer structures
[DE90-017031] 02 p0278 N91-11561
Optically-triggered GaAs thyristor switch s: Integrated structures for environmental hardening
[DE91-001355] 06 p0824 N91-14553
CCST (Center for Compound Semiconductor Technology) research briefs
[DE91-002954] 07 p1071 N91-15892
Novel applications of Tl-Ca-Ba-Cu-O thin films to active and passive high frequency devices
[DE91-004507] 08 p1134 N91-16240
S-parameter measurements and applications of superconducting flux flow transistors
[DE91-009763] 15 p2417 N91-23386
The superconducting flux flow transistor: Modeis and applications
[DE91-014702] 20 p3340 N91-28501

ZIPSER, EDWARD J.
WetNet: Using SSM/I data interactively for global distribution of rainfall and precipitable water
24 p4061 N91-32685

ZISKIN, DANIEL
The effect of clouds on the earth's radiation budget
[NASA-CR-188804] 22 p3708 N91-30637

ZISMAN, MICHAEL S.
Influence of collective effects on the performance of high-luminosity colliders
[DE91-001797] 05 p0714 N91-13982

ZISSERMAN, A.
Visual navigation around curved obstacles
[OUEL-1861/90] 11 p1717 N91-19458

ZISSERMAN, ANDREW
Projectively invariant representations using implicit algebraic curves
[OUEL-1829/90] 04 p0571 N91-13171

ZITTEL, D. H.
Radar-cross-section measurement errors caused by test object interaction with low-dielectric-constant supports
[DE91-015340] 23 p3855 N91-31490

ZITTER, ROBERT N.
Electro-rheology fluids and liquid fuel flow
[AD-A238600] 21 p3515 N91-29520

ZITVOGEL, E.
Beam current monitoring in the AGS booster and its transfer lines
[DE91-013328] 20 p3404 N91-28870

ZIVI, EDWIN L., JR.
Multiplel channel automatic concentration meter
[AD-D014832] 16 p2598 N91-24394

ZLOBEC, P.
An unusual case of meter wave type-3 bursts leading millimeter-wave bursts
[INPE-5140-PRE/1628] 13 p2183 N91-22064

ZLOTNICK, VICTOR
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597

ZOBRIST, A. L.
RAND's Cartographic Analysis and Geographic Information System (RAND-CAGIS): A guide to system use
[RAND/N-3172-RC] 19 p3260 N91-28031

ZOCCO, T. G.
Structure-process-property relations in excimer laser surface processed Ti-6Al-4V alloy
[DE91-004859] 07 p0981 N91-15383

ZOLENSKY, MIKE
Meteoroid and orbital debris record of the Long Duration Exposure Facility 16 p2711 N91-25003

ZOLLWEG, JOHN A.
Thermodynamics of the liquid mixture carbon dioxide + butane below 285 K
[PB91-185009] 22 p3648 N91-30302
Thermodynamics of the liquid mixture krypton + xenon up to 190 K
[PB91-185025] 22 p3648 N91-30303

ZOLOTUSKY, G.
A study of the interaction of physical and numerical parameterizations with regard to moisture forecasting in a regional model of the atmosphere
[AD-A227966] 08 p1178 N91-16488

ZOLTANI, C. K.
Variational method in the statistical theory of turbulence
[AD-A231621] 13 p2084 N91-21484

ZOLTANI, CSABA K.
Flow visualization in a particle laden jet flow
[AD-A226432] 04 p0523 N91-12914

ZONDAG, E. G.
Hierarchical management of distributed objects
[MEMO-INF-90-73] 22 p3734 N91-30792
Object-orientedness: A survey
[MEMO-INF-90-81] 22 p3734 N91-30795

ZONGHAO, WANG
The impact of NOAA satellite soundings on the numerical analysis and forecast system of the People's Republic of China. Part 1: FGGE data. Part 2: December 1987 data
[AD-A227463] 09 p1366 N91-17506

ZOOK, H. A.
Dust particles from comets and asteroids collected at the Earth's orbit: Parent-daughter relationships
17 p2894 N91-25997

ZOOK, HERBERT A.
Deriving the velocity distribution of meteoroids from the measured meteoroid impact directionality on the various LDEF surfaces 16 p2712 N91-25012

ZOOK, JOHN A.
Energy-efficient penetration of targets
[AD-A232227] 15 p2440 N91-23518

ZOTTER, B.
A new wake-potential calculation method using orthogonal polynomials
[DE91-013045] 20 p3392 N91-28799

ZOU, D.
Model filled polymers versus synthesis of crosslinked monodisperse polymethacrylate beads
[AD-A227236] 08 p1118 N91-16146

ZOU, DEZHONG
Model filled polymers 8: Synthesis of crosslinked polymeric beads by seed polymerization
[AD-A237429] 21 p3487 N91-29349

ZOU, JINGKE
Digital image integration technique of multiple geoscience information system and its application
[DE90-627893] 01 p0135 N91-10801

ZOU, KE-SHAN
Seismic structure of the upper mantle under the Pacific Ocean 08 p1179 N91-16492

ZOUTENDYK, J. A.
Heavy-ion induced single-event upset in integrated circuits 24 p3998 N91-32347

ZOUTENDYK, JOHN A.
Detection of multiple-bit errors from single-ion tracks in integrated circuits
[NASA-CASE-NPO-18075-1-CU] 05 p0652 N91-13622

ZRNIC, DUSAN
Enhancements to the terminal Doppler weather radar gust front algorithm
[DOT/FAA/NR-91/3] 14 p2255 N91-22473

ZSCHACK, P.
X ray determination of site occupation parameters in ordered ternaries Cu(Au(x)M(1-x))M = Ni,Pd
[DE91-007861] 11 p1809 N91-19937
Development of nanovolt-resolution x ray diffraction using resonant nuclear scattering
[DE91-012217] 20 p3400 N91-28847

ZSOLDOS, JEFFREY S.
Spacecraft Orbit Design and Analysis (SODA). Version 2.0: User's guide
[NASA-CR-187494] 09 p1386 N91-17625

ZUBE, DIETER M.
Nonequilibrium in a low power arcjet nozzle
[NASA-CR-187166] 19 p3116 N91-27215

ZUBER, MARIA T.
Evolution of the Olympus Mons Caldera, Mars
14 p2350 N91-22998
Constraints on the depth and geometry of the magma chamber of the Olympus Mons Volcano, Mars
14 p2352 N91-23010

ZUBOV, V. V.
Copper vapor as active medium for high-power oscillator-amplifier laser systems
11 p1787 N91-19806

ZUBRIN, ROBERT
Humans to Mars in 1999 20 p3298 N91-28237

ZUBRIN, ROBERT M.
Nuclear thermal rockets using indigenous extraterrestrial propellants 14 p2199 N91-22146
Use of magnetic sails for advanced exploration missions 14 p2201 N91-22153

ZUCCA, J. J.
Seismic imaging for velocity and attenuation structure in geothermal fields
[DE90-010742] 08 p1175 N91-16469

ZUCKERWAR, ALLAN J.
Second coefficient of viscosity in air
[NASA-CR-187783] 07 p0977 N91-15364
Fiber optic microphone
[NASA-CASE-LAR-14402-1-CU] 07 p1068 N91-15874

ZUERN, CHRISTINE
Computer-assisted publishing with its standards and compatibility problems 17 p2875 N91-25904

ZUERNDORFER, BRIAN
Mesoscale monitoring of the soil freeze/thaw boundary from orbital microwave radiometry
[NASA-CR-185901] 05 p0686 N91-13817

ZUHR, R. A.
Laser-induced fluorescence and nonlinear optical properties of ion-implanted fused silica
[DE91-004523] 09 p1317 N91-17232
Thin film amorphous electrolytes: The Li2O-SiO2-P2O5 system
[DE91-007272] 11 p1807 N91-19925

ZUIDWEG, KAREL
Fourier techniques in physical geodesy: A fundamental approach
[ETN-91-99422] 17 p2801 N91-25498

ZUKAS, J. A.
Superconducting and computational penetration mechanics
[AD-A226267] 04 p0532 N91-12950

ZUKAS, WALTER X.
Model adherend surface effects on epoxy cure reactions
[AD-A230710] 12 p1876 N91-20310
Pilot prepreg line: A comprehensive analysis of prepreg quality
[AD-A231912] 14 p2240 N91-22393
Studies of polymers for shock absorption applications
[AD-A237925] 21 p3489 N91-29358

ZUKHANOV, A.
Long-term and short-term planning of x ray and gamma observations on board the Earth satellites
14 p2213 N91-22228

ZUKOSKI, EDWARD E.
Investigation of combustion in large vortices
[AD-A226791] 06 p0804 N91-14441
Combustion in turbulent jets and buoyant flames, phase 1
[PB90-269655] 09 p1309 N91-17182

ZUKOWSKI, T. J.
Initiation and modification of reaction by energy addition: Kinetic and transport phenomena
[AD-A229591] 22 p3646 N91-30293

ZUMGERGE, MARK A.
Test of Newtonian gravity using DSV sea cliff
[AD-A238558] 21 p3542 N91-29680

ZUMWALT, G. W.
Electromagnetic emissions from an electro-impulse deicing system in a composite wing equipped with lightning protection
[DOT/FAA/CT-TN90/32] 24 p3988 N91-32284

ZUMWALT, GLEN
Aircraft icing handbook, volume 1
[AD-A238039] 21 p3453 N91-29154
Aircraft icing handbook, volume 2
[AD-A238040] 21 p3453 N91-29155
Aircraft icing handbook, volume 3
[AD-A238041] 21 p3454 N91-29156

ZUNIGA, FANNY A.
Summary of in-flight flow visualization obtained from the NASA high alpha research vehicle
[NASA-TM-101734] 11 p1642 N91-19055

ZUNIGA, M. R.
An algorithm for improved gating combinatorics in multiple-target tracking
[AD-A224700] 03 p0400 N91-12225

ZUNIGA, MIGUEL R.
Efficient approaches for report/cluster correlation in multitarget tracking systems
[AD-A231589] 13 p2073 N91-21421

ZUO, J. K.
Substrate temperature effects on (cubic x cubic lattice) R 30 deg domain growth of Ag on Si(111) surface
[DE90-016527] 01 p0131 N91-10772

ZUO, J.-K.
Defect and impurity effects on the initial growth of Ag on Si(111)
[DE91-001277] 06 p0882 N91-14876

ZUPP, GEORGE A., JR.
Assured crew return vehicle
[NASA-CASE-MSC-21536-1] 05 p0629 N91-13483

ZUPPERO, ANTHONY
Mass budget for mining the moons of Mars
17 p2909 N91-26063
Optimum rocket propulsion for energy-limited transfer
17 p2909 N91-26064

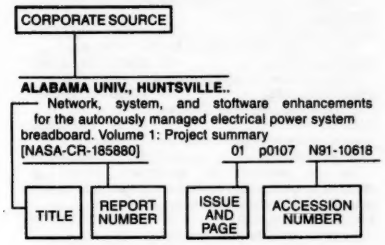
ZUREK, A. K.
The influence of shock pre-strain and peak pressure on spall behavior of 4340 steel
[DE90-016812] 01 p0027 N91-10164
Dynamic strength and strain rate effects on fracture behavior of tungsten and tungsten alloys
[DE91-013029] 23 p3814 N91-31275

ZUREK, R. W.
Dust in the Mars atmosphere
18 p3090 N91-27082

ZUREK, RICHARD
Hubble Space Telescope observations of Mars
11 p1821 N91-20003

ZUREK, WOJCIECH H.
Algorithmic information content, Church-Turing thesis, physical entropy, and Maxwell's demon
[DE91-001804] 05 p0728 N91-14069
The shape of the invisible halo: N-body simulations on parallel supercomputers
[DE91-004846] 09 p1388 N91-17636
Environment-induced superselection in cosmology
[DE91-005948] 10 p1611 N91-18888
ZUTAVERN, F. J.
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
Rise time and recovery of GaAs photoconductive semiconductor switches
[DE91-001267] 06 p0879 N91-14854
High power light activated semiconductor switches with sub-nanosecond rise time
[DE91-009250] 15 p2515 N91-23939
Physics and applications of the lock-on effect
[DE91-014670] 21 p3504 N91-29446
High gain photoconductive semiconductor switching
[DE91-014668] 21 p3508 N91-29478
ZUTECK, MICHAEL D.
Structural properties of laminated Douglas fir/epoxy composite material
[NASA-RP-1236] 01 p0022 N91-10127
ZUZEK, JOHN E.
An assessment of technology alternatives for telecommunications and information management for the space exploration initiative
[NASA-TM-103783] 15 p2410 N91-23347
Millimeter wavelength communications applications for the SEI
[NASA-TM-105275] 24 p3989 N91-32287
ZVANYA, JOHN
DATAS hardware diagnostic tests
[DOT/FAA/CT-TN90/44] 06 p0857 N91-14728
ZVILICHOVSKY, DAVID
QCP (Quantization Correction Pyramids) and parallel algorithms for pyramid construction
[ITN-91-85077] 07 p1050 N91-15763
ZWAAN, M.
Approximation of the solution to the moment problem in a Hilbert space
[CWI-AM-R8923] 02 p0259 N91-11438
Dynamic MRI reconstruction as a moment problem. Part 3: An error analysis of reconstruction by sinc and spline interpolation in a Hilbert space setting
[CWI-AM-R9002-PT-3] 02 p0259 N91-11441
ZWAAN, R. J.
Investigation of a semi-empirical method to predict limit cycle oscillations of modern fighter aircraft
06 p0782 N91-14333
ZWARTHOED, G.
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep
09 p1439 N91-17934
ZWASS, SAMUEL
High reliability megawatt transformer/rectifier
[NASA-CR-187079] 13 p2075 N91-21430
ZWEBEN, MONTE
The Ames-Lockheed orbiter processing scheduling system 12 p1941 N91-20677
ZWEIBEL, ELLEN G.
Evolution of a superbubble blastwave in a magnetized medium 05 p0750 N91-14180
Virial theorem analysis of the structure and stability of magnetized clouds 05 p0752 N91-14190
ZWEIBEL, K.
Research on polycrystalline thin-film materials, cells, and modules
[DE91-002124] 09 p1415 N91-17789
Polycrystalline thin film photovoltaic technology
[DE91-002136] 20 p3367 N91-28650
ZWEIFEL, TERRY
Flight experience with windshear detection
03 p0302 N91-11684
The effect of windshear during takeoff roll on aircraft stopping distance 03 p0305 N91-11699
ZWEIFIL, TERRY
Temperature lapse rate as an adjunct to wind shear detection 16 p2557 N91-24184
ZWICK, HARRY
Results of a pilot study: Target identification using computer visual simulation of laser-induced contrast sensitivity deficits
[AD-A232899] 16 p2632 N91-24568
ZWIENER, JAMES M.
Meteoroid/space debris impacts on MSFC LDEF experiments 16 p2711 N91-25001
Thermal control surfaces experiment (S0069) initial materials evaluation 16 p2716 N91-25035
Unusual materials effects observed on the thermal control surfaces experiment (S0069)
16 p2716 N91-25036
Thermal control surfaces experiment flight system performance
[NASA-TM-105036] 22 p3629 N91-30194
ZWIERS, JOB
Consistent alternatives of parallelism with conflicts: Two partial order semantics for shared variable concurrency
[MEMO-INF-91-15] 22 p3739 N91-30829
ZWILLING, J. F.
Principle and realization of the instrument used for the CIRCE experiment on board the Mir station
11 p1760 N91-19684
ZYLKA, R.
High resolution observations of compact H II regions at 230 GHz 06 p0896 N91-14954
ZYVOLOSKI, G.
FEHMN 1.0: Finite element heat and mass transfer code
[DE91-011347] 17 p2847 N91-25737
ZYWICZ, EDWARD
A three-dimensional constitutive theory for fiber composite laminated media
[AD-A235541] 19 p3118 N91-27225
ZYWIEL, JAN Z.
NAVPACK: Simulation tools for design of high performance integrated navigation systems
07 p1046 N91-15739

Typical Corporate Source Index Listing



Listings in this index are arranged alphabetically by corporate source. Titles, without title extensions, are provided under each corporate source entry. The report number helps to indicate the type of document cited (e.g., NASA report, translation, NASA contractor report). The issue and page number identify the *STAR* issue in which the document was announced and the page on which the citation appears. The accession number denotes the number by which the citation is identified on that page. The listings are arranged under each personal author in ascending accession number order.

A

AARHUS UNIV. (DENMARK).
Plant protoplast development on Biokosmos 9
11 p1758 N91-19674

ABACUS PROGRAMMING CORP., VAN NUYS, CA.
The AI Bus architecture for distributed knowledge-based systems
12 p1944 N91-20697

ABASTUMANI ASTROPHYSICAL OBSERVATORY, GEORGIA (USSR).
Dust of Orionid meteor shower in the Earth atmosphere before and after Halley's Comet
06 p0908 N91-15012
A new model of spicule formation in the Sun chromosphere
06 p0916 N91-15051
On some peculiarities of solar differential rotation
06 p0917 N91-15054
Bursts of energetic protons in the Earth's magnetotail
06 p0917 N91-15058
Hydrodynamics of collisionless relativistic plasma in a strong magnetic field
06 p0919 N91-15072
Amplification of Alfven waves in free shear flows
06 p0919 N91-15074
Excitation of Langmuir wave by transversal nonlinear wave in the electron-positron inhomogeneous plasma in the presence of positron beam
06 p0919 N91-15076
Experiments with collision of vortices in rotating and still free-surface shallow water
06 p0920 N91-15080
Matter penetration and motion through the magnetosphere of neutron star
06 p0921 N91-15087
On the existence of circular polarisation in the pulsar radiation
06 p0921 N91-15088
Large-scale vortices in compressible turbulent medium with the magnetic field
06 p0922 N91-15095
Pregalactic inhomogeneity in hot dark matter model of the universe
06 p0922 N91-15100
On the possibility of discovering pulsed radiation from SN 1987A
06 p0923 N91-15102
Investigation of the night sky airglow near the epicenter of the earthquake
06 p0923 N91-15107

ABB HAFO A.B., JAERFAELLA (SWEDEN).
Design and manufacture of space ASICs today and tomorrow: Promises and problems
24 p3991 N91-32299
Analog CMOS/SOS in radiative environments
24 p3999 N91-32350
ABB Hafo's ESA approved capability domain for CMOS/SOS ASICs
24 p4004 N91-32388

ABERDEEN UNIV. (SCOTLAND).
Symmetries in general relativity
15 p2520 N91-23966

ABILENE CHRISTIAN UNIV., TX.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953]
05 p0662 N91-13682

ACADEMIA SINICA, BEIJING (CHINA).
Environmental testing for Chinese communications satellites
07 p0951 N91-15226
Analysis of atmospheric diffusion of pollutants based on the limited observation of horizontal wind
08 p1140 N91-16274
MmB: A new class of accurate high resolution schemes for conservation laws in two dimensions
08 p1140 N91-16275
Measurements of plasma space potential and radial electric field in TEXT with a heavy ion beam probe
[PB91-151290]
17 p2870 N91-25876
The effects of sulfate and soot in smoke on atmospheric extinction
24 p4034 N91-32539
An iterative method for obtaining the optimum lightning location on a spherical surface
24 p4065 N91-32709

ACADEMIA SINICA, HEFEI (CHINA).
Investigation on the projection by a Z-pinch discharge
[DE90-637548]
02 p0275 N91-11544
A lidar equipped with photon counter for measuring stratospheric aerosols
24 p4034 N91-32540

ACADEMIA SINICA, TAIPEI (TAIWAN).
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953]
05 p0662 N91-13682

ACADEMY OF PEDAGOGICAL SCIENCES OF THE USSR, MOSCOW.
A new kind of magnetic buoyancy instability
06 p0916 N91-15050

ACADEMY OF SCIENCES, BERLIN (GERMAN D.R.).
Multiple-ion waves behind shocks
01 p0071 N91-10429
Results of examination of unsteady convection of vertical thermally unstable Bi-Sb-Te melts
14 p2335 N91-22905

ACADEMY OF SCIENCES, POTSDAM (GERMAN D.R.).
Energetic particles in the Earth's magnetotail or: Cluster and Regatta as a dispersiometer
01 p0072 N91-10434
Energy dissipation of shear Alfven waves in extended cosmic jets
06 p0921 N91-15086
Planetary surface structure and evolution of Mars
17 p2911 N91-26071

ACADEMY OF SCIENCES OF THE GEORGIAN SSR, TBILISI.
On the primary cosmic ray nuclei spectra behaviour in the 10(exp 16) eV energy region
06 p0919 N91-15069
Ultrarelativistic low-frequency electromagnetic waves in pulsar magnetospheres
06 p0921 N91-15091

ACADEMY OF SCIENCES OF THE LITHUANIAN SSR, VILNIUS.
Plant growth under microgravity conditions: Experiments and problems
11 p1758 N91-19671

ACADEMY OF SCIENCES OF THE UKRAINIAN SSR, KIEV.
The photovoltaic effect on pyroelectics
23 p3889 N91-31707
Near-wall conductivity
23 p3927 N91-31944
Plasma-optics systems for the formation and focusing of ion beams
23 p3929 N91-31956

ACADEMY OF SCIENCES (USSR), DUSHANBE.
Interstellar dust as generator of x ray radiation
06 p0889 N91-14910

ACADEMY OF SCIENCES (USSR), GORKY.
Generation of inductive fields by an oblique magnetic rotator in collisionless plasma
06 p0920 N91-15077
Radiation-driven diskons as a new astrophysical object
06 p0923 N91-15105
Diffuse x ray scattering YBa2Cu3O(6.95) monocrystal
[DE91-615182]
11 p1810 N91-19943
Higher harmonics of magnetization in the critical state of ceramic high Tc superconductors
[DE91-615506]
11 p1810 N91-19944
Magnetism and superconductivity in YBa2Cu3O(6+x) at 0.3 less than or equal to x less than or equal to 0.4
[DE91-615507]
11 p1810 N91-19945

ACADEMY OF SCIENCES (USSR), IRKUTSK.
A numerical calculation of parameters of explosion MHD shock waves from moderate solar flares
06 p0918 N91-15066
Influence of the parameter distribution of the solar wind near the Sun upon its structure at the Earth's orbit
06 p0924 N91-15108
Interrelationship between the tearing-instability and magnetic island merging
06 p0924 N91-15109

ACADEMY OF SCIENCES (USSR), LENINGRAD.
Some results from studies on relationships between the optical-meteorological parameters and solar activity. Part 2: Development of the problem of solar forcing
03 p0448 N91-12504
Dust clouds in Orion and the interstellar neutral hydrogen distribution
06 p0894 N91-14941
Maser cyclotron instability in a plasma with anisotropic distribution function
06 p0919 N91-15075
Annihilation radiation of strongly-magnetised electron-positron plasma with power-law distributions of particles
06 p0920 N91-15078
Spectral synthesis code LINESPEC: Ionisation equilibrium of plasma and absorption spectra formation
06 p0923 N91-15106
Double 4f-collapse in Ce(0.9-x)Yb(x)Th(0.1)
[DE91-619752]
13 p2160 N91-21908
Outer planets and icy satellites
17 p2914 N91-26089

ACADEMY OF SCIENCES (USSR), MOSCOW.
Specific tasks of multiple scale plasma measurements in Regatta-Cluster system
01 p0069 N91-10419
Small Space Lab as a basic spacecraft of Regatta project
01 p0070 N91-10423
Problems of cold plasma measurements on the Regatta-A spacecraft
01 p0071 N91-10431
Specific tasks of Regatta-E measurements correlated with Cluster/Regatta-A in the ISTP and Regatta programmes
01 p0072 N91-10436
Possibilities of charged particle injection from spacecraft for active diagnostics of the surrounding plasma and active spacecraft potential control
01 p0072 N91-10437
The possibility of making fast measurements of ion distribution functions
01 p0072 N91-10438
Filamentary structures in the Sun's atmosphere as singular Alfven waves
06 p0916 N91-15053
Solitary vortices in the vicinity of comets
06 p0918 N91-15062
Detection of nonlinear features in plasma and field measurements by PROGNOZ-8
06 p0918 N91-15063
Gradient catastrophe of the supersonic mass-loaded magnetised plasma flow and the formation of bow shock
06 p0918 N91-15065
Evolution of high amplitude Alfven waves near a bow shock
06 p0919 N91-15068
Wave collapse at lower hybrid resonance
06 p0919 N91-15073
Sterile neutrinos and astrophysical and cosmological constraints on the parameters of the extended electroweak models
06 p0920 N91-15083
On the theory of large-scale micropulse structure of pulsar radio radiation
06 p0922 N91-15092
Compact object masses in active galactic nuclei and quasars and duration of activity stage
06 p0922 N91-15096
The plasma model of radioemission from SN 1987A
06 p0923 N91-15101
On leading spiral arms in close pairs of galaxies
08 p1259 N91-16935

Stationary orbits of satellites of disk galaxies
08 p1263 N91-16954
The reference systems for tactile perception and for the orientation with respect to body
11 p1761 N91-19691
Submillimeter astronomy and cosmological tests
13 p2173 N91-21993
RELICT 2 project: Scientific program and structure
13 p2174 N91-21998
Long-term and short-term planning of x ray and gamma observations on board the Earth satellites
14 p2213 N91-22228
The automatic reconstruction of 3-dimensional scenes for Mars rover operations
14 p2214 N91-22230
System for information processing and executing calculational tasks for ballistic and navigation support of spacecraft mission
14 p2224 N91-22300
Planetary Sciences: American and Soviet Research [NASA-CR-188165]
14 p2344 N91-22960
Formation and evolution of the protoplanetary disk
14 p2345 N91-22964
Physical-chemical processes in a protoplanetary cloud
14 p2345 N91-22965
The rate of planet formation and the solar system's small bodies
14 p2345 N91-22969
Late stages of accumulation and early evolution of the planets
14 p2346 N91-22971
The thermal conditions of Venus
14 p2346 N91-22973
Lithospheric and atmospheric interaction on the planet Venus
14 p2346 N91-22976
Proceedings of the Workshop on Geophysical Informatics [PB91-164376]
22 p3704 N91-30618
Optimal parameters of leader development in lightning
24 p4067 N91-32723
Experimental modelling of lightning interaction phenomena with a free potential conducting objects
24 p4068 N91-32729

ACADEMY OF SCIENCES (USSR), NOVOSIBIRSK.
Laboratory simulation of the astrophysical burst processes in non-uniform magnetised media
06 p0920 N91-15081
Laboratory and computer simulations of wave generation processes in non-stationary astrophysical phenomena
06 p0920 N91-15082
Nonlinear magnetosonic waves in an inhomogeneous plasma
06 p0924 N91-15110
Software for the ODRENOK microcomputer. Program package for graphics editing [DE91-614980]
11 p1778 N91-19752
Correlations of pseudo-random numbers of multiplicative sequence [DE91-615076]
11 p1784 N91-19788

ACADEMY OF SCIENCES (USSR), TROITSK.
On the possibility to support multisatellite measurements of the Cluster mission by single satellite measurements in the Regatta-Cluster project
01 p0071 N91-10428
Nonstationary processes in the front of high Mach number collisionless quasiperpendicular shock: Dynamics of the ion distribution
06 p0918 N91-15067
Neutrino scattering by nuclei in imperfect media
06 p0923 N91-15104

ACOUSTICAL SOCIETY OF AMERICA, NEW YORK, NY.
US TAG for ISO/TC108 mechanical vibration and shock: Minutes of the accredited standards committee on mechanical shock and vibration, S2 [AD-A239536]
24 p4031 N91-32521

ACUREX CORP., MOUNTAIN VIEW, CA.
Users guide for the conversion of Navy paint spray booth particulate emission control systems from wet to dry operation [AD-A224737]
03 p0349 N91-11947
Combustion experimentation handbook [PB91-101923]
09 p1308 N91-17175
NOx emission constraints on high-temperature processes [PB91-136424]
16 p2654 N91-24682

ACUREX CORP., RESEARCH TRIANGLE PARK, NC.
Recommended operating procedure No. 45: Analysis of nitrous oxide from combustion sources [PB90-238502]
02 p0193 N91-11078

ADA JOINT PROGRAM OFFICE, ARLINGTON, VA.
Ada compiler validation procedures [AD-A228001]
07 p1052 N91-15774
Ada compiler validation procedures, version 2.1 [AD-A228614]
08 p1204 N91-16621
Ada Programming Support Environment (APSE) Evaluation and Validation (E and V) team [AD-A232075]
16 p2667 N91-24760

ADA JOINT PROGRAM OFFICE, WASHINGTON, DC.
Proceedings of the 5th Annual Ada Software Engineering Education and Training (ASEET) Symposium [AD-A234029]
19 p3217 N91-27780

ADIABATICS, INC., COLUMBUS, IN.
Uncooled two-stroke gas engine for heat pump drive [DE91-005482]
10 p1539 N91-18471

ADMIRALTY RESEARCH ESTABLISHMENT, GOSPORT (ENGLAND).
FORTRAN program for sound scattering by layered isotropic cylinder [AD-A226321]
04 p0579 N91-13228
Transition control via boundary layer heating [ARE-TR-88503]
05 p0660 N91-13667
Component local velocities of a ship along a defined axis [ARE-TM(UHR)-91305]
24 p4012 N91-32424

ADSYSTECH, INC., SILVER SPRING, MD.
General aviation pilot and aircraft activity survey [AD-A236497]
22 p3609 N91-30075

ADVANCE DESIGN INFORMATION, INC., SHERMAN OAKS, CA.
Design of an instructional strategy to teach visualization in an advection context in intelligent computer-assisted instruction [AD-A235942]
22 p3726 N91-30735

ADVANCED AVIATION CONCEPTS, JUPITER, FL.
Analysis of helicopter mishaps at heliports, airports, and unimproved sites [SCT-90RR-46]
09 p1275 N91-17010

ADVANCED COUNTERMEASURE SYSTEMS, SACRAMENTO, CA.
Use of property restoral algorithms for blind adaptation of receive-path and transmit-path antenna arrays in a ground-based communication system, phase 1 [AD-A234242]
22 p3658 N91-30360

ADVANCED FUEL RESEARCH, INC., EAST HARTFORD, CT.
Novel on-line characterization method for suspended particles [PB90-257478]
09 p1332 N91-17315
Epitaxial growth of single crystal diamond on silicon [AD-A237758]
21 p3596 N91-30007

ADVANCED PROJECTS RESEARCH, INC., MOORPARK, CA.
A multidimensional finite element method for CFD
13 p2014 N91-21079

ADVANCED RESEARCH AND APPLICATIONS CORP., SUNNYVALE, CA.
A new NDE capability for thin-shelled structures [AD-A231578]
14 p2276 N91-22590
Diagnostic support services for LLNL (Lawrence Livermore National Laboratory) NOVA laser experiments [DE90-012125]
21 p3520 N91-29552

ADVANCED TECHNOLOGIES, INC., NEWPORT NEWS, VA.
Soft hub for bearingless rotors [NASA-CR-177586]
16 p2559 N91-24198

ADVANCED TECHNOLOGY MATERIALS, INC., DANBURY, CT.
MOCVD of TlBaCaCuO on MgO using fluorinated beta-diketonate source reagents [AD-A236594]
19 p3255 N91-28008
MOCVD of TlBaCaCuO superconducting thin films: Structure, property, processing relationships [AD-A236881]
19 p3255 N91-28011

ADVISORY COMMITTEE ON THE FUTURE OF THE US SPACE PROGRAM, WASHINGTON, DC.
Report of the Advisory Committee on the Future of the US Space Program [NASA-TM-104952]
14 p2205 N91-22182

ADVISORY GROUP FOR AEROSPACE RESEARCH AND DEVELOPMENT, NEUILLY-SUR-SEINE (FRANCE).
Rotorcraft drivetrain life safety and reliability [AGARD-R-775]
01 p0007 N91-10042
Aircraft trajectories: Computation, prediction, control, volume 1. Part 1: Fundamentals. Part 2: Flight in critical atmospheric conditions. Part 3: Impact of new on-board technologies on aircraft operation [AGARD-AG-301-VOL-1-PT-1-3]
02 p0167 N91-10967
Aircraft trajectories: Computation, prediction, control, Volume 3. Part 9: Book of abstracts. Part 10: Bibliography. Part 11: List of contributors [AGARD-AG-301-VOL-3-PT-9-11]
02 p0169 N91-10978
Aircraft trajectories: Computation, prediction, control, volume 2: Air traffic handling and ground-based guidance of aircraft. Part 4: Air traffic handling. Part 5: Guidance of aircraft in a time-based constrained environment. Part 6: Surveillance. Part 7: Meteorological forecasts. Part 8: Aircraft operation in air traffic handling simulation [AGARD-AG-301-VOL-2-PT-4-8]
02 p0172 N91-10981
Test cases for computation of internal flows in aero engine components [AGARD-AR-275]
02 p0181 N91-11022
Short-crack growth behaviour in various aircraft materials [AGARD-R-767]
02 p0222 N91-11240
Recruiting, Selection, Training and Military Operations of Female Aircrew [AGARD-CP-491]
02 p0244 N91-11358
Occupant crash protection in military air transport [AGARD-AG-306]
03 p0306 N91-11706
Aircraft operations on repaired runways [AGARD-R-731]
03 p0316 N91-11771
New Light Alloys [AGARD-LS-174]
03 p0340 N91-11905
Seminar on the Structure of Aeronautical R and D [AGARD-R-782]
04 p0461 N91-12579
Aeronautical R and D in smaller countries
04 p0462 N91-12582
Fault Tolerant Design Concepts for Highly Integrated Flight Critical Guidance and Control Systems [AGARD-CP-456]
04 p0482 N91-12682
Benefits of Computer Assisted Translation to Information Managers and End-Users [AGARD-LS-171]
04 p0603 N91-13352
Missile Interceptor Guidance System Technology [AGARD-LS-173]
05 p0619 N91-13434
Hazard studies for solid propellant rocket motors [AGARD-AG-316]
05 p0630 N91-13488
Echocardiography in NATO aircrew [AGARD-AR-297]
05 p0694 N91-13863
Applications of Superconductivity to Avionics [AGARD-CP-481]
05 p0722 N91-14030
List of standards to accompany manual of documentation practices applicable to defence-aerospace scientific and technical information. Addendum [AGARD-AG-235-ADD]
05 p0730 N91-14076
AGARD highlights 90/2, September 1990, part 2 [AD-A226532]
05 p0730 N91-14080
Missile Aerodynamics [AGARD-CP-493]
06 p0772 N91-14278
Aircraft Dynamic Loads Due to Flow Separation [AGARD-CP-483]
06 p0780 N91-14324
Advances in Components for Active and Passive Airborne Sensors [AGARD-CP-482]
07 p0940 N91-15154
Computer Aided System Design and Simulation [AGARD-CP-473]
07 p1042 N91-15715
Safety Network to Detect Performance Degradation and Pilot Incapacitation [AGARD-CP-490]
08 p1192 N91-16553
Calendar of selected aeronautical and space meetings: January 1991 onwards [AGARD-CAL-91/1]
08 p1240 N91-16833
Special Course on Inverse Methods for Airfoil Design for Aeronautical and Turbomachinery Applications [AGARD-R-780]
10 p1457 N91-18035
Aerodynamics of Rotorcraft [AGARD-R-781]
10 p1459 N91-18048
Progress in Military Airlift [AGARD-CP-495]
10 p1463 N91-18067
Ionospheric Modification and its Potential to Enhance or Degrade the Performance of Military Systems [AGARD-CP-485]
10 p1546 N91-18506
Space Vehicle Flight Mechanics [AGARD-AR-294]
11 p1656 N91-19124
Computer Aided System Design and Simulation [AGARD-AR-283]
11 p1775 N91-19731
Rotary-balance testing for aircraft dynamics [AGARD-AR-265]
13 p2029 N91-21156
Radio wave propagation modeling, prediction and assessment [AGARD-AG-326]
13 p2070 N91-21404
Application of mesh generation to complex 3-D configurations [AGARD-AR-268]
13 p2081 N91-21464
High G physiological protection training [AGARD-AG-322]
13 p2129 N91-21720
The human factors relating to escape and survival from helicopters ditching in water [AGARD-AG-305(F)]
14 p2190 N91-22099
Special Course on Aircraft Dynamics at High Angles of Attack: Experiments and Modelling [AGARD-R-776]
14 p2191 N91-22104
AGARD guide to aerospace and defence technical report series in NATO countries [AGARD-R-743-REV]
14 p2341 N91-22946
Flying Qualities [AGARD-CP-508]
15 p2369 N91-23108
Hypersonic Combined Cycle Propulsion [AGARD-CP-479]
15 p2375 N91-23147
Human Performance Assessment Methods. Addendum [AGARD-AG-308-ADD]
15 p2476 N91-23711
AGARD highlights 91/1, March 1991 [AGARD-HIGHLIGHTS-91/1]
15 p2542 N91-24084
Electronic Counter-Counter Measures for Avionics Sensors and Communication Systems [AGARD-CP-488]
16 p2614 N91-24472
Analytical Qualification of Aircraft Structures [AGARD-R-772]
16 p2644 N91-24638

AGARD flight test techniques series. Volume 9: Aircraft exterior noise measurement and analysis techniques
[AGARD-AG-300-VOL-9] 16 p2681 N91-24843
Technical evaluation report on the flight mechanics panel symposium on progress in military airlift
[AGARD-AR-300] 17 p2730 N91-25119
Knowledge Based System Applications for Guidance and Control
[AGARD-CP-474] 17 p2731 N91-25121
A study of an integrated image and inertial sensor system 17 p2734 N91-25140
Handling qualities of unstable highly augmented aircraft
[AGARD-AR-279] 17 p2735 N91-25146
AGARD handbook on advanced casting
[AGARD-AG-299] 17 p2764 N91-25302
Ocular Hazards in Flight and Remedial Measures
[AGARD-CP-492] 17 p2824 N91-25602
Mission planning systems for tactical aircraft (pre-flight and in-flight)
[AGARD-AR-296] 17 p2849 N91-25750
Bridging the Communication Gap
[AGARD-CP-487] 17 p2875 N91-25902
A manual on the evaluation of information centers and services
[AGARD-AG-310] 17 p2887 N91-25959
Experimental techniques in the field of low density aerodynamics
[AGARD-AG-318(E)] 18 p2923 N91-26124
Manual on the flight of flexible aircraft in turbulence
[AGARD-AG-317] 18 p2927 N91-26150
Digital signal conditioning for flight test, volume 19
[AGARD-AG-160-VOL-19] 18 p2976 N91-26432
Electromagnetic Interference and Electromagnetic Compatibility
[AGARD-LS-177] 19 p3147 N91-27390
Landing Gear Design Loads
[AGARD-CP-484] 20 p3282 N91-28150
Considerations for NATO satellite communications in the post 2000 era
[AGARD-AG-330] 20 p3334 N91-28465
Use or Reduction of Propagation and Noise Effects in Distributed Military Systems
[AGARD-CP-486] 22 p3658 N91-30362
Low Temperature Environment Operations of Turboengines (Design and User's Problems)
[AGARD-CP-480] 23 p3791 N91-31144
Aerodynamics of combat aircraft controls and of ground effects
[AGARD-AR-271] 24 p3950 N91-32082
Propagation Limitations for Systems Using Band-Spreading
[AGARD-LS-172] 24 p3982 N91-32241
Appraisal of the Suitability of Turbulence Models in Flow Calculations
[AGARD-AR-291] 24 p4014 N91-32443
Motion Sickness: Significance in Aerospace Operations and Prophylaxis
[AGARD-LS-175] 24 p4074 N91-32759

AEDAR CORP., LANDOVER, MD.
Control of helicopter rotorblade aerodynamics
[NASA-CR-4350] 22 p3610 N91-30080

AERITALIA S.P.A., NAPLES (ITALY).
Advanced technology application in the flight deck design for military transport aircrafts 10 p1464 N91-18075
Tethered variable gravity laboratory study: Low gravity process identification report
[NASA-CR-185613] 22 p3625 N91-30168
Tethered gravity laboratories study
[NASA-CR-185656] 22 p3655 N91-30344
Tethered gravity laboratories study
[NASA-CR-185659] 22 p3656 N91-30347
Tethered gravity laboratories study
[NASA-CR-185657] 22 p3656 N91-30348
Tethered gravity laboratories study
[NASA-CR-185658] 22 p3656 N91-30349

AERITALIA S.P.A., POMIGLIANO D'ARCO (ITALY).
Detection of impact damage in composites by holographic interferometry 03 p0329 N91-11834
Holographic interferometry as an inspection technique on aerospace composite structure 03 p0329 N91-11835

AERITALIA S.P.A., TURIN (ITALY).
Protoflight approach to LAGEOS 2 environmental test campaign 07 p0950 N91-15213
Data-based verification control of the tethered satellite 07 p0950 N91-15215
Developmental tests for the CARINA reentry vehicle 07 p0951 N91-15220
Thermal-vacuum test of IRIS grabber mechanism 07 p0953 N91-15241
Combined thermal vacuum/thermal balance test on tethered satellite flight unit 07 p0954 N91-15242
IRIS spin and deployment test 07 p0956 N91-15261
EMC verification approach and facility on Columbus Attached Laboratory 07 p0960 N91-15285
Magnetic cleanliness verification approach on tethered satellite 11 p1662 N91-19158
The Columbus APM centre flexible and efficient engineering support 14 p2214 N91-22233
Flying qualities experience on the AMX aircraft 15 p2370 N91-23112
Path generation and evaluation for a mission planning expert system 17 p2731 N91-25124
Aerodynamic analysis of the flow characteristics of a delta-canard configuration
[ETN-91-99774] 22 p3613 N91-30099
Inviscid calculations by an upwind finite element method of hypersonic flows over a double (simple) ellipse
[ETN-91-99776] 22 p3613 N91-30100
Inviscid calculations by an upwind finite element method of hypersonic flows over a double (single) ellipse
[ETN-91-99777] 22 p3613 N91-30101
Simulation of hypersonic flows on unstructured grids
[ETN-91-99778] 22 p3614 N91-30102
Numerical simulation of viscous turbulent flows past aerospace configurations
[ETN-91-99779] 22 p3614 N91-30103
Comparison of solution of various Euler solvers and one Navier-Stokes solver for the flow about a sharp-edged cropped delta wing
[ETN-91-99508] 22 p3614 N91-30106
Vortical flow simulation by using structured and unstructured grids
[ETN-91-99509] 22 p3614 N91-30107
On-line assistance in flight simulation
[ETN-91-99772] 22 p3624 N91-30164
Tethered gravity laboratories study
[NASA-CR-185660] 22 p3656 N91-30346
Numerical simulation of high speed compressible flows with upwind schemes on adapted unstructured grids
[ETN-91-99771] 22 p3678 N91-30477
Automatic treatment of flight test images using modern tools: SAAB and Aeritalia joint approach
[ETN-91-99773] 22 p3680 N91-30492
Tethered gravity laboratories study
[NASA-CR-185628] 22 p3704 N91-30616
Human engineering activity for the definition of visual avionic systems
[ETN-91-99510] 22 p3721 N91-30710
Inlet edge funnel of a civil aircraft gondola engine
[ETN-91-99775] 23 p3789 N91-31130

AERO AND INDUSTRIAL TECHNOLOGY LTD., BURNLEY (ENGLAND).
Icing test programmes and techniques 23 p3795 N91-31171

AEROCHEM RESEARCH LABS., INC., PRINCETON, NJ.
Computer modeling of soot formation comparing free radical and ionic mechanisms
[AD-A235007] 18 p2949 N91-26273

AERODATA FLUGMESSTECHNIK G.M.B.H., BRUNSWICK (GERMANY, F.R.).
The use of array processors for real time, high frequency turbulence measurements 14 p2289 N91-22660

AERODYNE RESEARCH, INC., BILLERICA, MA.
Experimental support for and analysis of infrared emission data from solid propellant combustion tests
[AD-A226454] 04 p0512 N91-12846
Development of laser spectroscopic diagnostics to support advanced compound semiconductor deposition techniques
[AD-A226057] 04 p0589 N91-13289
Boron combustion model development with kinetic sensitivity analysis and measurement of key chemical rate parameters
[AD-A235309] 18 p2951 N91-26283
Patterned etching of infrared detector arrays
[AD-A236124] 19 p3145 N91-27384

AEROJET ELECTROSYSTEMS CO., AZUSA, CA.
Proceedings of the 12th Annual Meeting of the UIPS Commission on Gravitational Physiology
[AD-A235337] 18 p3031 N91-26732

AEROJET-GENERAL CORP., EL MONTE, CA.
Ada 9X requirements rationale
[AD-A237350] 21 p3555 N91-29755

AEROJET-GENERAL CORP., SACRAMENTO, CA.
Test plan pressure fed thrust chamber technology
[NASA-CR-184083] 09 p1300 N91-17135
User's manual for rocket combustor interactive design (ROCCID) and analysis computer program. Volume 1: User's manual
[NASA-CR-187109] 16 p2567 N91-24230
User's manual for rocket combustor interactive design (ROCCID) and analysis computer program. Volume 2: Appendixes A-K
[NASA-CR-187110] 16 p2568 N91-24231
Space Station auxiliary thrust chamber technology
[NASA-CR-185296] 16 p2580 N91-24300
Development of life prediction capabilities for liquid propellant rocket engines. Post-fire diagnostic system for the SSME system architecture study
[NASA-CR-187112] 18 p2938 N91-26205
Liquid hydrogen turbopump ALS advanced development program. Volume 1: Hot fire unit
[NASA-CR-187035] 19 p3172 N91-27539
Technology transfer methodology 20 p3298 N91-28240
The propulsion system is the key to airline-like operation of ETO vehicles 20 p3300 N91-28256
Business not as usual 20 p3301 N91-28266

AEROJET SOLID PROPULSION CO., SACRAMENTO, CA.
Hybrid Propulsion Technology Program, phase 1. Volume 1: Executive summary
[NASA-CR-183950] 02 p0188 N91-11054
Hybrid Propulsion Technology Program, phase 1. Volume 2: Technical discussion
[NASA-CR-183951] 02 p0189 N91-11055
Solid-liquid staged combustion space boosters 16 p2571 N91-24251
Evolution of an aging program Minuteman Stage 2 solid rocket motor 16 p2576 N91-24275
Flightweight divert propulsion system hot-fire test 16 p2576 N91-24276

AEROJET TECHNICAL SYSTEMS CO., SACRAMENTO, CA.
Engine throat/nozzle optics for plume spectroscopy
[NASA-CR-188118] 14 p2236 N91-22373

AEROJET TECHSYSTEMS CO., SACRAMENTO, CA.
Hybrid Propulsion Technology Program, phase 1. Volume 1: Executive summary
[NASA-CR-183950] 02 p0188 N91-11054
Hybrid Propulsion Technology Program, phase 1. Volume 2: Technical discussion
[NASA-CR-183951] 02 p0189 N91-11055
High temperature oxidation-resistant thruster research
[NASA-CR-185233] 08 p1104 N91-16063
Development of a combustor analytical design methodology for liquid rocket engines 09 p1299 N91-17127
Design considerations for combined air breathing-rocket propulsion systems
[AIAA-90-0098] 15 p2377 N91-23158
ALS liquid hydrogen turbopump: Advanced Development Program
[NASA-CR-183730] 18 p2937 N91-26196
ALS rocket engine combustion devices design and demonstration
[NASA-CR-183824] 21 p3468 N91-29233

AEROMETRICS, INC., MOUNTAIN VIEW, CA.
An experimental investigation of circulation control flow fields using holographic interferometry
[NASA-CR-166482] 13 p2080 N91-21459

AERONAUTICA MACCHI S.P.A., VARESE (ITALY).
Aircraft control system design, synthesis, analysis, and simulation tools at Aermacchi 07 p1044 N91-15729

AERONAUTICAL RADIO, INC., ANNAPOLIS, MD.
Digitized voice trials 24 p3956 N91-32103

AERONAUTICAL RADIO, INC., WASHINGTON, DC.
The FAA/ARINC initial implementation of AMSS 24 p3957 N91-32112
Evaluation of oceanic flight deck workload and error reductions through the use of data communications 24 p3959 N91-32128

AERONAUTICAL RESEARCH INST. OF SWEDEN, BROMMA.
Short crack growth under realistic flight loading: Model predictions and experimental results for Al 2024 and Al-Li 2090 02 p0223 N91-11246
Long time measurements of landing gear loads on SAAB SF-340 commuter aircraft 20 p3284 N91-28157

AERONAUTICAL RESEARCH INST. OF SWEDEN, STOCKHOLM.
Transonic wind tunnel tests on two-dimensional aerofoil sections: Determination of pressure distribution and drag for an aerofoil of type SAAB 7301 in FFA wind tunnel S5
[FFA-TN-1989-47] 05 p0616 N91-13416
FE analyses of aircraft model with interior trim
[FFA-TN-1990-21] 05 p0616 N91-13417
Damage tolerance analysis and testing of the fighter aircraft 37 Viggen
[FFA-TN-1990-35] 05 p0622 N91-13448
On the variation in crack-opening stresses at different locations in a three-dimensional body
[NASA-CR-187722] 05 p0678 N91-13768
Accurate and reliable computation of complete solutions to the equations of linear elastomechanics on three-dimensional domains: Computation of edge stress intensity functions
[FFA-TN-1989-12] 05 p0678 N91-13769
Analysis of shells as 3D-elasticity problems using the p-version of the FE method
[FFA-TN-1990-25] 05 p0678 N91-13770

Accurate and reliable determination of edge and vertex stress intensity factors in three-dimensional elastomechanics
[FFA-TN-1990-28] 05 p0678 N91-13771
Spectrum fatigue testing: A literature survey
[FFA-TN-1990-40] 05 p0678 N91-13772
Airfoil design for variable RPM horizontal axis wind turbines
[FFA-TN-1990-02] 05 p0684 N91-13801
Transverse compressive behaviour of carbon-epoxy laminates and its influence on contact laws
[FFA-TN-1990-26] 07 p0971 N91-15331
Pilot study of the dynamic impact response of a composite plate
[FFA-TN-1990-27] 08 p1106 N91-16070
Environmental noise from the Naesudden (Sweden) and Maglarp (Sweden) prototype wind turbines: A study of machinery noise
[FFA-TN-1990-34] 08 p1218 N91-16706
Some control problems with broad range variable speed for horizontal axis wind turbines
[FFA-TN-1990-37] 11 p1728 N91-19513
Low speed wind tunnel investigation of propeller slipstream aerodynamic effects on different nacelle/wing combinations. Part 2: Propeller slipstream flow field surveys (velocity components, dynamic, total and static pressure distributions) at zero angle of attack and high power
[FFA-TN-1990-24-PT-2] 13 p2019 N91-21109
MATGRID, a program for generation of C-H and C-O topology grids around wing/body configurations: User's guide
[FFA-TN-1991-03] 13 p2019 N91-21110
On the mapping properties of boundary integral operators for Navier-Stokes like equations
[FFA-TN-1989-41] 13 p2081 N91-21467
Existence and uniqueness results for problems arising in connection with the incompressible Navier-Stokes equations
[FFA-TN-1989-43] 13 p2081 N91-21468
Some treatments on boundary conditions for quasi one-dimensional Euler equations
[FFA-TN-1990-36] 13 p2081 N91-21469
Contributions to the analysis of the DCB-specimen
[FFA-TN-1990-22] 13 p2101 N91-21567
Stability analysis of a fuselage side
[FFA-TN-1990-32] 13 p2102 N91-21568
Application of the p-version FE method to geometrically non-linear problems in three dimensions
[FFA-TN-1990-33] 13 p2102 N91-21569
Mode 1 interlaminar fracture toughness of carbon/PEEK participation in an international round robin program
[FFA-TN-1990-41] 13 p2102 N91-21570
Long time measurements of landing gear loads on SAAB SF-340 commuter aircraft
[FFA-TN-1990-53] 15 p2374 N91-23138
Determination of the deviatoric material response functions for prestrained rubbers
[FFA-TN-1990-29] 15 p2406 N91-23321
A moving boundary algorithm for the solution of contact problems in linear elasticity. Part 1: Basic theory and model examples
[FFA-TN-1991-08-PT-1] 15 p2485 N91-23759
On missing boundary conditions with unsteady incompressible Navier-Stokes flows
[FFA-TN-1990-45] 16 p2623 N91-24526
Methods to enhance the accuracy of finite volume schemes 2
[FFA-147] 18 p2982 N91-26466
MATGRID, a program for generation of C-H and C-O topology grids around wing/body configurations: Installation guide
[FFA-TN-1989-39] 22 p3615 N91-30108
Investigation of speech systems for ground collision warning in military aircraft
[FFA-TN-1991-05] 22 p3616 N91-30119
Theory and computations of the steady state harmonic response of viscoelastic rubber parts
[FFA-TN-1988-34] 22 p3695 N91-30571
Testing laminated Swedish fir in four point bending
[FFA-TN-1991-15] 22 p3695 N91-30572

AERONAUTICAL RESEARCH LABS., MELBOURNE (AUSTRALIA).

Flight testing of two Allison T56 engines modified to the ARL developed low smoke configuration
[ARL-PROP-TM-449] 01 p0011 N91-10064
Proceedings of the 33rd Royal Aeronautical Society Lawrence Hargrave Memorial Lecture on Bridging the Technology Gap
[AD-A227747] 07 p0935 N91-15123
Programmable cockpit-flight dynamic model
[AD-A227748] 07 p0943 N91-15171
Programmable cockpit-head-up display and outside view
[AD-A227751] 07 p0943 N91-15172
Flight flutter test techniques at ARL
[AD-A227754] 07 p0945 N91-15178
The detection of seeded faults in an epicyclic gearbox by signal averaging of the vibration
[ARL-PROP-R-183] 07 p1013 N91-15560
Use of photogrammetry to measure a plate vibration mode
[AD-A227753] 07 p1015 N91-15572
Vibration of a rectangular cantilever plate
[AD-A227755] 07 p1015 N91-15573
IFDIS: An expert system for diagnosis of failures in jet aircraft engines
[AD-A227757] 08 p1097 N91-16020
Design and preliminary development of an engine for small unmanned air vehicles
[ARL-PROP-R-184] 10 p1472 N91-18110
Ensuring the integrity and veracity of an interactive fault diagnosis and isolation system for a gas turbine engine
[AD-A230724] 12 p1908 N91-20497
A FORTRAN program for processing low speed wind tunnel test data for the JINDIVIK auxiliary intake
[AD-A230726] 12 p1958 N91-20770
Fatigue testing of the MK3 mod0 2000 lb bail lugs: Test report
[AD-A230858] 14 p2193 N91-22114
Aerothermodynamic design appraisal of noise suppressors for F/A-18 engine run-up facilities at RAAF Williamtown
[ARL-PROP-R-177] 14 p2198 N91-22136
Water tunnel flow visualisation of vortex breakdown over the F/A-18
[ARL-FLIGHT-MECH-R-179] 14 p2262 N91-22511
Examination of the microstructure of 7050 aluminum alloy samples
[AD-A232544] 15 p2403 N91-23306
A demonstration of an aircraft navigator's moving map display
[AD-A236833] 19 p3104 N91-27148
A review of Australian and New Zealand investigations on aeronautical fatigue during the period April 1989 to March 1991
[AD-A236016] 19 p3104 N91-27152
F-111C flight data reduction and analysis procedures
[AD-A236025] 19 p3105 N91-27153
Programmable cockpit: Inter-computer communications and data flow
[AD-A236028] 19 p3105 N91-27154
A FORTRAN program for spectral analysis using the fast Fourier transform
[AD-A236848] 19 p3231 N91-27861
An improved method of investigation of compressor blade fit using holographic interferometry
[AD-A238182] 21 p3459 N91-29185
A computer program for prediction of internal performance of a ramrocket
[AD-A238179] 21 p3467 N91-29226
F/A-18 1/9th scale model tail buffet measurements
[ARL-FLIGHT-MECH-R-188] 22 p3622 N91-30149
Ion Vapour Deposited (IVD) aluminum coatings for the corrosion protection of high strength steel
[ARL-MAT-R-123] 22 p3655 N91-30341
An investigation of vibration signal averaging of individual components in an epicyclic gearbox
[ARL-PROP-R-185] 22 p3688 N91-30534
Field evaluation of six protective coatings applied to T56 turbine blades after 500 hours of engine use
[ARL-MAT-TM-405] 23 p3797 N91-31179
Variations in the static properties, unnotched and notched fatigue life behaviour of 13 batches of 2L.65 aluminium alloy extruded bar
[ARL-STRUC-R-427] 23 p3884 N91-31676
Time-frequency domain analysis of helicopter transmission vibration
[ARL-PROP-R-180] 24 p3963 N91-32146

AERONAUTICAL SYSTEMS DIV., WRIGHT-PATTERSON AFB, OH.

The study approach and perceived needs for an advanced theater transport 10 p1463 N91-18068
C-17 piloted cockpit testing 10 p1464 N91-18076
Do civil flying qualities requirements address military missions for off-the-shelf procurement 15 p2370 N91-23115
KC-135 ground collision avoidance system questionnaire
[AD-A234385] 18 p2923 N91-26125
Evaluation of the C/EC/KC-135 Ground Collision Avoidance System (GCAS), study 1
[AD-A235301] 18 p2924 N91-26130
A look at digital nose wheel steering
[AD-A233944] 18 p2924 N91-26131
Results of the aeronautical systems division critical process team on integrated product development
[AD-A235419] 18 p3075 N91-26995
Application of the Air Force guide specification 87221A to ground loads 20 p3283 N91-28152
Calculation of Gallium-metal-Arsenic phase diagrams 22 p3633 N91-30214

AEROPLANE AND ARMAMENT EXPERIMENTAL ESTABLISHMENT, BOSCOMBE DOWN (ENGLAND).

Problems in converting civil aircraft to the military tanker role 10 p1466 N91-18087

AEROSPACE CORP., EL SEGUNDO, CA.

Photochemical spacecraft self-contamination: Laboratory results and systems impacts
[AD-A226488] 04 p0493 N91-12739
The variation of the plasma sheet polytropic index along the midnight meridian in a finite width magnetotail
[AD-A225948] 04 p0547 N91-13034
A sunspot maximum prediction using a neural network
[AD-A225866] 04 p0610 N91-13392
Conversion of alkoxide solutions to oxides: Evaporation of products
[AD-A226927] 06 p0805 N91-14442
Procedures for the preparation of samples for cross-sectional transmission electron microscopy
[AD-A227013] 06 p0805 N91-14444
The effectiveness and cost benefits of satellite enviromental acceptance tests 07 p0951 N91-15221
Solar cycle effects on the near-earth plasmas and space systems
[AD-A226870] 07 p1028 N91-15643
Solar cycle effects on the near-Earth space systems
[AD-A228037] 07 p1086 N91-15972
Threshold voltage and I-V characteristics of AlGaAs/GaAs MODFETs
[AD-A228844] 08 p1135 N91-16248
Effects of neutron fluence on the operating characteristics of diode lasers used in atomic frequency standards
[AD-A226763] 08 p1153 N91-16352
Optimization of hydrogen consumption in hydrogen masers
[AD-A227267] 08 p1154 N91-16355
Direct observation of NF(X) using laser-induced fluorescence: Kinetics of the NF 3 Sigma - ground state
[AD-A228294] 08 p1155 N91-16362
The magnetospheric response to 8-minute period strong-amplitude upstream pressure variations
[AD-A228038] 08 p1179 N91-16489
TEM lattice imaging of the nanostructure of early-growth sputter-deposited MoS2 solid lubricant films
[AD-A228943] 09 p1411 N91-17765
Microphase-separation interpretation of the covariation of several polyurethane dielectric properties
[AD-A230221] 12 p1873 N91-20295
Degenerate four-wave mixing of CW HF laser beams in HF absorption cell
[AD-A230183] 12 p1903 N91-20468
BiF/NF2 kinetics studies. Mechansim and conversion efficiency
[AD-A230222] 12 p1903 N91-20469
Multi-mode random response analysis procedure
[AD-A230457] 12 p1914 N91-20527
The role of acceptor density on the high channel carrier density I-V characteristics of AlGaAs/GaAs MODFETs
[AD-A229953] 12 p1985 N91-20925
Quality function deployment in launch operations
[AD-A230983] 13 p2033 N91-21178
Tribological performance and deformation of sputter-deposited MoS2 solid lubricant films during sliding wear and indentation contact
[AD-A231003] 13 p2098 N91-21547
Transverse flow gas lens
[AD-A231366] 13 p2155 N91-21878
Subthreshold I-V characteristics of AlGaAs/GaAs MODFETs: The role of unintentional acceptors
[AD-A230110] 13 p2159 N91-21904
Ultrasonic evaluation of SRMU bondlines
[AD-A231697] 14 p2236 N91-22369
Neutron degradation of the I-V characteristics of AlGaAs/GaAs modulation-doped field effect transistors
[AD-A231696] 14 p2330 N91-22876
Double-crystal x ray diffraction studies of Si ion-implanted laser-annealed GaAs
[AD-A232006] 14 p2332 N91-22882
An efficient, intelligent solution for viscous flows inside solid rocket motors 16 p2569 N91-24238
An advanced, low-cost engine for high-thrust applications 16 p2570 N91-24241
Slag estimation for solid rocket motors 16 p2572 N91-24254
A linearized theory for unsteady flow along vane-formed fillets driven by surface tension 16 p2574 N91-24264
Space environmental effects on silvered Teflon thermal control surfaces 16 p2715 N91-25031
Long Duration Exposure Facility experiment M0003 deintegration/findings and impacts 16 p2718 N91-25046
Long Duration Exposure Facility experiment M0003 deintegration observations 16 p2718 N91-25047

Experiment M0003-10: Advanced composites
16 p2718 N91-25049
Geodetic positioning of the Aerospace Electronics Research Lab (ERL) Osborne Time Transfer Receiver (TTR) using the GPS NAVSTAR Block I satellites
17 p2853 N91-25773
Pressure distribution and induced force field on a conical nozzle due to impingement of a normal jet into the supersonic cross-flow
[AD-A233981] 18 p2921 N91-26115
TRACE trajectory analysis and orbit determination program. Volume 13: Square root information filtering and smoothing
[AD-A234957] 18 p2933 N91-26183
Lifetimes and failure mechanisms of W/Re hairpin filaments
[AD-A235199] 18 p2955 N91-26305
Application of a conjugate gradient method to the synthesis of phase-only planar arrays
[AD-A233756] 18 p2973 N91-26415
Resonant photoelectron spectroscopy at the Mo 4p yields 4d absorption edge in MoS2
[AD-A235469] 19 p3123 N91-27251
The stability of a precessing vehicle with outflow
[AD-A235957] 19 p3163 N91-27492
User-defined data types in the State Delta Verification System (SDVS)
[AD-A236077] 19 p3227 N91-27837
Time-resolved mass and energy analysis
[AD-A235938] 19 p3244 N91-27941
Slag and thermal environment of a spinning rocket motor
[AD-A238557] 21 p3467 N91-29227
The language for DENOTE (Denotational Semantics Translation Environment)
[AD-A237144] 21 p3554 N91-29750
The use of solid ceramic and ceramic hard-coated components to prolong the performance of perfluoropolyalkylether lubricants
[AD-A229296] 22 p3652 N91-30327
Direct observation of NF(X) using laser induced fluorescence: Determination of H + NF2 branching ratio
[AD-A229444] 22 p3752 N91-30913
Sensitivity of imaging materials to electron beam irradiation
[AD-A239365] 23 p3874 N91-31612
Garment selection for cleanrooms and controlled environments for spacecraft
[AD-A239512] 23 p3906 N91-31805
The effects of platinum on nickel electrodes in the nickel hydrogen cell 24 p4036 N91-32554

AEROSPACE CORP., LOS ANGELES, CA.
High spatial-resolution IRAS images of M51
05 p0756 N91-14207
LWIR detector requirements for low-background space applications 06 p0793 N91-14382
Characteristics of AlGaAs/GaAs multiple quantum well infrared detectors 06 p0795 N91-14394
IR emission and UV extinction in two open clusters
06 p0892 N91-14929
Si3N4 emissivity and the unidentified infrared bands
06 p0893 N91-14935
Observational constraints on interstellar dust models
06 p0904 N91-14996
The 10 micron spectral structure in comets
06 p0906 N91-15004
Heavy-Ion-Induced snapback in CMOS devices
[AD-A226765] 07 p1072 N91-15899
Strategy in space flight experiments
11 p1673 N91-19220
Silicates and variability in comets Okazaki-Levy-Rudenko (1989r) and Austin (1989c1)
12 p2004 N91-21031
Overview of survivability tradeoffs for selected ECCM waveforms 16 p2615 N91-24476
Concatenated coding with two levels of interleaving
16 p2615 N91-24477
Performance of MILSATCOM adaptive antenna systems in pulse jammer environments 16 p2616 N91-24481
Performance tradeoff of MILSATCOM adaptive multibeam antennas 16 p2616 N91-24482
Long-term microwave power drift of a cesium frequency standard and its effect on output frequency
17 p2852 N91-25770
Frequency shifts in a rubidium frequency standard due to coupling to another standard
17 p2854 N91-25778
GPS composite clock software performance
17 p2858 N91-25801
The advanced solar cell orbital test
22 p3638 N91-30247
Step voltage analysis for the catenoid lightning protection system 24 p4050 N91-32623

AEROSPACE ENGINEERING AND RESEARCH ASSOCIATES, INC., LANDOVER, MD.
Automatic Dependent Surveillance (ADS) Program summary 24 p3954 N91-32094

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC., WASHINGTON, DC.
Maintaining technical excellence requires a national plan 20 p3291 N91-28196

AEROSPACE MEDICAL DIV., BROOKS AFB, TX.
Human centrifuges in research and training
[AD-A236267] 19 p3108 N91-27171

AEROSPACE MEDICAL DIV. AEROSPACE MEDICAL RESEARCH LABS. (6570TH), WRIGHT-PATTERSON AFB, OH.
Neural network based human performance modeling
[AD-A229822] 12 p1931 N91-20626

AEROSPACE MEDICAL RESEARCH LABS., WRIGHT-PATTERSON AFB, OH.
Impact on women: A retrospective look at impact acceleration testing at the Harry G. Armstrong Aerospace Medical Research Laboratory 02 p0247 N91-11378
Current status of an artificial intelligence-based loss of consciousness monitoring system for advanced fighter aircraft 08 p1193 N91-16556
BASEOPS default profiles for transient military aircraft
[AD-A229184] 09 p1277 N91-17019
Optical test of the space shuttle overhead windows
[AD-A229919] 12 p1852 N91-20178
Subjective responses to positive pressure breathing under sustained high-G using the combat edge system
[AD-A230019] 12 p1928 N91-20610
A spatial disorientation predictor device to enhance pilot situational awareness regarding aircraft attitude
12 p1947 N91-20710
Localization performance with synthesized directional audio
[AD-A230316] 12 p1975 N91-20864
Force-reflecting interfaces to Telemanipulators Testing system (FITTS) interim user's guide
[AD-A231484] 14 p2271 N91-22563
Quantifying performance degradation due to the human-machine interface of telemanipulators
[AD-A232814] 15 p2478 N91-23723
A Motion Activated Articulating Seat (MAAS): A dynamic concept for cockpit seat design in high performance aircraft
[AD-A231698] 16 p2664 N91-24738
Effect of aircraft cabin altitude and humidity on oxygen tension under soft and hard gas-permeable contact lenses 17 p2826 N91-25614
Intelligibility of digital speech masked by noise: Normal hearing and hearing impaired listeners
[AD-A234852] 18 p2975 N91-26427
An advanced knowledge and design acquisition methodology: Application for the pilot's associate
[AD-A233700] 18 p3034 N91-26748

AEROSPATIALE, CANNES (FRANCE).
A ground based expert system for Hermes orbital operations planning 14 p2213 N91-22227
SATEXPERT: An expert systems network for automatic spacecraft control 14 p2217 N91-22252
Communication and broadcasting satellites payload reconfiguration technologies
[REPT-911-440-102] 15 p2388 N91-23218
Conference on Space Technology: Satellite Application Development
[REPT-911-440-103] 15 p2388 N91-23219
A new generation of radiators
[REPT-911-440-105] 15 p2388 N91-23220
Reactive procedure based decision making for satellite control
[REPT-911-440-106] 15 p2389 N91-23221
Design rules and system testing methods
[REPT-911-440-107] 15 p2389 N91-23222
The Eutelsat 2 programme
[REPT-911-440-108] 15 p2389 N91-23223
Predictions and verification of ESD tests made with sphere injections on a flight representative telecommunication satellite: ARABSAT STM
[REPT-911-440-109] 15 p2389 N91-23224
ISOCAM: The ISO's satellite infra-red camera
[REPT-911-440-104] 15 p2431 N91-23468
Medium Resolution Imaging Spectrometer (MERIS)
15 p2455 N91-23608
Remote sensing performances
[REPT-911-440-101] 15 p2457 N91-23615
Effects of ultravacuum and space environment on contact ohmic resistance (AO 138-11)
16 p2724 N91-25090
Microwelding of various metallic materials under ultravacuum (AO 138-10) 16 p2725 N91-25091
Preparing electronics quality for the next century
24 p4003 N91-32382

AEROSPATIALE, CHATILLON (FRANCE).
Some trends in missile aerodynamics
06 p0772 N91-14279
Supersonic vortex flows around a missile body: Basic experiment and Euler numerical computation
06 p0774 N91-14291
Pyrotechnical safety of Aerospatiale tactical missiles: Application to conventional warhead
[REPT-911-320-101] 15 p2374 N91-23139

AEROSPATIALE, LES MUREAUX (FRANCE).
Effect of space environment on composite materials and thermal coatings (AO 138-9) 16 p2719 N91-25054

AEROSPATIALE, MARIGNANE (FRANCE).
Algorithms development methodology for performance-optimized multicyclic rotor commands
07 p1042 N91-15716
Rotor and blade aerodynamic design
10 p1460 N91-18051

AEROSPATIALE, SURESNES (FRANCE).
The evolution of regional air traffic
03 p0306 N91-11721
Comparison between human and automatic translations (quality, costs, and processing time)
04 p0604 N91-13361
Proceedings of a French-Japanese Seminar on Composite Materials: Processing, Use and Databases
14 p2238 N91-22380
Possible recommendations to ministries and other authorities based on the foregoing papers
17 p2877 N91-25913
Relation between fiber proportion and mechanical characteristics of carbon-resin composites
[RE-50-345/F] 23 p3806 N91-31231
Influence of adhesive polymerization conditions on the durability of adhesive joints
[DCR/I-03357-90] 23 p3819 N91-31305

AEROSPATIALE, TOULOUSE (FRANCE).
Towards a single certification action within Europe
03 p0307 N91-11711
ATR 72: The first civil aircraft with a carbon fibre reinforced plastic wing 03 p0307 N91-11714
Choice of propulsion for next generation aircraft
03 p0309 N91-11732
Civil applications trends 04 p0482 N91-12684
Problems encountered with the use of computer assisted translation in a technical publications production environment 04 p0603 N91-13356
Application of new technologies in the design of the cockpit in future military transport aircraft
10 p1464 N91-18074
Hypersonic numerical simulation: Problems and perspectives. Hypersonic vehicles and numerical simulation in structural analysis
[REPT-911-111-106] 15 p2366 N91-23091
Integration of propulsive systems: Selection and compromise
[REPT-911-111-101] 15 p2382 N91-23187
The certification of the aircraft integrated propulsive system
[REPT-911-111-102] 15 p2383 N91-23188
The electrical flight control system of A320 Airbus: A fault tolerant system
[REPT-911-111-103] 15 p2383 N91-23192
Satellite utilization by civil aviation
[REPT-911-111-105] 15 p2388 N91-23216
Observatory of new materials. Evolution perspectives for the materials used in civil transportation aircraft
[REPT-911-111-107] 15 p2394 N91-23248
Noise inside aircraft fuselages subjected to airborne excitations
[REPT-911-111-104] 15 p2501 N91-23853
Validation of in-house and external software systems at Aerospatiale 16 p2645 N91-24640

AEROSPATIALE AQUITAINE, SAINT-MEDARD EN JALLES (FRANCE).
Structural materials for space mirrors
03 p0327 N91-11818
Oxidation resistant carbon/carbon materials
03 p0328 N91-11824
Fiber-reinforced glass-ceramic matrix composites: New class materials for space applications
03 p0328 N91-11828
Nondestructive inspection for carbon-carbon with adapted coating for oxidation 03 p0329 N91-11838
New developments in composites for space applications 03 p0331 N91-11850
Wound helium pressurant tank development for 2nd stage of Ariane 4 launcher 03 p0331 N91-11853
How to know CMC... 03 p0333 N91-11865
SIMOUN: New test methods for development work on the Hermes thermal protection systems
03 p0334 N91-11873
Experimentation facilities for thermomechanical static tests with analytic test specimens at Aerospatiale
[REPT-911-430-108] 15 p2385 N91-23197
SIMOUN: A high temperature and low pressure testing facility for material characterization
[REPT-911-430-121] 15 p2387 N91-23208

SIMOUN: A new test appliance for the development of Hermes thermal protections
[REPT-911-430-129] 15 p2387 N91-23209
Aerocoat thermal protections
[REPT-911-430-102] 15 p2388 N91-23217
Carbon-carbon material with oxidation protection
[REPT-911-430-103] 15 p2394 N91-23249
New developments in composites for space applications
[REPT-911-430-104] 15 p2394 N91-23250
Oxidation resistant carbon/carbon materials
[REPT-911-430-105] 15 p2394 N91-23251
Nondestructive inspection for carbon-carbon with adapted coating for oxidation
[REPT-911-430-106] 15 p2394 N91-23252
Fiber-reinforced glass-ceramic matrix composites: New class of materials for space applications
[REPT-911-430-107] 15 p2394 N91-23253
Thermostructural composites: Recent evolutions and improvements
[REPT-911-430-109] 15 p2394 N91-23254
Nondestructive measurement of thickness and density of composite materials by Compton backscattering
[REPT-911-430-112] 15 p2394 N91-23255
Mechanical characterisation of fibre-matrix interface in ceramic composites by an instrumented indentation test
[REPT-911-430-114] 15 p2395 N91-23256
Carbon/carbon inox thermostructural composites: Mechanical and tectonic behavior of anti-oxidation protection
[REPT-911-430-115] 15 p2395 N91-23257
Materials and structure for Hermes
[REPT-911-430-117] 15 p2395 N91-23258
High temperature composites in space planes and missiles development
[REPT-911-430-119] 15 p2395 N91-23259
Ceramics in aerospace
[REPT-911-430-127] 15 p2395 N91-23260
Structural materials for space mirrors
[REPT-911-430-128] 15 p2395 N91-23261
How to know CMC
[REPT-911-430-130] 15 p2395 N91-23262
ACLICO: A computer aided design system for bonded joints
[REPT-911-430-101] 15 p2485 N91-23757
Presentation of a computer program for analysing results of one shot device sensitivity tests: Application to the case of a one shot degenerated sequence
[REPT-911-430-126] 15 p2485 N91-23758
Plasma torches dimensioning and optimization
[REPT-911-430-111] 15 p2513 N91-23926
Aerospatiale industrial thermal plasmas
[REPT-911-430-113] 15 p2513 N91-23927
Aerospatiale industrial thermal plasma activities
[REPT-911-430-122] 15 p2513 N91-23928
Plasma on a foundry cupola
[REPT-911-430-125] 15 p2513 N91-23929
Eureca 1 AMF 117 experiment: An analysis of thermal and solutal transfer during the crystal growth of CdTe by the THM process
[REPT-911-430-118] 15 p2516 N91-23947
Eureca 1 AMF 117 experience: Thermal and solutal transfer analysis for CdTe in tellurium during crystal growth by the THM method
[REPT-911-430-120] 15 p2517 N91-23948
Nondestructive testing of composite structures by x ray tomography
[REPT-911-430-110] 16 p2589 N91-24347
Examination of the removal of a high module wire placed on a deformable mandrel
[REPT-911-430-116] 16 p2589 N91-24348
Plasma torches at blast furnace: Four years of industrial experience in France
[REPT-911-430-124] 16 p2692 N91-24901
Waste destruction by plasma
[REPT-911-430-123] 17 p2865 N91-25842

AEROSTRUCTURES, INC., ARLINGTON, VA.
Piezoelectrically forced vibrations of electroded doubly rotated quartz plates by state space method
01 p0054 N91-10318

AGENCY OF INDUSTRIAL SCIENCE AND TECHNOLOGY, TSUKUBA (JAPAN).
A study on prediction of life due to creep behavior in CF/EPOXY and CF/PEEK laminates
11 p1674 N91-19226
Tension-tension and delamination fatigue properties of CF/Epoxy laminates 12 p1861 N91-20227

AGL PETROLEUM LTD., BRISBANE (AUSTRALIA).
Mereenie Oil and Gas Field, Amadeus Basin, Northern Territory 19 p3198 N91-27677

AGRICULTURAL RESEARCH SERVICE, BELTSVILLE, MD.
Effects of soil and canopy characteristics on microwave backscattering of vegetation
[NASA-CR-188022] 11 p1725 N91-19497

AICHI UNIV. OF EDUCATION (JAPAN).
Self-similar evolution of nonlinear magnetic buoyancy instability 20 p3411 N91-28913

AIR FORCE ACADEMY, CO.
Computer programming and group theory
[AD-A225155] 03 p0401 N91-12228
An experimental investigation into the use of hot-film anemometry to measure vortical velocity behind a pitching wing
[AD-A227177] 06 p0778 N91-14313
Chemiluminescent reactions of group 6 atoms (O(P-3)) and Se(P-3) with azide radicals
[AD-A226872] 07 p0975 N91-15351
Experimental response functions and response matrices for 2.54-cm x 2.54 cm and 7.62 cm x 7.62 cm bismuth germanate scintillation detectors
[AD-A230140] 13 p2087 N91-21486
Antenna and backscattering patterns of reflectors that are partially resistive
[AD-A231825] 14 p2257 N91-22481
Feedback control formulations for a complex flexible structure utilizing reaction mass actuators
[AD-A233636] 16 p2676 N91-24814
MOPAC manual. Sixth edition. A general molecular orbital package
[AD-A233489] 16 p2683 N91-24856
The United States Air Force Academy: A bibliography, 1983-1989
[AD-A236561] 19 p3278 N91-28130
Methods of astrodynamics, a computer approach
[AD-A239662] 23 p3915 N91-31861

AIR FORCE AERO PROPULSION LAB., WRIGHT-PATTERSON AFB, OH.
Premixed, turbulent combustion of axisymmetric sudden expansion flows 16 p2579 N91-24294
Experiment M0003-4: Advanced solar cell and coverglass analysis, an overview
16 p2720 N91-25060
High current pulse testing for ground rod integrity
24 p4070 N91-32737

AIR FORCE ARMAMENT LAB., EGLIN AFB, FL.
Infrared material property measurements with polarimetry and spectropolarimetry
[AD-A224940] 03 p0337 N91-11890

AIR FORCE ASTRONAUTICS LAB., EDWARDS AFB, CA.
Laser and Fourier transform spectroscopy of novel propellant molecules
[AD-A225503] 07 p0986 N91-15414
Solid propellant temperature profiles obtained through embedded microthermocouples
[AD-A229975] 12 p1877 N91-20318
A system level analysis of the ammonia arcjet
16 p2572 N91-24255
Analysis of expendable solar electric orbit transfer vehicles 16 p2575 N91-24272
Nozzle vector angle determination using a laser measurement system 16 p2575 N91-24274
Solid rocket propulsion applications for advanced polymers 16 p2576 N91-24279
Simulating the vortex in a spinning rocket
[AD-A236345] 19 p3101 N91-27136

AIR FORCE AVIONICS LAB., WRIGHT-PATTERSON AFB, OH.
Space systems propulsion technology
20 p3293 N91-28209

AIR FORCE ENGINEERING AND SERVICES CENTER, TYNDALL AFB, FL.
A controlled-environment chamber for atmospheric chemistry studies using FT-IR spectroscopy
[AD-A227532] 07 p0946 N91-15185

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER, SCOTT AFB, IL.
Wet-bulb globe temperature: A global climatology
[AD-A229028] 09 p1368 N91-17519
Range reference atmosphere, Nellis
[AD-A231926] 14 p2286 N91-22641
Range reference atmosphere Wake Island
[AD-A231715] 14 p2288 N91-22651
Effective sunspot number (SSNi) comparison study
[AD-A231651] 14 p2353 N91-23015
A smoothing algorithm for upper-air soundings
[AD-A232853] 15 p2465 N91-23661
SWANEA (Southwest Asia-Northeast Africa): A climatological study. Volume 2: The Middle East Peninsula
[AD-A232776] 15 p2470 N91-23684
Range reference atmosphere, Shemya
[AD-A232813] 15 p2470 N91-23685
Range reference atmosphere, Thule
[AD-A232831] 15 p2470 N91-23686
Temperature climatology for 128 Navy installations in the CONUS and Hawaii
[AD-A232993] 16 p2659 N91-24712
Surface observation climatic summaries for Reese AFB, Texas
[AD-A233008] 16 p2659 N91-24713
HIRAS USAFETAC Climatic Database Users Handbook Number 5, revision
[AD-A233023] 16 p2659 N91-24714
MISAWA snow accumulation study
[AD-A233113] 16 p2660 N91-24716
Glossary of AWS acrinabs: Acronyms, initialisms, and abbreviations commonly used in air weather service
[AD-A233009] 16 p2699 N91-24947
Surface Observation Climatic Summaries (SOCS) for Kodiak, Alaska
[AD-A235182] 18 p3015 N91-26646
Surface observation climatic summaries for Norton AFB, California
[AD-A235227] 18 p3015 N91-26647
Surface observation climatic summaries for Tonopah test range, Nevada
[AD-A235228] 18 p3015 N91-26648

AIR FORCE FLIGHT DYNAMICS LAB., WRIGHT-PATTERSON AFB, OH.
Achievable space elevators for space transportation and starship acceleration 14 p2202 N91-22162
MIL-STD-1797 is not a cookbook
15 p2369 N91-23111
The effects on aerodynamic performance of designing supersonic wings for laminar flow control
[AD-A233040] 16 p2559 N91-24197
Proceedings of the 4th NASA/DOD Control/Structures Interaction Technology Conference
[AD-A235843] 22 p3622 N91-30148
URV multiprocessor control system and ground station controller software design
[AD-A237532] 22 p3741 N91-30841

AIR FORCE GEOPHYSICS LAB., HANSCOM AFB, MA.
Recovery of images from the AMOS ELSI data for STS-33
[AD-A225653] 04 p0490 N91-12723
The AIS: A spectrograph/imager ensemble for space flight
[AD-A227009] 06 p0799 N91-14413
Mesoscale features of a winter storm: Dual Doppler velocity fields and differential reflectivity
[AD-A227342] 06 p0850 N91-14692
Proceedings of the 9th Annual DARPA/AFGL Seismic Research Symposium
[AD-A229025] 09 p1365 N91-17500
Proceedings of the 11th Annual DARPA/AFGL Seismic Research symposium
[AD-A229228] 09 p1365 N91-17503
Modeling the variation of cloud cover with view angle using space shuttle cloud imagery
[AD-A227895] 09 p1367 N91-17513
Double layers in contactor plasmas
09 p1403 N91-17723
High power HF modification: Geophysics
10 p1546 N91-18508
Artificial Ionospheric Mirrors (AIM). A: Concept and issues 10 p1550 N91-18525
Plasma density modifications by means of pulsed beam CIV in the ionosphere 10 p1551 N91-18530
Ionospheric heating for radiation belt control
10 p1552 N91-18538
Investigation of the prediction of lightning strikes using neural networks
[AD-A229042] 10 p1556 N91-18555
WADOCT: An atmospheric dispersion model for complex terrain
[AD-A229920] 12 p1921 N91-20570
Proceedings of the 8th Annual DARPA/AFGL Seismic Research Symposium
[AD-A230519] 12 p1923 N91-20582
Photometric analysis of a space shuttle water venting
12 p1950 N91-20726
The hemispheric eighth mesh terrain elevation and geography data sets
[AD-A231592] 13 p2111 N91-21624
Power spectra of internal gravity waves
[AD-A231596] 13 p2118 N91-21659
Automated cloud typing using satellite imagery
[AD-A231419] 14 p2288 N91-22650
Laboratory study of the thermochemical properties of materials used in spacecraft
[AD-A232124] 15 p2390 N91-23228
Auroral boundary index from 1983 to 1990
[AD-A232845] 15 p2465 N91-23660
Patterns of discoloration and oxidation by direct and scattered fluxes, especially oxygen on silicon
16 p2717 N91-25043
Sounding rocket flight data summary
[AD-A233656] 18 p3011 N91-26626
Data report for the 1988 Ontario-New York-New England seismic refraction experiment: Small-aperture array
[AD-A235845] 19 p3200 N91-27688

Correlations between levels for stellar-scintillometer-derived profiles of Cn sq
[AD-A236927] 19 p3264 N91-28053
Measurement of high-voltage and radiation-damage limitations to advanced solar array performance
22 p3637 N91-30236
Solar-Terrestrial Predictions. Proceedings of a Workshop. Volume 1: Working group reports, review papers and solar papers
[PB91-197079] 22 p3777 N91-31064
Solar-Terrestrial Predictions: Proceedings of a workshop. Volume 2: Geomagnetic and space environment papers and ionosphere papers
[PB91-197087] 22 p3777 N91-31065
A survey of laser lightning rod techniques
24 p4054 N91-32645
Predicting cloud-to-ground lightning with neural networks 24 p4054 N91-32646

AIR FORCE GEOPHYSICS LAB., SUNSPOT, NM.
The variation of solar Fe 14 and Fe 10 flux over 1.5 solar activity cycles 03 p0446 N91-12495

AIR FORCE GLOBAL WEATHER CENTRAL, OFFUTT AFB, NE.
Improved Point Analysis Model (IPAM) (users guide)
[AD-A235305] 18 p3015 N91-26649

AIR FORCE HISTORICAL RESEARCH CENTER, MAXWELL AFB, AL.
Personal papers in the United States Air Force Historical Research Center, 5th edition
[PB91-156380] 18 p3076 N91-26999

AIR FORCE HUMAN RESOURCES LAB., BROOKS AFB, TX.
Comparison of male and female USAF pilot candidates 02 p0245 N91-11362
Designing human-centered systems: Circa 2039 scenario
[AD-A225075] 03 p0397 N91-12207
Predictive validity of an automated personality inventory for Air Force pilot selection
[AD-A226731] 07 p1036 N91-15686
Human factors design guidance during the conceptual design phase of system development: A methodological approach
[AD-A224667] 08 p1192 N91-16552
Design Evaluation for Personnel, Training, and Human factors (DEPTH)
[AD-A224757] 09 p1372 N91-17542
Rose garden promises of intelligent tutoring systems: Blossom or thorn 12 p1944 N91-20695
A conceptual model of the performance of the United States Air Force flight training program
[AD-A230881] 13 p2128 N91-21711
Computer-assisted knowledge acquisition for hypermedia systems 13 p2165 N91-21944

AIR FORCE HUMAN RESOURCES LAB., WILLIAMS AFB, AZ.
Aircrew part-task training research and development in the 1980s: Lessons learned
[AD-A239456] 24 p4077 N91-32773

AIR FORCE HUMAN RESOURCES LAB., WRIGHT-PATTERSON AFB, OH.
The poet revealed: A future for human-centered design
[AD-A226648] 05 p0696 N91-13878
Decision support environment for concurrent engineering requirements
[AD-A230899] 13 p2099 N91-21555

AIR FORCE INST. OF TECH., WRIGHT-PATTERSON AFB, OH.
A monolithic dual-gate MESFET circuit for L-band mixers
[AD-A224686] 04 p0517 N91-12878
Influence of cold exposure on ventilation, respiratory heat loss, and pulmonary deposition/clearance
[AD-A224680] 04 p0551 N91-13054
Aspects of machine translation in the United States Air Force 04 p0604 N91-13358
Optical phase conjugation via stimulated Brillouin scattering in multimode optical fiber
[AD-A227054] 06 p0874 N91-14833
Numerical solutions for a cylindrical laser diffuser flow-field 07 p0935 N91-15127
Damage processes and fracture surface morphology in laminated composites
[AD-A227979] 07 p0972 N91-15338
Properties of the neutral density in the polar lower thermosphere determined by incoherent scatter radar
[AD-A227723] 07 p1029 N91-15645
Cross-equatorial influences of a South American cold surge on the development of two Eastern North Pacific tropical cyclones
[AD-A227643] 07 p1030 N91-15653
Lightning ground strikes analyzed by singularity and fractal techniques. A mesoscale convective complex: Case study
[AD-A227649] 07 p1030 N91-15654
Passive infrared detection of microburst induced low level wind shear
[AD-A227650] 07 p1031 N91-15655
Precipitation rate computations in the tropics by the global heat budget technique from June 1, 1984 - May 31, 1987
[AD-A227729] 07 p1031 N91-15656
Fine scale analysis of the kinematic, dynamic and thermodynamic features of a multiple microburst-producing storm
[AD-A227733] 07 p1031 N91-15657
Low frequency predictability of dynamical extended range forecast experiments
[AD-A227734] 07 p1031 N91-15658
Wave-mean flow interaction in the storm-time thermosphere using a two-dimensional model
[AD-A227978] 07 p1032 N91-15662
The effects of site configuration on a tactile information display for the human head
[AD-A227704] 07 p1037 N91-15687
Short term retention of temporal sequence, spatial location, and item magnitude information
[AD-A227732] 07 p1037 N91-15688
Optimal Kalman filter integration of a global positioning system receiver and an LN-94 inertial navigation system
[AD-A227222] 08 p1094 N91-16003
Electron density comparisons between radar observations and 3-D ionospheric model calculations
[AD-A227703] 08 p1126 N91-16187
Shift-invariant image reconstruction of speckle-degraded images using bispectrum estimation
[AD-A227728] 08 p1126 N91-16188
Monte Carlo simulation of atmospheric neutron transport at high altitudes using MCNP
[AD-A226773] 08 p1176 N91-16474
A comparison of optically measured and radar-derived horizontal neutral winds
[AD-A227690] 08 p1177 N91-16483
Derivation of exospheric temperature at high latitudes from incoherent-scatter radar data
[AD-A227721] 08 p1178 N91-16484
On the developmental dynamics of sudden stratospheric warmings
[AD-A227731] 08 p1178 N91-16485
A two-dimensional balanced model of internal frontogenesis in geostrophic and isentropic coordinates
[AD-A227644] 08 p1185 N91-16518
An investigation of a gravity wave during GALE: February 6, 1986
[AD-A227655] 08 p1185 N91-16519
Prediction of tropical cyclone rapid intensification events
[AD-A227668] 08 p1186 N91-16520
Examples of isallobaric forcing in surface frontal motion and surface frontogenesis over the Central United States
[AD-A227687] 08 p1186 N91-16521
A comparison of diagnostic and kinematic vertical motion fields associated with curved and straight jet streak adjustment processes
[AD-A227724] 08 p1186 N91-16522
Managing emerging technology: Case studies in document imaging systems
[AD-A227688] 08 p1241 N91-16839
Productivity measurement in aircraft maintenance organizations
[AD-A229239] 09 p1271 N91-16989
Microclimates and corrosion: A mathematical model of corrosion for Gando AFB, Spain
[AD-A229242] 09 p1314 N91-17213
An evaluation of voice stress analysis techniques in a simulated AWACS environment
[AD-A228727] 09 p1323 N91-17265
A whole word and number reading machine based on two dimensional low frequency Fourier transforms
[AD-A229036] 09 p1374 N91-17551
Characterization of multilayer perceptrons and their application to multisensor automatic target detection
[AD-A229035] 09 p1393 N91-17664
A comparison of knowledge acquisition techniques used in the development of expert systems
[AD-A229252] 09 p1422 N91-17832
An experimental study of a sting-mounted single-slot circulation control wing
[AD-A229867] 11 p1653 N91-19111
Fluorescent lifetime measurements of rare Earth elements in gallium arsenide
[AD-A229865] 11 p1681 N91-19265
Development of a piezoelectric polymer film pressure transducer for low frequency and dynamic pressure measurement
[AD-A229848] 11 p1709 N91-19412
Modeling and analysis of orthotropic plate with circular cutout and adhesive bonded patch
[AD-A229866] 11 p1724 N91-19496
Computational investigation of circulation control turbulence modeling
[AD-A230440] 12 p1829 N91-20051
Investigation of the high angle of attack dynamics of the F-15B using bifurcation analysis
[AD-A230462] 12 p1829 N91-20053
Brightness invariant port recognition for robotic aircraft refueling
[AD-A230468] 12 p1834 N91-20078
Dynamic analysis of a combat aircraft with control surface failure
[AD-A230517] 12 p1834 N91-20079
Three degrees of freedom compliant motion control for robotic aircraft refueling
[AD-A230581] 12 p1834 N91-20080
An evaluation of an Ada implementation of the Rete algorithm for embedded flight processors
[AD-A230443] 12 p1834 N91-20082
Numerical analysis of an axisymmetric thrust augmenting ejector
[AD-A230555] 12 p1842 N91-20123
Automatic flight control system design for an unmanned research vehicle using discrete quantitative feedback theory
[AD-A230364] 12 p1843 N91-20131
Multi-input multi-output flight control system design for the YF-16 using nonlinear QFT and pilot compensation
[AD-A230465] 12 p1844 N91-20134
Application of influence diagrams in identifying Soviet satellite missions
[AD-A230752] 12 p1850 N91-20171
Realistic orbits about the Martian moons
[AD-A230473] 12 p1851 N91-20172
Analysis of parking orbits for a STS external tank in low Earth orbit
[AD-A230530] 12 p1851 N91-20173
Autonomous navigation of a satellite cluster
[AD-A230683] 12 p1853 N91-20179
Nonlinear analysis of a spinning symmetric satellite in an elliptical orbit
[AD-A230463] 12 p1854 N91-20190
Proposed design of a tactical reconnaissance satellite system
[AD-A230471] 12 p1854 N91-20191
Moving-bank multiple model adaptive estimation and control applied to a large flexible space structure
[AD-A230515] 12 p1855 N91-20192
Model-based reasoning in the detection of satellite anomalies
[AD-A230535] 12 p1855 N91-20193
Investigation of direct and indirect optimization algorithms for aerospace structures
[AD-A230549] 12 p1855 N91-20194
A correlation and forecasting analysis on lost satellites
[AD-A230585] 12 p1855 N91-20195
Development of an image registration technique for polar-orbiting satellites
[AD-A230586] 12 p1855 N91-20196
Measuring the effectiveness of space: Satellite weather systems
[AD-A230590] 12 p1856 N91-20197
Multidisciplinary modeling and design of a space structure
[AD-A230626] 12 p1856 N91-20198
Synthesis of organic compounds (selected articles)
[AD-A229903] 12 p1861 N91-20224
Investigation of fatigue damage mechanisms in a metal matrix composite under elevated temperature
[AD-A230388] 12 p1862 N91-20231
Failure mechanisms in a quasi-isotropic ceramic composite laminate under tensile fatigue loading
[AD-A230470] 12 p1863 N91-20234
Micromechanical modeling of the fiber/matrix interface region in a metal matrix composite
[AD-A230529] 12 p1863 N91-20235
Investigation of damage mechanisms in a cross-ply metal matrix composite under thermo-mechanical loading
[AD-A230544] 12 p1863 N91-20236
Finite element investigation into the dynamic instability characteristics of laminated composite panels
[AD-A230610] 12 p1863 N91-20237
Fractal geometry segmentation of high resolution polarimetric synthetic aperture radar data
[AD-A230428] 12 p1883 N91-20353
The radar range equation for the detection of steady targets in Weibull clutter
[AD-A230441] 12 p1883 N91-20354
Improving reliability in a stochastic communication network
[AD-A230442] 12 p1883 N91-20355
A method of moments solution for the electric currents on an aperture-fed, stacked patch microstrip antenna
[AD-A230466] 12 p1885 N91-20361

Speech coding and compression using wavelets and lateral inhibitory networks
[AD-A230499] 12 p1885 N91-20362
Predicting the performance of airborne antennas in the microwave regime
[AD-A230501] 12 p1885 N91-20363
Radar image processing for the AFIT anechoic chamber
[AD-A230502] 12 p1885 N91-20364
Pulsed compression for aerosol ranging with coherent pulse-Doppler lidar systems
[AD-A230514] 12 p1885 N91-20365
On radar receivers
[AD-A230525] 12 p1885 N91-20366
Electromagnetic scattering from impedance strips and impedance-loaded conducting strips
[AD-A230526] 12 p1886 N91-20367
Establishment of a fabrication and measurement capability for aperture-fed stacked patch microstrip antennas at the Air Force Institute of Technology
[AD-A230531] 12 p1886 N91-20368
Detection of high altitude aircraft wake vortices using infrared Doppler lidar: An assessment
[AD-A230534] 12 p1886 N91-20369
Using error detection and correction coding for a turbulent atmospheric optical communications link
[AD-A230540] 12 p1886 N91-20370
Gabor filters and neural networks for segmentation of synthetic aperture radar imagery
[AD-A230580] 12 p1886 N91-20371
Characterization of radar signals using neural networks
[AD-A230582] 12 p1886 N91-20372
Interference cancellation in RF signals using adaptive array techniques
[AD-A230587] 12 p1887 N91-20373
TE scattering from a dielectric coated conducting strip
[AD-A230612] 12 p1887 N91-20374
Classification of correlation signatures of spread spectrum signals using neural networks
[AD-A230663] 12 p1887 N91-20376
Quantization noise characteristics resulting from Gaussian, negative-exponential, and sinusoidal random input signals
[AD-A230664] 12 p1887 N91-20377
Characterization of an air-to-air optical heterodyne communication system
[AD-A230681] 12 p1888 N91-20378
Rule-based frequency domain speech coding
[AD-A230774] 12 p1888 N91-20382
Evaluation of an interdigitated gate electrode field-effect transistor for detecting organophosphorus compounds
[AD-A230161] 12 p1891 N91-20400
Specification and equivalence verification of sequential circuits via VHDL
[AD-A230554] 12 p1893 N91-20408
Adaptive filtering and smoothing for tracking a hypersonic aircraft from a space platform
[AD-A230603] 12 p1893 N91-20409
Operating characteristics of xenon gas discharges
[AD-A230660] 12 p1893 N91-20411
Design and fabrication of an implantable cortical semiconductor integrated circuit electrode array
[AD-A230676] 12 p1893 N91-20412
A comparison of molecular vibration modeling for thermal nonequilibrium airflow
[AD-A230356] 12 p1896 N91-20426
Skin friction and heat transfer predictions for hypersonic turbulent flow over an ogive-cylinder
[AD-A230496] 12 p1896 N91-20427
Turbulence scales in the passage of a linear turbine cascade
[AD-A230521] 12 p1896 N91-20428
Analysis of hypersonic blunt-body flows using a total variation diminishing scheme and the MacCormack scheme
[AD-A230576] 12 p1897 N91-20429
Effect of riblets on pressure recovery in a straight-walled diffuser
[AD-A230662] 12 p1897 N91-20430
Computer generated holography as a three-dimensional display medium
[AD-A230583] 12 p1901 N91-20458
Characterization of AgGaSe2 and ZnGeP2 for frequency doubling CO2 laser output
[AD-A230354] 12 p1904 N91-20471
Effects of specific heat ratio on a simulated chemical laser cavity flow
[AD-A230459] 12 p1904 N91-20473
Continuous wave and pulsed solid state laser model
[AD-A230513] 12 p1904 N91-20474
A computer model of a CO2 oscillator-amplifier system
[AD-A230597] 12 p1904 N91-20475
An optically pumped molecular bromine laser
[AD-A230677] 12 p1904 N91-20476
Computer model of an injection locked pulsed CO2 laser
[AD-A230680] 12 p1904 N91-20477
A robotic tactile sensor incorporating silicon planar technology: A piezoelectric polyvinylidene fluoride film, and on-chip signal processing
[AD-A230362] 12 p1907 N91-20493
Debris production in hypervelocity impact ASAT engagements
[AD-A230467] 12 p1907 N91-20494
Use of grasp force focus positioning to enhance the torque resistance capability of robotic grasps
[AD-A230518] 12 p1907 N91-20495
Investigation of strain characteristics of graphite polyetherether ketone using a nonlinear analysis and experimental methods
[AD-A230527] 12 p1914 N91-20528
Damping of layered beams with mixed boundary conditions
[AD-A230665] 12 p1914 N91-20530
A comparison of the optimization and analysis of doubly curved shells using MSC/NASTRAN and ASTROS
[AD-A230682] 12 p1914 N91-20531
The use of the LOWTRAN7 atmospheric transmittance and radiance computer program for detection system design and analysis
[AD-A230426] 12 p1923 N91-20579
Estimation of evoked fields using a time-sequenced adaptive filter with the modified P-vector algorithm
[AD-A230474] 12 p1929 N91-20618
Analysis of visual illusions using Gabor filters
[AD-A230678] 12 p1931 N91-20628
A low-cost part-task flight training system: An application of a head mounted display
[AD-A230353] 12 p1933 N91-20635
Real-time flight simulation and the head-mounted display: An inexpensive approach to military pilot training
[AD-A230469] 12 p1934 N91-20640
The AFIT gross motion control project
12 p1936 N91-20650
Automatic determination of recommended test combinations for Ada compilers
[AD-A230461] 12 p1953 N91-20744
A compact optical associative memory using dynamic holographic storage media and photorefractive gain and attenuation elements
[AD-A230661] 12 p1953 N91-20745
The development of a graphical notation for the formal specification of software
[AD-A230458] 12 p1957 N91-20766
Mapping an object-oriented requirements analysis to a design architecture that supports design and component reuse
[AD-A230460] 12 p1957 N91-20767
A hypermedia implementation for reusable software component representation
[AD-A230497] 12 p1958 N91-20768
Feasibility analysis of developing a formal performance model of Ada tasking
[AD-A230746] 12 p1958 N91-20771
Network reduction using error prediction
[AD-A230755] 12 p1958 N91-20772
Model-based 3-D recognition system using Gabor features and neural networks
[AD-A230387] 12 p1964 N91-20809
A biologically-inspired neural network architecture for image processing
[AD-A230495] 12 p1966 N91-20822
H2 and H infinity optimization with a restricted region of stability
[AD-A230596] 12 p1967 N91-20824
Robustness of hardy space with finite 2-norm and herdy space with finite infinity-norm
[AD-A230524] 12 p1971 N91-20840
An evolution operator solution for a nonlinear beam equation
[AD-A230533] 12 p1971 N91-20841
A numerical investigation of the series reversion/inversion and series reversion of Lambert's time function
[AD-A230545] 12 p1971 N91-20843
Modelling and analysis of kernel function and development of equivalent Theodorsen function for three-dimensional aeroelastic analysis
[AD-A230628] 12 p1971 N91-20844
Implementation of the modified Monte Carlo technique using importance sampling on the block oriented system simulator
[AD-A230500] 12 p1973 N91-20856
Energy transfer in singlet oxygen and bromine monofluoride
[AD-A230614] 12 p1977 N91-20874
Angle of arrival detection through artificial neural network analysis of optical fiber intensity patterns
[AD-A230386] 12 p1981 N91-20898
Determination of the optical properties of organic thin films by spectroscopic ellipsometry
[AD-A230427] 12 p1981 N91-20899
Characterization of barium titanate as an optical amplifier
[AD-A230532] 12 p1981 N91-20901
Design of a linear Gaussian control law for an adaptive optics system
[AD-A230547] 12 p1981 N91-20902
Nonlinear interferometry: Optical image addition/subtraction and novelty filters
[AD-A230556] 12 p1981 N91-20903
Optical image segmentation using wavelet filtering techniques
[AD-A230584] 12 p1982 N91-20904
Electron kinetic studies utilizing the solution of the time-dependent collisional Boltzmann equation
[AD-A230753] 12 p1983 N91-20911
Low temperature photoluminescence study of holmium and thulium implanted into 3-5 semiconductors and silicon
[AD-A230424] 12 p1989 N91-20948
Analysis of space radiation effects in gallium arsenide and cadmium selenide semiconductor samples using luminescence spectroscopic techniques
[AD-A230684] 12 p1991 N91-20958
A performance analysis of the USAF work information management system
[AD-A229788] 12 p1994 N91-20979
An empirical evaluation of three knowledge acquisition techniques for developing a project management related expert system
[AD-A230472] 12 p1994 N91-20980
An analysis of the advanced cruise missile system program office engineering change proposal process
[AD-A230557] 12 p1995 N91-20981
An analysis of the Requirements Correlation Matrix (RCM) and Baseline Correlation Matrix (BCM)
[AD-A230630] 12 p1995 N91-20983
Air Force Information Management (IM): A 1990 snapshot and 1995 future look at Air Force IM needs and preferred education/training approaches
[AD-A229695] 12 p1998 N91-20997
An assessment of the problems surrounding the data acquisition process, and possible improvements
[AD-A229787] 12 p1998 N91-20998
Application of a micro computer-based management information system to improve the USAF service reporting process
[AD-A230552] 12 p1998 N91-20999
SQL/NF translator for the Triton nested relational database system
[AD-A230602] 12 p1998 N91-21000
Numerical analysis of critical inclinations about the planet Mars
[AD-A230613] 12 p2007 N91-21049
Minimum orbits about the planet Venus
[AD-A230756] 12 p2007 N91-21050
Bifurcation analysis of the longitudinal dynamics of a simple powered lifting hypersonic vehicle
[AD-A230826] 13 p2021 N91-21118
Vortex bursting over a unit area aspect ratio delta wing using vortex paneling methods
[AD-A231028] 13 p2021 N91-21119
Entry vehicle performance analysis and atmospheric guidance algorithm for precision landing on Mars
[AD-A231585] 13 p2041 N91-21228
Material properties of silicon carbide fibers with continuously applied sol-gel alumina coatings
[AD-A230825] 13 p2046 N91-21256
Impact damage in curved graphite/epoxy panels with clamped edges
[AD-A230853] 13 p2046 N91-21257
Fracture toughness of unidirectional fiber reinforced ceramic composites in Mode 2 utilizing laser interferometry
[AD-A231027] 13 p2046 N91-21258
Transverse cracking in a fiber reinforced ceramic matrix composite
[AD-A231029] 13 p2047 N91-21259
Analysis and testing of a bistatic radar cross section measurement capability for the AFIT anechoic chamber
[AD-A230609] 13 p2070 N91-21401
Speech recognition using Kohonen neural networks, dynamic programming, and multi-feature fusion
[AD-A230951] 13 p2071 N91-21410
An empirical study of combining communicating processes in a parallel discrete event simulation
[AD-A230982] 13 p2072 N91-21412
Application of the finite element method to random rough surface scattering with Neumann boundary conditions
[AD-A231583] 13 p2073 N91-21420
Using the USU ionospheric model to predict radio propagation through a simulated ionosphere
[AD-A231599] 13 p2074 N91-21423

Silicon hybrid Wafer Scale Integration (WSI) used to fabricate a Hilbert transform integrated circuit module
[AD-A230605] 13 p2075 N91-21428

Numerical approximations of the Green's functions for a theoretical model of an aperture fed stacked-patch microstrip antenna
[AD-A230702] 13 p2075 N91-21429

Kalman filter tracking of a reflective target using forward looking infrared measurements and laser illumination
[AD-A231196] 13 p2093 N91-21524

Sinusoidal response of a thin viscoplastic plate with severe temperature gradient
[AD-A230938] 13 p2105 N91-21588

A search for episodic increases in upper atmospheric water vapor as evidence of an extraterrestrial source
[AD-A231598] 13 p2118 N91-21660

Features of the Raleigh tornadic storm based on analysis of damage
[AD-A231601] 13 p2123 N91-21684

A linear quadratic regulator weight selection algorithm for robust pole assignment
[AD-A230598] 13 p2132 N91-21737

Determining concurrency in object-oriented design of real-time embedded systems using Ada
[AD-A230659] 13 p2132 N91-21738

An empirical evaluation of analytical models for parallel relational database queries
[AD-A230813] 13 p2134 N91-21752

An object oriented design and implementation of the IDEF(sub 0) essential model using Ada and an Ada based expert system
[AD-A230814] 13 p2135 N91-21753

A remote visual interface tool for simulation control and display
[AD-A231019] 13 p2135 N91-21754

An object-oriented military simulation baseline for parallel simulation research
[AD-A231030] 13 p2135 N91-21755

Graphical representation of parallel algorithmic processes
[AD-A231258] 13 p2136 N91-21760

Computing with neural networks: A comparison of the multi-layer perceptron and the hierarchical pattern recognition network for classification problems
[AD-A231584] 13 p2137 N91-21768

Access and operator methods for the Triton nested relational database system
[AD-A230608] 13 p2168 N91-21962

Analysis of periodic orbits about the Martian moons by continuation techniques
[AD-A231026] 13 p2182 N91-22058

Status of PAVER implementation within the US Air Force
[AD-A231158] 14 p2198 N91-22137

Six dimensional trajectory solver for autonomous proximity operations
[AD-A231993] 14 p2206 N91-22184

Controller design for a laser steering mirror on a flexible structure
[AD-A231735] 14 p2269 N91-22552

A two-dimensional photochemical model of the troposphere
[AD-A231163] 14 p2285 N91-22636

Modifications to MCNP, version 3B: Incorporating a variable density atmosphere, addendum
[AD-A231425] 14 p2285 N91-22637

Short-range forecasting using a one-dimensional planetary boundary layer model
[AD-A231704] 14 p2286 N91-22638

A study of localized momentum forcing in the thermospheres
[AD-A231736] 14 p2286 N91-22639

Mesoscale convective complexes in the Western Pacific region
[AD-A231159] 14 p2287 N91-22648

Model performance during explosive cyclogenesis for two cold seasons
[AD-A231162] 14 p2287 N91-22649

A comparison of human-computer interfaces in Air Force organizations
[AD-A229708] 14 p2300 N91-22712

Increasing the readability and comprehensibility of programs
[AD-A231805] 14 p2306 N91-22741

Backscattering by nonspherical particles, using the coupled-dipole method: An application in radar meteorology
[AD-A232371] 15 p2415 N91-23373

A numerical model of laser induced fluorescence in a hydrogen plasma
[AD-A232240] 15 p2433 N91-23482

Analysis of truss frames by method of the stiffness matrix
[AD-A232053] 15 p2447 N91-23555

Forecasting atmospheric particulate sulfur concentrations using national weather service synoptic charts
[AD-A231634] 15 p2458 N91-23622

Thermal ion upwelling in the high-altitude ionosphere
[AD-A232372] 15 p2464 N91-23657

A search for strange attractors in the saturation of middle atmosphere gravity waves
[AD-A232468] 15 p2465 N91-23658

Initialization of cloud and radiation in the Florida State University global spectral model
[AD-A232425] 15 p2469 N91-23682

Data type coherency in heterogeneous shared memory multiprocessors
[AD-A232114] 15 p2481 N91-23729

SZ series GaAs super high-speed logic gate: Optimum choice. High tech; high speed; high quality
[AD-A232819] 15 p2519 N91-23962

Aerospace activities in modern China (chapters 1-3, part 4)
[AD-A233419] 16 p2544 N91-24094

Brief introduction to noncontact type large-dimension three-coordinate measurement system
[AD-A233436] 16 p2613 N91-24468

Research on industrial 10kW CO2 laser achieves major breakthrough
[AD-A233273] 16 p2632 N91-24572

Nondestructive testing (selected articles)
[AD-A233424] 16 p2638 N91-24598

Linear stability of wavy baroclinic flow over topography
[AD-A232758] 16 p2656 N91-24699

Application of transformational ideas to automatic flight control design
[AD-A234758] 18 p2927 N91-26148

Chinese space science and technology (selected articles)
[AD-A234798] 18 p2933 N91-26180

Prime Minister Li Peng talks with representatives to a discussion meeting on satellite applications and applied satellite technology about the development of our country's activities in space
[AD-A234801] 18 p2933 N91-26181

Titanium alloy integrated centrifugal impeller 5 coordinate computer assisted manufacturing technology
[AD-A234797] 18 p2954 N91-26300

Method of obtaining phenol-furfural resins
[AD-A233746] 18 p2959 N91-26327

Methods of obtaining an electrical contact
[AD-A234800] 18 p2979 N91-26453

Methods for determining crack depth
[AD-A234799] 18 p2999 N91-26562

Optical methods of measuring the roughness of the surfaces of high precision steel balls
[AD-A234796] 18 p3064 N91-26928

Agility: Presentation and flight test methods for the operational fighter pilot
[AD-A238456] 21 p3457 N91-29174

Generalized simplified analytic solution of optimum cycle parameters for land and aircraft gas turbine engines and its applications
[AD-A237414] 21 p3459 N91-29182

The optimal location of GEODSS sensors in Canada
[AD-A238444] 21 p3465 N91-29216

A prolog system for converting VHDL-based models to Generalized Extraction System (GES) rules
[AD-A238545] 21 p3553 N91-29741

A common interface real-time multiprocessor operating system for embedded systems
[AD-A238445] 21 p3557 N91-29770

Transfer of 4GL application from INGRES to ORACLE
[AD-A238448] 21 p3558 N91-29771

Optimal iterative task scheduling for parallel simulations
[AD-A238631] 21 p3561 N91-29791

An alternative algorithm for discrete-time filtering
[AD-A238443] 21 p3566 N91-29827

The boundary element method applied to the two dimensional Stefan moving boundary problem
[AD-A238458] 21 p3567 N91-29828

The utility of elliptical and circular confidence regions for HFDF receivers
[AD-A238390] 21 p3569 N91-29842

Effects of colocation and non-colocation of sensors and actuators on flexible structures
[AD-A238457] 21 p3569 N91-29844

New modified Anderson-Darling and Cramer-von Mises goodness-of-fit tests for a normal distribution with specified parameters
[AD-A238630] 21 p3569 N91-29846

A goodness-of-fit test for a family of two parameter Weibulls with known shape using minimum distance estimation of parameters
[AD-A238633] 21 p3570 N91-29847

A vision system model
[AD-A238459] 21 p3583 N91-29930

A study of the liquid-solid interface during rapid resolidification of cooper-titanium using molecular dynamics
[AD-A238634] 21 p3599 N91-30022

A case study of manned strategic bomber acquisition: The B-70 Valkyrie
[AD-A229545] 22 p3609 N91-30074

AFIT/AFOSR Symposium on Applications of Wavelets to Signal Processing. Volume 1: Synopsis
[AD-A238024] 22 p3662 N91-30388

The development of an expert system for software cost estimation
[AD-A229305] 22 p3724 N91-30724

CPR software analysis: Determining the ideal software
[AD-A229499] 22 p3725 N91-30730

A comparison of software schedule estimators
[AD-A229532] 22 p3725 N91-30731

Analysis of the effect of curriculum structure on student performance measures in a computer-based instructional environment
[AD-A229544] 22 p3725 N91-30732

Software reusability: A study of why software reuse has not developed into a viable practice in the Department of Defense
[AD-A229551] 22 p3725 N91-30733

An interactive system of computer generated graphic displays for motivating meaningful learning of matrix operations and concepts of matrix algebra
[AD-A229557] 22 p3725 N91-30734

The identification of contracting terms in support of the body of knowledge
[AD-A229419] 22 p3762 N91-30973

Defining acquisition and contracting terms associated with contract administration
[AD-A229462] 22 p3762 N91-30974

The effect of the Commercial Space Launch Act on Department of Defense contract administration
[AD-A229497] 22 p3763 N91-30975

Dictionary of contracting and acquisition terms related to the pre-award phase of contracting
[AD-A229533] 22 p3763 N91-30976

A lexicon of contracting terms: Contract types
[AD-A229534] 22 p3763 N91-30977

A management information system for the energy conservation program
[AD-A229574] 22 p3765 N91-30989

An investigation of the stability of the cost performance index
[AD-A229498] 22 p3769 N91-31018

An interactive life cycle cost forecasting tool
[AD-A238352] 22 p3770 N91-31019

A knowledge-base for rehabilitation of airfield concrete pavements
[AD-A239354] 23 p3799 N91-31191

Application of semianalytic satellite theory to maneuver planning
[AD-A239417] 23 p3802 N91-31205

Effect of porcelain surface pretreatments on composite resin-porcelain shear bond strength
[AD-A239359] 23 p3808 N91-31241

Effect of thickness and brand of metal ceramic porcelain on color
[AD-A239398] 23 p3820 N91-31312

Hardware modeling and top-down design using VHDL
[AD-A239036] 23 p3862 N91-31534

Application of multivariable control system design methodologies to robust beam control of a space-based laser
[AD-A239460] 23 p3879 N91-31643

The effect of exercise training on skeletal muscle glucose transorter isoform GLUT4 concentration in the obese Zucker rat
[AD-A239461] 23 p3898 N91-31757

Cockpit resource management: Effects on behavioral interactions across airlines and aircraft types
[AD-A239467] 23 p3906 N91-31804

Interactive constraint-based solid modeling as a design tool
[AD-A239358] 23 p3914 N91-31856

A search for periodicity in the x ray spectrum of black hole candidate A0620-00
[AD-A239488] 23 p3938 N91-32011

On the maximum range of flying wings
[AD-A229487] 24 p3960 N91-32130

Cost effectiveness of two versus three levels of maintenance for turbine engines in the Air Force inventory
[AD-A229622] 24 p3961 N91-32137

Development of a handbook for configuration managers with applications for the program/system in full-scale development
[AD-A229617] 24 p4114 N91-32993

Identification of essential success factors for an electronic master publication library
[AD-A229624] 24 p4116 N91-33004

AIR FORCE MATERIALS LAB., WRIGHT-PATTERSON AFB, OH.
Proceedings of the 1989 Structural Integrity Program Conferer.ce
[AD-A225541] 03 p0314 N91-11757
The synthesis of decyloxy substituted aromatic polyazomethines for increased solubility
[AD-A225340] 03 p0345 N91-11933
Fabrication and characterization of high temperature superconducting thin films for sensors and electronics 05 p0724 N91-14041
The effect of jet fuel exposure on advanced aerospace composites 2: Mechanical properties
[AD-A227529] 09 p1302 N91-17144
Materials for hypersonic engines 15 p2381 N91-23177
The role of analysis in the design of composite materials 16 p2645 N91-24644

AIR FORCE OCCUPATIONAL AND ENVIRONMENTAL HEALTH LAB., BROOKS AFB, TX.
Recommended carbon dioxide and relative humidity levels for maintaining acceptable indoor air quality
[AD-A230026] 13 p2129 N91-21717
Composite fiber hazards
[AD-A233924] 18 p2939 N91-26211
Acoustic tests on a new motor generator system for the Minuteman launch control centers at Alpha 01 and Sierra 00, Malmstrom AFB, Montana
[AD-A237944] 21 p3536 N91-29648

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH, BOLLING AFB, WASHINGTON, DC.
Proceedings of the AFOSR/ONR contractors meeting, Combustion, Rocket Propulsion, Diagnostics of Reacting Flow
[AD-A225444] 03 p0324 N91-11805
Air Force Office of Scientific Research technical report summaries: April-June 1990
[AD-A227367] 06 p0933 N91-15121
Air Force Office of Scientific Research technical report summaries: January-March 1990
[AD-A227368] 06 p0934 N91-15122
Computational models developed for the corrosion of prestressing steel
[PB91-167304] 19 p3135 N91-27322
Air Force Office of Scientific Research technical report summaries: October-December 1990
[AD-A234832] 19 p3266 N91-28061
Air Force Office of Scientific Research: Research proposal quarterly status report
[AD-A234833] 19 p3266 N91-28062

AIR FORCE SPACE DIV., LOS ANGELES, CA.
Combined Release and Radiation Effects Satellite (CRRES): Atlas 1 (Atlas/Centaur-69) launch vehicle
[NASA-TM-103460] 02 p0186 N91-11040

AIR FORCE SPACE TECHNOLOGY CENTER, KIRTLAND AFB, NM.
Design and application of gas-gap heat switches
[NASA-CR-187339] 01 p0038 N91-10222

AIR FORCE SYSTEMS COMMAND, CLEVELAND, OH.
Computerized inspection of real surfaces and minimization of their deviations
[NASA-TM-103798] 19 p3176 N91-27558

AIR FORCE SYSTEMS COMMAND, EGLIN AFB, FL.
Scientific and technical information handbook for technical report preparation
[AD-A238548] 21 p3604 N91-30051

AIR FORCE SYSTEMS COMMAND, GRIFFISS AFB, NY.
Synthetic metals: A novel role for organic polymers
[AD-A233862] 18 p2960 N91-26334
A Rome Laboratory guide to basic training in TQM analysis techniques
[AD-A233855] 18 p3075 N91-26993

AIR FORCE SYSTEMS COMMAND, KIRTLAND AFB, NM.
Preliminary analysis of WL experiment number 701: Space environment effects on operating fiber optic systems 16 p2723 N91-25081
Knowledge extraction methods for the development of expert systems 17 p2732 N91-25130

AIR FORCE SYSTEMS COMMAND, NORTON AFB, CA.
A human factors approach to range scheduling for satellite control 12 p1946 N91-20703

AIR FORCE SYSTEMS COMMAND, WRIGHT-PATTERSON AFB, OH.
Research on high performance organic silicon ablative materials for use in solid rocket motors
[AD-A225345] 03 p0324 N91-11804
Device for irradiating large parabolic-reflector antennae
[AD-A225262] 03 p0357 N91-11996
Interlock device
[AD-A225261] 03 p0360 N91-12016
Theory and simulent design of a type of auto-self-protecting optical switches
[AD-A225344] 03 p0360 N91-12021
Laser
[AD-A225393] 03 p0371 N91-12079
Pattern recognition method
[AD-A225263] 03 p0406 N91-12263
Thermoionic converter for space Reactor
[AD-A225299] 03 p0417 N91-12334
Single-crystal growth of gold on the tungsten autocathode
[AD-A225260] 03 p0424 N91-12377
Experimental research on digital control of engine JT15D-4
[AD-A225342] 04 p0481 N91-12681
Solid propellant ballistic missile (references)
[AD-A225308] 04 p0495 N91-12751
The third generation of Soviet civilian-use turbofan engines
[AD-A225392] 05 p0623 N91-13454
Space flight undertakings of present-day china (photo captions on 65 selected pages)
[AD-A222816] 05 p0626 N91-13469
The fabrication and characteristics of Ta2N field emitters
[AD-A227556] 09 p1312 N91-17199
Application of complex ray theory in EM scattering and RCS analysis
[AD-A227557] 09 p1322 N91-17256
Field emission initiation mechanism of vacuum arc
[AD-A227560] 09 p1401 N91-17711
The fabrication and characteristics of YB2Cu3O(7-x)/W and Y2O3/W field emitters
[AD-A227561] 09 p1409 N91-17756
The energy source rocket of the Soviet Union
[AD-A224938] 13 p2042 N91-21229
Some analysis of decision-making in the test manufacture of military aircraft
[AD-A233111] 16 p2544 N91-24093
Method of obtaining polymeric current-conducting material
[AD-A233129] 16 p2606 N91-24440
Frequency up-conversion of 10.6 microns laser
[AD-A233038] 16 p2632 N91-24570
Thermoelectric potential effect and its applications in nondestructive testing
[AD-A233048] 16 p2638 N91-24597
Design and implementation of real-time computer coordinated force actuating system with multi-input/output
[AD-A233114] 16 p2669 N91-24768
New image-tracking algorithm for fuzzy-relaxation matching of point patterns
[AD-A233506] 16 p2670 N91-24779
Effect of the field gradient of an intense electromagnetic beam on electrons and atoms
[AD-A233047] 16 p2687 N91-24872
Emission mechanism of plasma-induced field-emission cathode
[AD-A233056] 16 p2692 N91-24903
WPG-30 model microprocessor controlled rotating beryllium mirror scanning camera and its applications
[AD-A234802] 18 p2987 N91-26493
Laser applications in machining slab materials
[AD-A233823] 18 p2988 N91-26497
Array-typed, sealed-off mini tea CO2 laser
[AD-A234804] 18 p2990 N91-26511
ROBOT: A journal of Chinese Society of Automation
[AD-A234808] 18 p2995 N91-26538
Nondestructive testing (selected articles)
[AD-A234805] 19 p3178 N91-27571
A collection of selected papers from the Third All-China Electroemissions Technology Conference (selected pages)
[AD-A234803] 19 p3240 N91-27918
International aviation (selected articles)
[AD-A237175] 21 p3451 N91-29141
International aviation (selected articles)
[AD-A237232] 21 p3451 N91-29142
Powder metallurgy technology (selected articles)
[AD-A237176] 21 p3481 N91-29310
Method of obtaining current-conducting polymeric materials
[AD-A237174] 21 p3486 N91-29339
Second-harmonic generation of TEA CO2 10.6 micrometer laser light in AgGaS2 crystals
[AD-A237169] 21 p3522 N91-29564
Experimental study of gas kinetics of a fast-axial flow kilowatt CO2 laser
[AD-A237178] 21 p3523 N91-29565
Development of low-threshold value, high-power semiconductor laser
[AD-A237183] 21 p3523 N91-29566
Chinese physics lasers (selected articles)
[AD-A237263] 21 p3523 N91-29567
New technique of machining high precision mirror surface press roller
[AD-A237195] 22 p3657 N91-30354

AIR FORCE SYSTEMS COMMAND LIASON OFFICE, OTTAWA (ONTARIO).
Guide to Canadian aerospace-related industries
[AD-A230151] 12 p1880 N91-20332

AIR FORCE WEAPONS LAB., KIRTLAND AFB, NM.
Transient x ray irradiation of high transition temperature superconducting material
[AD-A227090] 06 p0881 N91-14869
Bibliography of documents related to the theory, operation, performance and applications of coaxial plasma guns, revision
[AD-A229799] 12 p1982 N91-20908
An analytic model for the compression of plasma toroids
[AD-A229500] 22 p3755 N91-30935

AIR FORCE WRIGHT AERONAUTICAL LABS., WRIGHT-PATTERSON AFB, OH.
Determination of the short crack effect in 2090-T8E41 aluminum lithium 02 p0222 N91-11242

AIR LINE PILOTS ASSOCIATION, INTERNATIONAL, WASHINGTON, DC.
Wind shear procedures and the instrumentation 03 p0306 N91-11703

AIR NAVIGATION TECHNICAL SERVICE, PARIS (FRANCE).
French SATCOM program and related international activities 24 p3956 N91-32102

AIR TRANSPORT ASSOCIATION OF AMERICA, WASHINGTON, DC.
Satellite surveillance and communications airline benefits: The telephone myth 24 p3959 N91-32124

AIR UNIV., MAXWELL AFB, AL.
Building blocks in space
[AD-A224614] 03 p0320 N91-11789
An analysis of trusted computer evaluation and certification
[AD-A233145] 16 p2669 N91-24771
Space control and the role of antisatellite weapons
[AD-A236844] 19 p3238 N91-27905

AIR WAR COLL., MAXWELL AFB, AL.
The strategic bomber and low-intensity conflict
[AD-A229938] 12 p1827 N91-20040
Software metrics useful tools or wasted measurements
[AD-A229951] 12 p1879 N91-20328
Data and information integrity in a distributed environment
[AD-A229949] 12 p1997 N91-20990
Top quality management, reliability, and maintainability: Institutional goals with built in barriers
[AD-A230134] 13 p2099 N91-21552
Space doctrine
[AD-A234971] 18 p3054 N91-26866

AIR WEATHER SERVICE, SCOTT AFB, IL.
Convective scale dynamics
[AD-A231567] 13 p2123 N91-21683

AIRBORNE RESEARCH ASSOCIATES, WESTON, MA.
Thunderstorm detection and warning system atmospheric potential monitor 24 p4047 N91-32608

AIRBUS INDUSTRIE, BLAGNAC (FRANCE).
How to fly windshear 02 p0168 N91-10974
Impact of new technology on operational interface: From design aims to flight evaluation and measurement 02 p0169 N91-10977
Airbus windshear warning and guidance system 03 p0306 N91-11704
Aircrafts, requirements for ground installations from the aircraft point of view 11 p1653 N91-19108

AIRESEARCH MFG. CO., LOS ANGELES, CA.
Advanced magnetic suspensions for vibration isolation and fast-attitude control of space-based generic pointing mounts 13 p2035 N91-21190

AIRESEARCH MFG. CO., TORRANCE, CA.
Yttria-stabilized zirconia solid oxide electrolyte fuel cells: Monolithic solid oxide fuel cells
[DE91-002010] 22 p3700 N91-30602

AIRPORT AUTHORITY, MUNICH (GERMANY, F.R.).
Regional air traffic into international airports: The development in regional air traffic 03 p0308 N91-11722

AKRON UNIV., OH.
Drive system life and reliability 01 p0008 N91-10044
The effect of chemical additives on the synthesis of ethanol
[DE91-006633] 10 p1497 N91-18238
Life and dynamic capacity modeling for aircraft transmissions
[NASA-CR-4341] 11 p1714 N91-19438
Detection of reflector surface from near field phase measurements
[NASA-CR-187948] 12 p1880 N91-20335
Cost-effective accurate coarse-grid method for highly convective multidimensional unsteady flows 13 p2014 N91-21075

Fracture mechanics and cavitation in rubberlike solids
[AD-A233310] 16 p2606 N91-24443
Effect of temperature and oxygen on the strength of elastomers
[AD-A233535] 16 p2606 N91-24445
Dynamics of charge-transfer excited states relevant to photochemical energy conversion
[DE91-012669] 20 p3366 N91-28649
Molecular eigenstate spectroscopy: Application to the intramolecular dynamics of some polyatomic molecules in the 3000 to 7000 cm(exp -1) region
[DE91-013154] 20 p3399 N91-28839
Exact and approximate solutions to the oblique shock equations for real-time applications
[NASA-CR-187173] 21 p3452 N91-29147
The effect of chemical additives on the synthesis of ethanol
[DE91-016586] 24 p3973 N91-32192
Finite element implementation of state variable-based viscoplasticity models
[NASA-CR-187212] 24 p4031 N91-32523
Dynamics of charge-transfer excited states relevant to photochemical energy conversion
[DE91-017710] 24 p4041 N91-32578

ALABAMA A & M UNIV., HUNTSVILLE.

A one-wire battery monitoring system with applications to on-board charging for electric vehicles
[DE91-005922] 09 p1330 N91-17305
Updating and augmenting NASA spacelink electronic information system 10 p1626 N91-18970
NASA-HBCU Space Science and Engineering Research Forum Proceedings
[NASA-CR-188650] 19 p3266 N91-28063
Growth and characterization of crystals for IR detectors and second harmonic gereration devices 19 p3268 N91-28078
Solution growth of Triglycine Sulfate (TGS) crystals on the International Microgravity Laboratory (IML-1) 19 p3269 N91-28080
Analysis of cured carbon-phenolic decomposition products to investigate the thermal decomposition of nozzle materials 19 p3269 N91-28082

ALABAMA A & M UNIV., NORMAL.

Structure function calculations for Ostwald Ripening processes 10 p1630 N91-18986
A gravitational test of wave reinforcement versus fluid density models 10 p1630 N91-18990
Manipulating cyanobacteria: Spirulina for potential CELSS diet 19 p3267 N91-28070
X ray sensitivity of diploid skin fibroblasts from patients with Fanconi's anemia 19 p3268 N91-28072
Phase conjugation by degenerate four wave mixing in disodium fluorescein solution in methanol 19 p3270 N91-28087
Aerosol speckle effects on atmospheric pulsed lidar backscattered signals 19 p3273 N91-28105
Surface roughness of flat and curved optical surfaces 19 p3277 N91-28126
Algae for controlled ecological life support system diet characterization of cyanobacteria 'spirulina' in batch cultures 23 p3903 N91-31787

ALABAMA AGRICULTURAL AND MECHANICAL COLL., NORMAL.

Model of Jovian F region ionosphere (Jovian ionosphere model in offset dipole approximation)
[NASA-CR-187683] 07 p1085 N91-15968
A study of microstructural characteristics of Ni-based superalloys at high temperatures
[NASA-CR-188047] 14 p2247 N91-22432
Model of Jovian F region ionosphere (Saturnian ionosphere in offset dipole approximation)
[NASA-CR-188780] 22 p3775 N91-31057

ALABAMA CRYOGENIC ENGINEERING, INC., HUNTSVILLE.

Helium 3/Helium 4 dilution cryocooler for space
[NASA-CR-184140] 12 p1879 N91-20327

ALABAMA UNIV., BIRMINGHAM.

PAH in the laboratory and interstellar space 06 p0893 N91-14936
Influence of a magnetic field during directional solidification of MAR-M 246 + Hf superalloy
[NASA-CR-184114] 14 p2244 N91-22416
Gravitational influence of a static ring-like distribution of mass on electromagnetic waves 20 p3336 N91-28472
Design and analysis of multilayer x ray/XUV microscope
[NASA-CR-184197] 23 p3874 N91-31607

ALABAMA UNIV., HUNTSVILLE.

Network, system, and status software enhancements for the autonomously managed electrical power system breadboard. Volume 1: Project summary
[NASA-CR-185880] 01 p0107 N91-10618
Network, system, and status software enhancements for the autonomously managed electrical power system breadboard. Volume 2: Protocol specification
[NASA-CR-185881] 01 p0107 N91-10619
Network, system, and status software enhancements for the autonomously managed electrical power system breadboard. Volume 3: Commands specification
[NASA-CR-185882] 01 p0107 N91-10620
Network, system, and status software enhancements for the autonomously managed electrical power system breadboard. Volume 4: Graphical status display
[NASA-CR-185879] 01 p0107 N91-10621
The growth of zinc selenide single crystals by physical vapor transport in microgravity
[NASA-CR-180428] 01 p0127 N91-10755
Parameterization of cosmological scale factor during inflationary times 01 p0138 N91-10815
Heat treatment study 2
[NASA-CR-184009] 02 p0195 N91-11091
Intelligent Data Reduction (IDARE)
[NASA-CR-186322] 02 p0251 N91-11393
Aeronautical component research 04 p0462 N91-12584
Applications of artificial intelligence to mission planning
[NASA-CR-184994] 05 p0706 N91-13939
Viscosity measurements at high temperature and high pressure: A novel technique
[NASA-CR-187239] 05 p0711 N91-13967
Definition study for temperature control in advanced protein crystal growth
[NASA-CR-187346] 05 p0722 N91-14029
Morphological stability and kinetics in crystal growth from vapors
[NASA-CR-187650] 05 p0726 N91-14055
Accounting for the dispersion in the x ray properties of early-type galaxies 05 p0749 N91-14173
CFD code evaluation for internal flow modeling
[NASA-CR-187677] 06 p0825 N91-14557
Vibration isolation technology: Sensitivity of selected classes of experiments to residual accelerations
[NASA-CR-186902] 06 p0836 N91-14624
Optical matrix inverter for phased array radar
[AD-A227706] 07 p0994 N91-15456
Fluid dynamics and low gravity effects of chemical vapor deposition
[NASA-CR-187419] 07 p1001 N91-15495
Exploration of operator method digital optical computers for application to NASA
[NASA-CR-187663] 07 p1038 N91-15695
Nucleation and growth control in protein crystallization
[NASA-CR-187345] 07 p1070 N91-15886
High temperature furnace modeling and performance verifications
[NASA-CR-187831] 08 p1099 N91-16032
New methods for producing, recording, and processing interferometric moire patterns 08 p1163 N91-16405
Global-scale, intraseasonal fluctuations of diabatic forcing of the atmosphere 08 p1183 N91-16508
A tentative explanation of cosmological red shift 08 p1258 N91-16928
A transient response analysis of the Space Shuttle vehicle during liftoff 09 p1294 N91-17111
Computer modeling of inversion layer MOS solar cells and arrays
[NASA-CR-187875] 09 p1355 N91-17444
Current collection in a flowing magnetoplasma 09 p1402 N91-17716
Pressure and current balance conditions during electron beam injections from spacecraft 09 p1405 N91-17732
Hubble Space Telescope Design Engineering Knowledgebase (HSTDEK)
[NASA-CR-187838] 09 p1425 N91-17845
Fluid Phase Separation (FPS) experiment for flight on the shuttle in a Get Away Special (GAS) canister: Design and fabrication 10 p1474 N91-18122
Evaluation of advanced light scattering technology for microgravity experiments
[NASA-CR-187965] 10 p1507 N91-18293
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-184044] 10 p1626 N91-18967
Navigation in large information spaces represented as hypertext: A review of the literature 10 p1627 N91-18972
National launch strategy vehicle data management system 10 p1628 N91-18976
Neural networks as a control methodology 10 p1631 N91-18997
Analytical study of the effects of clouds on the light produced by lightning 10 p1632 N91-19003
The effect of friction in the hold down post spherical bearings on hold down post loads 10 p1633 N91-19006
Development of nickel hydrogen battery expert system 10 p1634 N91-19011
Frequency response of electrochemical cells 10 p1634 N91-19015
Graphics modelling of non-contact thickness measuring robotics work cell 10 p1635 N91-19018
Hypervelocity impact physics
[NASA-CR-4343] 11 p1663 N91-19164
Gamma ray astronomy
[NASA-CR-188031] 11 p1817 N91-19980
Engine Data Interpretation System (EDIS)
[NASA-CR-188061] 12 p1858 N91-20205
Development of an optical fiber interferometer for detection of surface flaws in aluminum
[NASA-CR-186180] 12 p1869 N91-20269
An overview of the neuron ring model 12 p1965 N91-20813
Engineering support for an ultraviolet imager for the ISTP mission
[NASA-CR-184138] 14 p2235 N91-22364
A Fourier-Chebyshev pseudospectral method for solving steady 3-D Navier-Stokes equations in cylindrical cavities 14 p2265 N91-22533
Analysis and modeling of summertime convective cloud and precipitation structure over the Southeastern United States
[NASA-CR-188119] 15 p2467 N91-23670
Analysis of polarizing optical systems for digital optical computing with symmetric self electrooptic devices
[AD-A232768] 15 p2509 N91-23906
Differential collision cross-sections for atomic oxygen
[NASA-CR-187892] 16 p2682 N91-24847
A measurement of the energy spectra of cosmic rays from 20 to 1000 GeV per amu
[NASA-CR-188211] 16 p2705 N91-24970
Chemical analysis of metal and polymer surfaces on the front and rear LDEF 16 p2714 N91-25023
Fourier transform infrared and Raman spectroscopic characterization of homogeneous solution concentration gradients near a container wall at different temperatures
[NASA-CR-188541] 17 p2756 N91-25254
Propulsion stability codes for liquid propellant propulsion systems developed for use on a PC computer
[NASA-CR-184983] 18 p2937 N91-26201
Gamma ray astronomy
[NASA-CR-187774] 18 p2972 N91-26407
Theoretical and experimental studies relevant to interpretation of auroral emissions
[NASA-CR-188491] 18 p3013 N91-26637
Applications of artificial intelligence to mission planning
[NASA-CR-187953] 18 p3044 N91-26806
Vibration isolation technology: Sensitivity of selected classes of experiments to residual accelerations
[NASA-CR-188662] 19 p3145 N91-27380
Laser welding in space
[NASA-CR-185638] 19 p3173 N91-27541
ECLSS advanced automation preliminary requirements
[NASA-CR-186115] 19 p3214 N91-27765
A diagnostic prototype of the potable water subsystem of the Space Station Freedom ECLSS
[NASA-CR-186111] 19 p3214 N91-27766
Aero-optics analysis
[AD-A234647] 19 p3244 N91-27942
Discrete posynomial programming with applications to spacecraft protective structures design optimization 20 p3290 N91-28190
Numerical analyses of aero-optical flows: An application of parallel algorithm on high-performance Personal Computer (PC) base multitransputer system 20 p3344 N91-28519
Predicting thunderstorm evolution using ground-based lightning detection networks 20 p3376 N91-28702
Chemical waste disposal in space by plasma discharge
[NASA-CR-184169] 21 p3552 N91-29737
Study of particle correlations in high energy S + Pb and Pb + Pb interactions with a magnetic-interferometric-emulsion-chamber
[DE91-014355] 21 p3577 N91-29897
Composite propellant technology research: Mechanical property characterization
[NASA-CR-187824] 22 p3655 N91-30343
Residual acceleration data on IML-1: Development of a data reduction and dissemination plan
[NASA-CR-188760] 22 p3656 N91-30350
Development of a stable electro-optical modulator
[NASA-CR-188757] 22 p3755 N91-30931
FNAS materials processing and characterization
[NASA-CR-188710] 22 p3759 N91-30954
A graph theoretic approach to scene matching
[NASA-CR-187817] 23 p3927 N91-31947
Polarization effects, tasks 3 and 4
[NASA-CR-184219] 24 p3978 N91-32221
Microgravity liquid propellant management
[NASA-CR-184238] 24 p3981 N91-32236

Advanced visualization techniques
24 p4058 N91-32669
Monitoring, analyzing, and modeling global climate
24 p4061 N91-32689

ALABAMA UNIV., TUSCALOOSA.
The ringed X-galaxy NGC 7020
08 p1250 N91-16885
Interacting nuclei in distant galaxies
08 p1252 N91-16894
FIR statistics of paired galaxies
08 p1253 N91-16899
Statistics of associations among IR galaxies
08 p1255 N91-16909
The role of shocks in NGC 6240
08 p1257 N91-16921
A simulation survey of galaxy interactions
08 p1259 N91-16936
The spiral-compact galaxy pair AM 2208-251: Computer simulations versus observations
08 p1260 N91-16939
Optical and UV emission line profile in 3C390.3
09 p1446 N91-17973
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-184044] 10 p1626 N91-18967
Mechanical design problems associated with turbopump fluid film bearings 10 p1628 N91-18979
Establishment of a strain analysis capability using photoelastic coatings 10 p1629 N91-18981
Emergency egress requirements for Space Station Freedom 10 p1633 N91-19005
Characterization of space station multilayer insulation damage due to hypervelocity space debris impact
10 p1633 N91-19007
MLIBlast: A program to empirically predict hypervelocity impact damage to the Space Station
[NASA-CR-184153] 14 p2234 N91-22363
Techniques for determining total body water using deuterium oxide 18 p3092 N91-27091
Ultra thin film characterization of the organic rectifier project
[AD-A236360] 19 p3254 N91-28005

ALABAMA UNIV., UNIVERSITY.
Calculation of spectroscopic parameters for diatomic molecules of atmospheric interest
[AD-A225251] 03 p0417 N91-12332
Gamma-ray bursts: An overview
10 p1631 N91-18992
Extension and upgrading of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers, volume 1
[AD-A229804] 12 p1917 N91-20544
Extension and updating of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers. Volume 2: User manual of the range relative Doppler processing simulation for MM wave seekers
[AD-A229805] 12 p1917 N91-20545
Extension and updating of the computer simulation of range relative Doppler processing and invariant mapping for MM wave seekers. Volume 3: Simulation of a Doppler beam sharpening radar for MM wave seekers
[AD-A229806] 12 p1917 N91-20546
Magnetic resonance and optical spectroscopic studies of carotenoids
[DE91-014361] 20 p3380 N91-28724
The role of UV-optical obscuration in starburst galaxies
[NASA-CR-188771] 22 p3774 N91-31051

ALASKA UNIV., FAIRBANKS.
A simulation study of magnetic reconnection processes at the dayside magnetopause 02 p0236 N91-11320
Radio Frequency Interference (RFI) measurements made near the proposed Alaska OTH receiving site
[AD-A226922] 06 p0818 N91-14519
The influence of the hydrologic cycle on the extent of sea ice with climatic implications
[NASA-CR-188716] 22 p3702 N91-30607
A study of the magnetosphere-ionosphere coupling processes 24 p4044 N91-32595

ALBERTA UNIV., EDMONTON.
The existence of smooth densities for the prediction, filtering and smoothing problems
[AD-A233039] 16 p2678 N91-24824
Point processes and approximation
[AD-A233179] 16 p2678 N91-24826

ALCATEL ESPACE, TOULOUSE (FRANCE).
Characteristics and performance of an operational windscatterometer 15 p2455 N91-23607
Digital ASIC design for space applications
24 p3991 N91-32300
Qualification strategy for multi-chip packaging for space applications 24 p3993 N91-32312
Surface mount technology on PCBs at Alcatel Espace
24 p3995 N91-32326

ALCORN STATE UNIV., LORMAN, MS.
In vitro regeneration of Basella alba L
19 p3267 N91-28069

ALFRED UNIV., NY.
Solar flare hard and soft x ray relationship determined from SMM HXRBS and BCS data
17 p2884 N91-25940

ALICANTE UNIV. (SPAIN).
Microgravity, hypergravity, and aging: A unifying hypothesis 11 p1752 N91-19633

ALLEN CORP. OF AMERICA, ALEXANDRIA, VA.
Handbook for conducting analysis of the manpower, personnel, and training elements for a MANPRINT assessment
[AD-A235430] 19 p3258 N91-28022

ALLGEMEINER DEUTSCHER AUTOMOBIL-CLUB-E.V., MUNICH (GERMANY, F.R.).
Air rescue in the Federal Republic of Germany
[ETN-90-97878] 02 p0166 N91-10963

ALLIANCE TECHNOLOGIES CORP., CHAPEL HILL, NC.
Evaluation of significant anthropogenic sources of radiatively important trace gases
[PB91-127753] 11 p1736 N91-19545

ALLIED-SIGNAL AEROSPACE CO., COLUMBIA, MD.
Reliability modeling of dependable distributed systems
[AD-A239734] 23 p3882 N91-31663
The potential impact of VHDL on dependable distributed system design
[AD-A239769] 23 p3882 N91-31664

ALLIED-SIGNAL AEROSPACE CO., FORT LAUDERDALE, FL.
Doppler weather radar with predictive wind shear detection capabilities 16 p2553 N91-24150

ALLIED-SIGNAL AEROSPACE CO., KANSAS CITY, MO.
Bidirectional translator between DXF and IGES formats
[DE90-016430] 01 p0109 N91-10632
Ion chromatography in the manufacture of multilayer circuit boards
[DE90-017647] 02 p0207 N91-11158
Software quality assurance handbook
[DE91-000060] 02 p0255 N91-11420
Evaluation of filled elastomers
[DE90-010338] 09 p1317 N91-17229
Moisture absorption and bakeout characteristics of rigid-flexible multilayer printed wiring boards
[DE91-006825] 10 p1519 N91-18366
Resistance seam welding thin copper foils
[DE91-008988] 13 p2095 N91-21535
Multivariation calibration techniques applied to NIRA (near infrared reflectance analysis) and FTIR (Fourier transform infrared) data
[DE91-008159] 14 p2327 N91-22856
Liquid honing evaluation
[DE91-015749] 21 p3495 N91-29393
Investigation of ultrasonic evaluation of solid-state metal bond
[DE91-014996] 21 p3529 N91-29606
Determination of aqueous processable photoresist in tin-lead plating solutions
[DE91-015575] 23 p3810 N91-31251
Analysis of production solutions by polarography
[DE91-016479] 23 p3811 N91-31257
Economic analysis of robotic torque measurement system
[DE91-016480] 23 p3880 N91-31653
Evaluation of the intermittent GTA cold wire feed weld system
[DE91-016477] 23 p3881 N91-31657
Atomatic Feature (AFEAT) identification for Computer-Aided Process Planning (CAPP)
[DE91-016478] 23 p3909 N91-31819
Surface modification of high-strength reinforcing fibers by plasma treatment
[DE91-016481] 24 p3979 N91-32226
Numerical simulation of a laser welding process
[DE91-016454] 24 p4026 N91-32500

ALLIED-SIGNAL AEROSPACE CO., PHOENIX, AZ.
Magnetic domain strain sensor program
[AD-A227225] 08 p1149 N91-16327

ALLIED-SIGNAL CORP., DES PLAINES, IL.
Improved boron for enhanced combustion
[AD-A236564] 19 p3144 N91-27379

ALLIED-SIGNAL CORP., KANSAS CITY, MO.
Deburring and surface finishing: The past ten years and projections for the next ten years
[DE91-000579] 08 p1124 N91-16176
Characterization of ultrasonic transducers using pattern recognition techniques
[DE91-000580] 08 p1149 N91-16326
Microwave module YAG laser weld development
[DE91-015750] 23 p3880 N91-31652

ALLIED-SIGNAL CORP., MORRISTOWN, NJ.
Effect of thermal exposure, forming, and welding on high-temperature, dispersion-strengthened aluminum alloy: Al-8Fe-1V-2Si
[NASA-CR-187575] 24 p3974 N91-32200

ALMA COLL., MI.
Solutions to problems of weathering in Antarctic eucrites 18 p3096 N91-27113

ALPINE GEOPHYSICS, PLACERVILLE, CA.
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597

ALUMINUM CO. OF AMERICA, ALCOA CENTER, PA.
Aluminum powder alloys: An overview
03 p0341 N91-11910
Current distribution modeling for novel alumina electrolysis
[DE91-010060] 18 p2956 N91-26315

AMERICAN AIRLINES, INC., FORT WORTH, TX.
Tools for the trade 03 p0302 N91-11683

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, WASHINGTON, DC.
Abstracts of papers 14 p2338 N91-22929
Proceedings of the 1991 American Association for the Advancement of Science Annual Meeting Program
15 p2521 N91-23969

AMERICAN ASTRONAUTICAL SOCIETY, SAN DIEGO, CA.
Discovery of Be-7 Accretion in Low Earth Orbit: The 16th Annual AAS Guidance and Control Conference
[AD-A236614] 19 p3112 N91-27195

AMERICAN ASTRONOMICAL SOCIETY, WASHINGTON, DC.
Status of the profession 24 p4121 N91-33031

AMERICAN FOUNDREYMENS' SOCIETY, DES PLAINES, IL.
Expendable Pattern Casting Technology
[DE91-001348] 06 p0815 N91-14503

AMERICAN INST. OF AERONAUTICS AND ASTRONAUTICS, NEW YORK, NY.
Proceedings of the 1990 AIAA/FAA Joint Symposium on General Aviation Systems
[DOT/FAA/CT-90/11] 04 p0458 N91-12563
Database publishers' challenges for the future
17 p2876 N91-25910

AMERICAN MATHEMATICAL SOCIETY, PROVIDENCE, RI.
The 1989 AMS-SIAM Summer Seminar on the Mathematics of Random Media
[AD-A226141] 04 p0573 N91-13181

AMERICAN METEOROLOGICAL SOCIETY, BOSTON, MA.
Atmospheric processes over complex terrain
[DE90-017458] 03 p0389 N91-12165
Study on observational systems: A review of meteorological and oceanographic education in observational techniques and the relationship to national facilities and needs
[PB91-198168] 24 p4070 N91-32739

AMERICAN PUBLIC POWER ASSOCIATION, WASHINGTON, DC.
COMPLEAT (community-oriented model for planning least-cost energy alternatives and technologies): A planning tool for publicly owned electric utilities
[DE91-006955] 11 p1727 N91-19511

AMERICAN RED CROSS, ROCKVILLE, MD.
International conference on Biophysics of Transmembrane Electric Fields
[AD-A232057] 16 p2661 N91-24724

AMERICAN ROCKET CO., CAMARILLO, CA.
Non-acoustic combustion instability in hybrid rocket motors 16 p2571 N91-24250
A system for the testing of hybrid rocket motors
16 p2572 N91-24253

AMERICAN SCIENCE AND ENGINEERING, INC., CAMBRIDGE, MA.
Plasma properties of hot coronal loops utilizing coordinated SMM and solar research rocket observations
[NASA-CR-186094] 21 p3584 N91-29937

AMERICAN SOCIETY FOR TESTING AND MATERIALS, PHILADELPHIA, PA.
Laser induced damage in optical materials: 1989
[PB91-148478] 19 p3170 N91-27527

AMERICAN SOCIETY OF MECHANICAL ENGINEERS, NAPERVILLE, IL.
Wind turbine acoustics
[NASA-TP-3057] 08 p1213 N91-16679

AMERICAN SOLAR ENERGY SOCIETY, BOULDER, CO.
Wind Energy Applications and Training Symposium
[DE91-006703] 12 p1918 N91-20552

AMERICAN SPACE TECHNOLOGY, INC., SANTA MONICA, CA.
Retrievable Payload Carrier (RPC): Next generation Long Duration Exposure Facility 16 p2726 N91-25097

AMERICAN SUPERCONDUCTOR CORP., WATERTOWN, MA.
Success criteria for oxide superconductor wires: Measuring the present, predicting the future
05 p0723 N91-14034
Oxide superconductor coils: Present successes, future challenges
05 p0724 N91-14046
AMERICAN TELEPHONE AND TELEGRAPH CO., NEW YORK, NY.
FTS2000 network architecture
18 p3079 N91-27019
AMERICAN UNIV., WASHINGTON, DC.
Design of a high-gain laser diode-array pumped Nd:YAG Alternating Precessive Slab Amplifier (APS-Amplifier) [NASA-CR-183476]
12 p1904 N91-20472
AMERICAN WIND ENERGY ASSOCIATION, ARLINGTON, VA.
Wind Energy Applications and Training Symposium [DE91-006703]
12 p1918 N91-20552
AMES LAB., IA.
Characterization of mono- and multi-molecular assemblies at glassy carbon and noble metals by ex situ and in situ infrared external reflection spectroscopy [DE90-016417]
01 p0024 N91-10144
Development, characterization, and applications of optical pH sensors supported at cellulosic film [DE90-016416]
01 p0025 N91-10146
Monomolecular and thin polymer films: Fabrication, characterization, applications, and models of wetting [DE90-016415]
01 p0029 N91-10174
Analysis of deformation characteristics of a heavily deformed Cu-20 percent Nb composite [DE90-018041]
02 p0191 N91-11070
Characterization of short fatigue cracks at notches in SiC particulate aluminum composite [DE90-018043]
02 p0191 N91-11071
Nuclear magnetic resonance survey of hydrogen motion and electronic structure in (alpha)-phase (Nb-Mo)-H alloys [DE90-018044]
02 p0197 N91-11101
Physical metallurgy and magnetic behavior of Cd stabilized bcc (beta) Gd alloys [DE91-000196]
02 p0199 N91-11112
Deducing mechanical properties due to interfaces from their acoustical response [DE90-016704]
02 p0221 N91-11234
Fatigue crack characterization by ultrasonic inspection [DE90-017252]
02 p0226 N91-11264
A theoretical investigation on structural, vibrational, and electronic properties of amorphous silicon [DE90-018040]
02 p0226 N91-11267
Elementary inversion, energy velocity, and a generalized Sommerfeld theorem [DE90-018046]
02 p0265 N91-11486
Novel measurements of nuclear spin cross-relaxation in metal hydrides [DE90-018042]
02 p0268 N91-11503
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites [DE90-018014]
02 p0269 N91-11506
Processing of YBA2Cu3O7 tapes from a molten salt precursor [DE90-017656]
02 p0278 N91-11564
Microfilamentary Bi2Sr2Ca1Cu2O8 fibers [DE90-018013]
02 p0279 N91-11571
Characterizing closure asperities by ultrasonic measurements [DE90-016709]
04 p0535 N91-12967
Fundamental investigations of supported monometallic and bimetallic catalysts by proton magnetic resonance spectroscopy [DE91-000610]
05 p0634 N91-13516
Electrocatalysis of anodic oxygen-transfer reactions at modified lead dioxide electrodes [DE91-000664]
05 p0635 N91-13518
Synchrotron radiation photoemission study of metal overlayers on hydrogenated amorphous silicon at room temperature [DE91-000740]
05 p0636 N91-13525
Reactions of the excited state of polypyridyl chromium(III) ion [DE91-000741]
05 p0636 N91-13526
Optical properties and electronic structures of d- and f-electron metals and alloys, Ag-In, Ni-Cu, AuGa2, PtGa2, beta'-NiAl, beta'-CoAl, CeSn3, and LaSn3 [DE91-001597]
05 p0727 N91-14059
Application of ultrasonic guided waves to the characterization of texture in metal sheets of cubic and hexagonal crystallites [DE91-001107]
06 p0809 N91-14466
Low-energy electron diffraction investigation of epitaxial growth: Pt and Pd(100) [DE91-000750]
06 p0882 N91-14873
The growth, structure, and thermal stability of vapor deposited ultra-thin metal films: Rh on Ag(100), Au on Pd(110), and Pt on Pd(110) [DE91-000608]
07 p0980 N91-15377
Nonphotochemical hole burning and dispersive kinetics in amorphous solids [DE91-000668]
07 p0985 N91-15406
Diagnostic probes for particle and molecule distributions in laser-generated plumes [DE91-001598]
07 p1008 N91-15535
Magnetic and thermal properties of high Tc super conductors [DE91-000743]
07 p1071 N91-15891
Fundamental studies of hydrocarbon conversions over supported bimetallic catalysts [DE90-011744]
08 p1109 N91-16089
Electrocatalysis of anodic and cathodic oxygen-transfer reactions [DE91-000611]
08 p1110 N91-16100
New development of laser-based techniques in applications of thin-layer chromatography, microprobe elemental analysis, and gas phase pyrolysis [DE90-011740]
08 p1152 N91-16347
Fundamental characteristics and applications of an inductively coupled plasma as an ion source for mass spectrometry [DE90-011746]
08 p1228 N91-16770
A photoemission study of samarium on silicon [DE90-011509]
08 p1233 N91-16799
Indirect fluorometric detection techniques on thin layer chromatography and effect of ultrasound on gel electrophoresis [DE91-007519]
10 p1497 N91-18240
The design of a scalable, fixed-time computer benchmark [DE91-007118]
10 p1566 N91-18609
Viscous flux motion in anisotropic type-2 superconductors in low fields [DE91-006675]
10 p1608 N91-18871
First-principles study of the contractive reconstruction of gold and silver monolayers on gold, silver, and aluminum [DE91-006692]
10 p1610 N91-18884
Internal friction peaks due to interstitials in bcc alloys [DE91-007411]
11 p1683 N91-19272
A structured representation for parallel algorithm design on multicomputers [DE91-006674]
11 p1776 N91-19744
Photoion-photoelectron coincidence studies clusters and transient molecules [DE91-006695]
12 p1978 N91-20884
Enhanced selectivity and detectability in absorption and fluorescence methods based on polarization modulation [DE91-008926]
13 p2050 N91-21279
Excited state structure, energy and electron transfer dynamics of photosynthetic reaction centers: A hole burning study [DE91-010181]
15 p2472 N91-23693
Scalability of parallel algorithm-machine combinations [DE91-011902]
17 p2837 N91-25679
Cross-linking and modification of cytochrome c with redox-active metal complexes [DE91-012023]
18 p2952 N91-26287
Epitaxy of metal atoms on metal surfaces: Deposition and diffusion [DE91-011142]
18 p2955 N91-26309
Electronic excitation transport in photosynthesis and crystal and molecular structures of porphyrin compounds [DE91-012024]
18 p3021 N91-26679
Nonperturbative behavior of quarks [DE91-011905]
18 p3060 N91-26903
Magnetic relaxation, flux pinning and, critical currents in superconductors [DE91-012022]
18 p3073 N91-26984
Characterizations of F-superconductors and selected F-compounds, amorphous carbon, and (VO)2P2O7 by F-19, C-13, H-1, and P-31 NMR, and a new probe for multiple pulse, MAS, and DAS NMR [DE91-010566]
19 p3250 N91-27979
Strength and electrical conductivity of deformation processed Cu-15 v/o Fe metal composites produced by powder metallurgy/techniques [DE91-013658]
20 p3305 N91-28291
Interpreting solidification phenomena and microstructural evolution in metals through the use of transparent model alloy systems [DE91-012629]
20 p3314 N91-28347
EXAFS studies of elastic strain in dilute binary alloys [DE91-012678]
20 p3315 N91-28353
Energy dispersive x ray diffraction study of glassy Bi2Sr2CaCu2O(x) filaments produced by gas-jet fiberization [DE91-012021]
20 p3324 N91-28407
Toward a better parallel performance metric [DE91-012627]
20 p3388 N91-28773
Nuclear magnetic resonance studies of atomic motion in lithium chloroborate and lithium thiosilicate glassy fast ionic conductors [DE91-012677]
20 p3400 N91-28843
Synthesis and characterization of reduced ternary molybdenum oxides and soluble copper (III) alkoxide complexes [DE91-012679]
20 p3426 N91-29001
Synthesis and characterization of reduced tungsten sulfide cluster complexes [DE91-014916]
21 p3476 N91-29282
The ac losses in type-2 superconductors [DE91-015201]
21 p3510 N91-29485
Electromagnetic dissociation of Au and Co targets by relativistic heavy ions [DE91-014915]
21 p3579 N91-29906
Fundamental studies of the extraction process in inductively coupled plasma mass spectrometry [DE90-011733]
21 p3584 N91-29939
Development of a centrifugal atomization process for the production of large spherical metal powders [DE91-014500]
22 p3650 N91-30315
Ultrasonic characterization of fatigue crack closure [DE91-015161]
23 p3886 N91-31688
Alleviation of interferences and reduction of sample memory in inductively coupled plasma mass spectrometry [DE91-016399]
24 p4106 N91-32943
Single vortex motion and elementary pinning force in SNIS Josephson junctions [DE91-016160]
24 p4109 N91-32963
Experimental studies of long-range atomic H motion and desorption in hydrogenated amorphous silicon and germanium [DE91-016161]
24 p4109 N91-32964
AMHERST SYSTEMS, INC., BUFFALO, NY.
Foveal machine vision systems [AD-A226274]
04 p0554 N91-13074
AMOCO OIL CO., NAPERVILLE, IL.
Direct conversion of light hydrocarbon gases to liquid fuel [DE91-000820]
04 p0511 N91-12840
Direct conversion of light hydrocarbon gases to liquid fuel [DE91-000870]
04 p0511 N91-12842
AMOCO PERFORMANCE PRODUCTS, INC., BOUND BROOK, NJ.
Advanced pitch fibre prepregs for space applications
03 p0330 N91-11840
AMPTEK, INC., BEDFORD, MA.
Prototype instrumentation and design studies [AD-A211566]
01 p0044 N91-10264
Prototype instrumentation and design studies [AD-A230707]
12 p1835 N91-20083
AMSTERDAM UNIV. (NETHERLANDS).
Prompt lepton production in a proton beamdump experiment [ETN-90-97750]
01 p0120 N91-10711
Theoretical calculations for electron proton scattering [ETN-90-97748]
03 p0416 N91-12329
Off-shell effects in electromagnetic reactions [ETN-90-97749]
03 p0417 N91-12330
Dust around Mira variables: An analysis of IRAS LRS spectra
06 p0910 N91-15026
A spiral-like disk of ionized gas in IC 1459: Signature of a merging collision
08 p1251 N91-16889
Orbital variability in the UV spectra on the massive x ray binary HD153919/4U1700-37
09 p1440 N91-17936
Blood pressure regulation in parabolic flight
11 p1741 N91-19575
Vestibular function in altered states of gravity
11 p1742 N91-19579
Unicellular algae in space. 1: Preparatory tests
11 p1753 N91-19639
Unicellular algae in space. 2: Sounding-rocket experiment
11 p1753 N91-19640
Unicellular algae in space. 3: Addendum
11 p1753 N91-19641
Pupil size in parabolic flight
11 p1762 N91-19693
Late-type stars at far-infrared and sub-millimeter wavelengths
13 p2175 N91-22006
Physiological modelling using RL [ITLI-CT-90-08]
22 p3718 N91-30695
A functional partial semantics for intensional logic [ITLI-LP-90-12]
22 p3732 N91-30778
Logics for belief dependence [ITLI-LP-90-13]
22 p3732 N91-30779
Two theories of dynamic semantics [ITLI-LP-90-14]
22 p3732 N91-30780
The modal logic of inequality [ITLI-LP-90-15]
22 p3732 N91-30781
Unique normal forms for combinatory logic with parallel conditional, a case study in conditional rewriting [ITLI-CT-90-09]
22 p3732 N91-30782

Awareness, negation and logical omniscience
[ITLI-LP-90-16] 22 p3742 N91-30848
General dynamics
[ITLI-LP-90-11] 22 p3745 N91-30873
How to share concurrent wait-free variables
[ITLI-CT-91-02] 22 p3746 N91-30874
Kolmogorov complexity arguments in combinatorics
[ITLI-CT-91-01] 22 p3747 N91-30888
Average case complexity under the universal distribution equals worst case complexity
[ITLI-CT-91-03] 22 p3748 N91-30889
Weak equivalence
[ITLI-CT-91-04] 23 p3919 N91-31891
Assessment of drug effectiveness
24 p4075 N91-32768

AMTEC ENGINEERING, INC., BELLEVUE, WA.
Turbulent swirling flow in combustor/exhaust nozzle systems
[AD-A236861] 19 p3164 N91-27499

ANACAPA SCIENCES, INC., FORT RUCKER, AL.
An experimental evaluation of the cueing procedures used with the pilot's line-of-sight reticle
[AD-A224935] 03 p0397 N91-12206
Transfer-of-training study of emergency touchdown maneuvers in the AH-1 flight and weapons simulator
[AD-A226360] 04 p0487 N91-12709
Task analysis and workload prediction model of the MH-60K mission and a comparison with UH-60A workload predictions. Volume 2: Appendixes A through G
[AD-A228947] 09 p1373 N91-17545
Task analysis and workload prediction for the MH-47E mission and a comparison with CH-47D workload predictions. Volume 2: Appendixes A through N
[AD-A235249] 18 p3036 N91-26757
Task analysis and workload prediction model of the MH-60K mission and a comparison with UH-60A workload predictions. Volume 3: Appendixes H through N
[AD-A229408] 22 p3720 N91-30703

ANALEX CORP., BROOK PARK, OH.
Physical optics for oven-plate scattering prediction
[NASA-CR-187140] 22 p3667 N91-30418

ANALEX CORP., CLEVELAND, OH.
Data transmission networks 06 p0828 N91-14576
Data compression applied to HHVT
06 p0828 N91-14577
Momentum harvesting techniques for solar system travel 14 p2202 N91-22158
Momentum harvesting techniques for solar system travel 17 p2908 N91-26059
Stacking the odds in favor of a space propulsion jackpot 17 p2909 N91-26060

ANALEX CORP., FAIRVIEW PARK, OH.
COLD-SAT feasibility study safety analysis
[NASA-CR-187042] 11 p1663 N91-19167
Measured performance of the half-scale accurate antenna reflector
[NASA-CR-187047] 11 p1698 N91-19350
Description and operation of a microwave reflectance measurement system
[NASA-CR-187063] 12 p1890 N91-20394

ANALYSIS AND TECHNOLOGY, INC., NEW LONDON, CT.
Evaluation of night vision goggles for maritime search and rescue
[AD-A233798] 18 p3035 N91-26751
Evaluation of night vision goggles for maritime search and rescue. Volume 2: Data appendix
[AD-A229393] 22 p3719 N91-30702

ANALYTECH, JONESBORO, GA.
Speculations and inquiries regarding the possibilities for and limitations to practical interstellar travel
14 p2202 N91-22160

ANALYTIC ENGINEERING CO., LINCOLN, NE.
Surface acoustic wave technique for craze detection and stress measurement of aircraft transparencies
[AD-A235943] 22 p3690 N91-30543

ANALYTIC SCIENCES CORP., ARLINGTON, VA.
Report to the Congress on the Strategic Defense Initiative, 1991
[AD-A237658] 21 p3571 N91-29853

ANALYTIC SCIENCES CORP., READING, MA.
Enhancement of the omega system availability algorithm
[AD-A224814] 03 p0310 N91-11739
Omega system Performance Assessment and Coverage Evaluation (PACE) workstation design and implementation, volume 1
[AD-A235225] 18 p2924 N91-26128
Omega/VLF signal coverage database development
[AD-A235226] 18 p2924 N91-26129
Evaluation and validation guidebook, version 3.0
[AD-A236494] 19 p3230 N91-27853
Omega system availability as a global measure of navigation accuracy
[AD-A229492] 22 p3616 N91-30114
Performance Assessment and Coverage Evaluation (PACE) workstation (user manual)
[AD-A239723] 23 p3788 N91-31122
OMEGA system Performance Assessment and Coverage Evaluation (PACE) workstation design and implementation, volume 2
[AD-A239724] 23 p3788 N91-31123
Analysis and evaluation of selected PACE applications
[AD-A239726] 23 p3788 N91-31124

ANALYTICAL ENGINEERING CORP., NORTH OLMSTED, OH.
An historical perspective of the NERVA nuclear rocket engine technology program
[NASA-CR-187154] 19 p3116 N91-27216

ANALYTICAL MECHANICS ASSOCIATES, INC., HAMPTON, VA.
Power optimal single-axis articulating strategies
[NASA-CR-187510] 13 p2104 N91-21581

ANALYTICAL METHODS, INC., REDMOND, WA.
A novel potential/viscous flow coupling technique for computing helicopter flow fields
[NASA-CR-177568] 11 p1643 N91-19060

ANALYTICAL SCIENCES CORP., DURHAM, NC.
Across North America Tracer Experiment (ANATEX): Model evaluation study
[PB90-261454] 09 p1359 N91-17469

ANALYTICAL SERVICES AND MATERIALS, INC., HAMPTON, VA.
Procedure for implementation of temperature-dependent mechanical property capability in the Engineering Analysis Language (EAL) system
[NASA-CR-187470] 07 p1019 N91-15599
Computation of turbulent high speed mixing layers using a two-equation turbulence model
13 p2015 N91-21084
Zonal analysis of two high-speed inlets
13 p2016 N91-21089
Nonparallel instability of supersonic and hypersonic boundary layers
[NASA-CR-4373] 14 p2188 N91-22085
Interlaminar fracture characterization: A current review
[NASA-CR-187573] 20 p3362 N91-28626
An equivalent domain integral method for three-dimensional mixed-mode fracture problems
[NASA-CR-182021] 23 p3887 N91-31692
Simplified micromechanical equations for thermal residual stress analysis of coated fiber composites
[NASA-CR-187599] 24 p4032 N91-32527

ANALYTICS, INC., WILLOW GROVE, PA.
Artificial intelligence for command and control
[AD-A229342] 22 p3740 N91-30834

ANT NACHRICHTENTECHNIK, BACKNANG (GERMANY, F.R.).
High power optical transmitter package
[ETN-90-98197] 04 p0531 N91-12945
Selection strategy and reliability assessment for SILEX-communication laser diodes
24 p3992 N91-32306
Is the ESA/SCC screening technique more efficient than the MIL specifications? 24 p4005 N91-32392
Specification, procurement and testing of passivated microwave semiconductor chips for space applications
24 p4005 N91-32393

ANTHROPOLOGY RESEARCH PROJECT, YELLOW SPRINGS, OH.
The 1988 anthropometric survey of US Army personnel: Methods and summary statistics
[AD-A225094] 03 p0395 N91-12196

ANTWERP UNIV. (BELGIUM).
Crystallisation experiments with salts (TEXUS 13)
23 p3836 N91-31392

APPALACHIAN REGIONAL COMMISSION, WASHINGTON, DC.
Laser technology development for the Appalachian Region
[PB90-266438] 09 p1341 N91-17363

APPLIED AND THEORETICAL MECHANICS, INC., OAKLAND, CA.
Heat transfer predictions of hypersonic transitional flows
[AD-A230748] 12 p1829 N91-20054

APPLIED MICROWAVE PLASMA CONCEPTS, CARLSBAD, CA.
Development of a tactical high-power microwave source using the Plasma Electron Microwave Source (PEMS) concept
[AD-A234967] 18 p3067 N91-26942

APPLIED RESEARCH ASSOCIATES, INC., ABERDEEN, MD.
Proposed modification of the jet flow from the BRL 1.68-meter shock tube
[AD-A236368] 22 p3623 N91-30158

APPLIED RESEARCH ASSOCIATES, INC., RALEIGH, NC.
Probabilistic structural mechanics research for parallel processing computers
[NASA-CR-187162] 20 p3365 N91-28644

APPLIED RESEARCH CORP., COLLEGE STATION, TX.
Testing the sun-climate connection with paleoclimate data 03 p0441 N91-12468

APPLIED RESEARCH CORP., LANDOVER, MD.
The dependence of UV extinction properties on dust environment 06 p0887 N91-14902
Diffuse galactic light observations at 206 selected areas 06 p0889 N91-14914
Carbon and nitrogen abundances in the supergiants HD 93840 and zeta Per 09 p1437 N91-17919

APPLIED RESEARCH CORP., WASHINGTON, DC.
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517

APPLIED RESEARCH LAB., STATE COLLEGE, PA.
Large flat plate turbulent boundary layer evaluation
[AD-A225316] 03 p0366 N91-12051
Expansion of integral equations arising in scattering theory
[AD-A229830] 12 p1970 N91-20836
A two-scale solution of the forced Rayleigh-Plesset equation governing the dynamics of cavitation bubble vaporous growth
[AD-A232129] 15 p2427 N91-23446
The effect of compliant walls on three-dimensional primary and secondary instabilities in boundary layer transition
[AD-A233150] 16 p2625 N91-24536
Boundary layer transition noise art
[AD-A235093] 18 p3057 N91-26884
Multichannel adaptive vibration control of a mounted plate
[AD-A236106] 19 p3180 N91-27581
Solving least squares problems on distributed memory machines
[AD-A229501] 22 p3743 N91-30856

APPLIED SOLAR ENERGY CORP., CITY OF INDUSTRY, CA.
Status of GaAs/Ge solar cells
11 p1667 N91-19185
Optimization and performance of Space Station Freedom solar cells 11 p1672 N91-19215
Recent advances in GaAs/Ge solar cells
22 p3632 N91-30211
Reverse bias voltage testing of 8 cm x 8cm silicon solar cells 22 p3635 N91-30225

APPLIED TECHNOLOGY ASSOCIATES, INC., ALBUQUERQUE, NM.
Characterizing performance of ultra-sensitive accelerometers 03 p0432 N91-12419

ARC PROFESSIONAL SERVICE GROUP, INC., ROCKVILLE, MD.
AN/AIC-22(V) Intercommunications Set (ICS) fiber optic link engineering analysis report
[AD-A225830] 04 p0583 N91-13249
Test report for photonic sensors used in electric field measurement of simulated electromagnetic pulses
[AD-A231597] 13 p2074 N91-21422

ARCO POWER TECHNOLOGIES, INC., WASHINGTON, DC.
Physics studies in Artificial Ionospheric Mirror (AIM) related phenomena
[AD-A227112] 07 p1028 N91-15644
Physics of RF breakdown for AIM applications
10 p1550 N91-18526
Artificial ionospheric mirrors for radar applications
10 p1554 N91-18545
Electrojet modulation ELF communications
10 p1554 N91-18546
System concept and analysis of an Artificial Ionospheric Mirror (AIM) radar
[AD-A234289] 18 p3011 N91-26630

ARCON CORP., WALTHAM, MA.
Effective dielectric constants of foliage media
[AD-A226296] 04 p0542 N91-13008
High-altitude non-equilibrium infrared emission models
[AD-A232503] 15 p2465 N91-23659
Research and development for Digital Voice Processing (DVP)
[AD-A238280] 21 p3501 N91-29427
Acoustic background noise variation in Air Force platforms and its effect on noise removal algorithms
[AD-A238279] 21 p3572 N91-29863

ARGE-DETECON, BONN (GERMANY, F.R.).
Experiences with components in the DFS-project: Seen from a customer's point of view
24 p4001 N91-32366

ARGONNE NATIONAL LAB., IDAHO FALLS, ID.
Hadronic photons and collider diffractive physics
[DE91-016514] 24 p4096 N91-32888

ARGONNE NATIONAL LAB., IL.
Self-lubricating boric acid films for tribological applications
[DE90-007805] 01 p0029 N91-10171
Overdischarge protection in high-temperature cells and batteries
[DE90-015180] 01 p0037 N91-10220
Two-phase flow patterns and frictional pressure gradients in a small, horizontal, rectangular channel
[DE90-014802] 01 p0040 N91-10236
Proceedings of the 8th Symposium on Energy Engineering Sciences: Micro/Macro Studies of Multiphase Media
[DE90-014844] 01 p0064 N91-10385
Ultra-thin vertical magneto-optical media and system for using same
[DE90-014589] 01 p0104 N91-10603
High-temperature superconductors: Their potential for utility applications
[DE90-009704] 01 p0128 N91-10757
Impact of high-critical-temperature superconductors on electromagnetic pump applications
[DE90-014809] 01 p0128 N91-10759
YBa2Cu3O(x) composites with improved toughness and strength
[DE90-011180] 01 p0132 N91-10782
Chemical identification of icosahedral structure for cobalt and nickel clusters
[DE90-017688] 02 p0196 N91-11100
Liquid alloys with strong interactions
[DE90-017661] 02 p0197 N91-11102
Molecular-dynamics study of grain-boundary migration in metals
[DE90-017856] 02 p0197 N91-11104
Relationship of microstructure and tensile properties for neutron-irradiated vanadium alloys
[DE90-017863] 02 p0197 N91-11105
Laser Raman spectroscopy for in-situ analysis of corrosion films on metals
[DE90-017822] 02 p0198 N91-11109
Development of high performance sodium/metal chloride cells
[DE90-017668] 02 p0207 N91-11159
Unsteady fluid forces and fluidelastic vibration of a group of circular cylinders
[DE90-013661] 02 p0213 N91-11190
Wear reduction in cutting tools: Tribological properties of hard coatings
[DE90-009705] 02 p0217 N91-11212
Ocean thermal energy conversion: Perspective and status
[DE90-017665] 02 p0233 N91-11299
Energy models and national energy policy
[DE90-017682] 02 p0233 N91-11300
Evaluating the environmental impacts of the energy system: The ENPEP (Energy and Power Evaluation Program) approach
[DE90-017862] 02 p0234 N91-11309
Parameterizations of microphysical processes in clouds
[DE90-017820] 02 p0241 N91-11344
Protection by WR-2721 and WR-151327 against late effects of gamma rays and neutrons
[DE90-017792] 02 p0243 N91-11352
The structure and function of membrane protein photosynthetic reaction center
[DE90-017795] 02 p0243 N91-11353
Symbolic manipulation software and the study of differential equations
[DE90-017674] 02 p0254 N91-11413
Computation of standard deviations in Eigenvalue calculations
[DE90-017809] 02 p0264 N91-11479
Phenomenology of forces acting between magnets and superconductors
[DE90-017864] 02 p0265 N91-11487
Three-dimensional computer simulation of non-reacting jet-gas flow mixing in an MHD second stage combustor
[DE90-017831] 02 p0273 N91-11537
Effects of jet port arrangement on three-dimensional non-reacting jet-gas mixing in an MHD second stage combustor
[DE90-017858] 02 p0274 N91-11538
Excess oxygen defects in layered cuprates
[DE90-017669] 02 p0278 N91-11565
Structure of molten salts
[DE90-017704] 02 p0278 N91-11566
Magnetic properties of ultrathin epitaxial films of iron
[DE90-017861] 02 p0279 N91-11570
The transuranium elements: Members of the 5f series
[DE90-017680] 02 p0280 N91-11575
Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
Epitaxial TiO2 and VO2 films prepared by MOCVD (Metal-Organic Chemical Vapor Deposition)
[DE90-017806] 02 p0281 N91-11578
Design and testing of a high temperature superconducting current lead
[DE90-017812] 02 p0281 N91-11579
Superconducting and structural properties of the (Ba(0.6)K(0.4)) (Bi(1-y)Sb(y))O3 system
[DE90-017836] 02 p0281 N91-11580
Structure-property relationships for (beta)- and (kappa)-phase BEDT-TTF salts and their use in the synthesis of (kappa)-(BEDT-TTF)2Cu(N(CN)2)Br. A salt having the highest T(sub c) (inductive onset = 11.6 K, resistive, onset = 12.5 K) yet observed in an organic superconductor
[DE90-017804] 02 p0281 N91-11582
Bragg intensities and diffuse scattering in Ag2Se: Molecular dynamics study
[DE90-017811] 02 p0282 N91-11583
Laser desorption/photoionization time-of-flight mass spectrometry of polymer additives
[DE90-017808] 03 p0343 N91-11923
Evolutionary developments in x ray and electron energy loss microanalysis instrumentation for the analytical electron microscope
[DE90-017799] 03 p0369 N91-12065
Cylinder pressure analysis of a diesel engine using oxygen-enriched air and emulsified fuels
[DE90-017660] 03 p0373 N91-12090
Critical current densities in neutron irradiated high-T(sub c) single crystals
[DE90-017794] 03 p0421 N91-12355
Heat transfer issues in the fabrication and operation of ceramic superconductors
[DE90-017832] 03 p0421 N91-12356
Implementing automatic differentiation efficiently
[DE91-002409] 05 p0702 N91-13913
The advanced software development and commercialization project
[DE91-002956] 05 p0705 N91-13933
A tutorial on the construction of high-performance resolution/paramodulation systems
[DE91-001096] 05 p0707 N91-13942
Atomic and molecular theory
[DE91-004475] 05 p0714 N91-13983
Modeling and analysis of surface roughness effects on sputtering, reflection, and sputtered particle transport
[DE91-004429] 05 p0722 N91-14026
Ion-induced grain growth in multilayer and coevaporated metal alloy thin films
[DE91-004489] 06 p0810 N91-14472
An accurate product SVD (singular value decomposition) algorithm
[DE91-004448] 06 p0862 N91-14765
Initial data from the Soudan 2 experiment
[DE91-004454] 06 p0871 N91-14815
Design and application possibilities of superconducting radio-frequency quadrupoles
[DE91-004477] 06 p0883 N91-14881
Experimental results in superconducting niobium resonators for high-brightness ion beam acceleration
[DE91-004478] 06 p0883 N91-14882
First tests of a superconducting RFQ (radio frequency quadrupole) structure
[DE91-004483] 06 p0883 N91-14883
An ion-channeling study of irradiation-induced amorphization of YBa2Cu3O(7-x)
[DE91-004488] 06 p0884 N91-14884
High-temperature mechanical properties of SiC whisker reinforced Al2O3 composites
[DE91-004424] 07 p0970 N91-15324
Uses of ion bombardment in thin-film deposition
[DE91-004461] 07 p0986 N91-15411
Performance and life evaluation of nickel/iron battery technology for dual shaft electric propulsion vehicle
[DE91-004417] 07 p0999 N91-15483
Domain-decomposable preconditioners for second-order upwind discretizations of multicomponent systems
[DE91-004447] 07 p1002 N91-15502
Quantitative MRI (Magnetic Resonance Imaging) measurement of binder distributions in green-state ceramics
[DE91-004418] 07 p1013 N91-15564
Strategies for mimicking the primary events of bacterial photosynthesis: Structure, function, and mechanism
[DE91-004449] 07 p1033 N91-15667
Theory Institute in Automated Reasoning
[DE91-001097] 07 p1055 N91-15798
Two-electron excitation in slow ion-atom collisions: Excitation mechanisms and interferences among autoionizing states
[DE91-004474] 07 p1065 N91-15856
Ion-channeling study of anomalous atomic displacements at the superconducting transition in high-Tc materials
[DE91-004408] 07 p1073 N91-15904
Morphology and motion of the interface between amorphous and crystalline cobalt disilicide
[DE91-004440] 07 p1073 N91-15906
Index to place of publication of ASME Papers, 1978 to 1988
[DE91-004654] 07 p1077 N91-15923
High resolution electron microscopy of interfaces in fcc materials
[DE91-004420] 08 p1111 N91-16101
Thermal aging of cast stainless steels: Mechanisms and predictions
[DE90-010093] 08 p1113 N91-16115
Desorption of H2O and H2 from steel and LiAO2 by temperature programmed desorption
[DE90-011170] 08 p1114 N91-16118
A study of the formation and self-lubrication mechanisms of boric acid films on boric oxide coatings
[DE90-010115] 08 p1117 N91-16137
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE90-011092] 08 p1118 N91-16141
Neoclassical effects on RF current drive
[DE90-010302] 08 p1131 N91-16222
Status of Argonne life evaluation of valve regulated lead-acid batteries
[DE90-011098] 08 p1132 N91-16229
Requirements for a fuel cell for transportation application
[DE90-011146] 08 p1133 N91-16230
Evaluation of novel solid electrolyte materials
[DE90-011164] 08 p1133 N91-16231
A method for pressure-pulse suppression in fluid-filled piping
[DE90-010408] 08 p1137 N91-16260
Parametric study of electrostatically charged sprays
[DE90-010580] 08 p1138 N91-16262
Circumfluous motion of a conductive liquid around solid objects in a magnetic field
[DE90-011335] 08 p1138 N91-16265
A summary of prospects for methanol vehicles in the United States
[DE90-009719] 08 p1156 N91-16370
Technical and economic evaluation of diesel engine with oxygen enrichment and water injection
[DE90-009723] 08 p1157 N91-16373
Magnetic heat pumps
[DE90-010305] 08 p1157 N91-16375
Study of the influence of imperfections on the dynamic stability of tanks
[DE90-011094] 08 p1162 N91-16398
Contemporary issues in solar pond research
[DE90-010094] 08 p1169 N91-16436
Technological and policy options for mitigating greenhouse gas emissions from mobile sources
[DE90-010151] 08 p1171 N91-16447
Greenhouse gas emissions from selected alternative transportation fuels market niches
[DE90-010491] 08 p1171 N91-16448
A block QR factorization algorithm for rank-deficient matrices
[DE90-010066] 08 p1196 N91-16573
Using MAPLE for symbolic computations in robotics
[DE90-010405] 08 p1197 N91-16576
Wakefield calculations on parallel computers
[DE90-009712] 08 p1206 N91-16632
Skolem functions and equality in automated deduction
[DE90-009703] 08 p1206 N91-16641
State-to-state inelastic and reactive molecular beam scattering from surfaces
[DE90-010492] 08 p1219 N91-16714
Puzzles of electron transfer
[DE90-010541] 08 p1220 N91-16720
Analytic Multi-Regge Theory and the Pomeron in QCD
[DE90-012153] 08 p1223 N91-16737
A free boundary problem arising in plasma physics
[DE90-010065] 08 p1226 N91-16754
Electromagnetic computations for fusion devices
[DE90-011097] 08 p1227 N91-16765
The measurement of gamma heating in a fusion blanket test assembly
[DE90-011154] 08 p1227 N91-16766
Hyperfine interactions associated with iron substituted superconducting oxides
[DE90-010411] 08 p1230 N91-16783

Modeling the performance of water and liquid gallium cooled x ray optical components: A comparison with experiment
[DE90-010460] 08 p1231 N91-16784

Calculation of free energy from the internal-energy distribution function
[DE90-011111] 08 p1232 N91-16791

High Tc oxide solid state reaction kinetics via complex impedance spectroscopy
[DE90-011178] 08 p1232 N91-16792

A search for good lattice rules based on the reciprocal lattice generator matrix
[DE91-004425] 08 p1235 N91-16809

Correlation between the elastic-shear-instability-mechanism and empirical criteria for irradiation-induced amorphization
[DE91-004481] 08 p1235 N91-16810

Highlights of the Chemical Technology (CMT) Division's activities
[DE90-008242] 08 p1269 N91-16984

Atomistic simulation of radiation-induced amorphization of the B2 ordered intermetallic compound NiTi
[DE91-006032] 09 p1315 N91-17216

Ion beam modifications of near-surface compositions in ternary alloys
[DE91-006035] 09 p1315 N91-17217

Metallic superlattices: Structural and elastic properties
[DE91-006037] 09 p1316 N91-17223

Stress corrosion cracking of candidate structural materials under simulated first-wall/aqueous coolant environments
[DE91-006370] 09 p1316 N91-17225

Microstructural evolution in a ferritic-martensitic stainless steel and its relation to high-temperature deformation and rupture models
[DE91-006471] 09 p1316 N91-17227

Swelling and tensile properties of neutron-irradiated vanadium alloys
[DE91-006588] 09 p1317 N91-17228

Temperature dependence of the first sharp diffraction peak in vitreous silica
[DE90-011181] 09 p1317 N91-17230

Solid-particle erosion of aluminum/particulate ceramic composites
[DE91-006078] 09 p1319 N91-17241

Simulation studies of diesel engine performance with oxygen enriched air and water emulsified fuels
[DE91-006053] 09 p1348 N91-17404

FormEd: An X Window System application for managing first-order formulas
[DE91-005214] 09 p1383 N91-17608

Bilingual parallel programming
[DE91-006030] 09 p1389 N91-17638

Quantum maps for deformed algebras
[DE90-010583] 09 p1390 N91-17645

Automatic evaluation of first- and higher-derivative vectors
[DE91-006028] 09 p1391 N91-17657

Sub-barrier fusion and near-barrier quasi-elastic scattering
[DE91-006046] 09 p1396 N91-17685

The f-electron systems: Pushing band theory
[DE91-006087] 09 p1397 N91-17689

Experiments with Fermilab polarized proton and polarized antiproton beams
[DE91-006027] 09 p1398 N91-17692

Application of RF superconductivity to high-brightness ion-beam accelerators
[DE91-006481] 09 p1398 N91-17695

Li overlayer formation, oxidation, and sputtering characteristics of Al-Li alloys and W/Al-Li composites for fusion applications
[DE91-006529] 09 p1408 N91-17750

Pinning in twin boundaries of YBa2Cu3O(7-delta) single crystals
[DE91-006019] 09 p1414 N91-17784

Calculation of defect properties of NiTi and FeTi
[DE91-006033] 09 p1414 N91-17785

Tilt grain boundaries in YBa2Cu3O(7-x) thin films
[DE91-006088] 09 p1414 N91-17786

Vibronic interaction and crystal structure distortion in Cm4(+):CeF4
[DE91-006093] 09 p1415 N91-17787

In situ study of the effects of heavy-ion irradiation on co-evaporated CoSi2 films
[DE91-006419] 09 p1415 N91-17792

Irradiation defect structures in YBa2Cu3O(7-x) and their correlation with superconducting properties
[DE91-006420] 09 p1416 N91-17793

Characterization of nanocrystalline Pd by x ray diffraction and EXAFS
[DE91-006441] 09 p1416 N91-17794

A review of basic phenomena and techniques for sputter-deposition of high temperature superconducting films
[DE91-006468] 09 p1416 N91-17795

Processing and fabrication of YBa2Cu3O(x)/Ag composite wires and coils
[DE91-006532] 09 p1416 N91-17796

Electron microscopy study of MOCVD-grown TiO2 thin films and TiO2/Al2O3 interfaces
[DE91-006544] 09 p1416 N91-17797

In situ study of effects of ion-irradiation on solid state crystallization of cobalt disilicide thin films
[DE91-006547] 09 p1417 N91-17798

Thermomechanical processing of YBa2Cu3O(x)/Ag sheathed wires
[DE91-006548] 09 p1417 N91-17799

Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800

Mechanisms controlling the in-situ formation and superconducting properties of Bi-Sr-Ca-Cu-O films
[DE91-006559] 09 p1417 N91-17801

Texture analysis of bulk YBa2Cu3O(x) by neutron diffraction
[DE91-006563] 09 p1417 N91-17802

Control of YBa2Cu3O(7-x) degradation during heat treatment
[DE91-006564] 09 p1417 N91-17803

Degradation of properties of YBa2Cu3O(x) superconductors sintered in CO2-containing atmosphere
[DE91-006569] 09 p1418 N91-17804

Atmosphere control during preparation of YBa2Cu3O(7-x) magnet windings
[DE91-006570] 09 p1418 N91-17805

Tunneling spectroscopy measurements on low-leakage junctions of Nd(1.85)Ce(0.15)CuO(4-y) and Ba(1-x)K(x)BiO3
[DE91-006585] 09 p1418 N91-17806

Critical currents, magnetic relaxation, and microstructure in zone-melted YBa2Cu3O(x)
[DE91-006594] 09 p1418 N91-17807

Dissipation in high-temperature superconductors in a magnetic field
[DE91-006596] 09 p1418 N91-17808

Believability of signals from cosmic ray sources
[DE91-006489] 09 p1450 N91-18001

Copper contamination effects on hydrogen-air combustion under SCRAMJET (Supersonic Combustion Ramjet) testing conditions
[DE91-006545] 10 p1472 N91-18111

Three-dimensional nuclear magnetic resonance and x ray microtomographic imaging of composite materials
[DE91-006477] 10 p1493 N91-18220

The role of Zr and Nb in oxidation/sulfidation behavior of Fe-Cr-Ni alloys
[DE91-005749] 10 p1498 N91-18247

Tensile strength and creep resistance in nanocrystalline Cu, Pd, and Ag
[DE91-006416] 10 p1499 N91-18248

Effect of postdeposition annealing on structure and chemistry of the TiN film/steel substrate interfaces
[DE91-006657] 10 p1499 N91-18249

Thermal spike model of ion-induced grain growth
[DE91-006571] 10 p1499 N91-18252

Multidisciplinary study of phase separation in a supersaturated Ni-Si alloy
[DE91-006586] 10 p1499 N91-18253

Optical determination of the oxygen stoichiometry of nanophase metal-oxide materials
[DE91-006364] 10 p1501 N91-18259

Mechanical behavior of nanocrystalline metals
[DE91-006422] 10 p1501 N91-18260

Kinetic energy of hydrogen in beta-V2H studied by neutron Compton scattering
[DE91-006589] 10 p1501 N91-18261

Electron trapping in amorphous silicon: A quantum molecular dynamics study
[DE91-006008] 10 p1503 N91-18272

Measurements of grain boundary properties in nanocrystalline ceramics
[DE91-006662] 10 p1503 N91-18273

Impurity-defect complexes in hydrogenated amorphous silicon
[DE91-006765] 10 p1503 N91-18274

Interdiffusion at the bilayer polymer interface: Evidence for reptation
[DE91-004405] 10 p1504 N91-18276

Is superplasticity in the future of nanophase materials
[DE91-006079] 10 p1504 N91-18278

The role of soft (metallic) film in tribological behavior of ceramic materials
[DE91-006003] 10 p1505 N91-18283

User's guide to DIANE version 2.1: A microcomputer software package for modeling battery performance in electric vehicle applications
[DE91-006071] 10 p1518 N91-18356

Lithium batteries for pulse power
[DE91-006663] 10 p1519 N91-18365

Testing of a sodium heat pipe
[DE91-005834] 10 p1524 N91-18392

Recent developments in laser-driven polarized sources
[DE91-006600] 10 p1529 N91-18419

Energy-efficiency comparison of advanced ammonia heat-exchanger types
[DE91-006470] 10 p1541 N91-18480

Application of the monolithic solid-oxide fuel cell to space power systems
[DE91-005833] 10 p1541 N91-18484

An extended model for electron spin polarization in photosynthetic bacteria
[DE91-006091] 10 p1558 N91-18569

Computer simulation and scientific visualization
[DE91-006394] 10 p1575 N91-18668

An architecture for device independent interfacing
[DE91-006451] 10 p1575 N91-18669

Increasing the granularity of parallelism and reducing contention in automatic differentiation
[DE91-004747] 10 p1580 N91-18694

Overview of RF systems for the advanced photon source
[DE91-006395] 10 p1592 N91-18780

Measurements of the RF surface resistance of high-Tc superconductors
[DE91-006554] 10 p1605 N91-18857

Silver sheathing of high-Tc superconductor wires
[DE91-006557] 10 p1605 N91-18858

Interactions of energetic particles and clusters with solids
[NASA-CR-188000] 10 p1606 N91-18865

Thermodynamic behavior of high-Tc oxide systems via EMF and related measurements
[DE91-006590] 10 p1607 N91-18866

Preparation and properties of Y-124 superconductor made by a chemical precipitation method
[DE91-006592] 10 p1607 N91-18867

High electric fields in a superconducting RFQ structure
[DE91-006593] 10 p1607 N91-18868

Texture characterization of high Tc thick films
[DE91-006652] 10 p1607 N91-18870

Second harmonic generation and sum frequency generation
[DE91-006654] 10 p1609 N91-18883

Evaluation of a central-difference-like method for the solution of the convection-diffusion equation
[DE91-006550] 10 p1611 N91-18890

User's guide for the Data Analysis, Retrieval, and Tabulation System (DARTS), revised edition: A mainframe computer code for generating cross-tabulation reports
[DE91-006615] 10 p1613 N91-18902

The application of neutron diffraction time-of-flight measurements to the study of strain in composites
[DE91-008106] 11 p1677 N91-19242

Two-dimensional non-reacting jet-gas mixing in an MHD (magnetohydrodynamic) second stage combustor
[DE91-006015] 11 p1679 N91-19252

Remote detection of organics using Fourier transform infrared spectroscopy
[DE91-006045] 11 p1679 N91-19253

Effects of atmosphere and heating rate during processing of a ceramic superconductor
[DE91-007761] 11 p1687 N91-19299

Assessment of tamper-revealing ceramic seals
[DE91-007793] 11 p1688 N91-19301

Methanol reformers for fuel cell powered vehicles: Some design considerations
[DE91-006465] 11 p1691 N91-19314

High power, high frequency lasertron RF sources
[DE91-006007] 11 p1709 N91-19414

Oxygen-enriched diesel engine performance: A comparison of analytical and experimental results
[DE91-006491] 11 p1714 N91-19440

Thermal-hydraulic model of a solid-oxide fuel cell
[DE91-006393] 11 p1726 N91-19507

Design and cost of near-term OTEC (Ocean Thermal Energy Conversion) plants for the production of desalinated water and electric power
[DE91-006406] 11 p1727 N91-19508

Analysis of workload and load balancing issues in the NCAR community climate model
[DE91-008052] 11 p1734 N91-19534

Some neutronics and thermal-hydraulics codes for reactor analysis using personal computers
[DE91-006591] 11 p1776 N91-19743

Summer institute in parallel programming
[DE91-007922] 11 p1779 N91-19760

Variational Monte Carlo studies of electromagnetic structure of few-body nuclei
[DE91-007756] 11 p1793 N91-19838

Variational Monte Carlo calculations of nuclear ground states
[DE91-007760] 11 p1794 N91-19842

A method for determining poloidal coil configurations for tokamak devices
[DE91-007940] 11 p1803 N91-19903

Silver-sheathed multifilament wires
[DE91-008107] 11 p1810 N91-19941
LOCA analysis for manganese-stabilized steel
[DE91-008809] 12 p1871 N91-20283
Large aperture CCD x ray detector for protein crystallography using a fiberoptic taper
[DE91-008832] 12 p1902 N91-20464
Defects, oxygen ordering and properties of La-Cu-O and Ba-Bi-O superconductors
[DE91-008811] 12 p1992 N91-20967
Phase equilibria in the Bi-Sr-Ca-Cu-O system near the Bi2Sr2Ca1Cu2(y) superconductor at 865 C in oxygen
[DE91-008831] 12 p1993 N91-20969
Signals from cosmic ray sources, some statistical issues
[DE91-008727] 12 p2009 N91-21054
Analytical chemistry laboratory
[DE91-008986] 13 p2048 N91-21266
Heat-rate improvements obtained with the use of enhanced tubes in surface condensers
[DE91-006565] 13 p2078 N91-21449
Dynamic tube/support interaction in heat exchanger tubes
[DE91-006089] 13 p2104 N91-21582
Automated computer software development standards enforcement
[DE91-007328] 13 p2134 N91-21748
Functional specifications for mathematical computations
[DE91-006002] 13 p2143 N91-21803
Fast shower simulation based on Gau(beta)'s law
[DE91-009885] 14 p2258 N91-22492
An Assessment of Scientific Computing Technology 1991-2001
[DE91-009819] 14 p2302 N91-22719
Practical superconductor development for electrical power applications
[DE91-010015] 14 p2337 N91-22919
Diffusion in YBa2Cu3O7-(delta)
[DE91-010268] 14 p2337 N91-22920
Microbeam titanium isotopic analysis by resonance ionization mass spectrometry
[DE91-010799] 15 p2398 N91-23277
Applications of energetic particles in improving coating adhesion properties
[DE91-008833] 15 p2404 N91-23312
Characterization of active materials and electrodes for battery R and D
[DE91-010758] 15 p2418 N91-23390
Two-phase flow patterns and frictional pressure gradients in a small rectangular channel
[DE91-009652] 15 p2421 N91-23414
A first-principles generic methodology for representing the knowledge base of a process diagnostic expert system
[DE90-017693] 15 p2441 N91-23520
Approximating the dynamic response of strain-hardening structures
[DE91-006392] 15 p2443 N91-23534
A theory for fluidelastic instability of tube-support-plate inactive modes
[DE91-009676] 15 p2444 N91-23538
A theory for fluidelastic instability of tube-support-plate inactive modes
[DE91-006001] 15 p2445 N91-23542
Table-lookup algorithms for elementary functions and their error analysis
[DE91-006047] 15 p2483 N91-23743
Visual presentation and computer animation
[DE91-010599] 15 p2483 N91-23745
Comment on: Analytic solution of the Stochastic-Liouville model of spin-exchange
[DE91-010570] 15 p2503 N91-23861
Recent results and future prospects for the polarized beam at Fermilab
[DE91-010590] 15 p2503 N91-23862
Cold moderators for pulsed neutron sources
[DE91-010594] 15 p2503 N91-23866
Sintering and hot isostatic pressing of Bi2Sr2CaCu2O(x)
[DE91-010797] 15 p2516 N91-23945
Implementation and verification of a viscoplastic material model using the ANSYS code
[DE91-010571] 16 p2607 N91-24447
The 1990 SAE methanol challenge: Summary of a successful student design competition
[DE91-010276] 16 p2612 N91-24462
CTD writing and editing standards
[DE91-010327] 16 p2618 N91-24496
Advantages of polarization experiments at RHIC
[DE91-011173] 16 p2685 N91-24870
Proton-induced fission at ultra sub-barrier energies
[DE91-011169] 16 p2687 N91-24874
Thermodynamic behavior of high-T(sub c) oxide systems via EMF and related measurements
[DE91-010589] 16 p2695 N91-24924
Mathematical models of superconductivity
[DE91-010827] 16 p2695 N91-24925
Quantification of atomic-scale grain boundary parameters by high resolution electron microscopy
[DE91-011181] 17 p2760 N91-25280
Residual stress calculations in whisker-reinforced ceramic matrix composites
[DE91-011163] 17 p2762 N91-25290
Nuclear magnetic resonance imaging of green-state ceramics
[DE91-010750] 17 p2762 N91-25292
Applications of neutron reflectivity: Polymers and magnetism
[DE91-010759] 17 p2762 N91-25293
Mechanistic interpretation of glass reaction: Input to kinetic model development
[DE91-010794] 17 p2762 N91-25294
The relation of Hertzian contact pressure to friction behavior of self-lubricating boric acid films
[DE91-010592] 17 p2783 N91-25403
DOE-OTM tribology program
[DE91-010995] 17 p2784 N91-25405
The potential role of maglev in short-haul airline operations
[DE91-010813] 17 p2784 N91-25408
Combined solid and liquid lubrication of silicon nitride under boundary conditions
[DE91-011164] 17 p2784 N91-25409
Tradeable permits for global warming control: Implications for regional economies and public utilities
[DE91-010822] 17 p2807 N91-25520
Energy technology and emissions control for acid rain abatement in Asia
[DE91-011162] 17 p2808 N91-25523
Protection against UVA-induced photooxidative damage in mammalian cell lines expressing increased levels of metallothionein
[DE91-010791] 17 p2822 N91-25596
Exploiting parallelism in automatic differentiation
[DE91-011841] 17 p2839 N91-25692
Optimization approaches to nonlinear model predictive control
[DE91-011178] 17 p2841 N91-25701
Extrapolation-based boundary element quadrature
[DE91-011175] 17 p2847 N91-25735
Sputtering of molecules from ZnS, CdS, and FeS2
[DE91-010279] 17 p2870 N91-25878
Preparation and characterization of YBa2Cu4O8 superconductor
[DE91-010596] 17 p2872 N91-25885
Superconducting films made by spin-coating of acetate solutions
[DE91-011119] 17 p2872 N91-25888
Enhanced flux pinning by crystal defects in melt-textured YBa2CuO(x)
[DE91-011120] 17 p2873 N91-25889
Preparation of YBa2Cu3O(x) superconductor via ternary precursors
[DE91-011121] 17 p2873 N91-25890
Strength/grain-size relationships and internal stresses in YBa2Cu3O(x) superconductors
[DE91-011180] 17 p2873 N91-25891
Critical current and flux pinning by crystal defects in melt-textured YBa2Cu3O(x)
[DE91-011749] 17 p2874 N91-25895
High-speed MLS databases using the datacycle architecture
[DE91-011172] 17 p2888 N91-25969
Chemical phase separation in binary iron-chromium alloys
[DE91-010282] 18 p2953 N91-26294
Adsorption of ammonia on iron clusters
[DE91-011125] 18 p2955 N91-26308
Mechanical behavior of nanocrystalline Cu, Pd, and Ag samples
[DE91-011747] 18 p2955 N91-26310
A tribological investigation of the graphite-to-diamond-like behavior of amorphous carbon films ion-beam-deposited on ceramic substrates
[DE91-010816] 18 p2967 N91-26379
Sloshing response in a tank containing two liquids
[DE91-011844] 18 p2986 N91-26487
Implementation of the flow-modulated skew-upwind difference scheme in the COMMIX-1C code: A first assessment
[DE91-011168] 18 p2986 N91-26489
Elementary reaction rate measurements at high temperatures by tunable-laser flash-absorption
[DE91-011850] 18 p2991 N91-26516
Acid rain in Asia
[DE91-011160] 18 p3005 N91-26595
AQUIS: An air quality and permit information management system
[DE91-011750] 18 p3008 N91-26608
Pumping system fault detection and diagnosis utilizing pattern recognition and fuzzy inference techniques
[DE91-011849] 18 p3053 N91-26863
Theoretical studies of potential energy surfaces and computational methods
[DE91-011126] 18 p3060 N91-26902
Multi-dimensional computer simulation of MHD combustor hydrodynamics
[DE91-011851] 18 p3067 N91-26946
Formation of intermediate compounds during reduced pressure calcination of Y-Ba-Cu-O precursor
[DE91-011179] 18 p3071 N91-26971
On the nature of grain boundary structures in nanophase materials
[DE91-010285] 18 p3072 N91-26978
Defects in decomposed YBa2Cu4O8 (124) superconductor after rapid annealing
[DE91-010597] 18 p3072 N91-26979
Efficient photoinduced charge separation and storage in the solid state, rates, energetics, and spin-polarization
[DE91-010727] 18 p3073 N91-26980
Critical currents in proton irradiated YBa2Cu3O(7-delta) crystals
[DE91-011835] 18 p3073 N91-26982
HREM study of heteroepitaxial interfaces in the TiO2/Al2O3 system
[DE91-012473] 18 p3074 N91-26986
Structure and structural diversity in resinites as determined by pyrolysis-gas chromatography-mass spectrometry
[DE91-010798] 19 p3136 N91-27327
The Lanczos algorithm for the generalized symmetric eigenproblem on shared-memory architectures
[DE91-006044] 19 p3217 N91-27781
On the parallelization of an adaptive multigrid algorithm for a class of flow problems
[DE91-010795] 19 p3232 N91-27867
Photoinduced charge separation and recombination: The influence of medium on rates and energetics
[DE91-010267] 19 p3240 N91-27920
Common threads in imaging and photocatalysis: Silver, silver halides, and semiconductors
[DE91-010626] 19 p3250 N91-27980
Assessing the risk of transporting hazardous materals by aircraft: A case study
[DE91-014016] 20 p3281 N91-28147
Evaluation of aging of cast stainless steel components
[DE91-014013] 20 p3317 N91-26361
Temperature dependence of the elastic behavior of structurally disordered metallic superlattices
[DE91-014007] 20 p3320 N91-28377
Development of nondestructive evaluation methods and prediction of effects of flaws on the fracture behavior of structural ceramics
[DE91-012471] 20 p3325 N91-28410
Creep and diffusion in nonstoichiometric oxides
[DE91-013766] 20 p3329 N91-28435
Boundary lubrication of ceramic materials by soft metallic coating and synthetic oil
[DE91-014017] 20 p3354 N91-28577
Sealant research for SOFC
[DE91-014012] 20 p3356 N91-28592
Plastic analysis of a circular rod subjected to sinusoidal thermal cycling
[DE91-011845] 20 p3359 N91-28609
Calculation of pressure distribution in vacuum systems using a commercial finite element program
[DE91-013611] 20 p3363 N91-28629
High-throughput liquid-absorption air and aerosol sampler
[DE91-013762] 20 p3370 N91-28670
Work plan for the preliminary site investigation for McMurdo Station, Ross Island, Antarctica
[DE91-015100] 20 p3371 N91-28675
Research in mathematics and computer science at Argonne, September 1989-February 1991
[DE91-012989] 20 p3382 N91-28734
An iterative substructuring algorithm for problems in three dimensions
[DE91-014388] 20 p3386 N91-28758
A multilingual parallelization of the icosahedral-hexagonal grid system for integration on the sphere
[DE91-013615] 20 p3386 N91-28762
Automated reasoning contributes to mathematics and logic
[DE91-014005] 20 p3387 N91-28765
Quantized planes and multiparameter deformations of Heisenberg and GL(N) algebras
[DE91-012481] 20 p3391 N91-28793
Effect of guideway discontinuities on magnetic levitation and drag forces
[DE91-014011] 20 p3395 N91-28815
Mode selectivity in cluster-molecule interactions: Ni13 + D2
[DE91-013352] 20 p3402 N91-28859

The Soudan 2 honeycomb calorimeter
[DE91-013404] 20 p3403 N91-28860

Photodisintegration of the deuteron at medium and high energies
[DE91-014458] 20 p3403 N91-28865

High Energy Physics Division semiannual report of research activities, July 1, 1990--December 31, 1990
[DE91-012339] 20 p3404 N91-28868

Simulation of combustion processes in an MHD second stage combustor
[DE91-014014] 20 p3420 N91-28968

Interlayer pairing and c-axis versus ab-plane gap anisotropy in high Tc superconductor
[DE91-012218] 20 p3426 N91-29005

Effect of size and geometry on levitation force measurements between permanent magnets and high-temperature superconductors
[DE91-012472] 20 p3427 N91-29008

Evolution of defect cluster distributions during irradiation
[DE91-013405] 20 p3429 N91-29024

The interaction of HVEM-generated point-defects with dissociated dislocations
[DE91-013353] 20 p3430 N91-29027

Flux dynamics in a single crystal of Bi2Sr2CaCu2O(x)
[DE91-013763] 20 p3431 N91-29036

X ray diffraction study of heteroepitaxy of MOCVD grown TiO2 and VO2 films on sapphire single crystals
[DE91-013764] 20 p3432 N91-29037

Flux pinning and dissipation in high-temperature superconductors
[DE91-014466] 20 p3432 N91-29042

Molecular dynamics simulation of the effect of interfaces in melting and solid-state amorphization
[DE91-015550] 21 p3477 N91-29284

Characteristics of autoclave and in-reactor nodular corrosion of Zircaloys
[DE91-013600] 21 p3479 N91-29294

Biofouling and corrosion fouling of plain and enhanced aluminum surfaces
[DE91-014464] 21 p3480 N91-29300

ANL's development of conductive ceramic components for MCFC
[DE91-015557] 21 p3485 N91-29336

The 3-D NMR imaging: A chemical microscope for analysis of heterogeneous macromolecular networks
[DE91-015109] 21 p3491 N91-29375

Materials research for sodium engine development
[DE91-015715] 21 p3492 N91-29378

Minimization of refrigeration power requirements for mechanical supports in cryogenic systems
[DE91-015720] 21 p3495 N91-29392

The APS radio frequency test stand control system
[DE91-015711] 21 p3502 N91-29434

Performance and life evaluation of advanced battery technologies for electric vehicle applications
[DE91-015671] 21 p3509 N91-29482

Analysis of condensation and evaporation of ammonia/water mixtures in matrix heat-exchangers
[DE91-014461] 21 p3512 N91-29500

Adiabatic two-phase flow frictional pressure drop. Part 2: A generalized method for data correlation
[DE91-014462] 21 p3512 N91-29501

Adiabatic two-phase flow frictional pressure drop. Part 1: Critical parameters and friction factors for air-water mixture
[DE91-014463] 21 p3512 N91-29502

Prediction of the pressure drop in transverse, repeated-rib tubes with numerical modeling
[DE91-014465] 21 p3512 N91-29503

Development of laser optics for the AWA photocathode
[DE91-015552] 21 p3525 N91-29581

Developmental status and system studies of the monolithic solid oxide fuel cell
[DE91-014389] 21 p3536 N91-29645

Parameterizations of microphysical processes for simulation of regional-scale clouds
[DE91-015554] 21 p3545 N91-29696

The advanced software development and commercialization project
[DE91-015756] 21 p3562 N91-29797

Maglev system concept using 20-K high-temperature superconductors and hyperconductors
[DE91-015714] 21 p3572 N91-29860

Superdeformation: An experimental review
[DE91-015566] 21 p3577 N91-29894

Interactions of turbulent eddies and combustion in an MHD second stage combustor
[DE91-015722] 21 p3589 N91-29968

High resolution electron microscopy of grain boundaries
[DE91-010593] 21 p3590 N91-29970

Ruddlesden-Popper phases $A(n+1)M(n)O(3n+1)$: Structures and properties
[DE91-011748] 21 p3591 N91-29973

Photoemission and electronic structure studies of YBa2Cu3O(x)
[DE91-014469] 21 p3592 N91-29979

Inverse problem in neutron reflection
[DE91-014457] 21 p3593 N91-29984

De Haas-van Alphen and Fermi surface studies of organic superconductors (ET)2X
[DE91-015137] 21 p3593 N91-29987

Low temperature flux creep in high-T(sub c) superconductors
[DE91-015193] 21 p3593 N91-29988

Photoemission measurement of Fermi surface, band dispersion, and quasiparticle lifetime in YBa2Cu3O6.9
[DE91-015194] 21 p3593 N91-29989

Correlations between grain boundary structure and energy
[DE91-015204] 21 p3593 N91-29990

Fabrication and wire extrusion of ceramic superconductors
[DE91-015207] 21 p3594 N91-29991

Synthesis and superconductivity in Ba(1-x)K(x)BiO3
[DE91-015254] 21 p3594 N91-29992

Consolidation and plasticity of Bi-Sr-Ca-Cu-O superconductors
[DE91-015544] 21 p3599 N91-30028

High-(Tc) superconductors: Fabricating technologies and future perspectives
[DE91-015553] 21 p3600 N91-30029

Connection between grain boundary structure and energy
[DE91-015558] 21 p3600 N91-30030

Determination of thermodynamic and kinetic properties of grain boundaries using high temperature calorimetry
[DE91-015571] 21 p3600 N91-30031

Design and fabrication issues for small-scale SMES
[DE91-014008] 22 p3656 N91-30353

Direct photon production in polarized pp collisions
[DE91-008728] 22 p3754 N91-30924

The chemistry of transition metal clusters
[DE91-015108] 23 p3810 N91-31250

Formation of defect structures in metals during irradiation
[DE91-015548] 23 p3815 N91-31278

Mechanical characterization of seismic base isolation elastomers
[DE91-015680] 23 p3818 N91-31299

Development of prototype sealed bipolar lithium/sulfide cells
[DE91-015721] 23 p3859 N91-31519

Response of seismic-isolated structures under long-period motions
[DE91-015673] 23 p3884 N91-31674

Proceedings of the Ninth Symposium on Energy Engineering Sciences: Fluid and Dynamical Systems
[DE91-015974] 23 p3889 N91-31701

Open-cycle ocean thermal energy conversion surface-condenser design analysis and computer program
[DE91-015973] 23 p3890 N91-31709

Coal utilization and CO2 emissions: What are the control options?
[DE91-015988] 23 p3892 N91-31721

A new method to do time resolved, x ray diffraction studies: The rotating crystal Laue method
[DE91-016527] 23 p3925 N91-31935

Intrinsic stability and recovery analysis for tape/film type superconductors
[DE91-015568] 23 p3931 N91-31967

Mean field analysis of the CuO2 lattice: Comparison to Monte Carlo simulations
[DE91-015570] 23 p3931 N91-31968

Cu-O charge fluctuations and electron-phonon coupling in the effective single-band Hubbard theory for cuprate superconductors
[DE91-016526] 23 p3932 N91-31976

Electronic transport properties in copper oxides
[DE91-018182] 24 p3976 N91-32213

Materials qualification technology for ceramic cross-flow filters
[DE91-017715] 24 p3980 N91-32232

Magneto-optical record media
[DE91-017838] 24 p4022 N91-32476

Tribological behavior of silver films prepared on ceramic surfaces by ion-beam-assisted deposition
[DE91-017306] 24 p4027 N91-32505

Effects of oxygen enrichment and fuel emulsification on diesel engine performance and emissions
[DE91-016520] 24 p4027 N91-32506

Parallel scalability of the spectral transform method
[DE91-017991] 24 p4071 N91-32744

The role of spin chemistry in the primary events of photosynthesis
[DE91-017301] 24 p4072 N91-32752

Assessing the risk of chronic lung injury attributable to long-term ozone exposure
[DE91-016814] 24 p4073 N91-32757

Performance of a benchmark implementation of the Van Slyke and Wets algorithm for stochastic programs on the Alliant FX/8
[DE91-016515] 24 p4087 N91-32833

Parallel computing and domain decomposition
[DE91-017967] 24 p4090 N91-32854

Evaluation of knowledge-based system development tools
[DE91-017241] 24 p4092 N91-32860

Coherent hard x ray focusing optics and applications
[DE91-017968] 24 p4103 N91-32928

Ion beams in high-temperature superconductivity research
[DE91-016521] 24 p4109 N91-32965

Critical currents in melt-textured YBa2Cu3O(x)
[DE91-016523] 24 p4109 N91-32966

Scaling behavior of the fluctuations in magnetization and conductivity of untwinned YBa2Cu3O(7-delta)
[DE91-016524] 24 p4110 N91-32967

Flux pinning by planar defects in single crystal YBa2Cu3O(7-delta)
[DE91-016525] 24 p4110 N91-32968

Magnetic relaxation of the organic superconductor kappa-(BEDT-TTF)2Cu(N(CN)2)Br
[DE91-016528] 24 p4110 N91-32969

X ray dichroism and Faraday effect studies in ordered and disordered Fe3Pt
[DE91-017305] 24 p4111 N91-32974

A simple sagittal focusing crystal which utilizes a bimetallic strip
[DE91-017324] 24 p4111 N91-32975

Application of a thermal spike model to experimental ion-induced grain growth data
[DE91-017320] 24 p4112 N91-32981

Cryogenic cooling of x ray crystals using porous matrix
[DE91-017322] 24 p4112 N91-32982

Magnetic relaxation in a single crystal of YBa2Cu3O(x)
[DE91-017963] 24 p4112 N91-32986

Critical currents in sputtered YBCO films
[DE91-017976] 24 p4113 N91-32987

Flux dynamics in high-Tc superconductors
[DE91-017977] 24 p4113 N91-32988

Anisotropy in the a-b plane of normal and superconducting YBa2Cu3O(x)
[DE91-017997] 24 p4113 N91-32989

ARIZONA STATE UNIV., TEMPE.

Rotating turbulent flow through a 180 deg pipe bend
03 p0363 N91-12031

Three-dimensional unsteady separation at low Reynolds numbers
[AD-A225167] 03 p0365 N91-12043

An evaluation of a modified simulated annealing algorithm for various formulations
[AD-A224678] 03 p0400 N91-12224

Growth studies of CVD-MBE by in-situ diagnostics
[AD-A224661] 03 p0422 N91-12358

The NH3 and NH2 abundances in comet Halley
03 p0436 N91-12440

Navier-Stokes simulation of boundary-layer transition
[AD-A226351] 04 p0523 N91-12910

Theory of electronic states and formation energies of defect complexes, interstitial defects, and crystal growth in semiconductors
[AD-A225674] 04 p0587 N91-13276

In situ GSMBE growth monitoring for optoelectronic devices
[AD-A226143] 04 p0589 N91-13290

(DURIP) exploring and controlling spatio temporal chaos under complex structures through visualization: A mini-supercomputer approach
[AD-A226793] 06 p0866 N91-14784

Advanced electromagnetic methods for aerospace vehicles
[NASA-CR-187721] 07 p0994 N91-15453

High-frequency techniques for RCS prediction of plate geometries
[NASA-CR-187865] 08 p1130 N91-16212

Research on certain aspects of laser diffraction particle size analysis relevant to autonomous self-diagnosing instrumentation
[AD-A226822] 08 p1154 N91-16354

Near-wall modelling of compressible turbulent flows
[NASA-CR-187731] 09 p1272 N91-16992

Microwave resonances in DNA
[PB90-261520] 09 p1370 N91-17529

Observability of systems with complicated dynamics
[AD-A229004] 09 p1392 N91-17663

The design, development, and evaluation of an extended relational database architecture for electronic meeting systems 09 p1420 N91-17814

Lunar maria and related deposits: Preliminary Galileo imaging results 11 p1820 N91-20000

Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002

Dynamics of aerospace vehicles
[NASA-CR-188015] 12 p1853 N91-20183
Ammonia and nitrogen abundances in comets
12 p2002 N91-21018
Unidentified ions in comets 12 p2002 N91-21019
Carbon isotopes in comets 12 p2005 N91-21034
N2H(+) in warm and cold clouds
12 p2005 N91-21035
Spectrum synthesis of CN in comets
12 p2005 N91-21036
A multigenerational Monte Carlo model of a comet coma 12 p2006 N91-21044
A center for the study of early events in photosynthesis
[DE91-008509] 13 p2125 N91-21698
In-situ diffraction and imaging studies of heteroepitaxial growth of semi-conductors
[AD-A231568] 13 p2163 N91-21932
A review of near-wall Reynolds-stress
[NASA-CR-4369] 14 p2187 N91-22080
Numerical simulation of swept-wing flows
[NASA-CR-188201] 14 p2190 N91-22095
High-temperature creep behavior of second-phase particle-strengthened tungsten-rhenium alloys
14 p2239 N91-22382
High-temperature alloys for high-power thermionic systems
[DE91-009292] 15 p2402 N91-23299
Magneto-optical properties of quantum wells with arbitrary potential profiles
[AD-A232037] 15 p2508 N91-23897
Control of mechanical vibrations in a circular disk
16 p2633 N91-24576
Near-wall modeling of compressible turbulent flow
[NASA-CR-188608] 17 p2776 N91-25365
Spectra of comet P/Halley at R = 4 - 8 AU
17 p2897 N91-26014
Supplement to photographic catalog of selected planetary size comparisons
[NASA-CR-4379] 17 p2916 N91-26100
Radar-aeolian roughness project
[NASA-CR-4378] 18 p3085 N91-27056
The distribution of particulate material on Mars
18 p3085 N91-27059
Wind abrasion on Mars 18 p3086 N91-27064
Effect of pressure on electrostatic processes on Mars
18 p3087 N91-27069
Saltation threshold detection in a wind tunnel by the measurement of the net electrostatic charge
18 p3087 N91-27070
Saltation threshold reduction due to the electrostatic agglomeration of fine particles 18 p3087 N91-27071
High-frequency techniques for RCS prediction of plate geometries
[NASA-CR-188685] 19 p3155 N91-27440
Three-dimensional structure of transitional boundary-layers
[AD-A236762] 19 p3164 N91-27498
Heat transfer additives for absorption cooling system fluids
[PB91-182998] 19 p3166 N91-27505
Introduction to software verification and validation
[AD-A236117] 19 p3227 N91-27839
Computer simulation of an aircraft seat and occupant(s) in a crash environment: Program SOM-LA/SOM-TA user manual
[CR-R-90026] 20 p3281 N91-28146
Near-wall modelling of complex turbulent flows
20 p3347 N91-28534
Antenna organization in green photosynthetic bacteria
[DE91-014814] 20 p3380 N91-28723
The software technical review process
[AD-A236139] 20 p3383 N91-28743
Computations involving differential operators and their actions on functions 20 p3391 N91-28789
Experimental demonstration of a classical approach for flexible space structure control: NASA CSI testbeds
[NASA-CR-188724] 21 p3464 N91-29212
Separation-bubble velocity measurements using an oscillating-hot-wire system
[AD-A237997] 21 p3515 N91-29518
Specific mutagenesis of a chlorophyll-binding protein
[DE91-014813] 21 p3547 N91-29711
Investigations in Martian geology. Part 1: Nature of the mantling deposit in the heavily cratered terrain of northeastern Arabia, Mars. Part 2: Experimental studies of clean and dust-or-sand-covered ice sublimation under Mars-like conditions 21 p3606 N91-30067
Unsteady subsonic flow over elastic and rigid bodies including wake effect 22 p3611 N91-30085
Two-terminal monolithic InP-based tandem solar cells with tunneling intercell ohmic connections
22 p3633 N91-30216
Antenna pattern control using impedance surfaces
[NASA-CR-188801] 22 p3666 N91-30410
Planning and distributed planning based on objects and relations with goal-directed dynamic plan revision
22 p3741 N91-30839
Spatial light modulators with arbitrary quantum well profiles
[AD-A238149] 22 p3759 N91-30955
Dynamics modeling and control of a flexible robot arm
24 p4025 N91-32495
Particulate models of photosynthesis
[DE91-016842] 24 p4072 N91-32751
Photoinitiated electron transfer in multi-chromophoric species: Synthetic tetrads and pentads featuring diquinone moieties
[DE91-017413] 24 p4098 N91-32896

ARIZONA UNIV., TUCSON.

Estimation of astronomical images from the bispectrum of atmospherically distorted infrared data
01 p0136 N91-10806
The development of the continuous orthonormalization and adjoint methods for solar seismology: Eigenfrequency computation and sensitivity analysis for direct and inverse problems 01 p0140 N91-10827
Boundary layer receptivity mechanisms relevant to laminar flow control 02 p0212 N91-11182
The relationship of galaxy morphology to nuclear star formation in non-interacting spiral galaxies
02 p0288 N91-11618
Tectonics of one-plate planets
02 p0294 N91-11647
Scaling laws for light weight optics, studies of light weight mirrors mounting and dynamic mirror stress, and light weight mirror and mount designs
[NASA-CR-187368] 03 p0417 N91-12335
An observational comparison of mercury and the moon 03 p0438 N91-12449
Nonradial oscillations of Saturn: Implications for ring system structure 03 p0438 N91-12450
Saturn's atmosphere in the visible and near infrared, 1986-1990 03 p0439 N91-12452
A correlation between changes in solar luminosity and differential radius measurements
03 p0441 N91-12466
A probable approx. 2400 year solar quasi-cycle in atmospheric delta C-14 03 p0442 N91-12470
Is the sun a long period variable
03 p0442 N91-12471
A mechanism involving solar ultraviolet variations for modulating the interannual climatology of the middle atmosphere 03 p0444 N91-12480
Numerical investigation of laminar-turbulent transition in a flat plate wake 04 p0469 N91-12630
A quantum-efficient systematics-free photon-counting optical imaging system for long baseline interferometric imaging of faint deep space objects
[AD-A226336] 04 p0520 N91-12894
Models of plate kinematics along the western margin of the Americas: Cretaceous to present
04 p0545 N91-13026
Soil bed reactor work of the Environmental Research Lab. of the University of Arizona in support of the research and development of Biosphere 2
05 p0691 N91-13846
Specifications extraction and synthesis: Their correlations with preliminary design
05 p0706 N91-13936
CS J = 2 yields 1 emission toward the central region of M82 05 p0740 N91-14128
A study of HII regions in spiral galaxies using multiobject spectroscopy 05 p0746 N91-14159
Are bars essential for starbursts in non-interacting galaxies 05 p0756 N91-14208
Gravitational star formation thresholds and gas density in three galaxies 05 p0757 N91-14210
Detector array evaluation and figures of merit
06 p0794 N91-14386
In-flight methods for satellite sensor absolute radiometric calibration 06 p0868 N91-14801
Simultaneous infrared and UV-visible absorption spectra of matrix-isolated carbon vapor
06 p0890 N91-14915
A study of extended zodiacal structures
[NASA-CR-187687] 06 p0915 N91-15044
Long slit CCD observations of active and normal galaxies 07 p1081 N91-15950
The Pluto-Charon system as revealed during the mutual events 07 p1085 N91-15967
Composite Solid Propellant Predictability and Quality Assurance
[NASA-CR-186404] 08 p1121 N91-16163
Introduction to the problem 08 p1122 N91-16164
The University of Arizona program in solid propellants
08 p1122 N91-16165
Pairs of galaxies in low density regions of a combined redshift catalog 08 p1245 N91-16860
Global effects of interactions on galaxy evolution
08 p1253 N91-16897
Nuclear and extended infrared emission in paired and isolated galaxies 08 p1256 N91-16917
Properties of the redshift 08 p1258 N91-16926
Computational studies of compressibility effects on dynamic stall
[AD-A229007] 09 p1274 N91-17004
X ray optics research
[AD-A228940] 09 p1399 N91-17699
Autonomous space processor for orbital debris
10 p1474 N91-18123
Evolution of the atmosphere and surface of Titan
10 p1622 N91-18946
Chemical activation of molecules by metals: Experimental studies of electron distributions and bonding
[DE91-007695] 11 p1683 N91-19275
Hubble Space Telescope secondary mirror vertex radius/conic constant test
[NASA-CR-187989] 11 p1798 N91-19871
Impact processes in the Solar System: New understandings through numerical modeling
11 p1820 N91-19996
Ancient oceans and Martian paleohydrology
11 p1820 N91-19997
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
Leading-edge receptivity for blunt-nose bodies
[NASA-CR-188063] 12 p1828 N91-20047
Numerical simulation of nonlinear receptivity in boundary layer transition
[AD-A230219] 12 p1896 N91-20425
Probabilistic analysis of neural networks
[AD-A230165] 12 p1964 N91-20808
Novel devices for all-optical computing
[AD-A230323] 12 p1980 N91-20897
A composition comparison between comets P/Halley and P/Brorsen-Metcalf 12 p2001 N91-21016
Near-nucleus H2O(+) structures in comets Brorsen-Metcalf, Okazaki-Levy-Rudenko, and Austin
12 p2005 N91-21037
Containerless synthesis of interesting glasses
13 p2060 N91-21340
Report of the panel on lithospheric structure and evolution, section 3 13 p2106 N91-21592
Research in optical sciences
[AD-A230964] 13 p2154 N91-21875
Magnetohydrodynamic puzzles in the protoplanetary nebula 14 p2345 N91-22966
Solar variability observed through changes in solar figure and mean diameter
[DE91-009813] 14 p2353 N91-23016
Pulse compression of 100 picosecond pulses at 1.319 microns
[AD-A232552] 15 p2508 N91-23901
Cryomagmatism in the outer solar system
15 p2530 N91-24019
NASA Space Engineering Research Center for Utilization of Local Planetary Resources
[NASA-CR-188222] 16 p2593 N91-24365
Coproduction of volatiles and metals from extraterrestrial materials 16 p2593 N91-24366
Production of oxygen from lunar ilmenite
16 p2593 N91-24367
Beneficiation of lunar ilmenite
16 p2593 N91-24368
Cold plasma processing of local planetary ores for oxygen and metallurgically important metals
16 p2593 N91-24369
Innovative techniques for the production of energetic radicals for lunar materials processing including photogeneration via concentrated solar energy
16 p2593 N91-24370
Oxygen plant breadboard design, and techniques for improving mission figure-of-merit
16 p2594 N91-24374
Thermal analysis, optimization and design of a Martian oxygen production plant 16 p2594 N91-24375
Issues on the production and electrochemical separation of oxygen from carbon dioxide 16 p2594 N91-24376
Compression of Martian atmosphere for production of oxygen 16 p2595 N91-24377
Dehydration kinetics of talc at 1 bar
16 p2595 N91-24378
Recovery of precious metals from space
16 p2595 N91-24379
Processing of glass-ceramics from lunar resources
16 p2595 N91-24380
Development and mechanical properties of structural materials from lunar simulant 16 p2595 N91-24381
High temperature seals between ceramic separation membranes and super-alloy housing
16 p2596 N91-24382
Determination of lunar ilmenite abundances from remotely sensed data 16 p2596 N91-24383

Continuous monitoring of the lunar or Martian subsurface using on-board pattern recognition and neural processing of Rover geophysical data 16 p2596 N91-24384
Spacewatch search for near-Earth asteroids 16 p2596 N91-24385
Compositions of near-Earth asteroids 16 p2596 N91-24386
Development of a figure-of-merit for space missions 16 p2596 N91-24387
Quantitative simulation of extraterrestrial engineering devices 16 p2597 N91-24388
Modeling, simulation, and control of an extraterrestrial oxygen production plant 16 p2597 N91-24389
The Steward Observatory asteroid relational database 16 p2597 N91-24391
Nonlinear organics for guided-wave devices [AD-A233404] 16 p2606 N91-24444
NASA Space Engineering Research Center for Utilization of Local Planetary Resources [NASA-CR-188221] 17 p2748 N91-25203
Proof-of-concept automation of propellant processing 17 p2748 N91-25204
Extraction of volatiles and metals from extraterrestrial ores 17 p2748 N91-25205
Production of oxygen from lunar ilmenite 17 p2748 N91-25206
Chlorination processing of local planetary ores for oxygen and metallurgically important metals 17 p2748 N91-25207
Abundances of volatile-bearing phases in carbonaceous chondrites and cooling rates of meteorites based on cation ordering of orthopyroxenes 17 p2749 N91-25210
Beneficiation of lunar ilmenite feedstock 17 p2749 N91-25211
Unconventional propellant performance 17 p2749 N91-25212
Development of construction materials like concrete from lunar soils without water 17 p2749 N91-25213
Interdependent figure-of-merit software development 17 p2749 N91-25214
Quantitative computer simulations of extraterrestrial processing operations 17 p2750 N91-25215
Energy management study for lunar oxygen production 17 p2750 N91-25216
An annotated bibliography of propellant processing methods 17 p2750 N91-25219
Notes on lunar ilmenite 17 p2750 N91-25221
Theoretical predictions of volatile bearing phases and volatile resources in some carbonaceous chondrites 17 p2750 N91-25222
NASA Space Engineering Research Center for utilization of local planetary resources [NASA-CR-188220] 17 p2751 N91-25223
Performance of unconventional propellants 17 p2751 N91-25224
Cold plasma processing of local planetary ores for oxygen and metallurgically important metals 17 p2751 N91-25225
Autonomous production of propellants 17 p2751 N91-25226
Extraction of volatile and metals from extraterrestrial materials 17 p2751 N91-25227
Ilmenite beneficiation and high-precision analyses of extraterrestrial material 17 p2751 N91-25228
Production of oxygen from lunar ilmenite 17 p2752 N91-25229
Volatile-bearing phases in carbonaceous chondrites: Compositions, modal abundance, and reaction kinetics 17 p2752 N91-25230
Quantitative computer representation of propellant processing 17 p2752 N91-25231
Temperature automation for a propellant mixer 17 p2752 N91-25232
Innovative techniques for the production of energetic radicals for lunar materials processing including photogeneration via concentrated solar energy 17 p2752 N91-25233
Helium-3 in the lunar regolith 17 p2753 N91-25235
Development and mechanical properties of construction materials from lunar simulants 17 p2753 N91-25238
Recovery of precious metals in space 17 p2753 N91-25239
Search for near-Earth asteroids with the spacewatch camera 17 p2754 N91-25240
Determination of lunar ilmentite abundances from remotely sensed data 17 p2754 N91-25241
Compositions of near-Earth asteroids 17 p2754 N91-25242
Continuous monitoring of the lunar or Martian subsurface using on-board pattern recognition and neural processing of Rover geophysical data 17 p2754 N91-25243
A figure-of-merit approach to extraterrestrial resource utilization 17 p2754 N91-25244
Energy management analysis of lunar oxygen production 17 p2754 N91-25245
Data base on physical observations of near-Earth asteroids and establishment of a network to coordinate observations of newly discovered near-Earth asteroids 17 p2755 N91-25246
A CCD spectrum and production rates for Comet P/Temple 2 17 p2893 N91-25991
Deimos: A featureless asteroid-like spectrum 17 p2893 N91-25994
Evaluating some computer enhancement algorithms that improve the visibility of cometary morphology 17 p2895 N91-26000
Resources of Near-Earth Space: Abstracts [NASA-CR-188219] 17 p2900 N91-26019
Refractory materials from lunar resources 17 p2901 N91-26025
Remote compositional mapping of lunar titanium and surface maturity 17 p2902 N91-26029
Reaction engineering for materials processing in space: Reduction of ilmenite by hydrogen and carbon monoxide 17 p2903 N91-26035
Kinetics of volatile extraction from carbonaceous chondrites: Dehydration of talc 17 p2903 N91-26036
Asteroid/meteorite streams 17 p2904 N91-26038
Discovery and orbital characterization of near-Earth asteroids 17 p2904 N91-26039
Near-infrared observations of primitive asteroids and a possible extinct comet 17 p2905 N91-26041
Characterization of low albedo asteroids 17 p2905 N91-26042
Development and mechanical properties of structural materials from lunar simulants 17 p2905 N91-26045
Development of an electrostatic propulsion engine using sub-micron powders as the reaction mass 17 p2907 N91-26055
Enstatite chondrites and achondrites as asteroidal resources 17 p2907 N91-26056
Water resources and hydrology of Mars 17 p2910 N91-26065
Oxygen production on Mars: A figure-of-merit approach 17 p2912 N91-26079
Experimental data from an oxygen plant for Mars 17 p2913 N91-26082
Primary igneous rocks on Mars: Composition and distribution 17 p2913 N91-26083
The optimum shape for a rigid rotating shell enclosing an isotropic spherical planetary mass 17 p2914 N91-26087
Comparative economics of space resource utilization 17 p2914 N91-26088
Photochemical energy conversion by membrane-bound photoredox systems [DE91-012171] 18 p3021 N91-26682
Part 1: Ultrafast logic and multiple-beam optical parallel processing using nonlinear etalons. Part 2: Novel devices for all-optical computing. Part 3: Novel nonlinear semiconductor structures for signal processing and optical computing [AD-A233410] 18 p3043 N91-26799
Proceedings of the 4th International Symposium on Biological Reactive Intermediates: Molecular and Cellular Effects and Their Impact on Human Health [AD-A235518] 19 p3209 N91-27737
Study of semiconductor clusters by local inverse photo emission [AD-A236210] 19 p3254 N91-28002
Gravity wave propagation in a frontal environment 20 p3373 N91-28687
Radiative transfer model for a spherical atmosphere 20 p3373 N91-28689
Dynamical behavior of excited hadronic matter [DE91-013024] 20 p3400 N91-28845
The optical polarization of BL Lacertae objects 20 p3442 N91-29099
Planetary instrument definition and development program: 'Miniature Monochromatic Imager' [NASA-CR-186550] 21 p3466 N91-29219
Heuristic methods in applied probability [AD-A238229] 21 p3569 N91-29841
Center for thin film studies [AD-A237457] 21 p3595 N91-29999
Analysis of lightning field changes produced by Florida thunderstorms 22 p3708 N91-30640
Interactive retrieval in information spaces distributed across a wide-area network 23 p3935 N91-31992
The spatial variations of lightning during small Florida thunderstorms 24 p4065 N91-32711
Atmospheres of comets: Gas dynamic models and inference of kinematic parameters 24 p4121 N91-33036

ARKANSAS COLL., BATESVILLE.
Availability of hydrogen for lunar base activities [NASA-CR-187367] 02 p0293 N91-11644
Kinetics of hydrogen release from lunar soil [NASA-CR-187363] 05 p0766 N91-14256
Volatiles in interplanetary dust particles [NASA-CR-188731] 22 p3775 N91-31055

ARKANSAS UNIV. FOR MEDICAL SCIENCES, LITTLE ROCK.
NMR imaging of elastomeric materials [AD-A230299] 12 p1873 N91-20296

ARMED FORCES RADIOBIOLOGY RESEARCH INST., BETHESDA, MD.
AFRRI reports, October - December 1990 [AD-A232236] 15 p2399 N91-23283

ARMENIAN ENGINEERS AND SCIENTISTS OF AMERICA, INC., GLENDALE, CA.
Environment fact finding mission report [PB91-130369] 13 p2112 N91-21628

ARMY AEROMEDICAL RESEARCH LAB., FORT RUCKER, AL.
A comparison of computerized measurement of helicopter pilot performance with atropine sulfate during actual and simulated flight 08 p1193 N91-16558
Visual Survey of Apache Aviators (VISAA) [AD-A230201] 12 p1931 N91-20624
Coding manual for the US Army aviation epidemiology data register [AD-A231885] 14 p2299 N91-22706
A test of the American Safety Flight Systems, Inc. prebreather/portable oxygen system [AD-A232723] 15 p2367 N91-23100
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 2 [AD-A232907] 16 p2557 N91-24187
The airbag as a supplement to standard restraint systems in the AH-1 and AH-64 attack helicopters and its role in reducing head strikes of the copilot/gunner, volume 1 [AD-A233349] 16 p2558 N91-24188
Ultraviolet radiation effects on the corneal epithelium 17 p2825 N91-25604
Contact lenses in the US Army attack helicopter environment 17 p2826 N91-25611
SPH-4 aircrew helmet impact protection improvements 1970-1990 [AD-A233784] 18 p3035 N91-26750
Visual and field-of-view evaluation of the M-43 protective mask with prescription eyepieces [AD-A234592] 18 p3035 N91-26754
Human factors of night vision devices: Anecdotes from the field concerning visual illusions and other effects [AD-A237641] 21 p3552 N91-29735
Development of a ruggedized hand-held computer for performance testing in operational settings [AD-A229421] 22 p3722 N91-30716

ARMY AIR CORPS, STOCKBRIDGE (ENGLAND).
Low temperature environment operation of turbo engines: A military operator's experience and requirements 23 p3791 N91-31145

ARMY ARMAMENT MUNITIONS AND CHEMICAL COMMAND, ROCK ISLAND, IL.
Statistical decisions utilizing neural nets [AD-A224752] 03 p0413 N91-12309

ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER, PICATINNY ARSENAL, NJ.
Molecular structure of low temperature form of triaminoguanidinium nitrate (TAGN) 16 p2579 N91-24296
Theory of electromagnetic shielding for conducting cylinders and spheres [AD-A233261] 16 p2618 N91-24491
Rail circuit augmentation [AD-A234944] 18 p2934 N91-26184
Application of software tools in embedded computers within military systems to enhance software reliability, quality assurance, and maintenance [AD-A234555] 18 p3041 N91-26785
Neural networks: An overview [AD-A236270] 19 p3234 N91-27882
Meteorological instrumentation support for an adverse weather test facility [AD-A236605] 20 p3375 N91-28696
Basic simple modeling of balloting motion of railgun projectiles [AD-A237938] 21 p3463 N91-29205
An approximate analysis of balloting motion of railgun projectiles [AD-A237942] 21 p3463 N91-29206
Basic simple modeling of in-bore motion of railgun projectiles [AD-A238064] 21 p3463 N91-29207
Methods to determine the compatibility and degradation of organic materials [AD-A237940] 21 p3468 N91-29234
Artificial neural system for object classification and orientation estimation [AD-A234936] 22 p3740 N91-30837

ARMY ARMAMENT RESEARCH, DEVELOPMENT AND ENGINEERING CENTER, WATERVLIET, NY.
The effect of manganese phosphate coatings on fatigue crack initiation
[AD-A224931] 03 p0381 N91-12124
A plane-strain elastic stress solution for a multiorthotropic-layered cylinder
[AD-A225000] 04 p0535 N91-12969
Diffraction models, dynamical structure tensors, and electron-phonon interaction
[AD-A225953] 04 p0580 N91-13234
Fatigue of compound cylinders
[AD-A227323] 07 p1015 N91-15571
Unusually high fracture toughness of ASTM A723 steel from a mixed martensite/bainite microstructure
[AD-A230315] 12 p1870 N91-20274
Review of ASTM symposium on surface crack growth: Models, experiments, and structures
[AD-A230645] 12 p1914 N91-20529
Effects of notch geometry and moisture on fracture strength of carbon/epoxy and carbon/bismaleimide laminates
[AD-A231892] 14 p2240 N91-22392
Microalloyed steel preforms
[AD-A234039] 18 p2953 N91-26296
Correlation between machine twist angle and unit twist angle in calculating shear stresses for elastic and plastic strains in torsion
[AD-A235729] 19 p3179 N91-27579
An extension of mesh equidistribution to time-dependent partial differential equations
[AD-A239579] 23 p3922 N91-31913
Load-line displacements for three-point bend J tests using bottom surface displacements
[AD-A229634] 24 p4030 N91-32518

ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND, DOVER, NJ.
Methods for identifying object class, type, and orientation in the presence of uncertainty
[AD-A225984] 04 p0554 N91-13072
An analysis of impact initiation of explosives and the currently used threshold criteria
[AD-A230187] 12 p1878 N91-20321
Fiber optic sensors for the military
[AD-A232100] 15 p2508 N91-23898
Molecular mechanics calculations for nitro and amino substituted conjugated systems containing oxygen and nitrogen
[AD-A233928] 18 p2969 N91-26389
Modification of the user friendly thermodynamic code to include the effects of minor species
[AD-A233929] 18 p2969 N91-26390

ARMY ARMAMENT RESEARCH AND DEVELOPMENT COMMAND, WATERVLIET, NY.
Hazards and safeguards of high pressure hydraulic fatigue testing
[AD-A226767] 06 p0816 N91-14509

ARMY AVIATION RESEARCH AND DEVELOPMENT COMMAND, MOFFETT FIELD, CA.
A flight-dynamic helicopter mathematical model with a single flap-lag-torsion main rotor
[NASA-TM-102267] 11 p1639 N91-19041
Euler solutions to nonlinear acoustics of non-lifting hovering rotor blades
[NASA-TM-103837] 11 p1791 N91-19826

ARMY AVIATION SYSTEMS COMMAND, CLEVELAND, OH.
An update of engine system research at the Army Propulsion Directorate
[NASA-TM-103278] 03 p0313 N91-11752
Experimental and analytical evaluation of efficiency of helicopter planetary stage
[NASA-TP-3063] 04 p0533 N91-12956
Review of the transmissions of the Soviet helicopters
[NASA-TM-103634] 07 p0939 N91-15146
Advanced rotorcraft transmission technology
12 p1840 N91-20115
Mechanical behavior of fiber reinforced SiC/RBSN ceramic matrix composites: Theory and experiment
[NASA-TM-103688] 13 p2044 N91-21243
Advanced rotorcraft transmission program
[NASA-TM-103276] 13 p2094 N91-21531
Effects of gear box vibration and mass imbalance on the dynamics of multi-stage gear transmissions
[NASA-TM-103695] 13 p2095 N91-21534
Effects of inlet distortion on the development of secondary flows in a subsonic axial inlet compressor rotor
[NASA-TM-104356] 15 p2381 N91-23179
Maximum life spur gear design
[NASA-TM-104361] 15 p2439 N91-23514
Small Engine Component Technology (SECT) study
[NASA-CR-175079] 16 p2562 N91-24208

ARMY AVIATION SYSTEMS COMMAND, HAMPTON, VA.
Analysis of matrix cracking and local delamination in (0/theta/-theta)sub s graphite epoxy laminates under tension load
[NASA-TM-104062] 14 p2239 N91-22384
Effect of initial delamination on Mode 1 and Mode 2 interlaminar fracture toughness and fatigue fracture threshold
[NASA-TM-104079] 18 p3000 N91-26569
Local delamination in laminates with angle ply matrix cracks. Part 1: Tension tests and stress analysis
[NASA-TM-104055] 20 p3305 N91-28293
Local delamination in laminates with angle ply matrix cracks. Part 2: Delamination fracture analysis and fatigue characterization
[NASA-TM-104076] 22 p3643 N91-30274
Residual thermal and moisture influences on the strain energy release rate analysis of local delaminations from matrix cracks
[NASA-TM-104077] 22 p3644 N91-30280

ARMY AVIATION SYSTEMS COMMAND, MOFFETT FIELD, CA.
General Rotorcraft Aeromechanical Stability Program (GRASP): Theory manual
[NASA-TM-102255] 05 p0677 N91-13762
Flowfield of a lifting hovering rotor: A Navier-Stokes simulation
[NASA-TM-102862] 07 p0936 N91-15128

ARMY AVIATION TEST BOARD, FORT RUCKER, AL.
Methodology investigation, aviation test management system concept development
[AD-A237349] 21 p3457 N91-29172

ARMY BELVOIR RESEARCH AND DEVELOPMENT CENTER, FORT BELVOIR, VA.
Elastomer compatibility with liquid propellant at elevated temperature
[AD-A230973] 13 p2058 N91-21327

ARMY BIOMEDICAL RESEARCH AND DEVELOPMENT LAB., FORT DETRICK, MD.
Exposure standard for fog oil
[AD-A231714] 16 p2663 N91-24729
US Army Biomedical Research and Development Laboratory
[AD-A233664] 18 p3020 N91-26671

ARMY CHEMICAL RESEARCH AND DEVELOPMENT CENTER, ABERDEEN PROVING GROUND, MD.
Computer-assisted determination of minimum energy conformations. Part 4: Alpha1 and alpha2 adrenergic compounds
[AD-A226811] 08 p1110 N91-16097
Symmetry and design in mixture experiments
[AD-A226760] 08 p1122 N91-16169
Predicting polymer properties by computational methods. Part 1: Polyvinyl chloride and its homologs
[AD-A235434] 19 p3137 N91-27333

ARMY COLD REGIONS RESEARCH AND ENGINEERING LAB., HANOVER, NH.
Purity determination of standard analytical reference materials by differential scanning calorimetry
[AD-A224669] 03 p0337 N91-11886
Development of an airborne sea ice thickness measurement system and field test results
[AD-A224867] 03 p0385 N91-12144
Evaluation of PVDF piezopolymer for use as a shock gauge
[AD-A225955] 04 p0527 N91-12918
Heat transfer from water flowing through a chilled-bed open channel
[AD-A226855] 08 p1142 N91-16286
Preliminary analysis of measured sound propagation over various seasonal snow covers
08 p1215 N91-16687
Predicting the behavior of asphalt concrete pavements in seasonal frost areas using nondestructive techniques
[CRREL-90-10] 09 p1321 N91-17253
In-house laboratory independent research program, FY88
[AD-A229665] 12 p1916 N91-20540
UHF model simulation of detecting voids in a dielectric medium using HF-VHF airborne short-pulse radar
[AD-A231495] 13 p2073 N91-21418
Snow roads and runways
[AD-A231490] 14 p2198 N91-22138
CRREL research on materials in cold environments
[AD-A232133] 15 p2398 N91-23280
Natural convection heat transfer in water near its density maximum
[AD-A233106] 16 p2625 N91-24534
Proceedings of the 47th Annual Meeting of the Eastern Snow Conference
[AD-A233320] 16 p2651 N91-24672
Lubricants at low temperatures
[AD-A234536] 18 p2962 N91-26348

ARMY ENGINEER TOPOGRAPHIC LABS.
International State-of-the-Art Colloquium on Low-Temperature Asphalt Pavement Cracking
[AD-A233663] 18 p2971 N91-26402
Rotating multicylinder method for the measurement of cloud liquid-water content and droplet size
[AD-A234780] 18 p3014 N91-26644
Automotive fuels at low temperatures
[AD-A236040] 19 p3144 N91-27378
Symposium on the tropospheric chemistry of the Antarctic region: Pre-conference abstracts
[AD-A236274] 19 p3186 N91-27621
Sea ice observations from the winter Weddell Gyre study, 1989
[AD-A236036] 19 p3205 N91-27717
Performance of asphalt concrete airport pavements during thaw weakening periods: A field study
[AD-A237441] 21 p3462 N91-29198
Remote sensing of snow covers using the gamma ray technique
[AD-A238016] 21 p3534 N91-29639

ARMY COMBAT SYSTEMS TEST ACTIVITY (PROVISIONAL), ABERDEEN PROVING GROUND, MD.
Projectile velocity and time of flight measurements
[AD-A224921] 03 p0301 N91-11677
Methodology investigation of neutron device monitors
[AD-A230636] 12 p1977 N91-20875

ARMY COMMAND AND GENERAL STAFF COLL., FORT LEAVENWORTH, KANSAS.
Army Unmanned Aerial Vehicle (UAV) requirements and the joint UAV program
[AD-A228149] 08 p1095 N91-16009

ARMY CONSTRUCTION ENGINEERING RESEARCH LAB., CHAMPAIGN, IL.
Performance of an ice-in-tank diurnal ice storage cooling system at Fort Stewart, Georgia
[AD-A224739] 03 p0386 N91-12153
Nondestructive evaluation and inspection programs for Pershing 2 motors
[AD-A225009] 04 p0495 N91-12750
Cartographic issues in the development of a digital GRASS database
[AD-A227582] 08 p1166 N91-16416
Selective screening of high temperature superconductors by resonant eddy current analysis
[AD-A230194] 12 p1987 N91-20936
Construction site Voice Operated Information System (VOIS) test
[AD-A231633] 13 p2074 N91-21424
Evaluation of K-Span as a Rapidly Erectable Lightweight Mobilization Structure (RELMS)
[AD-A231699] 14 p2254 N91-22469
Large space structures fielding plan
[AD-A232097] 15 p2389 N91-23227
Maintenance Resource Prediction Model (MRPM) user's manual
[AD-A232019] 15 p2485 N91-23762
Life cycle management automation programmer's manual
[AD-A232247] 15 p2487 N91-23769
Life cycle management automation user's manual, version 1.1
[AD-A232096] 15 p2520 N91-23968
Research in nonlinear water waves
[AD-A235410] 18 p2984 N91-26478
The PC Dugout micro-mainframe integration system: PAX implementation
[AD-A237480] 21 p3556 N91-29758
Engineering applications of neural computing: A state-of-the-art survey
[AD-A237628] 21 p3563 N91-29803
HQ-IFS Maintenance Resource Prediction Model (MRPM) user's manual
[AD-A229297] 22 p3762 N91-30972

ARMY ELECTRONIC PROVING GROUND, FORT HUACHUCA, AZ.
Methodology investigation of software maturity model validation
[AD-A226697] 06 p0859 N91-14746

ARMY ELECTRONICS COMMAND, FORT MONMOUTH, NJ.
Langmuir-Blodgett films of aromatic Schiff's bases functionalized in the side chains of polymethacrylate
[AD-A235858] 19 p3139 N91-27347

ARMY ELECTRONICS TECHNOLOGY AND DEVICES LAB., FORT MONMOUTH, NJ.
Low-noise oscillators for airborne radar applications
07 p0941 N91-15159

ARMY ENGINEER TOPOGRAPHIC LABS., FORT BELVOIR, VA.
Design and development of the terrain information extraction system
[AD-A231166] 13 p2111 N91-21623
Scan-line methods in spatial data systems
[AD-A231165] 13 p2169 N91-21973

Automated extraction of airport runway patterns from radar imagery
[AD-A231809] 14 p2256 N91-22480
Spectral characteristics of some saline playa surfaces and their application to multispectral imagery analysis
[AD-A231167] 14 p2280 N91-22610
Hyperspectral imagery: What is it, what can it do
[AD-A231164] 15 p2456 N91-23610
Hyperspectral signatures (400 to 2500 nm) of vegetation, minerals, soils, rocks, and cultural features: Laboratory and field measurements
[AD-A239496] 23 p3888 N91-31697

ARMY ENGINEER WATERWAYS EXPERIMENT STATION, VICKSBURG, MS.

Computer-Aided Structural Engineering (CASE) project: Investigation and design of U-frame structures using program CUFRBC. Volume C: User's guide for channels
[AD-A224388] 02 p0252 N91-11395
Condition survey and PAVER implementation, Edwards Air Force Base (north base), California
[AD-A224978] 03 p0317 N91-11772
Condition survey and PAVER implementation, Edwards Air Force Base, California
[AD-A224979] 03 p0317 N91-11773
Literature review on geotextiles to improve pavements for general aviation airports
[DOT/FAA/RD-90/26] 05 p0625 N91-13464
Evaluation procedure for reinforced concrete box culverts under airfield pavements
[AD-A227920] 08 p1099 N91-16031
WES fiber optics ethernet communication system
[AD-A229058] 09 p1324 N91-17272
User's guide: Computer program for two-dimensional analysis of U-frame or W-frame structures (CWFRAM)
[AD-A229059] 09 p1385 N91-17619
Site characterization for radar experiments
[AD-A230150] 12 p1881 N91-20343
Software development standards for project cost management information system
[AD-A231282] 13 p2136 N91-21762
Analysis of wideband beamformers designed with artificial neural networks
[AD-A231668] 14 p2259 N91-22499
Data employed in the development of a three-dimensional, time-varying numerical hydrodynamic model of Chesapeake Bay
[AD-A231654] 14 p2292 N91-22673
Analytical study of the effects of weight on Light Helicopter (LH) exposure to ground-based weapons
[AD-A232024] 15 p2375 N91-23141
Literature review on geotextiles to improve pavements for general aviation airports
[AD-A232871] 15 p2385 N91-23199
Review of finite element procedures for earth retaining structures
[AD-A232230] 15 p2410 N91-23343
Geogrid reinforced base course for flexible pavements for light aircraft: Literature review and test section design
[DOT/FAA/RD-90/28] 18 p2929 N91-26160
Response limits of blast-resistant slabs
[AD-A229338] 22 p3691 N91-30549

ARMY ENVIRONMENTAL HYGIENE AGENCY, ABERDEEN PROVING GROUND, MD.

Laser hazards bibliography, January 1991
[AD-A232690] 15 p2434 N91-23487

ARMY HEALTH CARE STUDIES AND CLINICAL INVESTIGATION ACTIVITY, FORT SAM HOUSTON, TX.

Proceedings of the 7th User's Stress Workshop
[AD-A234583] 18 p3032 N91-26736

ARMY INFORMATION SYSTEMS COMMAND, FORT HUACHUA, AZ.

A distributed TDMA rescheduling procedure for mobile packet radio networks
[AD-A236656] 19 p3153 N91-27427

ARMY LAB. COMMAND, FORT MONMOUTH, NJ.

Lithium tetraborate transducer cuts
[AD-A226028] 04 p0519 N91-12889
Evaluation of acceleration-induced phase noise in surface acoustic wave devices
[AD-A226027] 04 p0579 N91-13226
Quartz crystal resonators and oscillators for frequency control and timing applications: A tutorial, revision 4
[AD-A231604] 13 p2078 N91-21445
Numerical analysis of composite dielectrics: Preliminary results for two dimensions
[AD-A231519] 14 p2239 N91-22386
Frequency standards for communications
[AD-A231990] 14 p2257 N91-22484
Hot electron stress testing of submicron transistors
[AD-A231518] 14 p2259 N91-22497
Equivalent circuits for resonators and transducers driven piezoelectrically
[AD-A231520] 14 p2259 N91-22498
European cooperative programs and the US
[AD-A231799] 14 p2260 N91-22501
User's guide for test pattern tools for the personal computer
[AD-A231517] 14 p2305 N91-22736
Fabrication and characterization of yttrium barium copper oxide superconductors for microwave applications
[AD-A231713] 14 p2331 N91-22877
The role of EEPROM devices in upcoming ISDN applications
[AD-A234837] 18 p2980 N91-26454
The effects of acceleration on precision frequency sources (proposed for IEEE standards project p1193)
[AD-A235470] 19 p3167 N91-27512
The impact of clean air in the 1990's
[AD-A236526] 19 p3187 N91-27623
A calorimetric investigation of deuterated palladium electrodes
[AD-A237571] 21 p3505 N91-29456
Measurement of lithium cycling efficiency in organic electrolytes
[AD-A237632] 21 p3505 N91-29457
Protecting the ozone shield: A new public policy
[AD-A237640] 21 p3538 N91-29659

ARMY LAB. COMMAND, WATERTOWN, MA.

Mechanical property characterization of thick wall Ti-6Al-6V-2Sn forging
[AD-A228013] 07 p0983 N91-15396
Failure analysis of a main rotor pitch horn bolt located on the AH-1 Cobra helicopter
[AD-A227679] 08 p1094 N91-16007
Mechanical behavior of a SiC-fiber/Si3N4 composite
[AD-A228371] 08 p1106 N91-16073
Assessment of corrosion resistant coatings for a depleted U-0.75 Ti alloy
[AD-A228237] 08 p1116 N91-16130
Hot isostatic pressing of superconducting ceramics
[AD-A230355] 12 p1874 N91-20297
Model adherend surface effects on epoxy cure reactions
[AD-A230710] 12 p1876 N91-20310
Formation of controlled adiabatic shear bands in AISI 4340 high strength steel
[AD-A230999] 13 p2053 N91-21300
A computationally viable higher-order theory for laminated composite plates
[AD-A231423] 14 p2239 N91-22385
Pilot prepreg line: A comprehensive analysis of prepreg quality
[AD-A231912] 14 p2240 N91-22393
Sinterability of tungsten powder CVD coated with nickel and iron
[AD-A231913] 14 p2246 N91-22425
Transient crystallization of an aromatic polyetherimide: Effect of annealing
[AD-A231988] 14 p2249 N91-22446
A proposed standard practice for fractographic analysis of monolithic advanced ceramics
[AD-A231989] 14 p2250 N91-22447
A computationally attractive beam theory accounting for transverse shear and normal deformations
[AD-A231938] 14 p2277 N91-22592
An experimental and finite element investigation into the nonlinear material behavior of pin-loaded composite laminates
[AD-A232098] 15 p2395 N91-23263
Model sensitivity in stress-strength reliability computations
[AD-A232023] 15 p2447 N91-23554
Evaluation of environmentally aged polymer/composite material by ultrasonic inspection
[AD-A235343] 18 p2942 N91-26231
A comparison of void measurement methods for carbon/epoxy composites
[AD-A236438] 19 p3120 N91-27237
X ray diffraction studies of disorder in allied Spectra-1000 polyethylene fibers
[AD-A235527] 19 p3137 N91-27336
An analysis of three pultrusion models proposed for use in a pultrusion control system
[AD-A235600] 19 p3145 N91-27382
Studies of polymers for shock absorption applications
[AD-A237925] 21 p3489 N91-29358
Ultrasonic evaluation of silicon nitride green bodies
[AD-A237924] 21 p3530 N91-29608
Fatigue resistant optical fibers
[AD-A237568] 21 p3581 N91-29921
Effect of hydrogen on the electronic structure of a grain boundary in iron
[AD-A237499] 21 p3595 N91-30002
Response of an alumina fiber reinforced aluminum composite to combined tension-torsion
[AD-A239560] 23 p3809 N91-31245
Structure property relationship of aliphatic polyurethane elastomers prepared from CHDI
[AD-A239397] 23 p3820 N91-31311

ARMY LAB. COMMAND, WHITE SANDS MISSILE RANGE, NM.

XTRAN: An atmospheric transmittance code based on XSCALE
[AD-A237624] 21 p3541 N91-29674
A manual method for determining the fractional stability category
[AD-A237627] 21 p3541 N91-29675

ARMY MATERIALS TECHNOLOGY LAB., WATERTOWN, MA.

Mechanical and linear viscoelastic properties of high density polyethylene obtained from tensile and dead-load creep tests
[AD-A225203] 03 p0344 N91-11927
Static fatigue behavior of structural ceramics in a corrosive environment
[AD-A225654] 03 p0345 N91-11936
The application of laser speckle interferometry to measure strain at elevated temperatures and various loading rates
[AD-A225583] 04 p0536 N91-12972
Flammability characteristics of fiber-reinforced composite materials for the composite infantry fighting vehicle
[AD-A227783] 08 p1105 N91-16068
A computational and experimental investigation of Mode I fracture in an elastomer
[AD-A228958] 09 p1353 N91-17430
Measurement of the O18 to O16 isotope ratio for characterizing oxide surface layers on LDEF samples
16 p2713 N91-25017
Ellipsometric study of metal samples
16 p2717 N91-25041
A layered beam theory for single lap joints
[AD-A237324] 21 p3529 N91-29607

ARMY MEDICAL RESEARCH AND DEVELOPMENT COMMAND, FORT DETRICK, MD.

Laser protection with image intensifier night vision devices
17 p2825 N91-25607

ARMY MILITARY PERSONNEL CENTER, ALEXANDRIA, VA.

Selection criteria for alternate software life cycle process models
[AD-A233228] 16 p2669 N91-24772
Numerical simulation of fluid flow in a simple rotor/stator pair
[AD-A236720] 19 p3164 N91-27497
An algorithm for solving a class of pseudo-Boolean equations
[AD-A236023] 19 p3226 N91-27835

ARMY MISSILE COMMAND, REDSTONE ARSENAL, AL.

A performance analysis and characterization of the Lumonics, Inc. HyperDYE-300 laser pumped dye laser
[AD-A225784] 04 p0528 N91-12929
The relevance of the De Broglie relation to the Hugoniot Elastic Limit (HEL) of shock loaded solid materials
[AD-A225786] 04 p0536 N91-12973
Occurrence and detection of supercooled water in the atmosphere
[AD-A225715] 04 p0547 N91-13033
Minilink II: Prototype of a miniature self-calibrating fiber optic analog data link
[AD-A224995] 04 p0582 N91-13248
Sensitivity time control loss
[AD-A229784] 12 p1884 N91-20358
Analysis of the flutter characteristics of the advanced kinetic energy missile (ADKEM) control surface
[AD-A232377] 15 p2383 N91-23193
Evaluation of a ferroelectric liquid crystal spatial light modulator
[AD-A232117] 15 p2508 N91-23899
JANNAF standardization of tension, compression, and shear test methods to determine mechanical material properties for filament wound composite structures
16 p2576 N91-24278
A survey of analog-to-digital converter technology for radar applications
[AD-A236749] 19 p3153 N91-27429
A simulated lightning effects test facility for testing live and inert missiles and components
24 p4068 N91-32725

ARMY NATICK LABS., MA.

Optical transmission properties of selected shelter materials
[AD-A225072] 03 p0418 N91-12338
An assessment of long-term changes in anthropometric dimensions: Secular trends of US Army males
[AD-A230416] 12 p1933 N91-20636
A computer program for measuring fibers with the ZEISS CSM 950 scanning electron microscope
[AD-A229952] 12 p1955 N91-20754

Evaluation of an alternative rotorcraft cargo lowering device for the delivery of 500-lb ammunition loads
[AD-A230995] 13 p2024 N91-21133
The effects of chemical protective gloves and glove liners on manual dexterity
[AD-A231250] 13 p2129 N91-21721
A correlation study between two color-measuring spectrophotometers
[AD-A231416] 14 p2327 N91-22854
Mechanical properties of polycarbonate-polysulfone and polycarbonate-polyetherimide blends
[AD-A234939] 18 p2964 N91-26360
Physiological and perceptual responses to load carrying in female subjects using internal and external frame backpacks
[AD-A234941] 18 p3029 N91-26722
Analysis of ballistically caused damage in some test panel fibers
[AD-A236061] 19 p3175 N91-27552

ARMY NATICK RESEARCH AND DEVELOPMENT COMMAND, MA.
Notional helmet concepts: A survey of near-term and future technologies
[AD-A234475] 18 p3035 N91-26752
Human analogue models for computer-aided design and engineering applications
[AD-A229520] 24 p4077 N91-32775

ARMY RESEARCH INST. FOR THE BEHAVIORAL AND SOCIAL SCIENCES, ALEXANDRIA, VA.
Experimental development of taxonomic workstation
[AD-A224809] 03 p0401 N91-12227
Test analysis program evaluation: Item statistics as feedback to test developers
[AD-A229851] 11 p1771 N91-19713
An annotated bibliography of the aircrew selection literature
[AD-A230484] 12 p1931 N91-20627
A meta-analytic approach for relating subjective workload assessments with US Army Aircrew Training Manual (ATM) ratings of pilot performance
[AD-A230127] 12 p1932 N91-20633
Techniques to aid DoD writers in developing user-oriented directives
[AD-A229962] 12 p1997 N91-20991
Human performance concerns for the TRACKWOLF system
[AD-A231359] 13 p2130 N91-21722
The selection of an experimental test battery for aviator cognitive, psychomotor abilities, and personal traits
[AD-A231887] 14 p2300 N91-22710
Formulative evaluation study of a prototype near-infrared projection system: Night vision goggle study
[AD-A231759] 16 p2664 N91-24739

ARMY RESEARCH INST. OF ENVIRONMENTAL MEDICINE, NATICK, MA.
Assessment of body weight standards in male and female Army recruits
[AD-A224586] 03 p0394 N91-12188
The effects of sleep loss on individual and group performance
[AD-A226963] 06 p0853 N91-14708
Quantification of lower bounds for endurance times in thermally insulated fingers and toes exposed to cold stress
[AD-A227782] 08 p1191 N91-16545
Sustaining health and performance in the desert: Environmental medicine guidance for operations in Southwest Asia
[AD-A229643] 12 p1929 N91-20616
Level of dietary fat does not affect fuel oxidation or endurance exercise performance of soldiers
[AD-A235194] 18 p3030 N91-26728
Data acquisition system for collecting biophysical and physiological data
[AD-A237654] 21 p3547 N91-29710
Physiological responses to intermittent exercise as modified by heat stress and protective clothing
[AD-A237447] 21 p3548 N91-29716
Cold-induced changes in arterial sensitivity
[AD-A239493] 23 p3900 N91-31767

ARMY RESEARCH OFFICE, RESEARCH TRIANGLE PARK, NC.
Research and Technology Transfer Ion Implantation Technology for Specialty Materials: Proceedings of a joint workshop
[AD-A236060] 19 p3253 N91-27997
Chemistry related to semiconductor growth involving organometallics
[AD-A229489] 22 p3758 N91-30947

ARMY SCIENCE BOARD, WASHINGTON, DC.
Electromagnetic/electrothermal gun technology development
[AD-A236493] 19 p3109 N91-27174

ARMY STRATEGIC DEFENSE COMMAND, HUNTSVILLE, AL.
Management of variation and TQM
[AD-A238399] 21 p3569 N91-29843

ARMY TANK-AUTOMOTIVE COMMAND, WARREN, MI.
ADRPM-VII applied to the long-range acoustic detection problem 08 p1215 N91-16689

ARMY WAR COLL., CARLISLE BARRACKS, PA.
Airships and the modern military
[AD-A233610] 16 p2548 N91-24117
What fuels our future?
[AD-A233674] 18 p2968 N91-26387
Space support for airland battle-future
[AD-A233868] 18 p3054 N91-26864
Space systems requirements: The Navy approach
[AD-A236490] 20 p3288 N91-28181

ARNOLD ENGINEERING DEVELOPMENT CENTER, ARNOLD AIR FORCE STATION, TN.
User's guide to CUNIFLOW
[AD-A207606] 01 p0001 N91-10004
Infrared surface temperature measurements in the presence of reflected radiation
[AD-A225660] 04 p0539 N91-12991
Potential application of magnetohydrodynamic acceleration to hypersonic environmental testing
[AD-A225678] 04 p0585 N91-13263
Some buffet response characteristics of a twin-vertical-tail configuration
[NASA-TM-102749] 05 p0615 N91-13412
Development of a free-jet forebody simulator design optimization method
[AD-A230162] 12 p1829 N91-20050
Space chambers contamination diagnostics and analysis
[AD-A230248] 12 p1851 N91-20174
Contamination effects of satellite material outgassing products on thermal surfaces and solar cells
[AD-A230199] 12 p1854 N91-20187
Interactive EAGLE: An interactive surface mesh and three-dimensional grid generation system. Version 1.0 user's guide
[AD-A230093] 12 p1955 N91-20757
Evaluation of air injection in a sudden expansion diffuser for real-time afterburning application
[AD-A230850] 13 p2026 N91-21141
Nonintrusive nitric oxide density measurements in the NASA Langley arc-heated scramjet engine test facility
[AD-A231260] 13 p2026 N91-21142
AEDC focal plane array test capability
[AD-A230846] 13 p2071 N91-21408
Diagnostic measurements on an aluminized propellant plume during spin and nonspin testing
[AD-A232031] 15 p2391 N91-23235
Computation of inlet reference plane flow-field for a subscale free-jet forebody/inlet model and comparison to experimental data
[AD-A232101] 15 p2427 N91-23445
Aero-optics measurement system for the AEDC aero-optics test facility
[AD-A232852] 15 p2510 N91-23908
Bidirectional reflectance distribution (BRDF) of NASA shuttle tiles
[AD-A235115] 18 p2935 N91-26188
Ultraviolet/visible spectral radiance for the bow shock of a projectile launched at high velocities in the AEDC track G facility
[AD-A236503] 19 p3102 N91-27137
Carina aerothermal test at Mach 8
[AD-A238561] 21 p3465 N91-29218
Effect of geometric parameters on the performance of second throat annular steam ejectors
[AD-A238645] 21 p3515 N91-29522
Application of diffraction correction to blackbody sources
[AD-A237840] 21 p3582 N91-29926

ARTECH CORP., CHANTILLY, VA.
An evaluation of commercial additives for fuel stability enhancement; bottle tests at 65 C
[AD-A224868] 04 p0510 N91-12831

ASCL CORP., MCLEAN, VA.
Total human exposure and indoor air quality: An automated bibliography (BLIS) with summary abstracts, volume 2
[PB91-137281] 19 p3210 N91-27743

ASSISTANT SECRETARY OF DEFENSE (PRODUCTION AND LOGISTICS), WASHINGTON, DC.
Guide for identification and development of metric standards
[AD-A225589] 07 p0988 N91-15422
Tiled raster graphics and MIL-R-28002A: A tutorial and implementation guide
[PB91-187708] 22 p3727 N91-30746

ASSISTANT SECRETARY OF THE AIR FORCE, WASHINGTON, DC.
The USAF STINFO program overview
[AD-A226969] 08 p1241 N91-16838
Document marking
[AD-A231150] 14 p2340 N91-22940
Abridged USAF STINFO program manager's overview manual
[AD-A232483] 15 p2525 N91-23995
The value of STINFO
[AD-A232484] 15 p2525 N91-23996
Interacting with DTIC
[AD-A232485] 15 p2525 N91-23997

ASSISTANT SECRETARY OF THE ARMY (RESEARCH, DEVELOPMENT AND ACQUISITION), WASHINGTON, DC.
The 17th Army Science Conference Proceedings.Volume 1: Principal authors A through F
[AD-A230098] 12 p2009 N91-21056
The 17th Army Science Conference proceedings. Volume 2: Principal authors G through M
[AD-A230099] 12 p2009 N91-21057
The 17th Army Science Conference proceedings. Volume 3: Principal authors N through Z
[AD-A230100] 12 p2009 N91-21058

ASSOCIATED WEATHER SERVICES, ALBANY, NY.
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States
[PB91-100164] 09 p1358 N91-17464

ASSOCIATION AERONAUTIQUE ET ASTRONAUTIQUE DE FRANCE, PARIS.
Measurement of six component efforts in transition flow
[AAAF-NT-89-01] 23 p3783 N91-31097
RADAC model deformation measurement system: First results at the F1 wind tunnel
[AAAF-NT-89-03] 23 p3784 N91-31098
Conditional sampling
[AAAF-NT-89-04] 23 p3784 N91-31099
Laser velocimetry at the CEAT aerodynamic group: Application to unsteady measurements on a fluid flap profile
[AAAF-NT-89-05] 23 p3784 N91-31100
Low level turbulence detection by a laser velocimetry technique: Application to transonic flows
[AAAF-NT-89-07] 23 p3784 N91-31101
Local mean mass volume measurement around a model with lateral jet in supersonic flow
[AAAF-NT-89-08] 23 p3784 N91-31102
Laser Fourier densitometry and laser induced photochemical anemometry in supersonic flow
[AAAF-NT-89-09] 23 p3785 N91-31103
Airfoil-vortex interaction: Unsteady wall pressure measurement
[AAAF-NT-89-13] 23 p3785 N91-31104
Boundary layer transition detection and measurement methods at CERT/DERAT
[AAAF-NT-89-14] 23 p3785 N91-31105
Second generation supersonic transport aircraft: Low speed aerodynamics
[AAAF-NT-89-02] 23 p3790 N91-31137
Instrumentation under development for the ONERA F4 wind tunnel
[AAAF-NT-89-11] 23 p3798 N91-31187
A first hot wire scanner
[AAAF-NT-89-16] 23 p3798 N91-31188
Boundary layer turbulence appearance mechanisms studied by plane laser visualizations
[AAAF-NT-89-10] 23 p3870 N91-31587
Use of 4-hot-wire probes to study turbulent flow
[AAAF-NT-89-15] 23 p3870 N91-31588
Choice representation modes and color palettes
[AAAF-NT-89-17] 23 p3870 N91-31589
Flow visualization and simulation
[AAAF-NT-89-18] 23 p3870 N91-31590
Postprocessing of test and computation results by the wavelet method
[AAAF-NT-89-24] 23 p3870 N91-31591
Postprocessing of experimental and numerical results in the case of two and three dimensional flows
[AAAF-NT-89-25] 23 p3871 N91-31592
The development of a specific image analysis technique for exploiting flow visualization negatives
[AAAF-NT-89-26] 23 p3871 N91-31593
Laser Doppler anemometer miniaturized with diode laser
[AAAF-NT-89-06] 23 p3878 N91-31637
Interactive tool visualization of three dimensional 3D results
[AAAF-NT-89-19] 23 p3913 N91-31847
Post processing of three dimensional aerothermal computation
[AAAF-NT-89-21] 23 p3913 N91-31848
Use of the animated images for the visualization of computational results
[AAAF-NT-89-22] 23 p3913 N91-31849
Visualization of three dimensional unsteady computation results
[AAAF-NT-89-23] 23 p3913 N91-31850

Application of an acquisition image processing system to the quantitative analysis of flows
[AAAF-NT-89-27] 23 p3913 N91-31851
Aerodynamic computation post processing tools
[AAAF-NT-89-20] 24 p3949 N91-32073

ASTON UNIV., BIRMINGHAM (ENGLAND).
Flexible high-speed machinery
03 p0371 N91-12082
Wear and corrosion of mechanical seals
03 p0373 N91-12088
The implementation of a functional query language front-end to a relational database system, volumes 1 and 2
09 p1420 N91-17816
Precise orbit determination and analysis from satellite altimetry and laser ranging (Application of SEASAT data to atmospheric density evaluation)
17 p2738 N91-25157

ASTRIDGE (DEREK) AND ASSOCIATES, LANGPORT (ENGLAND).
Helicopter transmissions: Design for safety and reliability
01 p0008 N91-10043

ASTRO AEROSPACE CORP., CARPINTERIA, CA.
Concepts and analysis for precision segmented reflector and feed support structures
[NASA-CR-182064] 07 p0963 N91-15300
Influence of utility lines and thermal blankets on the dynamics and control of satellites with precision pointing requirements
[NASA-CR-4366] 14 p2234 N91-22359

ASTROPOWER, INC., NEWARK, DE.
Thin crystalline InP on insulating substrates
[AD-A226386] 04 p0590 N91-13294
AlGaAs top solar cell for mechanical attachment in a multi-junction tandem concentrator solar cell stack
11 p1667 N91-19187
Electronic GaAs-on-silicon material for advanced high-speed optoelectronic devices
[AD-A232088] 15 p2419 N91-23399
Development of N/P AlGaAs free-standing top solar cells for tandem applications 22 p3633 N91-30218
Direct glass bonded high specific power silicon solar cells for space applications 22 p3634 N91-30221

ATLANTIC COUNCIL OF THE UNITED STATES, WASHINGTON, DC.
Energy-related environmental issues in a global context
[DE91-009538] 15 p2459 N91-23627

ATLANTIC RESEARCH CORP., ARLINGTON, VA.
An assessment of tailoring of lightning protection design requirements for a composite wing structure on a metallic aircraft 24 p4053 N91-32641

ATLANTIC RESEARCH CORP., GAINESVILLE, VA.
A unique hybrid propulsion system design for large space boosters 16 p2571 N91-24248

ATLANTIC RESEARCH CORP., LANDOVER, MD.
Current Emergency Locator Transmitter (ELT) deficiencies and potential improvements utilizing TSO-C91a ELTs
[NASA-CR-4330] 02 p0166 N91-10964

ATLANTIC RESEARCH CORP., NIAGARA FALLS, NY.
Composite overwrap positive expulsion propellant tanks 16 p2573 N91-24262
State-of-the-art 22N (5 lbf) thruster finds broad application 16 p2574 N91-24265

ATLANTIC RESEARCH CORP., ROME, NY.
Cathode life test facility users manual operating and measurement procedures
[AD-A232506] 16 p2619 N91-24502

ATLANTIS SCIENTIFIC SYSTEMS GROUP, INC., OTTAWA (ONTARIO).
Updates to the DREO airborne radar simulator
[ASSGI-167] 23 p3852 N91-31478
Improvements to programs for system studies of space-based radar
[DRE-179] 23 p3853 N91-31484
Behaviour of the SIR for space-based DPCA radar under various spatial clutter distributions
[CRC-W7714-7-5271] 23 p3854 N91-31485
Pulse Doppler radar simulation study
[ASSGI-14SV-W7714-7-5353] 23 p3854 N91-31486

ATMOSPHERIC AND ENVIRONMENTAL RESEARCH, INC., CAMBRIDGE, MA.
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 1
[NASA-CR-4346-PT-1] 10 p1542 N91-18489
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 2
[NASA-CR-4346-PT-2] 10 p1543 N91-18490
Natural and anthropogenic climate change
[DE91-007363] 11 p1733 N91-19532
The hemispherical asymmetry of the residual polar caps on Mars
[NASA-CR-188100] 12 p2008 N91-21051
Path characterization algorithms for FASCODE
[AD-A231914] 14 p2307 N91-22749
Design of an enhanced global spectral model
[AD-A232123] 15 p2464 N91-23655
Satellite data derived estimates of erosion parameters for reentry vehicles
[AD-A234792] 18 p2935 N91-26189
Natural and anthropogenic climate change
[DE91-014734] 20 p3371 N91-28673

ATMOSPHERIC RADIATION CONSULTANTS, ACTON, MA.
Limb retrieval capability of the SPIRIT 3 radiometer
[AD-A236351] 19 p3200 N91-27689

ATMOSPHERIC RESEARCH SYSTEMS, INC., PALM BAY, FL.
The effect of the Earth's oblate spheroid shape on the accuracy of a time-of-arrival lightning ground strike locating system 24 p4064 N91-32706

ATMOSPHERIC SCIENCES OFFICE, WHITE SANDS MISSILE RANGE, NM.
A noise assessment and prediction system
08 p1217 N91-16702
Effects of large-scale wind driven turbulence on sound propagation 08 p1218 N91-16704

ATOMIC ENERGY COMMISSION, DAMASCUS (SYRIA).
Preparation and characterisation of LaBaCaCu3O(x) and La(1.3)Ba(1.7)Cu3O(x)
[DE91-615673] 12 p1985 N91-20924
International document on food irradiation
[DE91-615879] 13 p2128 N91-21715

AUBURN UNIV., AL.
Theoretical atomic physics for fusion
[DE90-017280] 01 p0120 N91-10710
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
QUEST/Ada (Query Utility Environment for Software Testing of Ada): The development of a prgram analysis environment for Ada, task 1, phase 2
[NASA-CR-186939] 04 p0556 N91-13082
GRASP/Ada (Graphical Representations of Algorithms, Structures, and Processes for Ada): The development of a program analysis environment for Ada. Reverse engineering tools for Ada, task 1, phase 2
[NASA-CR-186940] 04 p0556 N91-13083
Plastic deformation mechanisms in polyimide resins and their semi-interpenetrating networks
04 p0595 N91-13321
The design of optical sensor for the pinhole/occulter facility
[NASA-CR-187694] 06 p0872 N91-14825
Thermal Storage Advanced Thruster System (TSATS) Experimental Program
[NASA-CR-187095] 09 p1301 N91-17138
The properties and weldability of low activation ferritic steels
[DE90-011872] 09 p1311 N91-17195
Summary of 1989 - 1990 aeronautics design projects
10 p1481 N91-18160
Silicon device performance measurements to support temperature range enhancement
[NASA-CR-187904] 10 p1517 N91-18352
Experimental studies of plasma fluctuations using electron cyclotron emission on ATF (Advanced Toroidal Facility) and TEXT (Texas Experimental Tokamak)
[DE91-005917] 10 p1601 N91-18831
Disk flexibility effects on the rotordynamics of the SSME high pressure turbopumps 10 p1628 N91-18980
Current limiting remote power control module
10 p1630 N91-18987
Verification of component mode techniques for flexible multibody systems 10 p1635 N91-19021
QUEST/Ada (query utility environment for software testing of Ada: The development of a program analysis environment for Ada, task 1, phase 3
[NASA-CR-187983] 11 p1775 N91-19735
Rocket-triggered lightning strikes and forest fire ignition 11 p1824 N91-20027
GRASP/Ada: Graphical Representations of Algorithms, Structures, and Processes for Ada. The development of a program analysis environment for Ada: Reverse engineering tools for Ada, task 2, phase 3
[NASA-CR-187982] 14 p2303 N91-22723
Distributed multi-agent planning
[AD-A233522] 16 p2670 N91-24780
A multiobjective control synthesis for articulated space structures 17 p2740 N91-25162
Hydrogen-induced fracture characteristics of single crystal nickel-based superalloy 17 p2758 N91-25268
Damping phenomena in a wire rope vibration isolation system 17 p2789 N91-25430
An energy-based fracture criterion for fiber composites
17 p2790 N91-25435
Strategies for parallel AI implementations
[AD-A234449] 18 p3045 N91-26811
SRB seawater corrosion project
[NASA-CR-184188] 22 p3640 N91-30260
A study of fracture mechanisms in ATD roller bearing
[NASA-CR-184200] 24 p4026 N91-32497

AUGSBURG COLL., MINNEAPOLIS, MN.
A correlative investigation of the propagation of ULF wave power through the dayside magnetosphere
[NASA-CR-187784] 09 p1322 N91-17259

AUSTRALIAN NATIONAL UNIV., CANBERRA.
Teleseismic travel-time anomalies and deep crustal structure of the northern and southern margins of the Amadeus Basin 19 p3197 N91-27673

AUSTRALIAN NUCLEAR SCIENCE AND TECHNOLOGY ORGANIZATION, LUCAS HEIGHTS.
ANSTO: Australian Nuclear Science and Technology Organization
[DE90-637389] 02 p0269 N91-11507

AUSTRON, INC., AUSTIN, TX.
GPS/Loran-C interoperability for time and frequency applications: A survey of the times of arrival of Loran-C transmissions via GPS common mode/common view satellite observations 17 p2858 N91-25803

AUTOMETRIC CORP., INC., ROME, NY.
Architecture for electronic imagery interoperability
[AD-A226522] 05 p0700 N91-13901

AVCO-EVERETT RESEARCH LAB., MA.
Lightweight transformer
[DE91-004166] 10 p1516 N91-18348
MHD channel gas-side element erosion-corrosion studies
[DE91-008561] 15 p2511 N91-23911

AVCO LYCOMING DIV., STRATFORD, CT.
Small Engine Component Technology (SECT) study. Program report
[NASA-CR-175077] 16 p2561 N91-24204

AVIATION PLANNING ASSOCIATES, INC., CINCINNATI, OH.
Economic impact of aviation in Pennsylvania
[PB91-128264] 14 p2185 N91-22067

AVIONS MARCEL DASSAULT, SAINT-CLOUD (FRANCE).
Formal tools and simulation tools: A coherent workshop 07 p1044 N91-15728

AVIONS MARCEL DASSAULT-BREGUET AVIATION, SAINT-CLOUD (FRANCE).
Infrared thermography development for material evaluation of Hermes space plane components
03 p0330 N91-11839
PMR 15T: Preliminary characterization for the mechanical properties and manufacturing
03 p0330 N91-11842
Materials for Hermes hot structural parts: Requirements and testing 03 p0334 N91-11872

AZ TECHNOLOGY, HUNTSVILLE, AL.
Thermal control surfaces experiment (SOO69) flight systems performance 16 p2724 N91-25088
Thermal control surfaces experiment: Initial flight data analysis
[NASA-CR-188600] 17 p2738 N91-25156

B

BABCOCK AND WILCOX CO., ALLIANCE, OH.
Numerical modeling applications for gas combustion systems
[PB91-159541] 17 p2758 N91-25265

BABCOCK AND WILCOX CO., LYNCHBURG, VA.
Research and development of a ceramic fiber composite heat exchanger
[DE90-017250] 05 p0631 N91-13497

BALL AEROSPACE SYSTEMS DIV., BOULDER, CO.
Combined Release and Radiation Effects Satellite (CRRES): Atlas 1 (Atlas/Centaur-69) launch vehicle
[NASA-TM-103460] 02 p0186 N91-11040

BALL AEROSPACE SYSTEMS DIV., MUNCIE, IN.
Fluid quantity gaging
[NASA-CR-185516] 16 p2631 N91-24566

BALL BROS. RESEARCH CORP., GARDENA, CA.
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840

BALL CORP., BOULDER, CO.
Pointing/roll mechanism for the ultraviolet coronagraph spectrometer 16 p2640 N91-24610
SIRTF/IRS cryogenic grating drive mechanism (ARC second positioning at 4 K) 16 p2640 N91-24611

BALLISTIC RESEARCH LABS., ABERDEEN PROVING GROUND, MD.
Prediction and comparison with measurements of the aerodynamic characteristics of flare-stabilized XM910 prototypes
[AD-A208099] 01 p0001 N91-10005
Large blast and thermal simulator advanced concept driver design by computational fluid dynamics
[AD-A211364] 01 p0039 N91-10230

A simple screw thread model for use in finite element stress analysis
[AD-A210233] 01 p0050 N91-10300
Test results from a two-stage traveling charge liquid propellant gun
[AD-A224593] 03 p0318 N91-11779
Cure simulation of thick thermosetting composites
[AD-A224885] 03 p0335 N91-11878
A methodology for quantitative comparison of experimental to predicted chemical deposition data
[AD-A224877] 03 p0337 N91-11889
Borohydride catalysis of nitramine thermal decomposition and combustion. 3: Literature review and wrap-up discussion of possible chemical mechanisms
[AD-A224918] 03 p0347 N91-11941
Condensed-phase processes during solid propellant combustion. 1: Preliminary chemical and microscopic examination of extinguished propellant samples
[AD-A225581] 03 p0347 N91-11943
Polynomial definition of discrete field points of map of diffusion equation, part 2
[AD-A224595] 03 p0412 N91-12306
A database storage system and the sonic digitizer method for radiographic data reduction used by the penetration mechanics branch
[AD-A224800] 03 p0427 N91-12393
Prediction of in-bore and aerodynamic heating of KE projectile fins
[AD-A226402] 04 p0471 N91-12640
Spike-nosed projectiles: Computations and dual flow modes in supersonic flight
[AD-A226433] 04 p0471 N91-12641
Laser-based multiphoton excitation processes in combustion diagnostics
[AD-A226031] 04 p0501 N91-12783
Explosive consolidation of combustion synthesized TiB2 and TiC: Microstructural properties
[AD-A226390] 04 p0504 N91-12800
Proceedings of the 5th Annual Conference on HAN-Based Liquid Propellants
[AD-A225016] 04 p0510 N91-12833
Shock tube studies of the ignition of triethanol ammonium nitrate in nitrous oxide: Preliminary results
[AD-A226397] 04 p0511 N91-12838
Modeling of compaction wave behavior in confined granular energetic material
[AD-A226435] 04 p0512 N91-12845
Flow visualization in a particle laden jet flow
[AD-A226432] 04 p0523 N91-12914
Ultraviolet excimer laser-based ignition of H2/air and H2/O2 premixed flows
[AD-A226389] 04 p0529 N91-12934
Superconducting and computational penetration mechanics
[AD-A226267] 04 p0532 N91-12950
The molecular structure of the HAN-based liquid propellants
[AD-A226415] 05 p0643 N91-13571
AN alternative to suppression: Modeling methodology for assessing indirect effects of weapons and human performance degradation
[AD-A226518] 05 p0696 N91-13877
Feasibility of cosmic-ray muon intensity measurements for tunnel detection
[AD-A223355] 05 p0768 N91-14266
Three dimensional flow calculations for a projectile with standard and dome bases 06 p0774 N91-14294
Navier-Stokes predictions of static and dynamic aerodynamic derivatives for high L/D finned projectiles 06 p0774 N91-14295
Analysis of hydroxylammonium nitrate based liquid propellants
[AD-A227300] 06 p0814 N91-14497
Direct numerical simulation of turbulent couette flow, part 2
[AD-A226770] 06 p0826 N91-14564
Improving spectral fits of absorption data taken with an array detector: Wavelength linearization
[AD-A228213] 07 p0987 N91-15420
Use of the Magnus force in the modified point mass trajectory model
[AD-A228194] 08 p1091 N91-15990
Small scale shock tube experiments using a computer controlled active rarefaction wave eliminator
[AD-A227507] 08 p1098 N91-16029
An approximation to true peak absorbance from observed peak absorbance for gas phase Fourier transform spectroscopy
[AD-A228357] 08 p1111 N91-16104
Rotational temperature estimation of CO at high temperatures by graphical methods using FTIR spectrometry
[AD-A228370] 08 p1111 N91-16105
Laser microplasma-gas chromatography detector. 2: Detection of species-specific fragment emission
[AD-A228373] 08 p1112 N91-16106
Evaluation of the HULL and SHARC hydrocodes in simulating the reflection of Mach 2.12 non-decaying shock on wedges of various angles
[AD-A227581] 08 p1142 N91-16287
Removal of NO and NO2 from contaminated atmospheres
[AD-A227260] 08 p1194 N91-16565
BLAST2D computations of the reflection of planar shocks from wedge surfaces with comparison to SHARC and STEALTH results
[AD-A227261] 08 p1199 N91-16589
A symptom of payload-induced flight instability
[AD-A227515] 09 p1284 N91-17062
Computational studies for 1/57-scale Large Blast Simulator (LBS) configurations with the BLAST2D code
[AD-A227514] 09 p1285 N91-17066
A technical assessment of electromagnetic propulsion for small caliber weapons applications
[AD-A229233] 09 p1294 N91-17110
Effects of metal contamination on hydroxylammonium nitrate-based liquid monopropellants
[AD-A229177] 09 p1320 N91-17248
Plasma analysis of a small-bore, arc-armature railgun
[AD-A230289] 12 p1851 N91-20175
Ar(+) laser excited fluorescence of diatomic combustion radicals in a flame
[AD-A230155] 12 p1865 N91-20248
Solution of the long rod penetration equations
[AD-A230156] 12 p1907 N91-20492
A logical framework for distributed data
[AD-A230037] 12 p1955 N91-20755
High-resolution vulnerability methods and applications
[AD-A230036] 12 p1972 N91-20850
Heats of explosion at low pressures, 2
[AD-A231020] 13 p2058 N91-21328
Combustion tests of black-powder substitutes for the hand-held signal flare
[AD-A231501] 13 p2058 N91-21330
Ab initio study of the electric dipole transition moment for the electronic X to C transition in acetylene: Theoretical predictions of the absorption and magnetic circular dichroism intensities
[AD-A231227] 13 p2077 N91-21442
Theoretical study of the radiative lifetime for the spin-forbidden transition a3 (sigma u +) to X1 (sigma g +) in He2
[AD-A230956] 13 p2151 N91-21854
The mechanical response of M30, XM39, and JA2 propellants at strain rates from one one-hundredth to 250 per second
[AD-A231435] 14 p2252 N91-22461
The effects of composition variation and nitric acid on the stability and reactivity of the HAN-based liquid propellants
[AD-A231502] 14 p2253 N91-22462
Quantum chemical studies of candidate high energy density material compounds
[AD-A232393] 15 p2408 N91-23335
Power packs: A passive approach to extinguishing fire in combat vehicles
[AD-A232020] 15 p2410 N91-23342
Diffusive, electrostatic concentration of disintegration products of inert gases in vortex flow
[AD-A232876] 15 p2429 N91-23457
Time rates of generalized strain tensors. Part 1: Component formulas
[AD-A232497] 15 p2431 N91-23469
Energy-efficient penetration of targets
[AD-A232227] 15 p2440 N91-23518
Temperature measurements of ET plasmas using atomic emission spectroscopy
[AD-A232498] 15 p2513 N91-23930
Microemulsion of molten salts
[AD-A233054] 16 p2598 N91-24398
Mass transfer of decaying products in vortex pipe flow with gravity effect
[AD-A232875] 16 p2624 N91-24529
Classical dynamics studies of unimolecular decomposition of nitromethane
[AD-A232867] 16 p2682 N91-24850
Aerodynamics of a 0.60 caliber electromagnetic projectile
[AD-A234660] 18 p2921 N91-26116
The effect of sabot wheelbase and position on the launch dynamics of fin-stabilized kinetic energy ammunition
[AD-A234945] 18 p2922 N91-26118
A new high-progressivity/high-density propulsion concept: Partially cut multiperforated stick propellant
[AD-A234255] 18 p2969 N91-26391
Optical studies of the flow start-up processes in four convergent-divergent nozzles
[AD-A234552] 18 p2983 N91-26473
An analysis on the stability of the Mie-Gruneisen equation of state for describing the behavior of shock-loaded materials
[AD-A233827] 18 p3074 N91-26988
BRLCB: A closed chamber data analysis program with provisions for deterred and layered propellants
[AD-A235618] 19 p3144 N91-27376
Two-stage igniter test results: Electrical ignition of LGP 1846
[AD-A235619] 19 p3144 N91-27377
Numerical simulation of reacting flow in a thermally choked ram accelerator-model development and validation
[AD-A234080] 19 p3162 N91-27484
Spectral studies of solid propellant combustion. 3: Emission and absorption results for HMX2 propellant
[AD-A237958] 21 p3475 N91-29276
Report on using expert systems for computer-aided formulation and property estimation of propellants. 1: Expert system shell selection and initial package design
[AD-A237567] 21 p3493 N91-29383
Experimental hypervelocity firings using stick and granular propellant configurations
[AD-A238628] 21 p3493 N91-29384
Description of a computer fault detector and net isolator
[AD-A238387] 21 p3501 N91-29428
A method of investigating scales of motion in a turbulent wake
[AD-A237923] 21 p3514 N91-29514
Randomization procedures applied to analysis of ballistic data
[AD-A238389] 21 p3603 N91-30050
An alternative form of the modified point-mass equation of motion
[AD-A229514] 22 p3657 N91-30357

BANDUNG INST. OF TECH. (INDONESIA).
Survey observations of emission-line stars in the Orion region 06 p0897 N91-14955

BAR-ILAN UNIV., RAMAT-GAN (ISRAEL).
Biomaterial interactions with organized surfaces 14 p2295 N91-22689
A high resolution study of the Cu K alpha(sub 1,2) x-ray emission lines 15 p2499 N91-23841

BARI UNIV. (ITALY).
An introduction to old and new SAR interferometric techniques 07 p0992 N91-15445

BARR ASSOCIATES, INC., WESTFORD, MA.
Transmittance measurements of ultra violet and visible wavelength interference filters flown aboard LDEF 16 p2722 N91-25078

BARRODALE COMPUTING SERVICES LTD., VICTORIA (BRITISH COLUMBIA).
Inversion of ultrasonic traces
[DREP-89-41] 22 p3750 N91-30904

BATH UNIV. (ENGLAND).
Control of vibration in a flexible rotor-bearing system 22 p3685 N91-30519

BATTELLE COLUMBUS LABS., MOUNTAIN VIEW, CA.
Non-airborne conflicts: The causes and effects of runway transgressions
[NASA-CR-177372] 13 p2022 N91-21121
Human factors in aviation: Terminal control area boundary conflicts
[NASA-CR-177522] 13 p2128 N91-21714

BATTELLE COLUMBUS LABS., RESEARCH TRIANGLE PARK, NC.
An evaluation of shape methods for helicopter classification and orientation determination
[AD-A227326] 07 p0939 N91-15148

BATTELLE COLUMBUS LABS., OH.
Definition of experiments to investigate fire suppressants in microgravity
[NASA-CR-185295] 06 p0792 N91-14378
Method to select chemicals for in situ biodegradation of fuel hydrocarbons
[AD-A227541] 07 p0987 N91-15417
Core operations of the metals and ceramics information center (A DoD information analysis center)
[AD-A229682] 12 p1998 N91-20996
Assessment of ultra-wideband (UWB) technology
[AD-A233624] 16 p2618 N91-24495
Electromagnetic launch technology assessment. Scientific basis and unified treatment: Forces and electromechanical power conversion (analytical and numerical methods)
[AD-A235028] 18 p2934 N91-26185
Application of ceramics to industrial gas turbines
[DE91-013140] 21 p3484 N91-29330

BATTELLE INST., FRANKFURT AM MAIN (GERMANY, F.R.).
Drop evaporation in a single-axis acoustic levitator 13 p2063 N91-21356
A new, simple electrostatic-acoustic hybrid levitator 13 p2065 N91-21369
Dispersion layers by electrodeposition (TEXUS 1) 23 p3828 N91-31350
Dispersion electrolysis (TEXUS 4) 23 p3828 N91-31351

Dispersion electrolysis (TEXUS 7)
23 p3828 N91-31352
Dispersion electrolysis (TEXUS 9)
23 p3828 N91-31353
Acoustic mixing (TEXUS 5) 23 p3842 N91-31423
Solidification of immiscible alloys (TEXUS 8)
23 p3842 N91-31424
Separation of transparent fluids due to Marangoni convection (TEXUS 7) 23 p3842 N91-31425
Marangoni transport of droplets at a solidification front (TEXUS 9) 23 p3842 N91-31426
Acoustic positioning of a molten alloy sample (TEXUS 1) 23 p3850 N91-31464
Acoustic positioning (TEXUS 9) ESA
23 p3850 N91-31465
Acoustic positioning (TEXUS 14b) ESA
23 p3850 N91-31467
Electrostatic positioning for containerless processing of a Li-silicate glass (TEXUS 10) ESA
23 p3851 N91-31469

BATTELLE MEMORIAL INST., COLUMBUS, OH.
Variational method in the statistical theory of turbulence
[AD-A231621] 13 p2084 N91-21484
Experiment on rapidly intensifying cyclones over the Atlantic
[AD-A231377] 13 p2123 N91-21682
Theoretical prediction of vibrational infrared frequencies of tertiary amines
[AD-A232880] 15 p2399 N91-23288

BATTELLE MEMORIAL INST., RESEARCH TRIANGLE PARK, NC.
The development of a fiber-optic readout pressure transducer
[AD-A238393] 21 p3519 N91-29545

BATTELLE MEMORIAL INST., RICHLAND, WA.
Fundamental investigation of micelles and microemulsions in supercritical fluids
[AD-A231073] 13 p2083 N91-21476

BATTERY ENGINEERING, INC., HYDE PARK, MA.
Improvement in the capacity and safety of lithium/inorganic electrolyte sulfur dioxide rechargeable cells, phase 2
[AD-A235303] 18 p3004 N91-26589

BAYLOR COLL. OF MEDICINE, HOUSTON, TX.
A study of neuronal properties, synaptic plasticity, and network interactions using a computer reconstituted neuronal network derived from fundamental biophysical principles
[AD-A230476] 12 p1927 N91-20605
A study of neuronal properties, synaptic plasticity, and network interactions using a computer reconstituted neuronal network derived from fundamental biophysical principles
[AD-A230477] 12 p1927 N91-20606

BBN SYSTEMS AND TECHNOLOGIES CORP., CAMBRIDGE, MA.
Fault recovery recommendation
02 p0164 N91-10952
Radio-parameter selection algorithm for receiver-directed packet-radio networks (SRNTN-73)
[AD-A224866] 03 p0356 N91-11990
Monitoring CAP8 and SURAP networks (SRNTN-12)
[AD-A224992] 04 p0513 N91-12854
Improvements in the BYBLOS continuous speech recognition system
[AD-A230126] 12 p1881 N91-20342
Architectures for a high performance distributed operating system
[AD-A235333] 18 p2976 N91-26429

BBN SYSTEMS AND TECHNOLOGIES CORP., CANOGA PARK, CA.
Study to determine seismic response of sonic boom-coupled Rayleigh waves
[AD-A225105] 03 p0390 N91-12173
Seismic response to sonic boom-coupled Rayleigh waves
[AD-A225104] 04 p0546 N91-13029

BDM INTERNATIONAL, INC., ALBUQUERQUE, NM.
Engineering, construction, and operations in space
17 p2755 N91-25247

BDM INTERNATIONAL, INC., MCLEAN, VA.
Analog optical neural nets: A noise sensitivity analysis
[AD-A226789] 07 p1055 N91-15793

BECHTEL INTERNATIONAL CORP., SAN FRANCISCO, CA.
Engineering, construction, and operations in space
17 p2755 N91-25247

BEECH AIRCRAFT CORP., BOULDER, CO.
Method for fastening aircraft frame elements to sandwich skin panels covering same using woven fiber connectors
[PATENT-1-274-075] 23 p3788 N91-31126

BEECH AIRCRAFT CORP., WICHITA, KS.
Design and certification of aircraft for the HERF environment
04 p0461 N91-12575
Aging aircraft: Issues and partial answers
10 p1453 N91-18008
Beechcraft starship strength certification
16 p2645 N91-24643

BEIJING OBSERVATORY, HUAIROU (CHINA).
Compact reflection nebulae, a transit phase of evolution from post-AGB to planetary nebulae
06 p0911 N91-15029

BELEIDSCOMMISSIE REMOTE SENSING, DELFT (NETHERLANDS).
Impact of SASS wind data on analyses and forecasts of a fine mesh limited area model
[BCRS-89-38] 01 p0093 N91-10544
Forest classification with high resolution satellite images. Research into the use of spatial information to improve the multi-spectral classification with SPOT images
[BCRS-89-32] 02 p0227 N91-11269
Remote sensing for marine activities
[BCRS-89-41] 02 p0228 N91-11273
Remote sensing for marine activities: Appendices
[BCRS-89-11-APP] 02 p0228 N91-11274
Wave data assimilation in a 3rd generation. Wave prediction model for the North Sea: An optimal control approach
[BCRS-89-22] 02 p0242 N91-11348
Analysis of IRIS and VARAN-S image data, automated geometrical processing, and data extraction
[BCRS-89-37] 03 p0358 N91-12005
Spatial image pattern analysis and basic soil properties of natural vegetation
[BCRS-90-01] 03 p0385 N91-12148
Analysis of the October 1984 L-band DUTSCAT scatterometer data
[BCRS-89-40] 04 p0538 N91-12985
Topographic mapping from SPOT satellite imagery
[BCRS-90-06] 04 p0539 N91-12986
High and low resolution satellite images to monitor agricultural land
[BCRS-90-07] 04 p0539 N91-12987
Estimation of rainfall in Zambia using METEOSAT-TIR data
[BCRS-89-43] 04 p0548 N91-13041
Kopstudie BLASER (laser bathymetry)
[BCRS-89-36] 04 p0550 N91-13049
The relation between tree physiology and multispectral and color photography: First phase
[BCRS-89-39] 05 p0681 N91-13785
Strategic plan commercialization remote sensing by NEDECO
[BCRS-89-35] 06 p0839 N91-14637
Extraction of marketable information from ERS-1 data
[BCRS-90-03] 08 p1167 N91-16425
Sahelian vegetation monitoring project
[BCRS-90-04] 08 p1167 N91-16426
Detection of soil moisture using X-band SLAR records in a sandy area
[BCRS-90-08] 08 p1168 N91-16427
The usefulness of MSS pictures for mapping and biomass estimation of macro-algae and seaweed in the Eastern Scheldt
[BCRS-90-09] 08 p1168 N91-16428
The dielectric properties of wet soils
[BCRS-90-13] 08 p1168 N91-16429
Procedure for the correction of errors in the DUTSCAT data 1987/1988
[BCRS-90-14] 08 p1168 N91-16430
Detection of submarine springs by thermal infrared imaging
[BCRS-90-11] 10 p1538 N91-18464
Slope modulation of the radar backscatter by sea waves
[BCRS-88-05] 11 p1693 N91-19327
Explorative measurements on the possibilities to observe river bottom topography with SLAR
[BCRS-90-23] 14 p2257 N91-22485
Investigation of a thermal infrared detector array
[BCRS-90-20] 14 p2268 N91-22547
Radar remote sensing of tropical forests: A literary review
[BCRS-90-05B] 14 p2280 N91-22611
Utilization of remote sensing in land use practice
[BCRS-90-10] 14 p2280 N91-22612
On the use of an advanced image processing system for the automatic derivation of quantitative information from Meteosat images
[BCRS-90-16] 14 p2290 N91-22666
Comparison of TOSCANE-2 data and Donelan-Pierson model
[BCRS-90-18] 14 p2290 N91-22667
DASWAM: A program for data-assimilation in a 3rd generation wave model
[BCRS-90-15] 14 p2293 N91-22680
An optical multichannel analyser based large volume reflectometer
[BCRS-90-37] 24 p4020 N91-32469

BELGIAN AIR FORCE, BRUSSELS.
Review of female applicant aircrew in the Belgian forces 02 p0246 N91-11368

BELGIAN ROYAL OBSERVATORY, BRUSSELS.
New results in the theory of dust grain alignment
06 p0888 N91-14906

BELL COMMUNICATIONS RESEARCH, INC., MORRISTOWN, NJ.
Background simulation and filter design using iterated function systems
[AD-A232632] 15 p2420 N91-23405
Full text retrieval with graphics
17 p2876 N91-25907
Coordination in large scale software development
[AD-A234898] 18 p3041 N91-26787

BELL COMMUNICATIONS RESEARCH, INC., PISCATAWAY, NJ.
HEAVENS system for software artifacts
13 p2167 N91-21958

BELL TELEPHONE LABS., INC., HOLMDEL, NJ.
LDR: A submillimeter great observatory
13 p2176 N91-22018
Submillimeter astronomy from the Antarctic plateau
13 p2179 N91-22035

BELL TELEPHONE LABS., INC., MURRAY HILL, NJ.
Quantum Well Infrared Photodetectors (QWIP)
06 p0795 N91-14392

BELL TELEPHONE MFG. CO., ANTWERP (BELGIUM).
Internal communications for the control centres
14 p2212 N91-22219
Ground communications for the in-orbit infrastructure
14 p2223 N91-22296

BEN GURION UNIV. OF THE NEGEV, BEERSHEVA (ISRAEL).
Proceedings of Networks 90: 10th Polymer Networks Group Meeting and 10th IUPAC International Symposium on Polymer Networks
[AD-A225257] 03 p0345 N91-11930
Liquid-metal MHD power conversion for space electric systems
[SER-S/27] 15 p2390 N91-23231
Flows with strongly anisotropic turbulence-dynamic and heat transfer aspects
[SER-20/P] 15 p2420 N91-23407
Turbulence and the feasibility of self-cooled liquid-metal blankets for fusion reactors
[SER-10/P-REV] 15 p2510 N91-23910

BENTLEY COLL., BOSTON, MA.
HII regions in IC 1613: The ISM in a nearby dwarf irregular galaxy 05 p0746 N91-14157

BERKELEY APPLIED SCIENCE AND ENGINEERING, OAKLAND, CA.
Development of an advanced continuum theory for composite laminates, phase 1
[AD-A224985] 04 p0497 N91-12758

BERKELEY RESEARCH ASSOCIATES, INC., CA.
Development and application of numerical models for reactive flows
[AD-A228884] 08 p1143 N91-16295

BERKELEY RESEARCH ASSOCIATION, SPRINGFIELD, VA.
The effect of a Bump in the turbulence spectrum on laser propagation
[AD-A228723] 09 p1341 N91-17364

BERN UNIV. (SWITZERLAND).
Berne solar observations: Solar data for January - June 1990
[REPT-57] 03 p0449 N91-12507
Increased mitogenic response in lymphocytes from chronically centrifuged mice 11 p1752 N91-19634

BERTIN ET CIE., AIX-LES-MILLES (FRANCE).
Fiber optic magnetic field sensor using spectral modulation encoding
[ETN-91-98619] 10 p1527 N91-18407
Real time actuating of laser power and scanning velocity for thermal regulation during laser hardening
[ETN-91-99908] 23 p3878 N91-31636

BERTIN ET CIE., PLAISIR (FRANCE).
Time/frequency analysis of vibro-acoustic behaviour of a launcher in flight
[ETN-90-97584] 01 p0016 N91-10097
Preliminary studies before defining a payload adapted to the primate model
[ETN-90-97581] 01 p0018 N91-10107
A Knudsen layer theory for lattice gases
[ETN-90-97583] 01 p0042 N91-10248
PROTHE: A software as a help for the studies in industrial thermal engineering
[ETN-90-97582] 01 p0109 N91-10634
Modelling and control of flexible manipulators
[ETN-91-98398] 07 p1010 N91-15547
Preliminary study of a membrane bioreactor for cell culture in space 11 p1750 N91-19627
Preliminary studies before defining a payload adapted to the primate model 11 p1754 N91-19648

BETA POWER, INC., SALT LAKE CITY, UT.
Sodium/metal chloride program conceptual design study
[DE91-007216] 11 p1698 N91-19353
Conceptual design study of high-performance sodium/metal chloride batteries for electric vehicle applications
[DE91-009618] 15 p2417 N91-23383
BETTS (ALAN K.), MIDDLEBURY, VT.
Analysis of diurnal variation of SCu layer using 2 days of CLASS soundings on San Nicolas Island
01 p0083 N91-10490
Radiative control on tropical convective boundary layer equilibrium 01 p0083 N91-10493
BGB, INC., HUNTSVILLE, AL.
Spacelab-3 low-g accelerometer data from the fluid experiments system (FES) 03 p0430 N91-12410
BHABHA ATOMIC RESEARCH CENTRE, BOMBAY (INDIA).
Issues in developing parallel iterative algorithms for solving partial differential equations on a (transputer-based) distributed parallel computing system
[DE91-622927] 17 p2837 N91-25681
BHP LABS. LTD., LIMERICK (IRELAND).
Aluminium-lithium alloys: A review and assessment
03 p0332 N91-11857
BICHSEL (HANS), SEATTLE, WA.
Stopping power of fast charged particles in heavy elements
[PB91-194399] 22 p3753 N91-30918
BILKENT UNIV., ANKARA (TURKEY).
A decentralized controller for highly augmented aircraft 07 p1042 N91-15717
BIO-DYNAMICS RESEARCH AND DEVELOPMENT CORP., EUGENE, OR.
User acceptance of intelligent avionics: A study of automatic-aided target recognition
[NASA-CR-177583] 17 p2824 N91-25601
BIOKINETICS AND ASSOCIATES LTD., OTTAWA (ONTARIO).
Critique of a process proposed to determine CF aircrew/cockpit compatibility
[DCIEM-R88-7C] 22 p3720 N91-30705
BIONETICS CORP., COCOA BEACH, FL.
Geology, geohydrology, and soils of NASA, Kennedy Space Center: A review
[NASA-TM-103813] 01 p0073 N91-10442
Considerations for an exercise prescription
01 p0100 N91-10585
Investigating combustion as a method of processing inedible biomass produced in NASA's biomass production chamber
[NASA-TM-103821] 18 p3036 N91-26759
Use of inedible wheat residues from the KSC-CELSS breadboard facility for production of fungal cellulase
23 p3903 N91-31785
Biomass production and nitrogen dynamics in an integrated aquaculture/agriculture system
23 p3904 N91-31789
BIONETICS CORP., HAMPTON, VA.
Advanced-technology space station study: Summary of systems and pacing technologies
[NASA-CR-181795] 03 p0319 N91-11785
BIOSPHERICS RESEARCH CORP., HILLSBORO, OR.
Southern California air quality study. Part 1: Hydrocarbon collection and analyses; and part 2: Air toxics collection and analyses
[PB91-129353] 14 p2283 N91-22624
BIOTECHNOLOGY, INC., FALLS CHURCH, VA.
Human factors issues in aircraft maintenance and inspection: Information exchange and communications
[AD-A230270] 12 p1933 N91-20634
BIOTECHNOLOGY GENERAL, REHOVOT (ISRAEL).
CHAPS boosts the recovery of hydrophobic membrane proteins from various chromatography media
14 p2297 N91-22696
BIRMINGHAM UNIV. (ENGLAND).
An evaluation of the production processes and methods associated with Carello Cell at RISTS, Telford
[ETN-90-97578] 01 p0038 N91-10228
Passive microwave devices using high temperature superconductors 05 p0723 N91-14036
Ion and electron interactions at thermal and suprathermal energies
[AD-A230492] 12 p1976 N91-20872
BMW-A.G., MUNICH (GERMANY, F. R.).
Actively damped landing gear system
20 p3285 N91-28165
BODENKULTUR UNIV., VIENNA (AUSTRIA).
A computer vision system for the recognition of trees in aerial photographs 07 p1025 N91-15625
BODENSEEWERK GERAETETECHNIK G.M.B.H., UEBERLINGEN (GERMANY, F.R.).
Midcourse guidance technologies for advanced tactical missiles systems 05 p0619 N91-13436
Laminar/turbulent flow transition effects on high-speed missile domes 06 p0776 N91-14301
COMTESS: Combat Mission Training Evaluation and Simulation System 07 p1046 N91-15742
BOEING ADVANCED SYSTEMS CO., SEATTLE, WA.
Compendium of fractographic data for composite materials
[AD-A233400] 16 p2589 N91-24351
BOEING AEROSPACE AND ELECTRONICS CO., SEATTLE, WA.
X ray computed tomography of composites
[AD-A227227] 07 p0969 N91-15322
Migration and generation of contaminants from launch through recovery: LDEF case history
16 p2706 N91-24977
Atomic oxygen and ultraviolet radiation mission total exposures for LDEF experiments
16 p2713 N91-25016
Results of examination of silvered Teflon from the Long Duration Exposure Facility 16 p2716 N91-25032
Results of examination of the A-276 white and Z-306 black thermal control paint discs flown on LDEF
16 p2717 N91-25039
Condition of chromic acid anodized aluminum clamps flown 16 p2717 N91-25042
Survey of results from the Boeing modules on the M0003 experiment on LDEF 16 p2718 N91-25048
Results from analysis of Boeing composite specimens flown on LDEF experiment M0003
16 p2718 N91-25050
LDEF electronic systems: Successes, failures, and lessons 16 p2724 N91-25085
LDEF mechanical systems 16 p2724 N91-25086
On-orbit coldwelding 16 p2724 N91-25087
X ray tomographic inspection of printed wiring assemblies and electrical components
[AD-A234748] 18 p2996 N91-26548
Generic linear microcircuit test requirements
[AD-A236421] 19 p3159 N91-27463
Conceptual designs study for a Personnel Launch System (PLS)
[NASA-CR-185647] 22 p3628 N91-30187
Advanced thermoplastic resins, phase 2
[NASA-CR-187548] 24 p3979 N91-32231
BOEING AEROSPACE CO., COCOA BEACH, FL.
Launch pad lightning protection effectiveness
24 p4051 N91-32627
BOEING AEROSPACE CO., HUNTSVILLE, AL.
Space transfer concepts and analysis for exploration missions
[NASA-CR-183943] 06 p0788 N91-14358
Piloted rover technology study
[NASA-CR-186989] 15 p2385 N91-23200
Costs and benefits of lunar oxygen: Engineering, operations, and economics 17 p2906 N91-26051
Space transfer concepts and analysis for exploration missions
[NASA-CR-184178] 22 p3626 N91-30175
BOEING AEROSPACE CO., SEATTLE, WA.
Space station structural performance experiment
03 p0433 N91-12424
Integrated control-structure design
[NASA-CR-182020] 07 p0945 N91-15180
Solar dynamic heat receiver technology
[NASA-CR-187040] 07 p0962 N91-15297
Boeing infrared sensor (BIRS) calibration facility
11 p1659 N91-19138
Progress in GaAs/CuInSe2 tandem junction solar cells
11 p1667 N91-19190
An approach for configuring space photovoltaic tandem arrays based on cell layer performance
11 p1669 N91-19197
Radioisotope thermal photovoltaic application of the GaSb solar cell 11 p1671 N91-19210
Use of magnetic sails for advanced exploration missions 14 p2201 N91-22153
Design optimization of gas generator hybrid propulsion boosters 16 p2572 N91-24252
STV engine design considerations
20 p3300 N91-28255
GaAs (AlGaAs)/CuInSe2 tandem solar cells. Technology status and future directions
22 p3633 N91-30217
BOEING CANADA, TORONTO (ONTARIO).
Analysis by the statistical discrete gust method
18 p2928 N91-26156
Ice tolerant engine inlet screens for CH113/113A search and rescue helicopters 23 p3792 N91-31149
Segmented rotatable nozzles
[CA-PATENT-APPL-SN-2-009-634]
23 p3796 N91-31174
Segmented vectoring cruise nozzles
[CA-PATENT-APPL-SN-2-009-635]
23 p3796 N91-31175
Ventral segmented nozzles
[CA-PATENT-APPL-SN-2-009-636]
23 p3796 N91-31176
BOEING CO., SEATTLE, WA.
Integrated technology development laboratories
07 p1046 N91-15743
Personnel launch system autoland development study
[NASA-CR-187495] 10 p1473 N91-18116
Burst annealing of high temperature GaAs solar cells
11 p1668 N91-19196
Software: Where we are and what is required in the future 14 p2304 N91-22729
Advanced development receiver thermal vacuum tests with cold wall
[NASA-CR-187092] 16 p2566 N91-24227
Ignition characteristics of the nickel-based alloy UNS N07001 in pressurized oxygen
[NASA-CR-188223] 17 p2755 N91-25250
Systems integration and demonstration of advanced reusable structure for ALS
[NASA-CR-187509] 19 p3110 N91-27179
The effects of electron and proton radiation on GaSb infrared solar cells 22 p3638 N91-30244
Removable slider shoe for a translating sleeve used on a jet engine cowl and duct
[PATENT-1-247-868] 23 p3797 N91-31177
An example of requirements for Advanced Subsonic Civil Transport (ASCT) flight control system using structured techniques
[NASA-CR-187526] 24 p3960 N91-32132
BOEING CO., WASHINGTON, DC.
LDEF contaminants analysis data
16 p2707 N91-24978
BOEING COMMERCIAL AIRPLANE CO., SEATTLE, WA.
Boeing flight deck design philosophy
02 p0162 N91-10937
Use of 4-D RNAV in time-based en route arrival metering 02 p0175 N91-10997
Civil tiltrotor missions and applications
[NASA-CR-177452] 05 p0617 N91-13424
Life-critical digital flight control systems
09 p1376 N91-17561
Aircraft Command in Emergency Situations (ACES). Phase 1: Concept development
[DOT/FAA/CT-90/21] 15 p2367 N91-23097
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 1: Theory document
[NASA-CR-181924-VOL-1] 16 p2548 N91-24118
Developing and utilizing an Euler computational method for predicting the airframe/propulsion effects for an aft-mounted turboprop transport. Volume 2: User guide
[NASA-CR-181924-VOL-2] 16 p2548 N91-24119
A general multiblock Euler code for propulsion integration. Volume 1: Theory document
[NASA-CR-187484-VOL-1] 16 p2548 N91-24120
A general multiblock Euler code for propulsion integration. Volume 2: User guide for BCON, pre-processor for grid generation and GMBE
[NASA-CR-187484-VOL-2] 16 p2548 N91-24121
A general multiblock Euler code for propulsion integration. Volume 3: User guide for the Euler code
[NASA-CR-187484-VOL-3] 16 p2548 N91-24122
Variable Sweep Transition Flight Experiment (VSTFE): Unified Stability System (USS). Description and users' manual
[NASA-CR-181918] 16 p2551 N91-24139
Environmental exposure effects on composite materials for commercial aircraft
[NASA-CR-187478] 16 p2591 N91-24358
Civil tiltrotor missions and applications. Phase 2: The commercial passenger market
[NASA-CR-177576] 18 p2923 N91-26126
Communications needs of the future air-ground interface 24 p3959 N91-32125
BOEING COMPUTER SERVICES CO., HUNTSVILLE, AL.
Architecture for spacecraft operations planning
12 p1940 N91-20674
A knowledge-based approach to configuration layout, justification, and documentation
12 p1943 N91-20690
BOEING COMPUTER SERVICES CO., SEATTLE, WA.
Knowledge repositories for multiple uses
14 p2317 N91-22797
Electronic design process
[AD-A234709] 18 p3041 N91-26786
BOEING HELICOPTER CO., PHILADELPHIA, PA.
V-22 operational capabilities 10 p1467 N91-18092
Aircraft quality high temperature vacuum carburizing
[AD-A229980] 12 p1869 N91-20271
Technology needs for high-speed rotorcraft, volume 1
[NASA-CR-177585] 18 p2925 N91-26139

BOEING MILITARY AIRPLANE DEVELOPMENT, SEATTLE, WA.
3-D imagery cockpit display development
[AD-A226411] 04 p0481 N91-12680
Advanced embedded processing: Present and future 09 p1376 N91-17562
Formal proof of the AVM-1 microprocessor using the concept of generic interpreters
[NASA-CR-187491] 11 p1779 N91-19756
Intelligent real-time knowledge based inflight mission management 17 p2732 N91-25128
Structured representation for requirements and specifications
[NASA-CR-187522] 18 p3043 N91-26797
Toward a formal verification of a floating-point coprocessor and its composition with a central processing unit
[NASA-CR-187547] 20 p3389 N91-28777

BOEING MILITARY AIRPLANE DEVELOPMENT, WICHITA, KS.
Ada compiler evaluation capability: Version description document, release 2.0
[AD-A236684] 19 p3230 N91-27856

BOISE STATE UNIV., IDAHO.
Distributed Training Technology Cost Analysis Templates (TTCATS): User's manual
[AD-A235893] 19 p3225 N91-27826

BONGAERTS, KUYPER AND HUISWAARD, CONSULTING ENGINEERS, THE HAGUE (NETHERLANDS).
Detection of submarine springs by thermal infrared imaging
[BCRS-90-11] 10 p1538 N91-18464

BONN UNIV. (GERMANY, F.R.).
Spectroscopy with thermionic diode and synchroton radiation. Examination of application possibilities
[BONN-IR-90-21] 03 p0339 N91-11898
Utilization of geodetic measuring techniques, using the electron-stretcher-accelerator (ELSA) of Bonn University (Feb. Republic of Germany)
[BONN-IR-90-23] 03 p0385 N91-12146
Sudden sodium layers in polar latitudes, between 90 and 110 km altitude
[BONN-IR-90-03] 03 p0390 N91-12174
The Cabannes-lidar for the examination of the stratosphere: The beam path of the receiving branch
[BONN-IR-90-20] 03 p0391 N91-12175
Classical and quantum mechanical aspects of the nonlinear dynamics of periodically driven systems
[BONN-IR-90-14] 03 p0426 N91-12384
Molecules in an infrared cirrus cloud 06 p0900 N91-14977
Application of multifrequency and multipolarization SAR systems in remote sensing for agriculture 07 p0991 N91-15438
The stationary exterior three dimensional Navier-Stokes problem of viscous flow past a body in anisotropically weighted Sobolev spaces
[REPT-110] 08 p1147 N91-16314
The Cabannes-lidar for the examination of the stratosphere: Selected design elements for the experimental construction
[BONN-IR-90-39] 08 p1180 N91-16493
Design and testing of a proton detector
[BONN-IR-90-34] 08 p1221 N91-16729
Testing of lead glass detectors for electron proof in the ELAN experiment
[BONN-IR-90-38] 08 p1222 N91-16730
A Moller polarimeter for the extracted ELSA-ray
[BONN-IR-90-42] 08 p1222 N91-16731
Graviperception in plants 11 p1757 N91-19667
Gravitational effects on subcellular structures of plant cells 11 p1758 N91-19669
Directional solidification of the LiF-LiBaF3 eutectic system 14 p2334 N91-22901
Iron density measurements in polar atmosphere
[BONN-IR-90-53] 15 p2464 N91-23654
The surface of near-Earth asteroids 17 p2904 N91-26040

BONNEVILLE POWER ADMINISTRATION, PORTLAND, OR.
Delivery and application of precise timing for a traveling wave powerline fault locator system 17 p2855 N91-25787

BOOZ-ALLEN AND HAMILTON, INC., BETHESDA, MD.
Multiprotocol gateway capabilities demonstration report
[AD-A230399] 12 p1883 N91-20352

BOOZ-ALLEN AND HAMILTON, INC., RESTON, VA.
NASA-Space Station Program 14 p2340 N91-22939

BOSTON COLL., CHESTNUT HILL, MA.
Theory of the electronic and optical properties of semiconductor heterostructures
[AD-A231438] 13 p2163 N91-21929
Automating hypertext for decision support 13 p2166 N91-21951
Energy transfer processes between Tm(3+) and Ho(3+) in LiYF4
[NASA-CR-187578] 19 p3171 N91-27530

BOSTON UNIV., MA.
Attenuation of elastic waves due to scattering from spherical cavities and elastic inclusions 02 p0225 N91-11256
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A225045] 03 p0390 N91-12172
The luminosity scale of RR Lyrae stars using the Baade-Wesselink method 03 p0434 N91-12429
Analysis of deep underground multiple muons and the cosmic ray composition above 10 TeV/nucleus 03 p0449 N91-12509
Sensor based control of robotic mechanisms
[AD-A226784] 06 p0864 N91-14776
Research accomplishments and future goals in particle physics
[DE91-005350] 10 p1591 N91-18774
Research accomplishments and future goals in particle physics
[DE91-007547] 10 p1594 N91-18793
Atomic beam studies of the interaction of hydrogen with transition metal surfaces
[DE91-007938] 11 p1794 N91-19841
Wave particle interactions in the inner magnetosphere
[AD-A230493] 12 p1923 N91-20581
Modelling and observations of the equatorial ionosphere
[AD-A230631] 12 p1923 N91-20583
Photoassisted reaction of H2 with CO2 over solid catalysts
[AD-A231045] 13 p2050 N91-21282
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A231373] 13 p2118 N91-21658
The day-to-day variability of total content, peak density and slab thickness, and the ionospheric response to geomagnetic storms
[AD-A233294] 16 p2658 N91-24706
Scintillation materials for medical applications
[DE91-011022] 17 p2823 N91-25598
Study of intermediates from transition metal excited-state electron-transfer reactions
[DE91-012182] 18 p2958 N91-26324
The effects of magnetic storm phases on F-layer irregularities from auroral to equatorial latitudes
[AD-A235170] 18 p3012 N91-26632
Mathematical problems concerning rhythmic processes
[AD-A234588] 18 p3051 N91-26845
General relativistic continuum mechanics and the post-Newtonian equations of motion 18 p3074 N91-26987
Photoinduced electron transfer in ordered polymers
[DE91-014512] 20 p3330 N91-28440
Magnetospheric structure and dynamics: A multisatellite approach
[AD-A237674] 21 p3541 N91-29676
The dynamics of F-layer irregularities relative to space, time, and frequency diversity 22 p3658 N91-30363
The nonlinear control theory of complex mechanical systems
[AD-A229474] 22 p3683 N91-30509

BOULDER CENTER FOR SCIENCE AND POLICY, CO.
Atmospheric water on Mars, energy estimates for extraction 17 p2912 N91-26075

BOWIE STATE UNIV., MD.
Data system interprobability 17 p2884 N91-25941
Automated assembly in space 19 p3273 N91-28106

BOWLING GREEN STATE UNIV., OH.
Photoinduced charge separation by polymer-bound chromophores
[DE90-010997] 08 p1117 N91-16140

BRADFORD UNIV. (ENGLAND).
Separated flow on a high lift wing: A study of the turbulent characteristics of the separated flow region on a high lift wing under normal and wing body conditions by means of a flying hot-wire technique 04 p0470 N91-12632
Long-distance sound propagation over discontinuous impedances 08 p1215 N91-16688

BRANDEIS UNIV., WALTHAM, MA.
Maximum entropy imaging of radio astrophysical data 02 p0287 N91-11610
Synthesis and properties of novel organometallic polymers
[DE91-001978] 06 p0813 N91-14491
Carbon and hydrogen metabolism of green algae in light and dark
[DE91-006542] 10 p1559 N91-18570
Mechanisms of motion perception: Integration of direction, velocity, and space
[AD-A233340] 16 p2664 N91-24737
The chemical modification of plasmas
[AD-A234448] 18 p3066 N91-26940
Encouraging the pursuit of advanced degrees in science and engineering: Top-down and bottom-up methodologies 19 p3271 N91-28095
Research in elementary particle physics
[DE91-015359] 21 p3577 N91-29892

BREWER SCIENCE, INC., ROLLA, MO.
Development of miniature temperature sensors
[AD-A232964] 16 p2630 N91-24560

BRIGHAM YOUNG UNIV., PROVO, UT.
Investigation of condensed matter fusion
[DE91-007246] 11 p1807 N91-19923
Dependence of the log K values for the interaction of chiral dimethylpyridino-18-crown-6 with alpha-(1-naphthylethyl) ammonium perchlorate on several solvent parameters
[AD-A236088] 19 p3126 N91-27270
Deactivation by carbon of iron catalysts for indirect liquefaction
[DE91-011276] 21 p3477 N91-29285

BRISTOL UNIV. (ENGLAND).
Nonlinear analysis and testing of adhesive joints under impact and quasi-static loading 03 p0376 N91-12103
Use of satellite remote sensing of cloud and rainfall for selected operational applications in the fields of applied hydrology and food production 03 p0383 N91-12135
The forward mounted spoiler as a source of buffet excitation 06 p0781 N91-14332
Heteronuclear metal cluster compounds synthesis and reactivity
[AD-A226815] 06 p0808 N91-14463
The effect of body shape on the development of vortex asymmetry in the flow past slender bodies
[BU-413] 11 p1644 N91-19068
Uncertainty reasoning applied to the assessment of composite material for structural design
[BU-405] 11 p1677 N91-19244
An expert system for laminated plate design using composite materials
[BU-406] 11 p1677 N91-19245
Minimum weight optimization of composite laminated struts
[BU-409] 11 p1677 N91-19246
A knowledge based expert system for laminated composite strut design
[BU-410] 11 p1678 N91-19247
Parallel processing for panel methods
[BU-414] 11 p1705 N91-19391
Dynamic behavior of pneumatic tyres
[BU-412] 11 p1717 N91-19453
A theoretical solution for the buckling of sandwich panels with laminated face plates using a computer algebra system
[BU-407] 11 p1723 N91-19486
Computational comparison of efficacies of aeolian vibration damping devices for multiconductor overhead power lines
[BU-411] 11 p1723 N91-19487
Bolted joints in a laminated composite strut design expert system
[BU-415] 11 p1723 N91-19488
A non-linear method for the calculation of the power output of a rotating wind turbine
[BU-416] 11 p1728 N91-19512
Effect of planform on induced drag
[BU-500] 14 p2188 N91-22086
A leading-edge control surface
[BU-508] 14 p2188 N91-22087
Flow around a store-pylon combination in a curved flow field
[BU-514] 14 p2189 N91-22088
An investigation into the extent and effects of spanwise flow in the boundary layer of a helicopter rotor in hover
[BU-519] 14 p2189 N91-22089
The preliminary aerodynamic design of light aircraft
[BU-504] 14 p2194 N91-22119
A quantitative investigation into the aerodynamic coupling effects in a coaxial contra-rotating rotor system
[BU-517] 14 p2194 N91-22120
Signal blending in control systems structural interactions
[BU-505] 14 p2197 N91-22132
Flutter suppression of an aircraft wing using a control surface
[BU-506] 14 p2197 N91-22133
Assessment of high pressure and variable pressure actuation systems by mathematical modelling
[BU-521] 14 p2197 N91-22134
Recovery and reuse of a rocket launcher
[BU-518] 14 p2207 N91-22187

Space tug: An oroital transfer vehicle
[BU-513] 14 p2207 N91-22188
The space station as a transport node
[BU-510] 14 p2234 N91-22361
Yacht mast design: Using carbon composites
[BU-507] 14 p2241 N91-22398
The flexural strength of unidirectional carbon fibre composites
[BU-509] 14 p2241 N91-22399
Manufacture test analysis of the thermoplastic composites
[BU-515] 14 p2241 N91-22400
An investigation into the shear strength of ice
[BU-501] 14 p2264 N91-22526
An experimental investigation into fin/bulb keels for the Port Pendennis America's Cup Challenge
[BU-511] 14 p2264 N91-22527
Flow investigation of a ground effect vehicle
[BU-516] 14 p2264 N91-22528
The use of axisymmetric flow for investigation of shock wave-boundary layer interactions
[BU-520] 14 p2265 N91-22529
Design of buildings to cause high wind for local leisure activity
[BU-503] 14 p2290 N91-22668
Military air crew helmet design study
[BU-502] 14 p2300 N91-22713
A knowledge engineering approach to risk analysis in the HOTOL project
[BU-512] 14 p2318 N91-22802

BRITISH AEROSPACE AIRCRAFT GROUP, BRISTOL (ENGLAND).
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840

BRITISH AEROSPACE AIRCRAFT GROUP, WOODFORD (ENGLAND).
The powerplant options for a future large aircraft
10 p1465 N91-18080
FIMA and EUROFLAG: Progress in meeting military airlift and FLA requirements for the 21st century
10 p1467 N91-18091

BRITISH AEROSPACE COMMERCIAL AIRCRAFT, HATFIELD (ENGLAND).
Next generation of regional aircraft
03 p0306 N91-11710

BRITISH AEROSPACE DYNAMICS GROUP, BRISTOL (ENGLAND).
Slip coefficients for shear joints: The effects of dynamic loading and surface treatment 03 p0328 N91-11829

BRITISH AEROSPACE PUBLIC LTD. CO., BRISTOL (ENGLAND).
NUFA: A semi-empirical method for the prediction of isolated weapon aerodynamics
06 p0773 N91-14287
Great Britain in space 07 p0947 N91-15194
EEG indicators of mental workload: Conceptual and practical issues in the development of a measurement tool 08 p1193 N91-16559
The effects of dazzle and dazzle generated afterimages on aiming and tracking performance
17 p2825 N91-25609
The Sowerby Research Centre and university liaison
23 p3894 N91-31730

BRITISH AEROSPACE PUBLIC LTD. CO., HATFIELD (ENGLAND).
Determining technology objectives
04 p0462 N91-12583

BRITISH AEROSPACE PUBLIC LTD. CO., KINGSTON-UPON-THAMES (ENGLAND).
The special requirements of a VSTOL aircraft
20 p3283 N91-28155

BRITISH AEROSPACE PUBLIC LTD. CO., PRESTON (ENGLAND).
The development of alternate criteria for FBW handling qualities 15 p2370 N91-23113
A review of high angle of attack requirements for combat aircraft 15 p2373 N91-23130
Development methodologies for knowledge based systems: A comparative review
[BAE-WIT-RP-GEN-SWE-1996]
22 p3741 N91-30845
BAe University Round Table on Gravitational Research
[BAE-FBS-007] 23 p3894 N91-31729
BAe overview of current gravitational physics research
23 p3894 N91-31731
A reminder of Faraday's gravitational experiments
23 p3894 N91-31735
Heaviside's linearised gravitational theory
23 p3895 N91-31737

BRITISH AEROSPACE PUBLIC LTD. CO., STEVENAGE (ENGLAND).
Filament winding of satellite structures
03 p0331 N91-11851
Cost optimisation of load carrying structures
03 p0334 N91-11870
Thermal vacuum testing of the Olympus PFM spacecraft 07 p0953 N91-15239
An RF anechoic load assembly for use during spacecraft solar simulation testing 07 p0960 N91-15286

BRITISH AEROSPACE PUBLIC LTD. CO., WOODFORD (ENGLAND).
The certification of the avionic systems on the ATP to JAR 25 03 p0307 N91-11715

BRITISH BROADCASTING CORP., KINGSWOOD (ENGLAND).
Digital audio editing: The development of a random access editor
[BBC-RD-1990/5] 02 p0204 N91-11142
A practical study of a vibration isolated room
[BBC-RD-1990/8] 07 p0946 N91-15187
NICAM 728: Digital two-channel sound for terrestrial television
[BBC-RD-1990/6] 07 p0995 N91-15460
The design and application of modular, acoustic diffusing elements
[BBC-RD-1990/15] 07 p1062 N91-15844
Satellite broadcasting: A common-frequency approach to wideband HDTV with a hand-made example plan
[BBC-RD-1990/7] 08 p1126 N91-16189
NICAM 728: Factors affecting the assessment of UHF transmitter linearity
[BBC-RD-1990/9] 08 p1126 N91-16190
The computer simulation of digital recording systems
[BBC-RD-1990/14] 08 p1200 N91-16595
A review of the airborne sound insulation requirements for broadcasting studios and ancillary areas
[BBC-RD-1990/10] 08 p1214 N91-16680
Proving experiments on an acoustic transmission suite and its reverberation room
[BBC-RD-1990/13] 08 p1214 N91-16681
Digital sound: Subjective tests on low bit-rate codecs
[BBC-RD-1990/16] 10 p1515 N91-18339
Real-time motion measurement hardware: Phase correlation unit
[BBC-RD-1990/11] 10 p1527 N91-18408
The provision of circuits to outside broadcast locations using spectrum within the UHF broadcasting bands
[BBC-RD-1990/12] 11 p1694 N91-19329
A study of sound balances for the hard of hearing
[BBC-RD-1991/3] 17 p2766 N91-25310
Digital audio broadcasting: The first UK field trial
[BBC-RD-1991/2] 17 p2766 N91-25311
Interference protection requirements for terrestrial microwave links in the UK private-user frequency bands
[BBC-RD-1991/1] 17 p2766 N91-25312

BRITISH BROADCASTING CORP., LONDON (ENGLAND).
The BBC network radio time and frequency standard and its role in the provision of the Greenwich time signal
17 p2856 N91-25792

BRITISH COLUMBIA UNIV., VANCOUVER.
Capture and transfer of pions in hydrogenous materials
[DE90-017756] 02 p0268 N91-11505
An intense optically pumped H(-) ion source
[DE91-002949] 06 p0873 N91-14827
Observational properties of compact groups of galaxies 08 p1248 N91-16871
Psychological analyses of courageous performance in military personnel
[AD-A231774] 14 p2299 N91-22708
Measurements of angular distributions of absolute cross sections and analyzing powers of the reaction bar-p p yields d(pi+) between 1.3 and 2.4 GeV
[DE91-012638] 20 p3400 N91-28842

BRITISH MUSEUM OF NATURAL HISTORY, LONDON (ENGLAND).
Atomic environments in iron meteorites using EXAFS
06 p0908 N91-15011

BRITISH PETROLEUM CO. LTD., LONDON (ENGLAND).
Method for manufacturing composite material
[EP-PATENT-0-314-353-A2] 06 p0801 N91-14421
Surface treatment of metals
[EP-PATENT-0-367-504-A2] 06 p0807 N91-14453
Remote sensing system
[EP-PATENT-0-324-583-A2] 07 p1022 N91-15611
Method for monitoring acoustic emissions
[EP-PATENT-0-317-322-A2] 07 p1062 N91-15841
Production of high surface area carbon fibres
[EP-PATENT-0-312-395-A2] 09 p1301 N91-17142
Field effect transistors
[EP-PATENT-0-298-628-A2] 09 p1325 N91-17278

BRITISH PETROLEUM CO. LTD., SUNBURY-ON-THAMES (ENGLAND).
Metallurgical design of novel metal matrix composites for aerospace applications
[ETN-91-98573] 08 p1107 N91-16077

BROOKHAVEN NATIONAL LAB., UPTON, NY.
XAFS studies of interactions at transition-metal/Al interfaces
[DE90-016313] 01 p0027 N91-10159
Global and regional environmental atmospheric chemistry
[DE90-016693] 01 p0067 N91-10407
Muon SR and high T(sub c) superconductivity
[DE90-015089] 01 p0128 N91-10760
Determination of hydrogen (deuterium) density profiles in thin metal films and multilayers by neutron reflection
[DE90-007150] 02 p0196 N91-11108
Empirical proton-neutron interaction energies and nuclear structure
[DE90-017632] 02 p0268 N91-11500
Assessment of the applicability of Raman spectroscopy to the detection of chemical agents
[DE90-017198] 04 p0502 N91-12785
Universal scaling function for FEL gain
[DE91-001124] 04 p0529 N91-12937
Proposed UV-FEL user facility at BNL
[DE91-001131] 04 p0530 N91-12938
Conclusions and recommendations of the June, 1990 BNL workshop
[DE91-001112] 04 p0545 N91-13025
Forecasting catastrophe by exploiting chaotic dynamics
[DE91-001118] 04 p0573 N91-13185
Parallel multilevel preconditioners
[DE91-001121] 04 p0573 N91-13186
High pressure effects on the properties and reactions of excess electrons in hydrocarbons
[DE91-000578] 04 p0581 N91-13239
Overview of high energy physics with polarized particles
[DE91-001119] 04 p0582 N91-13247
In search of the elusive true surface
[DE91-001110] 04 p0583 N91-13253
Some aspects of the theory of high temperature superconductors
[DE91-000903] 04 p0591 N91-13304
Degradation modeling with application to aging and maintenance effectiveness evaluations
[DE91-004004] 05 p0674 N91-13746
A preliminary ocean ARM (Atmospheric Radiation Measurements) guide for climatic evaluations
[DE91-001120] 05 p0685 N91-13811
Methods of analysis for complex organic aerosol mixtures from urban emission sources of particulate carbon
[DE91-001722] 05 p0686 N91-13814
Calcified-tissue investigations using synchrotron x ray microscopy
[DE91-001729] 05 p0693 N91-13859
A computer model to determine the primary contributors to relative radiation dose received by astronauts
[DE90-015681] 05 p0694 N91-13866
A cable vehicle barrier for alert aircraft protection
[DE91-001723] 06 p0787 N91-14354
Phase portrait methods for verifying fluid dynamic simulations
[DE91-001129] 06 p0827 N91-14571
Overview of the US Department of Energy's ARM (Atmospheric Radiation Measurement) program
[DE91-001126] 06 p0847 N91-14678
Nucleus-nucleus collisions at very high energies
[DE91-004003] 06 p0870 N91-14811
Data requirements for intermediate energy nuclear applications
[DE91-004005] 06 p0871 N91-14812
Scattering by anisotropic grains in beryllium mirrors
[DE91-001724] 06 p0873 N91-14826
Irreversibility temperatures in oxide- and metallic superconductors
[DE91-004021] 06 p0880 N91-14861
Global climate feedbacks: Proceedings of the Brookhaven National Laboratory Workshop
[DE91-004803] 07 p1027 N91-15640
Solving global environmental problems through technological innovation
[DE90-010018] 08 p1171 N91-16446
Biomass and hydrocarb technology for removal of atmospheric CO2
[DE90-010016] 08 p1172 N91-16453
Gallium as a unique anti-resorptive agent in bone: Preclinical studies on its mechanisms of action
[DE90-010650] 08 p1190 N91-16542
AGS silicon gold collisions measured in the E-810 TPC (Time Projection Chamber)
[DE90-010015] 08 p1222 N91-16733
V(sup 0) production with 14.5 GeV/c silicon beams
[DE90-010014] 08 p1225 N91-16747
Infrared response of YBa2Cu3O(7-delta) films to pulsed, broadband synchrotron radiation
[DE90-011519] 08 p1234 N91-16800
Microstructures and dc critical currents in textured Y-Ba-Cu-oxides
[DE91-000895] 08 p1234 N91-16803
Observations of vortex structure in YBa2Cu3O7
[DE91-000900] 08 p1234 N91-16804

Radiation damage testing of transistors for SSC front-end electronics
[DE91-005440] 09 p1328 N91-17294
Counter-current flow limited CHF in thin rectangular channels
[DE91-004755] 09 p1337 N91-17345
Advanced human-system interface design review guidelines
[DE91-005439] 09 p1373 N91-17544
A study of electro-optical modulators for transfer of detector signals by optical fibers
[DE91-006349] 09 p1399 N91-17701
Conversion of biomass to methanol and its effect on CO2 emissions
[DE91-006303] 10 p1544 N91-18500
The complementarity of x rays and neutrons
[DE91-005544] 10 p1590 N91-18764
X ray absorption spectroscopy of oxide films on metals
[DE91-008100] 11 p1684 N91-19278
Spatial and temporal relationships between localized microbial metabolic activity and electrochemical activity of steel
[DE91-008102] 11 p1684 N91-19279
A study of carbon steel corrosion inhibition by phosphate ions and by an organic buffer using a scanning vibrating electrode
[DE91-008103] 11 p1684 N91-19280
XANES investigation of pH effects during cerium-sealing of anodized aluminum
[DE91-008101] 11 p1688 N91-19302
Radiation damage studies on hybrid preamplifiers
[DE91-008411] 11 p1699 N91-19359
Monolithic radiation hard charge sensitive preamplifier using junction field effect transistors
[DE91-008437] 11 p1699 N91-19360
Neutron radiation damage studies on silicon detectors
[DE91-008441] 11 p1699 N91-19361
Proceedings of the Workshop Prospects for a 1 Angstrom Free-Electron Laser
[DE91-007631] 11 p1711 N91-19422
Summary of the working group on transverse emissions from photocathodes
[DE91-008414] 11 p1712 N91-19432
Analysis of high frequency surface-induced concentration fluctuations
[DE91-007561] 11 p1734 N91-19538
The NAPAP assessment of damages to materials from acid deposition
[DE91-008086] 11 p1735 N91-19542
Multiple energy computed tomography for neuroradiology with monochromatic x rays from the national synchrotron light source
[DE91-008108] 11 p1765 N91-19712
Intense field non-resonant multiphoton absorption of diatomic molecules
[DE91-006920] 11 p1793 N91-19835
Summary of discussions at the HIGH p (sub T) session
[DE91-008196] 11 p1795 N91-19848
Photoemission studies using femtosecond pulses for high brightness electron beams
[DE91-008436] 11 p1795 N91-19849
Development of high current electron source using photoemission from metals with ultrashort laser pulses
[DE91-008438] 11 p1795 N91-19850
W(sub L)W(sub L) scattering at the SSC
[DE91-008442] 11 p1796 N91-19851
The specification of glancing incidence mirrors in terms of system performance
[DE91-007556] 11 p1799 N91-19873
The specification of glancing incidence mirrors in terms of system performance
[DE91-007564] 11 p1799 N91-19874
The characterization of interface roughness and other defects in multilayers by x ray scattering
[DE91-007558] 11 p1808 N91-19929
Imaging performance and tests of soft x ray telescopes
[DE91-007557] 12 p2000 N91-21010
Fast quasi-explicit finite difference simulation of electrochemical responses initiated by a discontinuous perturbation
[DE91-006917] 13 p2049 N91-21271
XANES (X ray Absorption Near Edge Structure) investigation of cerium as an inhibitor for Al alloys
[DE91-005542] 13 p2052 N91-21293
A study of the inhibition of pitting of aluminum by chromate
[DE91-006915] 13 p2052 N91-21294
In-situ x ray measurements of pit solutions during localized corrosion
[DE91-006916] 13 p2053 N91-21295
The use of a scanning electrochemicl impedance spectroscopy technique to investigate localized corrosion
[DE91-006918] 13 p2053 N91-21296
Amplification of femtosecond pulses using a N2 pump laser
[DE91-008413] 13 p2092 N91-21513
High current photoemission with 10 picosecond UV pulses
[DE91-009439] 13 p2092 N91-21515
VM-CMS tutorial
[DE91-009444] 13 p2130 N91-21725
Performance characteristics of Mach-Zehnder modulators for transfer of detector signals by optical fibers
[DE91-008439] 13 p2154 N91-21873
Magnetic field induced broadening of the resistive transition in epitaxial films of YBa2Cu3O7 and Y2Ba4Cu8O16
[DE91-009825] 13 p2161 N91-21916
Ultra high temperature particle bed reactor design
14 p2199 N91-22144
The Liquid Annular Reactor System (LARS) propulsion
14 p2199 N91-22145
Emittance correction of photocathode gun
[DE91-010364] 14 p2260 N91-22506
The grating as an accelerating structure
[DE91-010297] 14 p2326 N91-22851
Spatial dynamics of picosecond CO2 laser pulses produced by optical switching in Ge
[DE91-010368] 15 p2433 N91-23476
Tropospheric sampling with aircraft
[DE91-009472] 15 p2459 N91-23626
Lectures on accelerator physics
[DE91-010376] 15 p2506 N91-23886
Theory of the critical current density in YBa2Cu3O7 ceramics
[DE91-009443] 15 p2515 N91-23940
Ocean survey of inorganic carbon
[DE91-011130] 17 p2816 N91-25565
The Liquid Annular Reactor System (LARS) propulsion
[DE91-010972] 17 p2863 N91-25832
Textured growth processing of HTSC in the Y-Ba-Cu-O
[DE91-010367] 17 p2871 N91-25879
Slow positron studies of hydrogen activation/passivation on SiO2/Si(100) interfaces
[DE91-010974] 17 p2871 N91-25882
An assessment of CO2 greenhouse gas mitigation technologies
[DE91-011972] 18 p3007 N91-26605
Relationships between PAN and ozone at sites in eastern North America
[DE91-011728] 18 p3007 N91-26607
Free-air carbon dioxide enrichment: A new approach to research on carbon exchange processes
[DE91-012074] 18 p3008 N91-26609
The impact of atmospheric damage to materials on consumers: News you can use
[DE91-012075] 18 p3008 N91-26610
Inorganic carbon surveys of oceanic basins
[DE91-011132] 18 p3019 N91-26667
SEEP 2 zooplankton data report: Winter, spring and summer collections at mooring 3 during 1988
[DE91-012077] 18 p3019 N91-26668
Photons and neutrons
[DE91-010980] 18 p3061 N91-26906
Thermoluminescence kinetics of pyrite (FeS2)
[DE91-011710] 18 p3074 N91-26990
The solubility and dissociation kinetics of hydroxymethyl hydroperoxide in aqueous solution
[DE91-013336] 20 p3309 N91-28318
Brittle behavior of SSC yokes
[DE91-014031] 20 p3318 N91-28370
Thyristor converter simulation and analysis
[DE91-013802] 20 p3339 N91-28494
Perturbation treatment of the longitudinal coupling impedance of a toroidal beam tube
[DE91-013884] 20 p3339 N91-28495
Beam emittance and the effects of the rf, space charge and wake fields: Application to the ATF photoelectron beam
[DE91-014789] 20 p3352 N91-28569
Prediction of high level vibration test results by use of available inelastic analysis techniques
[DE91-009437] 20 p3359 N91-28606
Geothermal materials development
[DE91-013972] 20 p3368 N91-28660
The effect of strong Coulomb correlations on electron-phonon interactions in the copper oxides: Implications for transport
[DE91-013333] 20 p3402 N91-28854
Chaos in the lowest Landau level
[DE91-014800] 20 p3403 N91-28866
Beam current monitoring in the AGS booster and its transfer lines
[DE91-013328] 20 p3404 N91-28870
Space charge and wake field analysis for a high brightness electron source
[DE91-014788] 20 p3405 N91-28874
Magnetization and critical currents of tin-core multifilamentary Nb3Sn conductors
[DE91-012241] 20 p3424 N91-28994
Neutron scattering studies of spin correlations in metallic YBa2Cu3O(6+x)
[DE91-013794] 20 p3431 N91-29031
The DARPA compact superconducting x-ray lithography source features
[DE91-013864] 20 p3432 N91-29039
Light weight space power reactors for nuclear electric propulsion
[DE91-014803] 21 p3468 N91-29232
First principles simulations of metallic alloys and liquids
[DE91-015171] 21 p3483 N91-29323
Methods for determination of low-molecular weight carbonyl compounds in the ambient atmosphere
[DE91-015188] 21 p3538 N91-29656
An observational study of the efficiency of activation of accumulation-mode particles in warm continental stratiform clouds
[DE91-013335] 21 p3542 N91-29681
Monte Carlo and mean field calculations of the magnetocaloric effect of ferromagnetically interacting clusters
[DE91-014792] 21 p3572 N91-29859
Algebraic approaches to nuclear structure
[DE91-015214] 21 p3573 N91-29870
Strange quarks in nuclei
[DE91-015833] 21 p3577 N91-29895
The BNL toroidal volume H(-) source
[DE91-013592] 21 p3586 N91-29947
Intermetallic superconductors: The state of development in 1991
[DE91-014844] 21 p3599 N91-30026
EXAFS study of sputtered Co/Al multilayers by electron detection: Structural difference due to deposition condition
[DE91-014787] 22 p3650 N91-30313
Electron-yield EXAFS studies of Tb/FeCo and Tb/Fe multilayers
[DE91-014786] 22 p3760 N91-30960
The time evolution of the first order magnetic phase transition in Dy-4 percent Y alloy
[DE91-015423] 22 p3760 N91-30961
Conversion of biomass and fossil fuels to methanol and its effect on CO2 emissions
[DE91-015846] 23 p3822 N91-31320
Chemical characterization of aerosol particles by Raman spectroscopy
[DE91-015836] 23 p3892 N91-31720
Pyrimidine dimer formation by UVA radiation: Implications for photoreactivation
[DE91-015837] 23 p3898 N91-31756
Acceleration using total internal reflection
[DE91-016612] 23 p3927 N91-31942
Models of flux diffusion and flux creep in high-temperature superconductors
[DE91-015838] 23 p3932 N91-31972
Superconducting magnet program for x ray lithography source at Brookhaven National Laboratory
[DE91-016995] 23 p3933 N91-31981
Review of vacuum systems for x ray lithography light sources
[DE91-017008] 23 p3933 N91-31982
A nuclear thermal rocket engine design based on the particle bed reactor suitable for a Mars mission
[DE91-016898] 24 p3967 N91-32160
Photon stimulated desorption from aluminum and stainless steel
[DE91-017007] 24 p3976 N91-32211
Sampling of atmospheric carbonyl compounds for determination by liquid chromatography after 2,4-dinitrophenylhydrazine labelling
[DE91-015842] 24 p4042 N91-32585
Liquid and solid Ga and Bi studies with a variable energy positron beam
[DE91-016910] 24 p4096 N91-32889
High-energy synchrotron radiation x ray microscopy: Present status and future prospects
[DE91-016894] 24 p4097 N91-32893
Ion clearing and photoelectron production in the 200 MeV SXLS ring
[DE91-017156] 24 p4100 N91-32907
Soft x ray magnetic scattering study of thin films and multilayers
[DE91-017472] 24 p4102 N91-32920
Interaction of InGa liquid alloy coolant with gold coated optical materials
[DE91-017480] 24 p4103 N91-32927

Magnetically measured irreversibility temperatures in superconducting oxides and alloys
[DE91-016895] 24 p4110 N91-32972
Specular and diffuse scattering studies of multilayer interfaces
[DE91-016893] 24 p4111 N91-32978

BROWN UNIV., PROVIDENCE, RI.
Synthesis of oxides containing transition metals
[AD-A225032] 03 p0422 N91-12363
Fracture of ceramics under farfield cyclic compression
[DE90-008417] 05 p0642 N91-13563
Surfaces and thin films studied by picosecond ultrasonics
[DE91-004167] 05 p0712 N91-13973
Control of distributed parameter systems
[AD-A227306] 06 p0866 N91-14787
Simulation of transient glide of a threading dislocation in an embedded strained expitaxial layer
[AD-A226965] 06 p0881 N91-14867
Parameter identification for nonlinear aerodynamic systems
[NASA-CR-187410] 07 p0935 N91-15126
Photochemical generation of the optoacoustic effect
[DE91-000857] 07 p1067 N91-15872
A Monte Carlo method for sensitivity analysis and parametric optimization of nonlinear stochastic systems: The ergodic case
[AD-A228946] 09 p1390 N91-17650
Modified chemical vapor deposition of gradient index lenses
[AD-A230989] 13 p2050 N91-21281
On the slowness of phase boundary motion in one space dimension
[AD-A231286] 13 p2083 N91-21480
Radar signal categorization using a neural network
13 p2140 N91-21782
Nucleation and growth of diamond on Si, Cu and Au substrates
[AD-A231044] 13 p2161 N91-21918
Growth and characterization of thin films of Y2O3, La2O3 and La2CuO4
[AD-A231046] 13 p2161 N91-21919
Preparation and characterization of Iron(III) oxide films by an novel spray pyrolysis method
[AD-A231047] 13 p2161 N91-21920
A numerical study of ignition limits for methane-air mixtures 14 p2242 N91-22404
Micromechanisms of quasi-static and fatigue crack growth in titanium-aluminides 14 p2275 N91-22583
Problems associated with dynamic fracture under high strain rate loading 14 p2276 N91-22586
A class of concurrent algorithms for transient finite element analysis 16 p2638 N91-24600
Ambient and elevated temperature fatigue crack growth in alumina 16 p2638 N91-24601
Elevated temperature crack growth resistance of alumina-silicon-carbide composite under static and cyclic loads 16 p2639 N91-24602
A Bayesian approach to 3-D shape estimation for robotic vision 16 p2687 N91-24877
Computations in optimal control of Navier-Stokes equations 17 p2774 N91-25353
The spectral relationships between NEA and the meteorites: An overview using principal components analysis 17 p2904 N91-26037
The composition of Phobos: Meteorite analogs based on KRFM and VSK spectral data from the Phobos 2 spacecraft 17 p2909 N91-26061
Spiral cracking around a strained cylindrical inclusion in a brittle material and implications for vias in integrated circuits
[AD-A236248] 19 p3134 N91-27320
Three dimensional analysis of crack trapping and bridging by tough particles
[AD-A235591] 19 p3138 N91-27339
Part 1: Mechanics of thin films. Part 2: Fracture re of solids
[AD-A236209] 19 p3180 N91-27583
Synaptic plasticity in visual cortex: Comparison of theory with experiment
[AD-A236223] 19 p3209 N91-27738
Efficient parallel algorithms on restartable fail-stop processors
[AD-A236249] 19 p3228 N91-27845
Feature extraction using an unsupervised neural network
[AD-A235581] 19 p3234 N91-27880
Optical and magnetic spectroscopy at interfaces of strained semiconductor superlattices
[AD-A236978] 19 p3256 N91-28013
Interactions of molecules with surfaces
[DE91-014498] 20 p3402 N91-28857
A model of multicomponent droplet evaporation with liquid phase reactions
[DE90-012535] 21 p3472 N91-29257
Fundamental studies in dynamic plasticity
[AD-A237114] 21 p3532 N91-29621
A research program in experimental and theoretical high energy physics
[DE91-014728] 21 p3579 N91-29907
Basic research on macromolecular dynamics
[PB91-185033] 22 p3752 N91-30917
A research program in experimental high energy physics
[DE91-016208] 23 p3926 N91-31941
Analytical and numerical studies of fracture and fatigue in ceramic materials 24 p4030 N91-32516

BRUEEL AND KJAER A/S, NAERUM (DENMARK).
Mechanical and acoustic testing using intensity techniques 07 p0955 N91-15250

BRUNEL UNIV., UXBRIDGE (ENGLAND).
Hydrogen in aluminium and its alloys
04 p0504 N91-12796
An associative text FILTER for microcomputer-based document retrieval 09 p1420 N91-17815
Computer assisted analysis and modelling of structured problems
[AD-A233592] 16 p2671 N91-24784
The influence of defects on the mechanical properties of short fibre reinforced thermoplastics
20 p3306 N91-28300

BRUSSELS UNIV. (BELGIUM).
Influence of a surface tension minimum on the Marangoni effect (TEXUS 8) ESA
23 p3825 N91-31338
Influence of a surface tension minimum on the Marangoni effect (TEXUS 9) ESA
23 p3826 N91-31339
Influence of a surface tension minimum on the Marangoni effect (TEXUS 19) ESA
23 p3826 N91-31340

BRYN MAWR COLL., PA.
Homogeneously broadened bidirectional ring laser: Theoretical analysis, numerical simulation, and experiment in helium-xenon 08 p1155 N91-16360
Experimental and theoretical studies of the dynamics of two-mode lasers 22 p3682 N91-30503

BUEHLER LTD., LAKE BLUFF, IL.
Revealing the microstructure of materials
12 p1860 N91-20220

BUENA VISTA COLL., STORM LAKE, IA.
The role of polar stratospheric clouds on total ozone minihole events 17 p2880 N91-25926

BUFFALO UNIV., NY.
Vibration suppression and slewing control of a flexible structure 14 p2231 N91-22339
Candidate proof mass actuator control laws for the vibration suppression of a frame
14 p2231 N91-22340

BULGARIAN ACADEMY OF SCIENCES, SOFIA.
Structure of accretion flow in close binary system: A two dimensional numerical model
06 p0922 N91-15093
Isolated galaxies, pairs, and groups of galaxies
08 p1249 N91-16878
Correlation functions for pairs and groups of galaxies
08 p1249 N91-16879

BUNDESANSTALT FUER FLUGSICHERUNG, FRANKFURT AM MAIN (GERMANY, F.R.).
Activities report of the German Federal Institute for Flight Safety
[ETN-91-98644] 08 p1093 N91-16002

BUNDESANSTALT FUER MATERIALPRUEFUNG, BERLIN (GERMANY, F.R.).
X ray diffraction scanning microscopy: A new method of non-destructive characterization of inhomogeneous materials 03 p0335 N91-11877
Brazing of capillary gaps (TEXUS 2)
23 p3849 N91-31461

BUNDESMINISTERIUM FUER FORSCHUNG UND TECHNOLOGIE, BONN (GERMANY, F.R.).
Twenty-five years of European space travel
04 p0491 N91-12726
Projects of the European space travel program
04 p0491 N91-12727
Projects of the European space travel program
04 p0491 N91-12728
The space flights: Second German Spacelab mission D-2 and Mir 1992
[REPT-25/90] 08 p1099 N91-16034
Space research for the sake of all
[ETN-91-98807] 11 p1653 N91-19113

BUNDESMINISTERIUM FUER VERKEHR, BONN (GERMANY, F.R.).
High-speed trains in competition with regional air transport 03 p0306 N91-11709

BUREAU INTERNATIONAL DES POIDS ET MESURES, SEVRES (FRANCE).
Sensitivity to the external temperature of some GPS time receivers 17 p2854 N91-25780
The use of precise ephemerides, ionospheric data, and corrected antenna coordinates in a long-distance GPS time transfer 17 p2858 N91-25802

BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS, CANBERRA (AUSTRALIA).
Geological and Geophysical Studies in the Amadeus Basin, Central Australia, Bulletin 236
[BMR-BULL-236] 19 p3191 N91-27647
The evolution of the Amadeus Basin, central Australia
19 p3191 N91-27648
Amadeus Basin, northern territory: Structure from gravity and magnetic anomalies 19 p3192 N91-27649
Seismic reflection and refraction profiling in central Australia: Implications for understanding the evolution of the Amadeus Basin 19 p3192 N91-27650
Seismic velocities in the Missionary Plain region: An aid to stratigraphic studies 19 p3192 N91-27652
New evidence for ancient metazoan life in the late Proterozoic Heavitree, Amadeus Basin, central Australia
19 p3193 N91-27654
Late Proterozoic and early Palaeozoic palaeontology and biostratigraphy of the Amadeus Basin
19 p3193 N91-27655
A sedimentological model for the Loves Creek Member of the Bitter Springs Formation, northern Amadeus Basin
19 p3193 N91-27656
Paralic and periglacial facies and contemporaneous deformation of the late Proterozoic Olympic Formation, Pioneer Sandstone, and Gaylad Sandstone, Amadeus Basin, central Australia 19 p3193 N91-27657
The Palaeozoic palaeogeography of the Amadeus Basin region 19 p3194 N91-27659
Sequence stratigraphy of the latest Proterozoic-Cambrian Pertaoorrta Group, northern Amadeus Basin, central Australia
19 p3194 N91-27660
Lower Cambrian archaeocyathan buildups, Todd River Dolomite, northeast Amadeus Basin, central Australia: Sedimentology and diagenesis 19 p3194 N91-27661
Description and depositional model of the Chandler Formation: A lower Cambrian evaporite and carbonate sequence, Amadeus Basin, central Australia
19 p3194 N91-27662
The Tempe Formation: An early middle Cambrian, open marine, clastic, and carbonate sequence, central Amadeus Basin 19 p3194 N91-27663
Ordovician sediments in the Waterhouse Range Anticline, Amadeus Basin, central Australia: Their interpretation and tectonic implications
19 p3195 N91-27665
As the worm turns: Implications of bioturbation on source rocks of the Horn Valley Siltstone
19 p3195 N91-27668
Mesothrust versus megathurst interpretations of the structure of the northeastern Amadeus Basin, central Australia 19 p3196 N91-27671
Seismic interpretation and thrust tectonics of the Amadeus Basin, central Australia, along the BMR regional seismic line 19 p3197 N91-27672
The tectonic development of the Amadeus Basin, central Australia 19 p3197 N91-27674
Petroleum source rocks of the Amadeus Basin
19 p3198 N91-27678
Remote sensing of natural hydrocarbon seepage at the Palm Valley Gas Field, Amadeus Basin, central Australia
19 p3198 N91-27680
Chemical sedimentation and facies relationships in the Karinga Creek palaeo-drainage system, Amadeus Basin, Northern Territory 19 p3199 N91-27682
The stress regime in the Amadeus Basin region
19 p3199 N91-27683

BUREAU OF MINES, AMARILLO, TX.
Improved method for preparing gravimetric standard gas mixtures of Helium-4 in nitrogen
[PB91-105700] 09 p1309 N91-17185
Helium resources of the United States, 1989
[PB91-110817] 09 p1364 N91-17497

BUREAU OF MINES, MINNEAPOLIS, MN.
Mining and beneficiation: A review of possible lunar applications 17 p2900 N91-26022

BUREAU OF MINES, PITTSBURGH, PA.
Computer-Aided Software Engineering (CASE) for software automation
[PB91-110791] 09 p1383 N91-17610

BUREAU OF MINES, ROLLA, MO.
Electrochemical impedance spectroscopy study of corrosion of painted cold-rolled and electrogalvanized sheet steel for automotive use
[PB91-110718] 09 p1313 N91-17206

BUREAU OF MINES, WASHINGTON, DC.
New Materials Society: Challenges and opportunities. Volume 1: New materials markets and issues
[PB90-255498] 04 p0496 N91-12753
New Materials Society: Challenges and opportunities. Volume 2: New materials science and technology
[PB90-255506] 04 p0496 N91-12754

Flywheel-powered shuttle car
[PB91-200543] 24 p4026 N91-32499
Mining technology for lunar resource utilization
[PB91-201020] 24 p4123 N91-33044

BUREAU OF RECLAMATION, DENVER, CO.
Design of physical cloud seeding experiments for the Arizona atmospheric modification research program
[PB91-174136] 19 p3201 N91-27692

BURKHARDT MONITORING SERVICE, GLEN ALLEN, VA.
Precise frequency calibration using television video carriers 17 p2853 N91-25772

BUSEK (J.) CO., INC., NEEDHAM, MA.
Lightweight transformer
[DE91-004166] 10 p1516 N91-18348

BUTLER ANALYSES, TOWSON, MD.
Modeling of connections between substructures 12 p1911 N91-20510
Modeling a ball screw/ball nut in substructuring 12 p1911 N91-20511
Modeling an electric motor in 1-D 12 p1912 N91-20513

BYURAKAN OBSERVATORY, MOUNT ARAGATZ (USSR).
On the braking mechanisms of pulsars 06 p0921 N91-15090
On the generation of magnetic fields in active star atmospheres 06 p0922 N91-15099
New data on the peculiar galaxy MRK 273 08 p1251 N91-16887

C

CABLE AND WIRELESS PLC, LONDON (ENGLAND).
The Cable and Wireless approach to network synchronization 17 p2856 N91-25790

CALABRIA UNIV., ARCAVACTA DI RENDE (ITALY).
Synthesis of H2 in dirty ice mantles by fast ion energy loss: New experimental results increase the relevance of this mechanism 06 p0898 N91-14962

CALIFORNIA CYBERNETICS CORP., SUNLAND.
An architectural approach to create self organizing control systems for practical autonomous robots 12 p1936 N91-20652

CALIFORNIA INST. OF BIOLOGICAL RESEARCH, LA JOLLA.
New hosts and vectors for genome cloning
[DE91-009996] 15 p2473 N91-23696
Novel methods for physical mapping of the human genome applied to the long arm of chromosome 5
[DE91-012894] 20 p3378 N91-28717

CALIFORNIA INST. OF TECH., PASADENA.
Application of dynamical systems theory to nonlinear aircraft dynamics 02 p0179 N91-11014
Observations of the dynamics and acoustics of travelling bubble cavitation
[AD-A225375] 03 p0366 N91-12052
A scaling law of radial gas distribution in disk galaxies 05 p0735 N91-14106
The interstellar halo of spiral galaxies: NGC 891 05 p0747 N91-14164
Unbound molecular complexes in M33 05 p0755 N91-14201
Deep narrow band imagery of the diffuse ISM in M33 05 p0755 N91-14202
M51: Molecular spiral arms, GMAs and superclouds 05 p0755 N91-14204
Intersubband absorption in Si(1-x)Ge(x/Si superlattices for long wavelength infrared detectors 06 p0796 N91-14399
Investigation of combustion in large vortices
[AD-A226791] 06 p0804 N91-14441
IRAS results on outer galaxy star formation 06 p0896 N91-14953
Temperature distribution of dust in luminous IRAS galaxies 06 p0901 N91-14982
Investigations of a discrete velocity gas 07 p1001 N91-15494
On the propagation of maximally dissipative phase boundaries in solids
[AD-A227800] 07 p1015 N91-15574
Mantle dynamics and geodesy
[NASA-CR-187330] 07 p1028 N91-15642
GPS measurements of deformation associated with the 1987 Superstition Hills earthquake: Evidence for conjugate faulting
[NASA-CR-187781] 07 p1029 N91-15647
GPS measurements of strain accumulation across the Imperial Valley, California: 1986-1989
[NASA-CR-187788] 07 p1029 N91-15649
Experimental studies of the properties of trihydrogen and tetrahydrogen
[AD-A228869] 08 p1112 N91-16110
Research in nonlinear water waves
[AD-A227948] 08 p1143 N91-16292
Simulation of the flow past an impulsively started cylinder using a discrete vortex method 08 p1145 N91-16303
Time-temperature response of multiphase viscoelastic solids through numerical analysis 08 p1162 N91-16401
Dynamic crack propagation in elastic-plastic solids 08 p1162 N91-16402
A non-LTE analysis of a sample of O stars selected from galactic OB associations 08 p1244 N91-16854
Induced starburst and nuclear activity: Faith, facts, and theory 08 p1263 N91-16953
Molecular gas and star formation in the central regions of Virgo spiral galaxies 08 p1266 N91-16970
Robust control of flexible structures: Theory and experiments 09 p1297 N91-17119
Combustion in turbulent jets and buoyant flames, phase 1
[PB90-269655] 09 p1309 N91-17182
Optoelectronic realizations of neural network models
[AD-A228841] 09 p1327 N91-17292
Vortex simulation of separated flows in two and three dimensions 09 p1334 N91-17326
An investigation of the inviscid spatial instability of compressible mixing layers 09 p1335 N91-17334
An experimental investigation of mode-I crack tip deformation 09 p1352 N91-17424
A search for anisotropy in the cosmic microwave background on angular scales of 1 to 30 arcminutes 09 p1425 N91-17843
Star formation and the interstellar medium in M33 09 p1427 N91-17853
Rayleigh-Taylor instability in compressible fluids
[DE91-005221] 10 p1523 N91-18387
Research on bluff-body vortex wakes
[AD-A229875] 11 p1645 N91-19071
High resolution infrared astronomy satellite observations of a selected spiral galaxy
[NASA-CR-188019] 11 p1816 N91-19975
Stable hydrogen and carbon isotope ratios of extractable hydrocarbons in the Murchison meteorite 11 p1821 N91-20006
Dense modifiable interconnections utilizing photorefractive volume holograms
[AD-A230164] 12 p1901 N91-20456
Bevalac studies of magnet Cerenkov spectroscopy
[NASA-CR-188064] 12 p2008 N91-21052
Thermodynamic properties and crystallization kinetics at high liquid undercooling 13 p2060 N91-21343
Research in nonlinear water waves
[AD-A231205] 13 p2083 N91-21477
Dependence of the photorefractive properties of KTa(1-x)Nb(x)O3:Cu,V on Cu valence state concentration
[AD-A230954] 13 p2161 N91-21917
A submillimeter mission for the 1990s: SMMM 13 p2177 N91-22019
The Caltech Submillimeter Observatory 13 p2178 N91-22032
Investigations into shock-induced enhancement of mixing and combustion in supersonic burners
[AD-A231750] 14 p2243 N91-22407
Giant planets and their satellites: What are the relationships between their properties and how they formed
[CONTRIB-4686] 14 p2346 N91-22972
Chemical reactions in turbulent mixing flows
[AD-A232610] 15 p2428 N91-23450
On the construction of two-phase equilibria in a non-elliptic hyperelastic material
[AD-A232628] 15 p2448 N91-23558
In based III-V microstructures with novel electronic properties
[AD-A232695] 15 p2518 N91-23960
Microwave imaging of Saturn's deep atmosphere and rings 15 p2534 N91-24035
Simulations of high-rate diamond synthesis: Methyl as growth species
[AD-A233079] 16 p2606 N91-24439
A study of immiscible liquids, liquid behavior at zero gravity, and dynamic contact lines and angles 16 p2622 N91-24519
Simulation of the flow past an impulsively started cylinder using a discrete vortex method
[AD-A233066] 16 p2624 N91-24533
Analysis and identification of linear and nonlinear normal modes in vibrating systems 16 p2643 N91-24632
Stresses near a change of thickness in a continuous fiber composite plate 16 p2644 N91-24633
Studies of solar magnetic fields during the rise of solar cycle 22
[AD-A232970] 16 p2704 N91-24967
An experimental investigation of structure, mixing, and combustion in compressible turbulent shear layers
[AD-A235278] 18 p2950 N91-26281
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597
Studies of resonantly enhanced multiphoton ionization processes in molecules
[AD-A235217] 18 p3059 N91-26898
Overview of the NASA astrophysics data system 18 p3079 N91-27022
Considerations for the design of gas-lubricated slider bearings
[PB91-170126] 19 p3177 N91-27568
Wave propagation in linear, bilinear and trilinear elastic bars
[AD-A236199] 19 p3180 N91-27582
Linear stability of a two-phase process involving a steadily propagating planar phase boundary in a solid. Part 1: Purely mechanical case
[AD-A236502] 19 p3180 N91-27587
Linear stability of a two-phase process involving a steadily propagating planar phase boundary in a solid. Part 2: Thermomechanical case
[AD-A236541] 19 p3181 N91-27588
The structure of the near tip field during transient elastodynamic crack growth
[AD-A236889] 19 p3181 N91-27589
Physics and chemistry of small scale structures for modern devices
[AD-A236680] 19 p3255 N91-28009
Applications of scanning tunneling microscopy to electrochemistry
[AD-A237021] 20 p3307 N91-28304
Study of spherical couette flow via 3-D spectral simulations: Large and narrow-gap flows and their transitions 20 p3344 N91-28520
Inorganic components of atmospheric aerosols 20 p3370 N91-28668
Properties of infrared-luminous galaxies, or, how I spent seven summer vacations 20 p3442 N91-29098
Radiative transfer in very strong magnetic fields 20 p3443 N91-29106
Radiative processes in active galactic nuclei 20 p3448 N91-29137
Mechanistic investigation of nanometer-scale/lithography at liquid-covered graphite surfaces
[AD-A237085] 21 p3486 N91-29337
Pulse induced nanlithography of graphite in H2O: A road to chemical linkages to the surface?
[AD-A237086] 21 p3486 N91-29338
Coding for spread-spectrum channels in the presence of jamming
[AD-A238233] 21 p3500 N91-29425
Statistical mechanics of two-dimensional Euler equations and Jupiter's Great Red Spot 21 p3512 N91-29498
Studies in neural networks
[AD-A237452] 21 p3549 N91-29717
Differential equations and continuum mechanics
[AD-A237722] 21 p3565 N91-29820
Electron tunneling microscopy
[AD-A237504] 21 p3596 N91-30003
The relationship between the density wave, molecular gas and star formation in M51 21 p3606 N91-30064
A comparison of several theories which use jet scaling to predict liftoff heights of turbulent-jet flames
[AD-A239717] 23 p3812 N91-31267

CALIFORNIA POLYTECHNIC STATE UNIV., SAN LUIS OBISPO.
Design and evaluation of thrust vectored nozzles using a multicomponent thrust stand
[NASA-CR-180474] 02 p0187 N91-11050
The California corridor transportation system: A design summary 10 p1481 N91-18163
Characterization of the corrosion resistance of several alloys to dilute biologically active solutions 10 p1635 N91-19017
A water tunnel flow visualization study of the vortex flow structures on the F/A-18 aircraft
[NASA-CR-186938] 19 p3100 N91-27126
The power induced effects module: A FORTRAN code which estimates lift increments due to power induced effects for V/STOL flight
[NASA-CR-188081] 22 p3612 N91-30095

CALIFORNIA STATE DEPT. OF TRANSPORTATION, SACRAMENTO.
Development of ultrasonic techniques to establish flaw size
[PB91-176271] 19 p3178 N91-27574

CALIFORNIA STATE POLYTECHNIC UNIV., POMONA.
High altitude reconnaissance aircraft 10 p1481 N91-18162
Detailed modal testing of a solid rocket motor using a portable test system 11 p1660 N91-19144

CALIFORNIA STATE UNIV., FRESNO.
Formal specification of human-computer interfaces 11 p1824 N91-20023

CALIFORNIA STATE UNIV., NORTHRIDGE.
A program of photometric measurements of solar irradiance fluctuations from ground-based observations
03 p0440 N91-12459
Autonomous Martian flying rover
10 p1481 N91-18161
Theoretical research in intermediate-energy nuclear physics
[DE91-012720] 20 p3399 N91-28838
Spin-Label-Spin-Probe. Studies of bimolecular encounters in micelles
[AD-A238546] 21 p3576 N91-29891

CALIFORNIA STATE UNIV., SACRAMENTO.
Low flow vortex shedding flowmeter for hypergolics/all media 11 p1826 N91-20036

CALIFORNIA UNIV., BERKELEY.
Current and potential distributions on a cylinder electrode
[DE91-000170] 02 p0207 N91-11161
A study of the chemical, mechanical, and surface properties of thin films of hydrogenated amorphous carbon
[DE91-000357] 02 p0282 N91-11585
Ramjet combustion instabilities: An analytical and numerical model 03 p0313 N91-11754
Low-frequency pressure oscillations in a model ramjet dump combustor 03 p0313 N91-11755
Problems in the control of flexible spacecrafts
03 p0320 N91-11786
Vibrationally resolved photoelectron spectra of Si3 and Si4
[AD-A225383] 03 p0339 N91-11901
Textural characterization and its applications on zinc electrogalvanized steels
[DE91-000354] 03 p0341 N91-11914
The influence of curvature and buoyancy in three-dimensional pipe flows 03 p0364 N91-12037
The influence of stress on the dynamic response of elastic layers 03 p0380 N91-12122
Modeling of micromechanisms of fatigue and fracture in hybrid materials
[AD-A225042] 03 p0381 N91-12126
Airborne electromagnetic sensing of sea-ice thickness
03 p0384 N91-12140
Measurements of the spectrum and anisotropy of the millimeter wave background 03 p0434 N91-12432
The development and performance of the EXAM detec tor to search for extragalactic antimatter
03 p0434 N91-12433
Nitrous oxide combustion chemistry
04 p0500 N91-12775
Studies of hetero-epitaxy of GaAs films on Si substrate for effective control of defect density and internal stress
[AD-A226144] 04 p0519 N91-12891
A redshift survey of IRAS galaxies
04 p0608 N91-13380
Time domain finite difference analysis of antennas
[AD-A226534] 05 p0651 N91-13613
Robust deterministic control for robotic manipulators
05 p0706 N91-13937
U1(prime) dark matter and R-parity violation
[DE91-001792] 05 p0728 N91-14068
Supernova remnants and diffuse ionized gas in M31
05 p0750 N91-14179
Lyman alpha radiation in external galaxies
05 p0752 N91-14186
Dense gas and HII regions in the starburst galaxy NGC 253 05 p0759 N91-14220
Clues to galaxy activity from rich cluster simulations
05 p0759 N91-14222
The photoevaporation of interstellar clouds
05 p0765 N91-14248
An imaging and spectroscopic study of low and intermediate power radio galaxies
05 p0768 N91-14268
Fabrication of sensitive high Tc bolometers
06 p0794 N91-14389
Opposed jet turbulent diffusion flames
[AD-A227048] 06 p0805 N91-14446
New measurements of the far ultraviolet scattering properties of interstellar dust 06 p0888 N91-14909
Interferometric molecular line observations of W51
06 p0896 N91-14950
Molecules, grains, and shocks: A comparison of CO, H I, and IRAS data 06 p0900 N91-14975
A rocket-borne measurement of interstellar dust emission at high galactic latitude
06 p0900 N91-14976
Infrared cirrus point sources 06 p0900 N91-14978
The composition of heavy molecular ions inside the ionopause of Comet Halley 06 p0907 N91-15010
Infrared emission from interplanetary dust
06 p0908 N91-15013
Continuum radiative transfer in accretion-powered pulsars 06 p0915 N91-15043
Electronic properties of hydrogen-related complexes in pure semiconductors
[DE91-004245] 07 p1071 N91-15894
High resolution photoelectron spectroscopy of metal clusters and high temperature species
[DE90-011598] 08 p1114 N91-16119
A software development specification for nonlinear structural analysis
[AD-A228427] 08 p1203 N91-16614
Theoretical studies of tokamaks
[DE90-011332] 08 p1228 N91-16768
Radio loud far-infrared galaxies
08 p1253 N91-16902
Microstructure and stability comparison of nanometer period W/C, WC/C, and Ru/C multilayer stru tures
[DE91-005232] 09 p1303 N91-17150
Tunable far infrared laser spectroscopy of van der Waals bonds: Ar-NH3
[DE90-011613] 09 p1306 N91-17166
A microstructural study of creep and thermal fatigue deformation in 60Sn-40Pb solder joints
[DE91-005404] 09 p1315 N91-17220
Time domain scattering of focused electromagnetic beam by lossy targets
[AD-A227741] 09 p1322 N91-17257
Dynamics of axially moving continua coupled to viscous fluid layers 09 p1333 N91-17324
Fabrication of an infrared bolometer with a high Tc superconducting thermometer
[DE91-005210] 09 p1339 N91-17355
Theory and implementation of adaptive and repetitive control for robot manipulators 09 p1344 N91-17385
Fabrication and measurement of high Tc superconducting microbolometers
[DE91-005234] 09 p1411 N91-17767
Recent developments in superconducting receivers
[DE91-005402] 09 p1411 N91-17768
Far infrared all-sky survey
[NASA-CR-186437] 09 p1425 N91-17846
The extreme ultraviolet explorer
09 p1432 N91-17885
The aluminium-scandium-lithium-magnesium system as a potential source of superplastically formable alloys
[DE91-005369] 10 p1498 N91-18245
The turbulent transport of heat within a longitudinal vortex/boundary layer interaction
[DE91-006865] 10 p1525 N91-18395
Design analysis of a novel low temperature bolometer
[DE91-005291] 10 p1526 N91-18404
Crack growth behavior of encapsulation processed SiC-PMMA particulate composites
[DE91-005372] 10 p1535 N91-18453
Input/output behavior of supercomputing applications
[NASA-CR-187956] 10 p1570 N91-18633
Sintering behavior of doped ZnO powders for high field varistors
[DE91-005233] 10 p1604 N91-18849
Hydrogen in semiconductors
[DE91-005292] 10 p1604 N91-18850
High energy physics and cosmology
[DE91-006855] 10 p1618 N91-18920
High energy physics and cosmology
[DE91-006856] 10 p1618 N91-18921
Characterization of a defective interfering RNA that contains a mosaic of a plant viral genome
[DE91-007897] 11 p1763 N91-19702
Characterization of a defective interfering RNA that contains a mosaic of a plant viral genome
[DE91-007898] 11 p1763 N91-19703
Performance measurements of the first RAID prototype
[NASA-CR-187958] 11 p1773 N91-19718
High energy physics and cosmology
[DE91-007369] 11 p1797 N91-19859
Design of a stagnation heater for the rarefied gas wing tunnel
[AD-A230689] 12 p1846 N91-20145
Simulated annealing in orbital flight planning
12 p1848 N91-20153
Stochastic models in reliability
[AD-A230227] 12 p1910 N91-20501
Intelligent control based on fuzzy logic and neural net theory 12 p1966 N91-20818
Visual information-processing in the perception of features and objects
[AD-A230488] 12 p1966 N91-20821
Simultaneous potential and circuit solution for bounded plasma particle simulation codes
[DE91-008959] 12 p1985 N91-20921
Magnetic resonance of defects in hetero-epitaxial semiconductor structures
[AD-A230281] 12 p1988 N91-20941
Photoelectron spectroscopy of Si2
[AD-A230911] 13 p2151 N91-21853
Application of Fourier-Fresnel imaging to neutral-atom interferometry
[AD-A231154] 13 p2151 N91-21857
The (C II) 158 micron line mapping of spiral galaxies
13 p2173 N91-21996
Requirements for SIS receivers in the 500-1000 GHz region 13 p2176 N91-22015
Far-infrared heterodyne technology
13 p2176 N91-22016
Excitation of submillimeter water masers
13 p2177 N91-22024
Interferometric investigation of supersonic flow fields with shock-shock interactions 15 p2364 N91-23082
Near midair collisions as an indicator of general aviation collision risk 15 p2367 N91-23096
Study of phase-locked diode laser array and DFB/DBR surface emitting laser diode 15 p2432 N91-23474
Reduced vector basis for dynamic analysis of large damped structures 15 p2442 N91-23525
High-precision Fourier transform spectroscopy of atmospheric molecules 15 p2461 N91-23637
Science requirements for Heavy Nuclei Collection (HNC) experiment on NASA Long Duration Exposure Facility (LDEF) Mission 2
[NASA-CR-187527] 15 p2506 N91-23887
Knowledge-based retrieval of information as a process of evidential reasoning 15 p2522 N91-23978
Studies of the diffuse background and interstellar dust at far ultraviolet wavelengths 15 p2527 N91-24003
Joint services electronics program
[AD-A232855] 16 p2620 N91-24503
Physical modeling of bubble phenomena, electrolyte flow, and mass transfer in simulated advanced Hall cells
[DE91-009816] 16 p2622 N91-24518
Innovative design of mechanical structures from first principles 16 p2634 N91-24580
Spatial and temporal climatic variations in the tropical Atlantic and their relationships to ENSO
16 p2658 N91-24707
Fire propagation in concurrent flows
[PB91-157206] 17 p2756 N91-25252
Three dimensional vortex methods for the analysis of wave propagation on vortex filaments
[DE91-011868] 17 p2778 N91-25378
Learning control of robot manipulators
17 p2783 N91-25399
International Conference on Physiological Process Studies in the Arctic
[DE91-011199] 17 p2808 N91-25524
Plasma x ray focusing studies
[DE91-011446] 17 p2869 N91-25869
An architecture for identifying objects in multidatabases
[DE91-011865] 17 p2888 N91-25970
Flexural plate wave devices for chemical analysis
[AD-A234129] 18 p2946 N91-26254
Study of the low-lying electronic states of Si2 and Si2(-) using negative ion photodetachment techniques
[AD-A234336] 18 p2946 N91-26256
Dynamic energy absorption of sandwich structures by inelastic deformation
[AD-A234903] 18 p2999 N91-26564
Neutral atom deBroglie-wave interferometry
[AD-A234624] 18 p3059 N91-26896
Negative ion photodetachment as a probe of the transition state region: The I + HI reaction
[AD-A235297] 18 p3059 N91-26900
Experimental study of flat-plate structures under vertical and lateral loads
[PB91-164350] 19 p3182 N91-27594
A tandem, microwave-driven cusp negative ion source
[AD-A236227] 19 p3242 N91-27932
Diffusion through stochastic webs in two and more dimensions 20 p3416 N91-28941
On the use of particle-in-cell methods for the study of magnetically-confined fusion plasmas
[DE91-015093] 20 p3423 N91-28984
Micromechanisms of monotonic and cyclic subcritical crack growth in advanced high melting point low-ductility intermetallics
[AD-A238151] 21 p3482 N91-29317
Structures, properties, and dynamics of metal clusters from infrared laser spectroscopy
[AD-A237669] 21 p3523 N91-29570
Software development of the cochlear filter and eighth-nerve model
[AD-A237454] 21 p3555 N91-29757
Fatigue crack propagation in austenitic stainless steels at cryogenic temperatures 22 p3650 N91-30312
Neutral atom deBroglie-wave interferometry
[AD-A229368] 22 p3752 N91-30912
Self-generated stochastic heating in an RF discharge
[DE91-017404] 24 p4107 N91-32948
Particle astrophysics 24 p4120 N91-33024

CALIFORNIA UNIV., BERKELEY. LAWRENCE BERKELEY LAB.

Microstructural and phase stability studies of nanometer period metal/carbon multilayer structures for x ray optics
[DE90-015307] 01 p0022 N91-10129

Corrosion-resistant coatings for high-temperature high-sulfur activity applications
[DE90-016638] 01 p0030 N91-10177

Modes of elliptical waveguides: A correction
[DE90-016647] 01 p0034 N91-10203

Corrosion, passivity, and breakdown of alloys used in high energy density batteries
[DE90-016648] 01 p0038 N91-10223

A correlation between T(sub 3) and electronegativity difference in high-temperature superconductors
[DE90-016640] 01 p0131 N91-10775

In situ transmission electron microscopy and computer simulation study of the kinetics of oxygen loss in YBa2Cu3O(z)
[DE90-014508] 01 p0133 N91-10783

A study of chromium carbide precipitation at interphase boundaries in stainless steel welds
[DE91-000360] 02 p0199 N91-11113

Zinc air battery development for electric vehicles
[DE90-016639] 02 p0205 N91-11149

Current and potential distributions on a cylinder electrode
[DE91-000170] 02 p0207 N91-11161

A study of the chemical, mechanical, and surface properties of thin films of hydrogenated amorphous carbon
[DE91-000357] 02 p0282 N91-11585

Textural characterization and its applications on zinc electrogalvanized steels
[DE91-000354] 03 p0341 N91-11914

The practical computer in design
[DE91-000353] 03 p0401 N91-12232

Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682

Influence of collective effects on the performance of high-luminosity colliders
[DE91-001797] 05 p0714 N91-13982

X ray and charged particle detection with CsI(Tl) layer coupled to a-Si:H photodiode layers
[DE91-001798] 05 p0727 N91-14060

U1(prime) dark matter and R-parity violation
[DE91-001792] 05 p0728 N91-14068

Coupled transport processes in semipermeable media. Part 2: Numerical method and results
[DE91-004140] 05 p0729 N91-14073

Fabrication of sensitive high Tc bolometers
06 p0794 N91-14389

Statistical errors in the fractal analysis of flame boundaries
[DE91-001795] 06 p0804 N91-14439

The application of the turbulent burning speed concept to laboratory flames
[DE91-001789] 06 p0806 N91-14449

Anomalous surface phase formation on Pt3Sn with zone axes group (100)
[DE91-001794] 06 p0807 N91-14456

Coupled transport processes in semipermeable media. Part 1: Analytical solutions of the linearized governing equations
[DE91-004138] 06 p0884 N91-14887

Evaluation of the x ray response of a position-sensitive microstrip detector with an integrated readout chip
[DE91-004414] 07 p0998 N91-15482

Earth Sciences Division annual report 1989
[DE91-004108] 07 p1022 N91-15609

Electron crystallography of PhoE Porin, an outer membrane, channel-forming protein from E. Coli
[DE91-001790] 07 p1034 N91-15670

Data interchange standards for biotechnology: Issues and alternatives
[DE91-004114] 07 p1034 N91-15671

Electronic properties of hydrogen-related complexes in pure semiconductors
[DE91-004245] 07 p1071 N91-15894

Exploratory cell research and fundamental processes study in solid state electrochemical cells
[DE91-004130] 07 p1073 N91-15905

Differential geometry of groups in string theory
[DE91-004314] 07 p1075 N91-15916

An emulator for the W. M. Keck 10 m telescope
[DE91-004286] 07 p1081 N91-15948

Analysis of the W. M. Keck Telescope primary mirror control loop
[DE91-004433] 07 p1081 N91-15949

High resolution photoelectron spectroscopy of metal clusters and high temperature species
[DE90-011598] 08 p1114 N91-16119

Electron microscopy and electrochemistry of nickel oxide films for electrochromic devices produced by different techniques
[DE90-011596] 08 p1118 N91-16142

Sintering stress and microstructure in ceramic powder compacts
[DE91-004415] 08 p1119 N91-16149

Measurements of 1/f noise in a-Si:H pin diodes and thin-film-transistors
[DE90-011218] 08 p1132 N91-16228

A tunable x ray microprobe using synchrotron radiation
[DE90-011219] 08 p1148 N91-16322

Some nonlinear problems in the manipulation of beams
[DE91-005211] 08 p1154 N91-16358

A quantum theory of the mind-brain interface
[DE91-004431] 08 p1191 N91-16546

Production of high intensity radioactive beams
[DE90-011340] 08 p1222 N91-16735

Quasiperiodic transition to chaos in Ge; and magnetic susceptibility of high-T(c) superconductors
[DE90-011304] 08 p1233 N91-16797

Microstructure and stability comparison of nanometer period W/C, WC/C, and Ru/C multilayer stru tures
[DE91-005232] 09 p1303 N91-17150

Vacuum ultraviolet spectroscopy and dynamics
[DE90-011601] 09 p1306 N91-17165

Tunable far infrared laser spectroscopy of van der Waals bonds: Ar-NH3
[DE90-011613] 09 p1306 N91-17166

A microstructural study of creep and thermal fatigue deformation in 60Sn-40Pb solder joints
[DE91-005404] 09 p1315 N91-17220

Fabrication and measurement of high Tc superconducting microbolometers
[DE91-005234] 09 p1411 N91-17767

Recent developments in superconducting receivers
[DE91-005402] 09 p1411 N91-17768

An historical mullite fiber-reinforced ceramic composite: Characterization of the 'wootz' crucible refractory
[DE91-005401] 10 p1494 N91-18225

The aluminium-scandium-lithium-magnesium system as a potential source of superplastically formable alloys
[DE91-005369] 10 p1498 N91-18245

Coherent radiation in an undulator
[DE91-007744] 10 p1516 N91-18346

Proceedings of the TOUGH Workshop
[DE91-005405] 10 p1524 N91-18388

Design analysis of a novel low temperature bolometer
[DE91-005291] 10 p1526 N91-18404

Stability and performance of CDRL-FEL (Chemical Dynamics Research Laboratory-Free Electron Laser)
[DE91-007691] 10 p1531 N91-18433

Automatic tracking of the intersection of a laser and electron beam
[DE91-007740] 10 p1531 N91-18434

Crack growth behavior of encapsulation processed SiC-PMMA particulate composites
[DE91-005372] 10 p1535 N91-18453

Reactive chemical transport in ground-water hydrology: Challenges to mathematical modeling
[DE91-005244] 10 p1538 N91-18463

Digital radiography: Present detectors and future developments
[DE91-005386] 10 p1559 N91-18572

Sintering behavior of doped ZnO powders for high field varistors
[DE91-005233] 10 p1604 N91-18849

Hydrogen in semiconductors
[DE91-005292] 10 p1604 N91-18850

HVEM (High Voltage Electron Microscopy) studies of the sintering of MgO nanocrystals prepared by Mg(OH)2 decomposition
[DE91-005403] 10 p1606 N91-18860

Multiple particle production processes in the light of quantum optics
[DE91-005290] 10 p1611 N91-18887

An optical and near infrared search for a pulsar in Supernova 1987A
[DE91-007652] 10 p1616 N91-18913

Theory of the ion-channel laser
[DE91-007643] 11 p1711 N91-19423

The evolution and limits of spectral bandwidth in free electron lasers
[DE91-007737] 11 p1711 N91-19425

Hole coupling resonator for free electron lasers
[DE91-007745] 11 p1711 N91-19426

The advanced light source: A new tool for research in atomic physics
[DE91-007739] 11 p1797 N91-19861

Phase transitions and equation of state of CsI under high pressure and the development of a focusing system for x rays
[DE91-007646] 11 p1808 N91-19930

Thin film reactions on alloy semiconductor substrates
[DE91-007651] 11 p1808 N91-19931

Some roles for TEM in the development of new materials
[DE91-007742] 11 p1809 N91-19933

Part 1: The effect of lattice defects on the sintering of lithium fluoride; Part 2: The morphology of calcium oxide from calcium carbonate decomposition
[DE91-007743] 11 p1809 N91-19934

Symmetries on the space of (2,2) superstring vacua and automorphism groups of Calabi-Yau manifolds
[DE91-008218] 11 p1812 N91-19951

Hydrogenated amorphous silicon radiation detectors: Material parameters, radiation hardness, charge collection
[DE91-009082] 12 p1920 N91-20562

Fresnel fringe effects at interfaces of thin multilayer structures
[DE90-015312] 12 p1985 N91-20923

Micromechanisms of friction in electrogalvanized sheet steel with emphasis on the role of texture
[DE91-009113] 13 p2052 N91-21290

Broad-beam, high current, metal ion implantation facility
[DE91-009329] 13 p2052 N91-21291

Levelling of microprofiles in electrodeposition
[DE91-009083] 13 p2053 N91-21297

Test results of a 90 MHz integrated circuit sixteen channel analog pipeline for SSC detector calorimetry
[DE91-009773] 13 p2076 N91-21436

Design overview of a highly stable infrared free electron laser at LBL
[DE91-009327] 13 p2091 N91-21508

Superplastic creep of eutectic tin-lead solder joints
[DE91-009074] 13 p2105 N91-21586

Review of CERN heavy-ion physics
[DE91-009326] 13 p2149 N91-21844

Pressure dependence of deep centers by capacitance spectroscopies inside the diamond anvil cell
[DE91-008927] 13 p2159 N91-21906

Structural characterization of the Ag/YBa2Cu3O(7-x) interface
[DE91-009112] 13 p2159 N91-21907

Nonlinear optical spectroscopy of Ce3(+) ions in insulating crystals
[DE91-008928] 13 p2160 N91-21913

Promoting a healthy skepticism with regard to information processing
[DE91-007697] 13 p2168 N91-21968

Cryogenic mechanical behavior of Vintage 3 aluminum-copper-lithium alloy 2090-T81
[DE91-009776] 14 p2247 N91-22434

Dopant effects on sintering behavior in ceramic matrix composites
[DE91-009774] 14 p2252 N91-22459

Nuclear magnetic resonance experiments with DC SQUID amplifiers
[DE91-009775] 14 p2261 N91-22507

Requirements and design of a high stable infrared free electron laser at LBL
[DE91-009674] 14 p2270 N91-22558

Concentrations of Indoor Pollutants (CIP) database user's manual (version 4.0)
[DE91-009115] 14 p2283 N91-22626

Coherence, optics and applications of x ray wavelengths
[DE91-009739] 14 p2327 N91-22858

Experimental and theoretical characterization of the YBa2Cu3O7 / YBa2Cu4O8 phase transformation
[DE90-015309] 14 p2330 N91-22871

The strength and toughness of stainless steels at cryogenic temperature
[DE91-009771] 15 p2402 N91-23300

Possibilities for projection x ray lithography using holographic optical elements
[DE91-009770] 15 p2431 N91-23464

Structural studies of manganese and halide in the photosynthetic oxygen evolving complex
[DE91-009071] 15 p2473 N91-23698

Canonical vs. micro-canonical sampling methods in a 2D Ising model
[DE91-010204] 15 p2482 N91-23737

Computer programs for simulation of electrodeposition
[DE91-010203] 15 p2483 N91-23741

A guide to experimental elementary particle physics literature, 1985-1989
[DE91-010209] 15 p2502 N91-23856

Investigation of neutral atom and ion emission during laser conditioning of multilayer HfO2-SiO2 coatings
[DE91-009749] 15 p2502 N91-23860

Calculation of cross sections for binary reactions between heavy ion projectiles and heavy actinide targets
[DE91-010222] 15 p2506 N91-23882

Magnet cable manufacturing
[DE91-010210] 15 p2514 N91-23935

Novel metal ion surface modification technique
[DE91-010228] 16 p2602 N91-24422
Energy conversion and storage program
[DE91-010221] 16 p2652 N91-24676
Radioactivities of Long Duration Exposure Facility (LDEF) materials: Baggage and bonanzas
16 p2708 N91-24984
Ex-situ and in-situ spectroscopic studies of the passive film on lithium in non-aqueous solvents
[DE91-010227] 17 p2757 N91-25258
Electrocatalysts for oxygen electrodes
[DE91-010226] 17 p2770 N91-25327
Spectroscopic measurement of H(1S) and H2(v(double prime),J(double prime)) in an H(-) ion source plasma
[DE91-011879] 17 p2868 N91-25865
Microstructure and electromigration effects in Al and Al alloy thin films
[DE91-011864] 17 p2872 N91-25884
Interfacial reactions between thin films of Co and InP(100)
[DE91-011910] 17 p2874 N91-25896
The cryogenic mechanical properties of Vintage 3 Al-Li-Zr alloy 2090-T81
[DE91-011897] 18 p2956 N91-26311
Low frequency noise in resonant Josephson soliton oscillators
[DE91-011911] 18 p2981 N91-26464
Shell hoop prestress generated by welding
[DE91-011892] 18 p3001 N91-26571
Fluorescence spectroscopy of excitation transfer in Photosystem 1
[DE91-011867] 18 p3021 N91-26681
A study of signal generation and charge collectionin a-Si:H diodes for radiation imaging
[DE91-010243] 18 p3060 N91-26904
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011894] 18 p3071 N91-26973
Study of the effect of reactive element addition by implanting metal ions in a pre-formed oxide layer
[DE91-011916] 18 p3072 N91-26974
High-T(sub c) thin-film magnetometer
[DE91-011828] 18 p3073 N91-26981
Thin film alloys on semiconductor substrates
[DE91-012355] 18 p3073 N91-26985
Quantum limited quasiparticle mixers at 100 GHz
[DE91-011826] 18 p3075 N91-26991
Supersymmetry breaking from superstrings and the gauge hierarchy
[DE91-011899] 18 p3075 N91-26992
Preliminary estimates of core-collapse supernova rates from the Berkeley automated supernova search
[DE91-011824] 18 p3084 N91-27050
The Berkeley/Anglo-Australian Observatory high-redshift supernova search
[DE91-012348] 18 p3084 N91-27051
Alumina-silicon carbide composites from coated powders
[DE91-012357] 20 p3303 N91-28281
Some new approaches to semiclassical and quantum transition state theory
[DE91-012345] 20 p3308 N91-28308
Energy dissipation in chemical reactions on ultrafast timescales
[DE91-012342] 20 p3309 N91-28315
Tensile deformation of Al-Cu-Li-Zr alloy 2090-T8E41 at 298 and 77 K
[DE91-011885] 20 p3314 N91-28345
A study of the influence of temperature gradients on densification of glass powder compacts
[DE91-012337] 20 p3323 N91-28399
On accurate determination of contact angle
[DE91-013849] 20 p3331 N91-28450
High order calculation of the multipole content of three dimensional electrostatic geometries
[DE91-014707] 20 p3336 N91-28476
Fixture efficiency program
[DE91-014470] 20 p3340 N91-28498
A mathematical model for two-phase water, air, and heat flow around a linear heat source emplaced in a permeable medium
[DE91-014614] 20 p3345 N91-28527
Advancing conventional high-resolution electron microscopy
[DE91-013773] 20 p3349 N91-28548
Improving fatigue life in near-eutectic Sn Pb solders
[DE91-013844] 20 p3358 N91-28603
A gravity model for the Coso geothermal area, California
[DE91-011874] 20 p3371 N91-28677
Chromosomal changes in cultured human epithelial cells transformed by low- and high-LET radiation
[DE91-013772] 20 p3379 N91-28720
Genetic changes in Mammalian cells transformed by helium cells
[DE91-013778] 20 p3379 N91-28721
Protein-directed modulation of high-LET hyperthermic radiosensitization
[DE91-013783] 20 p3379 N91-28722
The role of the UNIX(tm) central computing facility in a multi-purpose national laboratory
[DE91-012361] 20 p3382 N91-28737
Computing minimal surfaces via level set curvature flow
[DE91-014709] 20 p3386 N91-28759
Visualization using a data flow-based paradigm
[DE91-013851] 20 p3386 N91-28763
Elastic tracking versus neural network tracking for very high multiplicity problems
[DE91-011825] 20 p3387 N91-28768
Invariant metrics for Hamiltonian systems
[DE91-014236] 20 p3393 N91-28807
The Advanced Light Source: A new tool for research in atomic and molecular physics
[DE91-012860] 20 p3400 N91-28844
Measurements of ionization cross-section for electron energy-loss microanalysis under well defined scattering conditions
[DE91-013745] 20 p3403 N91-28862
Plasma immersion surface modification with metal ion plasma
[DE91-014233] 20 p3422 N91-28979
Superconducting bolometers: High-T(sub c) and low-T(sub c)
[DE91-011830] 20 p3424 N91-28992
Ferromagnetic material in the superconductor and its effect on the magnetization sextupole and decapole in the SSC dipoles at injection
[DE91-011886] 20 p3424 N91-28993
High-T(sub c) thin-film microelectronics
[DE91-012340] 20 p3425 N91-28997
Photolithographically patterened thin-film multilayer devices of YBa2Cu3O(7-x)
[DE91-012350] 20 p3425 N91-28998
Characterization of crystalline interfaces by advanced electron microscopy
[DE91-011883] 20 p3426 N91-29002
TEM analysis of enclosed crystal microstructures and interfaces
[DE91-012344] 20 p3426 N91-29006
Thin-film flux transformers of YBa2Cu3O(7-x)
[DE91-012363] 20 p3427 N91-29007
The effect of the quantum susceptance on the gain of superconducting quasiparticle mixers
[DE91-012352] 20 p3429 N91-29021
Electron correlations in solid state physics
[DE91-013752] 20 p3430 N91-29030
Long-wavelength germanium photodetectors by ion implantation
[DE91-013848] 20 p3432 N91-29038
Physics at the Planck scale
[DE91-012346] 20 p3434 N91-29054
Topics in low-dimensional field theory
[DE91-013784] 20 p3436 N91-29062
The EOS TPC analysis shell
[DE91-011873] 20 p3437 N91-29073
Safe referential integrity structures in relational databases
[DE91-014586] 20 p3440 N91-29091
Impact of the nuclear equation of state on models of rotating neutron stars
[DE91-014615] 20 p3446 N91-29125
Ground-based measurements of galactic cosmic ray fragmentation in shielding
[DE91-012336] 20 p3448 N91-29133
The ASTROMAG superconducting magnet facility configured for a free flying satellite
[DE91-014710] 21 p3463 N91-29204
Molecular beam studies of reaction dynamics
[DE90-011600] 21 p3472 N91-29256
Performance of multiple stream pulsed jet combustion systems
[DE91-012338] 21 p3473 N91-29259
Hot atom reactive scattering and photodissociation experiments with acetylene and ethylene
[DE91-013755] 21 p3473 N91-29264
Equation of state for pure sodium chloride
[DE91-014618] 21 p3477 N91-29286
Measurements of retractable gas-cooled 6061 aluminum electrical leads operating in a vacuum
[DE91-014617] 21 p3503 N91-29444
A methodology for inhibiting the formation of pollutants in diesel engines
[DE90-011615] 21 p3526 N91-29584
Quantum measurement and the mind-brain connection
[DE91-012343] 21 p3550 N91-29723
Molecular beam studies of reaction dynamics
[DE91-014866] 21 p3573 N91-29868
Specific heat of YBaCu3O7: Volume fraction of superconductivity; parameters characteristic of the ideal superconducting state
[DE91-011827] 21 p3591 N91-29974
TEM characterization of grain boundaries in mixed bicrystal films of aluminum
[DE91-016267] 21 p3601 N91-30038
Tunable far infrared laser spectroscopy of Van der Waals molecules in a planar supersonic jet expansion
[DE91-014319] 22 p3753 N91-30919
Virial coefficients and equations of state for mixed fluids; application to CH4-H2O
[DE91-016248] 23 p3810 N91-31254
Magnetic field-induced fracture changes in metastable austenites at 4.2 K
[DE91-016263] 23 p3815 N91-31279
Metastable austenites in cryogenic high magnetic field environments
[DE91-016420] 23 p3816 N91-31288
A jet polishing technique for thinning two phase materials
[DE91-016422] 23 p3852 N91-31473
High-T(sub c) bolometers
[DE91-017009] 23 p3874 N91-31611
Cyanobacteria in CELSS: Growth strategies for nutritional variation and nitrogen cycling
23 p3903 N91-31786
Recent advances in fiber optics components for high speed data transmission
[DE91-016252] 23 p3928 N91-31948
Macroscopic quantum tunneling in Josephson tunnel junctions and Coulomb blockade in single small tunnel junctions
[DE91-016258] 23 p3932 N91-31974
TEM analysis of crystalline interface structure: The state of the art
[DE91-016427] 23 p3932 N91-31975
The Berkeley search for distant supernovae to measure omega
[DE91-016418] 23 p3938 N91-32010
Nuclear and particle astrophysics
[DE91-016260] 23 p3939 N91-32016
Fast pulsars, variational bound, other facets of compact stars
[DE91-016416] 23 p3939 N91-32018
Equations of state for solid NaCl-KCl and liquid NaCl-KCl-H2O
[DE91-016980] 24 p3973 N91-32195
Reaction sintering of ZnO-Al2O3
[DE91-016254] 24 p3976 N91-32210
Current status of solid-state lithium batteries employing solid redox polymerization cathodes
[DE91-016988] 24 p4007 N91-32404
Numerical study of Stokes flows with suspended particles
[DE91-017011] 24 p4016 N91-32455
A guidebook for the control of summer heat islands
[DE91-016246] 24 p4042 N91-32586
Biophysical and genetic aspects of light-potentiated gravitropic curvature in the maize primary root
[DE91-016255] 24 p4072 N91-32749
Analysis of polarization properties of shallow metallic gratings by an extended Rayleigh-Fano theory
[DE91-016982] 24 p4087 N91-32835
Graph theory and the Virasoro master equation
[DE91-016432] 24 p4093 N91-32866
Crossed beams studies of nonadiabatic collision dynamics
[DE91-016250] 24 p4095 N91-32879
Effective theories and thresholds in particle physics
[DE91-016257] 24 p4095 N91-32880
Emittance variations in current-amplifying ion induction linacs
[DE91-016266] 24 p4100 N91-32909
Circular Intensity Differential Scattering (CIDS) measurements in the soft x ray region of the spectrum (approximately 16 eV to 500 eV)
[DE91-016429] 24 p4101 N91-32915
Oxygen ordered superstructures and domain formation in YBa2Cu3O(7-x)
[DE90-015633] 24 p4108 N91-32958
Thermodynamics of combustion in an enclosure
[DE91-016430] 24 p4113 N91-32992

CALIFORNIA UNIV., DAVIS.

Robot trajectory control with a model reference adaptive control system using tap delay filters
02 p0218 N91-11217
Optical shared memory system demonstration model
[AD-A226431] 05 p0651 N91-13612
Modeling pilot interaction with automated digital avionics systems: Guidance and control algorithms for contour and nap-of-the-Earth flight
[NASA-CR-186105] 05 p0696 N91-13875
Evaluation of performance and feedback control design for vehicle suspensions with variable compliance elements 06 p0832 N91-14601
Area and volume coherence for efficient visualization of 3D scalar functions
[DE90-012994] 07 p1049 N91-15760

Use of satellite data and modeling to assess the influence of stratospheric processes on the troposphere
08 p1185 N91-16517
Reliability modeling and inference for coherent systems subject to aging, shock, or repair
[AD-A229262] 09 p1349 N91-17411
Climatic water budgets, effective moisture, and elevation in the Southern Sierra Nevada, California, 1951-1980
[PB91-127878] 11 p1725 N91-19500
Physiological genetics of denitrification: A route to conserving fixed nitrogen
[DE91-008157] 11 p1764 N91-19707
Formal proof of the AVM-1 microprocessor using the concept of generic interpreters
[NASA-CR-187491] 11 p1779 N91-19756
Radical formation in the coma from photodissociation of ice grains 12 p2006 N91-21040
Thoughts on the chimera method of simulation of three-dimensional viscous flow
13 p2012 N91-21063
An experimental and computational study on the propagation and kinetic structure of laminar premixed flames 14 p2242 N91-22403
A submicron resolution monolithic capacitive displacement sensor with digital output
[DE91-009765] 15 p2431 N91-23465
Navier-Stokes computation of compressible turbulent flows with a second order closure
[NASA-CR-188451] 16 p2626 N91-24543
Laser scattering of spherical particles where particle diameter is approximately equal to the wavelength as a test of Mie theory using a polar nephelometer: Design, construction, calibration, laboratory and field analyses
17 p2807 N91-25516
Cometary implications of the internal energy distributions of the C2 and C3 radicals produced in the photolysis of the C2H and C3H2 17 p2894 N91-25998
Formation of ions and radicals from icy grains in comets 17 p2895 N91-25999
Nonlinear stochastic optimization solution procedures and incomplete information
[AD-A235242] 18 p3042 N91-26793
Martian dust threshold measurements: Simulations under heated surface conditions
18 p3089 N91-27081
The adsorption of bromide ion at mercury from propylene carbonate solutions of constant ionic strength
[AD-A237020] 19 p3128 N91-27281
Fault tolerance in opto-electronic computing
[AD-A235881] 19 p3225 N91-27825
Studies relevant to the catalytic activation of carbon monoxide
[DE91-012661] 20 p3310 N91-28323
Radiation damage of ceramics by electron microscopy
[DE91-012186] 20 p3323 N91-28396
Measurements of the ion acoustic decay instability and the resultant enhanced laser absorption and enhanced bremsstrahlung in laser-plasma interaction experiments
[DE91-014250] 20 p3418 N91-28956
Strengthening mechanisms, creep, and fatigue processes in dispersion hardened niobium alloy
[AD-A237784] 21 p3482 N91-29313
Ceramic decomposition under irradiation
[DE91-015061] 21 p3491 N91-29372
Solvent effects on simple electron transfer reactions. A comparison of results in Debye and non-Debye solvents
[AD-A237157] 21 p3574 N91-29875
Role of the solvent in kinetics of heterogeneous electron and ion transfer reactions
[AD-A237168] 21 p3574 N91-29876
Measurements of the ion acoustic decay instability and the resultant thermal and suprathermal electron heating in laser-plasma interaction experiments
[DE90-012477] 21 p3585 N91-29941
Discreteness-of-solvent effects in Marcus equations in the mean spherical approximation
[AD-A237133] 21 p3594 N91-29996
Efficiency of N use by wheat as a function of influx and efflux of NO3 23 p3902 N91-31778
Use of satellite data and modeling to assess the influence of stratospheric processes on the troposphere
24 p4058 N91-32673
The formal verification of generic interpreters
[NASA-CR-4403] 24 p4090 N91-32853

CALIFORNIA UNIV., IRVINE.

Seasonal variations in the latitudinal distribution of tropospheric carbon monoxide, 1986 to 1988
02 p0238 N91-11328
Effect of intercalated lithium on the electronic band structure of indium selenide
[AD-A225933] 04 p0518 N91-12886
A short review of human motor behavior: Phenomena, theories, and systems
[AD-A226271] 04 p0552 N91-13060
An integrated cognitive architecture for autonomous agents
[AD-A225701] 04 p0555 N91-13076
Acoustic oscillations in dump combustor configurations 09 p1336 N91-17337
Software safety
[NASA-CR-187920] 09 p1386 N91-17623
Synaptic plasticity and memory formation
[AD-A230617] 12 p1930 N91-20619
Design and planned movement of multi-degree of freedom spatial mechanisms 16 p2634 N91-24579
Grain boundary cavitation processes in a Ni3Al alloy at elevated temperatures
[AD-A235279] 18 p2955 N91-26307
Work performed experiments: 1989-1990
[AD-A235221] 18 p2980 N91-26457
Mechanisms of adaptive information processing
[AD-A234435] 18 p3031 N91-26734
Statistical analysis of stochastic gradient based algorithms
[AD-A234545] 18 p3053 N91-26859
X ray laser
[AD-A236245] 19 p3171 N91-27534
Propagation of a neutralized ion beam
[AD-A236666] 19 p3242 N91-27933
Major achievements during the first program year
[AD-A237171] 21 p3581 N91-29919
Fundamental investigation of duct/ESP phenomena: Flow visualization
[DE91-010999] 22 p3677 N91-30471
Real-time recognition of multiple targets
[AD-A238364] 22 p3737 N91-30811
Design and analysis of fault-tolerant distributed real-time computer systems
[AD-A239521] 23 p3908 N91-31812
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030

CALIFORNIA UNIV., LOS ANGELES.

Conservative buffering of approximate nonlinear constraints 01 p0052 N91-10312
Exercise issues related to the neuromuscular function and adaptation to microgravity 01 p0100 N91-10584
Plasma wakefield excitation by charge particle beams
01 p0123 N91-10729
Enhancement of forced convection heat transfer in tubes using staged tangential flow injection
[PB90-247594] 02 p0209 N91-11170
Heat pipe vapor dynamics 02 p0211 N91-11179
Wave-mean flow interaction in the storm-time thermosphere using a two-dimensional model
02 p0237 N91-11321
Constrained optimization approach to feedback control of state-augmented systems 02 p0258 N91-11433
Design of a scientific probe for obtaining Mars surface material
[NASA-CR-186672] 02 p0293 N91-11641
Electronic study of Pt-Ga intermetallic thin films using x ray photoemission spectroscopy
[AD-A225036] 03 p0338 N91-11893
Solid-phase equilibria for metal-silicon-oxygen ternary systems 1: Mg, Ca, Sr, and Ba
[AD-A225038] 03 p0338 N91-11894
Electrical resistivity, magnetic susceptibility, and thermoelectric power of PtGa2
[AD-A225035] 03 p0359 N91-12009
Analysis of scanning tunneling microscope topographs of graphite surfaces roughened by Ar(+) ion bombardment
[AD-A225037] 03 p0359 N91-12010
Effects of tip-broadening and asymmetry on scanning tunneling microscope topographs
[AD-A224883] 03 p0369 N91-12068
FW/SM: A prototype structured modeling environment
[AD-A224756] 03 p0400 N91-12226
Currents between tethered electrodes in a magnetized laboratory plasma
[NASA-CR-186128] 03 p0419 N91-12344
Growth and reactivity of CuCl on Si(111)
[AD-A225034] 03 p0423 N91-12364
Compact millimeter-wave devices: Cherenkov CARM, voltage CARM and high harmonic gyrotron
[AD-A226070] 04 p0519 N91-12890
The variation of the plasma sheet polytropic index along the midnight meridian in a finite width magnetotail
[AD-A225948] 04 p0547 N91-13034
Distributed problem solving: Adaptive networks with a computer intermediary resource
[AD-A226346] 04 p0570 N91-13166
Transverse liquid fuel jet breakup, burning, and ignition
[NASA-CR-187423] 05 p0633 N91-13510
Utilization of the HIPAS facility for cooperative experiments related to ionospheric modification
[AD-A226609] 05 p0647 N91-13590
Analytical study of the liquid phase transient behavior of a high temperature heat pipe
[NASA-CR-187426] 05 p0656 N91-13644
Heat pipe dynamic behavior
[NASA-CR-187422] 05 p0656 N91-13645
Enhancement of critical heat flux in tubes using staged tangential flow injection
[DE90-014935] 05 p0659 N91-13659
Fracture mechanics of interface cracks between dissimilar anisotropic materials 05 p0675 N91-13752
Specification goals for a Mars seismic network
06 p0788 N91-14360
Randomly sampled-data control systems
[NASA-CR-187425] 06 p0858 N91-14734
A study of strong stability of distributed systems
[NASA-CR-187421] 06 p0862 N91-14766
Electromagnetic properties of high Tc superconductors
[AD-A227006] 06 p0881 N91-14868
Models of software evolution: Life cycle and process
[AD-A227328] 07 p1048 N91-15755
Local and global instability of heated 2-D jets and wakes 08 p1144 N91-16298
Attenuation of seismic waves in the near-source region
[AD-A226814] 08 p1176 N91-16475
A statistical survey of electron pitch angle distributions in the nightside central plasma sheet
[AD-A227763] 08 p1178 N91-16486
Seismic structure of the upper mantle under the Pacific Ocean 08 p1179 N91-16492
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
A finite difference approximation method for flexible flight structures 09 p1277 N91-17017
Guided waves in fiber-reinforced composite laminates
09 p1303 N91-17152
On the modeling and experimentation of electromagnetically coupled microstrip dipole arrays in a substrate-superstrate
[AD-A228707] 09 p1326 N91-17285
Multiple optical probing of high frequency semiconductor devices
[AD-A228842] 09 p1328 N91-17293
The use of holographic interferometry for measurements of temperature in a rectangular heat pipe
[NASA-CR-187424] 09 p1338 N91-17349
Storm induced changes of the topside ionosphere as deduced from incoherent scatter radars
[AD-A227899] 09 p1364 N91-17494
Recent developments in shock-capturing schemes
[NASA-CR-187502] 09 p1392 N91-17659
Computer simulations of radiation generation from relativistic electron beams
[AD-A228969] 09 p1396 N91-17683
Laboratory experiments on current flow between stationary and moving electrodes in magnetoplasmas
09 p1402 N91-17719
Surface impedance of high Tc superconductors
[AD-A228673] 09 p1410 N91-17761
Laboratory simulation of the rocket motor thrust as a follower force 10 p1474 N91-18124
Design of a scientific probe for obtaining Mars surface material 10 p1475 N91-18125
Energetic particle production, cavition formation, and nonlinear development at a plasma density maximum
[DE91-006683] 10 p1602 N91-18836
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
ELF detection of energetic particle precipitation
[AD-A230632] 12 p1887 N91-20375
Conversion of electrostatic and electromagnetic waves in a plasma at the peak of a parabolic density profile
[AD-A230560] 12 p1983 N91-20909
Using a microgravity environment to probe wave turbulence 13 p2063 N91-21355
Containerless synthesis of ceramic materials using microwave heating 13 p2063 N91-21360
Oscillational instabilities in single mode acoustics levitators 13 p2066 N91-21376
Volcanic aerosols: Chemistry, evolution, and effects
13 p2115 N91-21645
North Atlantic weather regimes: A synoptic study of phase space
[NASA-CR-188162] 13 p2121 N91-21673
Nonlinear symmetric instability and oscillations in the tropical atmosphere 13 p2121 N91-21674
Data assimilation and wind-stress error correction in a forced tropical ocean model 13 p2123 N91-21687
Data analysis for the Pioneer-Venus electric field detector
[NASA-CR-188099] 13 p2182 N91-22056
Physics of heavy ions (1989-1990)
[NASA-CR-188013] 14 p2283 N91-22627
Intraseasonal oscillations in the earth-atmosphere system 14 p2285 N91-22635
Origin and thermal evolution of Mars
[NASA-CR-188095] 14 p2353 N91-23011

Integrated multidisciplinary optimization of actively controlled fiber composite wings
15 p2383 N91-23190
Solid-phase equilibria for Metal-Silicon-Oxygen ternary systems. Part 2: Sc, Y, and La
[AD-A232150] 15 p2398 N91-23281
A statistical model of fractures
15 p2442 N91-23529
Development of a micromechanic theory of constitutive relations of polycrystalline solids
[AD-A232697] 15 p2448 N91-23559
The polar wind and ionospheric outflow
15 p2463 N91-23645
Processing problems in the IRUS queries: An empirical verification of problem coverage in the natural language sourcebook
[AD-A232780] 15 p2492 N91-23800
Luminescence and absorption spectra of C60 films
[AD-A232153] 15 p2508 N91-23900
X ray diffraction and electron spectroscopy of epitaxial molecular C60 films
[AD-A232152] 15 p2517 N91-23954
Radio and infrared studies of mass-losing evolved stars
15 p2532 N91-24026
Benchmarking text understanding systems to human performance: An exploration
[AD-A233306] 16 p2664 N91-24741
Human benchmarking of expert systems
[AD-A233601] 16 p2665 N91-24742
Human benchmarking of expert systems. Literature review
[AD-A233602] 16 p2665 N91-24743
Natural language sourcebook
[AD-A233005] 16 p2668 N91-24765
HyperCard database for the natural language sourcebook (user's manual)
[AD-A233307] 16 p2670 N91-24774
Artificial intelligence measurement system, overview and lessons learned
[AD-A233253] 16 p2676 N91-24810
The evaluation of expert system shells
[AD-A233496] 16 p2676 N91-24812
Designing a HyperCard database for the natural language sourcebook
[AD-A232946] 16 p2699 N91-24946
Perspectives on technology assessment
[AD-A232918] 16 p2700 N91-24953
Proceedings of the Conference on Technology Assessment: Estimating the Future
[AD-A233528] 16 p2700 N91-24954
The global distribution of Martian permafrost
17 p2912 N91-26076
Seismic analysis of the sun from intermediate and high-degree p-modes 17 p2918 N91-26105
Laser ionic multiphoton dissociation of some acrylate clusters
[AD-A233801] 18 p2945 N91-26247
Size dependence of gaseous cluster reactivity and evaporation dynamics as a mechanistic probe
[AD-A233811] 18 p2945 N91-26249
International collaboration program on innovative chemical processing of superior electronic and optical materials
[AD-A235030] 18 p2949 N91-26276
Laboratory modelling of the dynamics of coastal upwelling
[AD-A234987] 18 p3018 N91-26664
Intracellular physiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and effects of neuromodulators
[AD-A234442] 18 p3020 N91-26675
Peptide transport through the blood-brain barrier
[AD-A233753] 18 p3027 N91-26708
Expert system explanation: The user perspective
[AD-A233739] 18 p3034 N91-26749
Measurement expert system effectiveness
[AD-A234359] 18 p3044 N91-26807
Evaluation of expert systems: A review of the literature
[AD-A234360] 18 p3044 N91-26808
Science network resources: Distributed systems
18 p3079 N91-27021
Thermal and albedo mapping of the north and south polar regions of Mars 18 p3088 N91-27076
Electrostatic fields in a dusty Martian environment
18 p3089 N91-27078
A comparative assessment of system description methodologies and formal specification languages
[AD-A235923] 19 p3225 N91-27828
The structure of the cyclohexyl radical from state-selective photofragment translational spectroscopy of the axial and equatorial conformers of iodocyclohexane
[AD-A236769] 19 p3242 N91-27934
Explicit models for proportional damping in Timoshenko beams 20 p3365 N91-28642
High-temperature elasticity and Earth's upper mantle
20 p3372 N91-28679
An upper ocean model for the climatic aspects of air-sea interaction 20 p3374 N91-28691
Order reduction and synthesis of transfer function models 20 p3388 N91-28769
Quadrupole phenomena of noise from a subsonic jet impinging on a large, rigid, and flate plate
20 p3395 N91-28818
Continuing studies of the plasma beat wave accelerator
[DE91-013641] 20 p3422 N91-28976
Development of the microstructure based stochastic life prediction models
[AD-A237768] 21 p3481 N91-29312
The mixed metallic-ionic clusters of the silver/silver iodide
[AD-A237883] 21 p3482 N91-29314
Preparation and properties of new inorganic glasses and gel-derived solids
[AD-A238095] 21 p3489 N91-29360
Regional tectonic deformation in Southern California, inferred from terrestrial geodesy and the global positioning system 21 p3540 N91-29669
The relative stability and possible structural formulae of the negatively charged silver monoiodide clusters
[AD-A238398] 21 p3576 N91-29888
Nonlinear coupled rotor-fuselage vibration analysis and higher harmonic control studies for vibration reduction in helicopters 22 p3618 N91-30129
Despin of a dual-spin spacecraft with limited torque: Passage through precession phase lock resonance
22 p3629 N91-30196
Spectroscopic studies of graphite erosion in hydrogen and oxygen plasmas 22 p3643 N91-30277
The coupling of cumulus convection with large-scale processes 22 p3709 N91-30642
Quantum devices and structures using Si-based molecular beam epitaxy
[AD-A238374] 22 p3759 N91-30957
Query processing with database semantics
22 p3766 N91-30997
Extended far-infrared emission from evolved stars and planetary nebulae 22 p3773 N91-31042
Epitaxial growth and electro-optical properties of metal GaAs superlattices
[AD-A239719] 23 p3933 N91-31984
Control design variable linking for optimization of structural/control systems 24 p3963 N91-32144
Multiheteromacrocycles that complex metal ions
[DE91-016292] 24 p3975 N91-32205

CALIFORNIA UNIV., RIVERSIDE.
Lifetimes and fates of toxic air contaminants in California's atmosphere
[PB90-253204] 02 p0233 N91-11304
Identification and analysis of cosmic gamma ray bursts from Pioneer Venus Orbiter 02 p0296 N91-11657
Laboratory simulation of the magnetosphere, magnetotail reconnection and the study of field-aligned currents 22 p3706 N91-30626

CALIFORNIA UNIV., SAN DIEGO.
Stability of emission line clouds in active galactic nuclei 02 p0296 N91-11659
The ACRIM data in the context of stellar variability
03 p0446 N91-12494
Precision, accuracy, and tectonics from the Global Positioning System 05 p0687 N91-13822
Detection of a z=0.0515, 0.0522 absorption system in the QSO S4 0248+430 due to an intervening galaxy
05 p0761 N91-14228
Flare heating and ionization of the low solar chromosphere 06 p0930 N91-15116
Variability of latent and sensible heat fluxes over the oceans 08 p1188 N91-16531
Scaling dimensionally similar tokamak discharges to ignition
[DE90-010079] 08 p1225 N91-16749
InGaAs/InAlAs lattice-mismatched heterojunction insulated-gate field effect transistors grown on GaAs
09 p1412 N91-17773
Neural network representation and learning of mappings and their derivatives 13 p2140 N91-21780
Bibliographic search of the literature on lunar processing 17 p2750 N91-25218
High-strain-rate plastic flow in metallic single crystals
17 p2758 N91-25267
An experimental study of the origin of oblique vortex shedding from two-dimensional bluff bodies
17 p2774 N91-25354
The near-field dynamics and entrainment field of submerged and near-surface jets
17 p2775 N91-25357
Multiple taper spectral analysis of earth rotation data
17 p2810 N91-25532
Array measurements of surface gravity waves
17 p2815 N91-25560
Hydrogen line diagnostics in impulsive flares
17 p2889 N91-25973

CALIFORNIA UNIV., SAN DIEGO, LA JOLLA.
A new beam theory using first-order warping functions
01 p0051 N91-10307
Comparison of NASTRAN analysis with ground vibration results of UH-60A NASA/AEFA test configuration
[NASA-CR-184565] 01 p0056 N91-10333
Large motions of the magnetization in magnetically ordered media
[AD-A226084] 04 p0578 N91-13221
Parallel Ada benchmarks for the SVMS
[NASA-CR-182453] 05 p0704 N91-13929
Investigations of equilibria, lattices, and chaotic dynamics of 2-D Hamiltonian point vortices
[AD-A227364] 06 p0827 N91-14570
Mechanics of interface cracks
[AD-A227579] 08 p1105 N91-16067
Current collection from an unmagnetized plasma: A tutorial 09 p1401 N91-17714
Current collection in an anisotropic plasma
09 p1402 N91-17717
Physics and technology of III-V pseudomorphic structures
[AD-A229275] 09 p1413 N91-17778
Mechanisms of combustion of hydrocarbon/alcohol fuel blends
[AD-A230709] 12 p1866 N91-20255
The production and modification of ionospheric irregularities by powerful HF radio transmissions
[AD-A230766] 12 p1888 N91-20381
Research on materials and components for opto-electronics signal processing and computing
[AD-A230071] 12 p1980 N91-20895
Pure electron plasmas near thermal equilibrium
[AD-A230627] 12 p1983 N91-20910
Sources of anisotropy in amorphous magnetic thin films
[AD-A230542] 12 p1990 N91-20955
Array measurements of surface gravity waves
[AD-A233318] 16 p2661 N91-24723
Heart-lung interactions in aerospace medicine
17 p2819 N91-25576
Proceedings of the First Workshop on 3-D Optical Memories
[AD-A234732] 18 p3076 N91-27003
Development of load-dependent Ritz vector method for structural dynamic analysis of large space structures
18 p3096 N91-27111
Theories of turbulent combustion in high speed flows
[AD-A236652] 19 p3127 N91-27275
Compensating-stress InAs quantum wells for high-performance electronic devices
[AD-A236073] 19 p3253 N91-27998
Development of a mixture for nonlinear wave propagation in fiber-reinforced composites
[AD-A237471] 21 p3470 N91-29243
Monolith catalysts for closed-cycle carbon dioxide lasers
[NASA-CR-188726] 22 p3681 N91-30500
Statistical description of tectonic motions
[NASA-CR-188775] 22 p3707 N91-30634
COSMOS 2044: Lung morphology study, experiment K-7-28
[NASA-CR-187711] 22 p3713 N91-30668
Nonlinear stability in fluids and plasma dynamics-conformal quasi-conformal geometry: Iteration, distoration, dynamics, and circle packing
[AD-A229469] 22 p3755 N91-30934

CALIFORNIA UNIV., SAN FRANCISCO.
The role of calcium in osteoporosis
17 p2818 N91-25572
The effect of catecholamines on arterial blood pressure and heart rate
[AD-A234755] 18 p3028 N91-26720
Synthesis of a self-assembling supramolecular lattice
[AD-A236358] 19 p3158 N91-27461

CALIFORNIA UNIV., SANTA BARBARA.
Reduction of thermal stresses in continuous fiber reinforced metal matrix composites with interface layers
[NASA-CR-185302] 01 p0023 N91-10133
Materials with periodic internal structure: Computation based on homogenization and comparison with experiment
[NASA-CR-185303] 03 p0379 N91-12117
Quantum coherence of a narrow band interacting with phonons and static disorder
[AD-A224658] 03 p0416 N91-12324
Investigation of InP processing techniques for device applications
[AD-A225090] 03 p0423 N91-12370
AlSb/InAs/AlSb quantum wells
06 p0799 N91-14411
Optimization of interface layers in the design of ceramic fiber reinforced metal matrix composites
[NASA-CR-185307] 06 p0801 N91-14422

Simplicial lattice methods in cosmology
07 p1084 N91-15962
Improved approximations for static stress constraints in shape optimal design of shell structures
09 p1351 N91-17422
Exact theory of one-phonon amplitudes in diffractive atom-surface scattering
[AD-A228928] 09 p1395 N91-17678
Partitioning reactions to control and develop unique microstructures
[AD-A229029] 09 p1413 N91-17775
Stability analysis of finite difference approximations to hyperbolic systems and problems in applied and computational matrix and operator theory
[AD-A230543] 12 p1971 N91-20842
New kinds of quantum wells
[AD-A230346] 12 p1989 N91-20943
Tractable high performance polymers
[AD-A231072] 13 p2057 N91-21320
Molecular beam epitaxial growth and electronic properties of GaP-on-Si (211) heterostructures, and of related systems
[AD-A231125] 13 p2162 N91-21921
Quantitative assessment of the slope resolution of seafloor mapping systems
[AD-A231776] 14 p2292 N91-22676
Exact theory of long-wavelength one-phonon amplitudes in atom-surface scattering
[AD-A231661] 14 p2323 N91-22831
Slow motion approximations in general relativity
14 p2337 N91-22922
High quality three dimensional electron gases in semiconductors
[AD-A232779] 15 p2420 N91-23406
Mechanical characterization and modeling of non-linear deformation and fracture of a fiber reinforced metal matrix composite
[NASA-CR-187131] 17 p2746 N91-25193
Effect of surface forces on the rheology of particle-liquid systems and the consolidation of ceramic powders
[AD-A234375] 18 p2941 N91-26221
The chemistry of sodium with sulfur in flames
[DE91-002060] 18 p2952 N91-26288
Metal/ceramic interfaces: Relationships between structures, chemistry, and interfaces
[AD-A235713] 19 p3118 N91-27229
Mechanical behavior of a continuous fiber reinforced aluminum matrix composite subjected to transverse and thermal loading
[NASA-CR-187132] 19 p3121 N91-27243
Molecular biology of the photoregulation of photosynthetic light-harvesting complexes in marine dinoflagellates
[AD-A236623] 19 p3209 N91-27739
Polymers at surfaces
[DE91-011000] 20 p3322 N91-28392
Polymers at surfaces
[DE91-013642] 20 p3328 N91-28430
The embedded electron-gas boundary: A new standard problem in surface physics
[AD-A238152] 21 p3597 N91-30014
Bifurcations and patterns in non-linear dissipative systems
[DE91-017402] 24 p4112 N91-32984

CALIFORNIA UNIV., SANTA CRUZ.
Observations and interpretation of the infrared emission from supernova SN1987A 02 p0287 N91-11611
Numerical calculations of the formation and evolution of giant planets with rotation 02 p0293 N91-11643
A study of the structure and kinematics of the narrow-line region in Seyfert galaxies 03 p0436 N91-12441
Evolutionary scenarios for low-mass stars and substellar brown dwarfs 03 p0437 N91-12443
Dynamics of gravitational systems: Globular clusters and dark matter halos 03 p0437 N91-12445
Thermal instabilities in protogalactic clouds
05 p0753 N91-14195
Viscoelastic deformation near active plate boundaries
[NASA-CR-188043] 12 p1922 N91-20572
UV-optical from space 24 p4119 N91-33021

CALSPAN ADVANCED TECHNOLOGY CENTER, BUFFALO, NY.
Description of the bistatic radar terrain measurements system equipment
[AD-A226808] 06 p0818 N91-14517
The flying qualities influence of delay in the fighter pilot's cuing environment 15 p2371 N91-23120

CALSPAN-BUFFALO UNIV. RESEARCH CENTER, NY.
Intelligent multi-media integrated interface project
[AD-A225973] 09 p1389 N91-17640
Pulse compression of 100 picosecond pulses at 1.319 microns
[AD-A232552] 15 p2508 N91-23901
Heat-transfer and surface-pressure measurements for the SSME fuel-side turbopump turbine
16 p2587 N91-24335
Strategies for parallel AI implementations
[AD-A234449] 18 p3045 N91-26811
Lithium niobate arithmetic logic unit
[AD-A236062] 19 p3245 N91-27949
Discretionary security for object-oriented database systems
[AD-A237573] 21 p3553 N91-29740

CALSPAN CORP., ARNOLD AFS, TN.
Investigation of the influence of constant adverse pressure gradients on laminar boundary-layer stability at Mach number 8
[AD-A228231] 08 p1143 N91-16293
AEDC focal plane array test capability
[AD-A230846] 13 p2071 N91-21408
Aero-optics measurement system for the AEDC aero-optics test facility
[AD-A232852] 15 p2510 N91-23908

CALSPAN CORP., SAN DIEGO, CA.
Constant-current stagnation-point film-anemometer probe
[AD-A231048] 13 p2090 N91-21501

CALSPAN FIELD SERVICES, INC., ARNOLD AFS, TN.
User's guide to CUNIFLOW
[AD-A207606] 01 p0001 N91-10004
Infrared sensor test methodology and facilities
11 p1659 N91-19139
Space chambers contamination diagnostics and analysis
[AD-A230248] 12 p1851 N91-20174
Carina aerothermal test at Mach 8
[AD-A238561] 21 p3465 N91-29218

CALSPAN-STATE UNIV. OF NEW YORK JOINT VENTURE, BUFFALO, NY.
Development of BEM for ceramic composites
[NASA-CR-187676] 05 p0641 N91-13557
Interaction of feel system and flight control system dynamics on lateral flying qualities
[NASA-CR-179445] 06 p0785 N91-14353

CAMBRIDGE RESEARCH AND INSTRUMENTATION, INC., MA.
The program on radiative inputs of the sun to the Earth (rise) 03 p0442 N91-12473

CAMBRIDGE UNIV. (ENGLAND).
IUE observations of dwarf novae
09 p1430 N91-17872
Are quasars different 09 p1431 N91-17878
Processing of mixed oxide superconductors
[AD-A229845] 12 p1990 N91-20954
The James Clerk Maxwell telescope
13 p2178 N91-22031
Acquisition and processing of information during states of Rapid Eye Movement (REM) sleep and slow-wave sleep
[AD-A231772] 14 p2298 N91-22705
Basic mechanisms of diesel lubrication correlation of bench and engine tests
[AD-A237685] 21 p3527 N91-29596
Proceedings of the 11th Symposium on Gas Kinetics
[AD-A229490] 22 p3671 N91-30442

CANADAIR LTD., MONTREAL (QUEBEC).
The role of analysis in the design and qualification of composite aircraft structures 16 p2646 N91-24648

CANADIAN ASTRONAUTICS LTD., OTTAWA (ONTARIO).
Composite waveguide coupling aperture having a thickness dimension
[PATENT-1-259-401] 23 p3858 N91-31514

CANADIAN FORCES BASE COLD LAKE, MEDLEY (ALBERTA).
A Canadian female CF-18 pilot's experience
02 p0244 N91-11360
Low temperature environment operations of turbo engines 23 p3792 N91-31146

CANADIAN FORCES HEADQUARTERS, OTTAWA (ONTARIO).
Climatic considerations in the life cycle management of the CF-18 engine 23 p3793 N91-31158

CANADIAN GENERAL ELECTRIC CO. LTD., TORONTO (ONTARIO).
Ventral segmented nozzles
[CA-PATENT-APPL-SN-2-009-636]
23 p3796 N91-31176

CANADIAN INST. FOR THEORETICAL ASTROPHYSICS, TORONTO (ONTARIO).
Star formation in proto dwarf galaxies
05 p0757 N91-14212

CANADIAN SPACE AGENCY, OTTAWA (ONTARIO).
Investigation of a large cryopump subjected to thermal cycling 07 p0952 N91-15231
Design and fabrication of a seismic mass
07 p0955 N91-15255

CARLETON UNIV., OTTAWA (ONTARIO).
Dynamics modeling and adaptive control of flexible manipulators 14 p2231 N91-22342

CARLOW ASSOCIATES, INC., FAIRFAX, VA.
Human factors engineering. Part 1: Test procedures
[AD-A226480] 06 p0855 N91-14720

CARNEGIE INST. OF TECH., PITTSBURGH, PA.
Fundamentals of interfacial strength in composite materials
[AD-A226701] 06 p0803 N91-14431
Structural and acidic properties of niobia-silica and niobia-alumina aerogels
[AD-A235864] 19 p3124 N91-27261

CARNEGIE INSTITUTION OF WASHINGTON, DC.
Three-dimensional evolution of early solar nebula
14 p2345 N91-22963
Formation of the terrestrial planets from planetesimals
14 p2345 N91-22968

CARNEGIE-MELLON UNIV., PITTSBURGH, PA.
Prediction of the ultimate tensile strength of a fiber-reinforced ceramic 03 p0326 N91-11810
Optimal phase-only filters
[AD-A225312] 03 p0360 N91-12019
Qualitative reasoning: How we think our way through the day
[AD-A225646] 03 p0397 N91-12204
An investigation of the role of second phase particles in the design of ultra high strength steels of improved toughness
[AD-A226056] 04 p0504 N91-12798
Controlling search dynamics by manipulating energy landscapes
[AD-A225719] 04 p0553 N91-13068
Phonological rule induction: An architectural solution
[AD-A225797] 04 p0562 N91-13117
Problem-solving transfer among programming languages
[AD-A225798] 04 p0562 N91-13118
Goal reconstruction: How teton blends situated action and planned action
[AD-A225578] 04 p0569 N91-13159
Modelling human cognitive development with explanation-based learning in SOAR
[AD-A225612] 04 p0569 N91-13160
Switch: A simulation of representational change in the mutilated checkerboard problem
[AD-A225720] 04 p0570 N91-13162
Learning the structure of event sequences
[AD-A225722] 04 p0570 N91-13163
Using an intelligent tutor to study skill acquisition
[AD-A225763] 04 p0570 N91-13164
A connectionist model of attentional enhancement and signal buffering
[AD-A225799] 04 p0570 N91-13165
The mathematical bases for qualitative reasoning
[AD-A225718] 04 p0572 N91-13178
Validation environment for AIPS/ALS: Implementation and results
[NASA-CR-4340] 05 p0705 N91-13930
Experiences porting the distributed Ada real-time kernel
[AD-A226693] 06 p0859 N91-14742
National software capacity: Near-term study
[AD-A226694] 06 p0859 N91-14743
DARK technology transition plan
[AD-A226695] 06 p0859 N91-14744
Classifying software design methods
[AD-A226696] 06 p0859 N91-14745
An analysis of input/output paradigms for real-time systems
[AD-A226724] 06 p0860 N91-14748
The role of assessment in software process improvement
[AD-A227426] 06 p0862 N91-14762
Planning the behavior of dynamical systems
[AD-A227381] 06 p0866 N91-14788
Equilibrium composition of interphase boundaries
[DE91-002470] 06 p0871 N91-14814
Thermal imaging for robotic applications in outdoor scenes
[NASA-CR-187748] 07 p1022 N91-15612
Improved disparity map analysis through the fusion of monocular image segmentations
07 p1024 N91-15623
Fusion of monocular cues to detect man-made structures in aerial imagery 07 p1025 N91-15624
Reading computer programs: Instructor's guide to exercises
[AD-A228026] 07 p1052 N91-15775
On the control of automatic processes: A parallel distributed processing account of the Stroop effect
[AD-A225617] 07 p1054 N91-15790
Explanation-based learning of correctness: Towards a model of the self-explanation effect
[AD-A225644] 07 p1054 N91-15791
Two pseudo-students: Applications of machine learning to formative evaluation
[AD-A225645] 07 p1054 N91-15792

Generating space telescope observation schedules
[NASA-CR-187843] 07 p1081 N91-15947
Implementing sporadic servers in Ada
[AD-A226723] 08 p1198 N91-16584
Understanding the adoption of Ada: Results of an industry survey
[AD-A226725] 08 p1198 N91-16585
Hartstone benchmark results and analysis
[AD-A226817] 08 p1198 N91-16587
National software capacity: Near-term study executive summary
[AD-A227564] 08 p1199 N91-16590
Decentralized real-time scheduling
[AD-A227856] 08 p1201 N91-16604
Kernal facilities definition, Kernel version 3.0
[AD-A228027] 08 p1202 N91-16610
Linear-time separation algorithms for the three-index assignment polytope
[AD-A228854] 08 p1205 N91-16626
The role of ledges in phase transformations
[AD-A228750] 08 p1237 N91-16821
Improvement of bulk and epitaxial III-V semiconductors for solar cells by creation of denuded recombination zones
[DE90-000387] 10 p1540 N91-18478
Experimental medium energy physics
[DE91-005779] 10 p1592 N91-18777
The role of microstructural phenomena in magnetic thin films
[DE91-006797] 10 p1608 N91-18873
The effect of elastic stress on Ostwald ripening phenomena
[DE91-008034] 11 p1722 N91-19484
Plasma assisted NO(x) reduction in existing coal combustors
[DE91-007380] 11 p1734 N91-19536
Software development environments: Status and trends 11 p1774 N91-19723
High-temperature metal matrix composites
[AD-A230024] 12 p1862 N91-20229
Fundamental studies of beta phase decomposition modes in titanium alloys
[AD-A230550] 12 p1870 N91-20276
Integrated system for single leg walking
[NASA-CR-188072] 12 p1879 N91-20329
Integrated mobile robot control
[NASA-CR-188073] 12 p1879 N91-20330
Concurrent planning and execution for a walking robot
[NASA-CR-188074] 12 p1880 N91-20331
A simple 5-DOF walking robot for space station application 12 p1936 N91-20653
Perception, planning, and control for walking on rugged terrain 12 p1937 N91-20654
A perception and manipulation system for collecting rock samples 12 p1939 N91-20669
The 3-D object pose determination using complex EGI
[AD-A230112] 12 p1969 N91-20832
Optical neural nets for scene analysis
[AD-A229794] 12 p1981 N91-20900
Exploiting local flexibility during execution of pre-computed schedules
[AD-A230114] 12 p1994 N91-20978
Commercialization of MAGLEV technology
[PB91-121087] 12 p2000 N91-21009
Experimental and theoretical studies of vertical annular liquid jets
[DE91-008042] 13 p2080 N91-21461
Using artificial intelligence to aid in the development of causal models
[AD-A231273] 13 p2142 N91-21794
Numerical analysis and computation of nonlinear partial differential equations from applied mathematics
[AD-A231188] 13 p2144 N91-21806
Software engineering activities at SEI (Software Engineering Institute) 14 p2303 N91-22726
Prototyping distributed simulation networks 14 p2304 N91-22727
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 1
[AD-A232289] 15 p2414 N91-23369
Decentralized computing technology for fault-tolerant, survivable C3I systems, volume 2
[AD-A232290] 15 p2414 N91-23370
Decentralized computing technology for fault-tolerant, survivable C3I systems. Volume 3: System/subsystem specification
[AD-A232291] 15 p2414 N91-23371
On kinematic design of serial link manipulators
[DE91-009414] 15 p2437 N91-23499
Steps toward environmentally compatible product and process design: A case for green engineering
[AD-A232888] 15 p2460 N91-23633
Towards real-time GOMS
[AD-A232028] 15 p2486 N91-23763
Classification using multi-layered perceptrons
[AD-A232810] 15 p2492 N91-23802
A distributed problem-solving approach to rule induction: Learning in distributed artificial intelligence systems
[AD-A232822] 15 p2492 N91-23803
The effect of hydrogen on the deformation behavior of a single crystal nickel-base superalloy 16 p2583 N91-24316
Mathematical programming and logical inference
[AD-A232955] 16 p2668 N91-24764
A 3D-object reconstruction system integrating range-image processing and rapid prototyping
[AD-A233577] 16 p2671 N91-24783
Maximization of mutual information in a context sensitive neural network 16 p2674 N91-24798
Intelligent scheduling with machine learning capabilities: The induction of scheduling knowledge
[AD-A232943] 16 p2675 N91-24804
Path generation for robot vehicles using composite clothoid segments
[AD-A232947] 16 p2675 N91-24805
Real-time vision for robot swat-juggling
[AD-A233010] 16 p2675 N91-24807
Studies involving the synthesis and characterization of high energy magnet materials
[AD-A233081] 16 p2681 N91-24842
Fundamentals of mechanical behavior in intermetallic compounds
[AD-A235016] 18 p2954 N91-26301
Catalysts and initiators as instruments controlling structure of polymers with inorganic backbone
[AD-A235350] 18 p2965 N91-26368
Polysilanes, synthesis, modification, and properties
[AD-A235351] 18 p2965 N91-26369
Synthesis and characterization of polysilanes
[AD-A235357] 18 p2965 N91-26370
Preparation of inorganic and organometallic polymers with controlled structures
[AD-A235359] 18 p2966 N91-26371
Anionic ring-opening polymerization of cyclotetrasilanes
[AD-A235360] 18 p2966 N91-26372
Dynamics of face and annular seals with two-phase flow
[NASA-CR-4256] 18 p2984 N91-26479
The weighted uni-dimensional similarities problem with least absolute value metric is NP-Hard
[AD-A235060] 18 p3051 N91-26849
Singular and bang-bang stochastic control
[AD-A234752] 18 p3053 N91-26861
The Uranus mobile robot
[AD-A236593] 19 p3175 N91-27553
Experimental characterization of the perceptron laser rangefinder
[NASA-CR-188676] 19 p3175 N91-27554
A composite discrete/continuous control of robot manipulators
[AD-A236642] 19 p3175 N91-27555
TORCS: A teleoperated robot control system for the self mobile space manipulator
[AD-A236821] 19 p3175 N91-27556
Transaction-oriented configuration management: A case study
[AD-A235510] 19 p3218 N91-27788
Tool version management technology: A case study
[AD-A235639] 19 p3219 N91-27792
CASE tool integration and standardization
[AD-A235640] 19 p3219 N91-27793
Rate monotonic analysis for real-time systems
[AD-A235641] 19 p3219 N91-27794
User interface development
[AD-A235699] 19 p3219 N91-27795
Understanding program dependencies
[AD-A235700] 19 p3219 N91-27796
Software design methods for real-time systems
[AD-A235701] 19 p3220 N91-27797
Software configuration management
[AD-A235702] 19 p3220 N91-27798
Studying software architecture through design spaces and rules
[AD-A235737] 19 p3220 N91-27799
Hartstone benchmark user's guide, version 1.0
[AD-A235740] 19 p3220 N91-27800
Prospects for an engineering discipline of software
[AD-A235751] 19 p3220 N91-27801
Generic avionics software specification
[AD-A235752] 19 p3221 N91-27802
Spectrum of functionality in configuration management systems
[AD-A235753] 19 p3221 N91-27803
Formal verification of programs
[AD-A235775] 19 p3221 N91-27805
STARS/Users Workshop: Issues for discussion groups
[AD-A235776] 19 p3221 N91-27806
APSE interactive monitor: A software artifact for software engineering education
[AD-A235777] 19 p3221 N91-27807
User interface software structures
[AD-A235778] 19 p3222 N91-27808
Software maintenance exercises for a software engineering project course
[AD-A235779] 19 p3222 N91-27809
Rationale for SQL Ada module description language SAMeDL
[AD-A235780] 19 p3222 N91-27810
The SQL Ada module description language SAMeDL
[AD-A235781] 19 p3222 N91-27811
Configuration management models in commercial environments
[AD-A235782] 19 p3222 N91-27812
Informatics for a new century: Computing education for the 1990s and beyond
[AD-A235783] 19 p3223 N91-27813
Software engineering process group guide
[AD-A235784] 19 p3223 N91-27814
Feature-Oriented Domain Analysis (FODA) feasibility study
[AD-A235785] 19 p3223 N91-27815
Support materials for user interface development
[AD-A235835] 19 p3225 N91-27824
Assurance of software quality
[AD-A235924] 19 p3225 N91-27829
Software development using VDM
[AD-A235996] 19 p3226 N91-27830
Software engineering institute quarterly update, January-March 1991
[AD-A236099] 19 p3227 N91-27838
Introduction to software verification and validation
[AD-A236117] 19 p3227 N91-27839
Introduction to software design
[AD-A236118] 19 p3227 N91-27840
Unit testing and analysis
[AD-A236119] 19 p3227 N91-27841
Models of software evolution: Life cycle and process
[AD-A236120] 19 p3228 N91-27842
Support materials for the software technical review process
[AD-A236122] 19 p3228 N91-27843
Intellectual property protection for software
[AD-A236125] 19 p3228 N91-27844
Optical neural nets for scene analysis
[AD-A235955] 19 p3245 N91-27948
Balancing antagonistic time and resource utilization constraints in over-subscribed scheduling problems
[NASA-CR-188677] 19 p3259 N91-28025
A methodology to determine the dynamic configuration of a reconfigurable manipulator
[DE91-010732] 20 p3354 N91-28576
Stochastic plans for robotic manipulation 20 p3357 N91-28597
Support materials for formal specification of software
[AD-A236121] 20 p3383 N91-28742
The software technical review process
[AD-A236139] 20 p3383 N91-28743
Software metrics
[AD-A236140] 20 p3383 N91-28744
A design space and design rules for user interface software architecture
[AD-A237049] 20 p3384 N91-28748
Modeling of a 3-D light-weight space manipulator
[AD-A236823] 21 p3526 N91-29586
Environmental effects in niobium base alloys and other selected intermetallic compounds
[AD-A237535] 21 p3538 N91-29658
The functional architecture of visual object recognition
[AD-A238617] 21 p3551 N91-29732
An exact algorithm for funding undirected Hamiltonian cycles based on a two-matching problem relaxation
[AD-A237241] 21 p3555 N91-29753
An exact two-matching based branch and bound algorithm for the symmetric traveling salesman problem
[AD-A237878] 21 p3566 N91-29823
Multitarget tracking using optical processing
[AD-A237107] 21 p3581 N91-29918
Multitarget tracking using optical processing
[AD-A239656] 23 p3928 N91-31953
A unified motion planning approach for redundant and nonredundant manipulators with actuator constraints 24 p4025 N91-32494

CASDE CORP., ARLINGTON, VA.
Inelastic deformation of plate panels
[AD-A236662] 22 p3691 N91-30550

CASE WESTERN RESERVE UNIV., CLEVELAND, OH.
Low temperature synthesis of CaO-SiO2 glasses having stable liquid-liquid immiscibility by sol-gel process
[NASA-CR-185293] 03 p0325 N91-11806
Nanomechanics of thin films
[AD-A225180] 03 p0423 N91-12371
Solid fuel combustion
[AD-A227170] 06 p0814 N91-14496
Chemical vapor deposition modeling: An assessment of current status
[NASA-CR-185301] 06 p0817 N91-14511

Catalytic ignition model in a monolithic reactor with in-depth reaction
[NASA-CR-187791] 07 p0978 N91-15367
Modeling and identification of cumulative creep fatigue damage in an austenitic stainless steel
08 p1116 N91-16131
Development of a versatile laser light scattering instrument
[NASA-CR-182474] 08 p1153 N91-16350
Experimental study of boundary layer transition with elevated freestream turbulence on a heated flat plate
[NASA-CR-187068] 09 p1337 N91-17341
O-THREE: A high altitude, remotely piloted vehicle
10 p1481 N91-18164
Graphite/copper alloy interfacial energies determined using the sessile drop method
[NASA-CR-187087] 12 p1871 N91-20284
Molecular engineering of liquid crystalline polymers by living polymerization. 10: Influence of molecular weight on the phase transitions of poly(omega-((4-cyano-4'-biphenyl)oxy)alkyl vinyl ether)s with nonyl and decanyl alkyl groups
[AD-A229768] 12 p1874 N91-20301
Molecular engineering of liquid crystalline polymers by living polymerization. 9: Living cationic polymerization of 5-((4-cyano 4'-biphenyl)oxy)pentyl vinyl ethers and 7-((4-cyano 4'-biphenyl)oxy)heptyl vinyl ether and the mesomorphic behavior of the resulting polymers
[AD-A229769] 12 p1874 N91-20302
Molecular engineering of liquid crystalline polymers by living polymerization. 8: Influence of molecular weight on the phase behavior of poly(omega-((4-cyano 4'biphenyl)oxy)alkyl vinyl ether)s with ethyl, propyl, and butyl alkyl groups
[AD-A229770] 12 p1875 N91-20303
Molecular engineering of liquid crystalline polymers by living polymerization. 7: Influence of copolymer composition on the phase behavior of poly(11-((4-cyano-4'biphenyl)oxy)undecanyl vinyl ether-co-2-((4-cyano-4'-biphenyl)oxy)ethyl vinyl ether)
[AD-A229771] 12 p1875 N91-20304
Molecular engineering of liquid crystalline polymers by living polymerization. 6: Influence of molecular weight on the phase transitions of a 1/1 copolymer of 2-((4-cyano 4'-biphenyl)oxy)ethyl vinyl ether and 8-((4-cyano 4'-biphenyl)oxy)octyl vinyl ether
[AD-A229772] 12 p1875 N91-20305
Molecular engineering of liquid crystalline polymers by living polymerization. 5: Synthesis and mesomorphic behavior of poly(2-(4-cyano-4'-biphenyl)oxy)ethyl vinyl ether-co-8-(4-co-4'-biphenyl)oxy)octyl vinyl ether)
[AD-A229773] 12 p1875 N91-20306
The transition of ground-based space environmental effects testing to the space environment
12 p1952 N91-20738
High energy dense ribbon beams and high harmonic gyrotron at millimeter wavelengths
[AD-A232839] 15 p2432 N91-23470
Transport and nucleation processes in the vapor growth of diamond
[AD-A232135] 15 p2517 N91-23953
Analysis of the transient calibration of heat flux sensors: One dimensional case 16 p2584 N91-24323
A numerical study of floating zone crystal growth under microgravity 17 p2764 N91-25301
Spectral and correlation analysis with applications to middle-atmosphere radars 18 p3010 N91-26619
An induction time approach to surface induced crystallization in polyethylene/poly (e-caprolactone) melt
[AD-A235102] 18 p3070 N91-26964
Microwave properties of high transition temperature superconducting thin films
[NASA-CR-185842] 18 p3072 N91-26976
Surface induced crystallization in fiber reinforced semicrystalline thermoplastics composites
[AD-A236591] 19 p3120 N91-27238
Development of graphite/copper composites utilizing engineered interfaces
[NASA-CR-187143] 19 p3121 N91-27242
In situ FTIR study of CO2 reduction on polycrystalline platinum in acid solutions
[AD-A235565] 19 p3123 N91-27253
An infrared analysis of the effect of composition of n-butyl triethoxysilane and gamma-amino propyl triethoxysilane blends on tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235840] 19 p3124 N91-27258
The 29Si solid state NMR studies of the effect of composition of amine and alkyl silane blends in tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235841] 19 p3124 N91-27259
An infrared analysis of the effect of composition of silane blends of amino and alkyl silane blends in tertiary amine-catalyzed anhydride-cured epoxy mixtures
[AD-A235842] 19 p3124 N91-27260
Investigation of phenomena related to D2O electrolysis at a palladium cathode
[AD-A236409] 19 p3126 N91-27272
Properties of anhydride-cured epoxy filled with silica treated with silane blends of amino and alkyl end groups
[AD-A235981] 19 p3140 N91-27353
In-situ spectroscopic studies of redox active self-assembled monolayers on gold electrode surfaces
[AD-A235564] 19 p3157 N91-27452
Synthesis and characterization of poly(methylsiloxane)s containing 4-(S(-)-2-methyl-1-butoxy) 4'-(p-(omega-alkan-1-yloxy)benzoyloxy) ene side groups
[AD-A235786] 19 p3251 N91-27984
Synthesis and characterization of poly(methylsiloxane)s containing 5-(S(-)-2-methyl-1-butyl) 2-(4-(11-undecan-1-yloxy)phenyl) 1,3,2-dioxaborinane and 2-(4-(S(-) 2-methyl-1-butoxy)phenyl) 5-(11-undecan-1-yl) 1,3,2-dioxaborinane constitutional isomeric side groups
[AD-A235787] 19 p3251 N91-27985
Synthesis and characterization of polymethacrylates, polyacrylates, and poly(methylsiloxane)s containing 4-(S(-)-2-methyl-1-butoxy) -methylstilbene side groups
[AD-A235788] 19 p3251 N91-27986
Molecular engineering of liquid crystal polymers by living polymerization. Part 15: Molecular design of reentrant nematic mesophases in binary copolymers of omega-(4-cyano-4'-biphenyl)oxy)alkyl vinyl ethers
[AD-A235789] 19 p3251 N91-27987
Engineering of liquid crystalline polymers by living polymerization. Part 12: Synthesis and living cationic polymerization of 4-(S(-)-2-methyl-1-butoxy) 4'-(omega-oxyalkyl-1-vinyl ether)-alpha-methylstilbene with octyl and hexyl alkyl groups
[AD-A235790] 19 p3252 N91-27988
Molecular engineering of liquid crystal polymers by living polymerization. Part 13: Synthesis and living cationic polymerization of 4-((S(-)-2-methyl-1-butyl)oxycarbonyl) 4'-(omega-oxyalkyl-1-vinyl ether)biphenyl with undecanyl and hexyl alkyl groups
[AD-A235791] 19 p3252 N91-27989
Molecular engineering of liquid crystal polymers by living polymerization. Part 14: Synthesis and characterization of binary copolymers of omega-4-cyano-4'-biphenyl)oxyalkyl vinyl ethers containing undecanyl and hexyl, pentyl, and propyl, and undecanyl and propyl pairs of alkyl groups
[AD-A235909] 19 p3252 N91-27992
Molecular engineering of liquid crystal polymers by living polymerization. Part 11: Synthesis and characterization of poly(11-((4-cyano 4'trans-a-cyanostilbene)oxy)undecanyl vinyl ether)
[AD-A235963] 19 p3253 N91-27995
Processing, compatibility and oxidation of diboride-reinforced oxide matrix composites for ultrahigh-temperature applications
20 p3305 N91-28294
ICE System: Interruptible control expert system
[NASA-CR-186966] 22 p3723 N91-30721
Electron microscopy to correlate cell structures and biochemical activity
[AD-A239640] 23 p3898 N91-31758
I-BIEM calculations of the frequency dispersion and AC current distribution at disk and ring-disk electrodes
24 p4037 N91-32559

CASTING ANALYSIS CORP., WEYERS CAVE, VA.
Multiple sensor multifrequency eddy current monitor for solidification and growth 13 p2064 N91-21362

CATANIA ASTROPHYSICAL OBSERVATORY (ITALY).
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390

CATERPILLAR TRACTOR CO., PEORIA, IL.
Heavy duty liquid and gaseous fuel emissions database test results from four alternative fuel configurations of the Caterpillar 3406 engine
[DE90-014783] 01 p0048 N91-10288
Direct gas injection with glow plug ignition
[PB91-136390] 15 p2397 N91-23272

CATHOLIC UNIV., SANTIAGO (CHILE).
Dynamics of groups around interacting double ellipticals: Measuring dark matter haloes 08 p1245 N91-16863

CATHOLIC UNIV. OF AMERICA, WASHINGTON, DC.
Hot interstellar gas and ionization of embedded clouds
05 p0746 N91-14161
Ionization in the local interstellar and intergalactic media 05 p0765 N91-14249
Analysis and design of a six-degree-of-freedom Stewart platform-based robotic wrist
[NASA-CR-187660] 09 p1298 N91-17123
Development of advanced control schemes for telerobot manipulators
[NASA-CR-184930] 09 p1347 N91-17402
Physical and computational investigation of the wall pressure fluctuations in a channel flow
10 p1523 N91-18385
Optical instrumentation and study of gas-solid suspension flows
[DE91-005533] 10 p1526 N91-18401
Studies of combustion kinetics and mechanisms
[DE91-007829] 11 p1680 N91-19259
An experimental investigation of velocity field and wall pressure fluctuations in turbulent flows
14 p2262 N91-22516
Long-term prediction test procedure for most ICs, based on linear response theory
[NASA-CR-185843] 18 p2981 N91-26462
Experimental study of trajectory planning and control of a high precision robot manipulator
[NASA-CR-188660] 19 p3174 N91-27547
A study of space-rated connectors using a robotic end-effector
[NASA-CR-188776] 22 p3689 N91-30536
Extracting STEP geometry and topology from a solid modeler: Parasolid-to-STEP
[PB91-194449] 22 p3749 N91-30897
Ultraviolet morphology of NGC 1068: The starburst knots and the extended emission region
23 p3937 N91-32004
Temporal and spectral features of wall pressure fluctuations beneath a turbulent boundary layer
24 p4018 N91-32461

CBI NA-CON, OAK BROOK, IL.
Optical testing cryogenic thermal vacuum facility
11 p1658 N91-19137

CBY ASSOCIATES, INC., WASHINGTON, DC.
Solar energy and conservation technologies for Caribbean Tourist Facilities (CTF)
[DE91-016451] 23 p3890 N91-31712

CEA, INC., CANTON, MA.
An intelligent computer-to-computer transmission package
[PB91-163055] 22 p3726 N91-30737

CELLER PFLANZEN- UND GEWEBELABOR G.M.B.H., CELLE (GERMANY, F.R.).
Plant biotechnology in space: Facts and speculations
11 p1757 N91-19664

CENTER FOR BLOOD RESEARCH, BOSTON, MA.
Initial blood storage experiment
[NASA-CR-185513-PT-1] 06 p0851 N91-14700
Initial blood storage experiment
[NASA-CR-185513-PT-2] 06 p0852 N91-14701

CENTER FOR INDUSTRIAL RESEARCH, OSLO (NORWAY).
Zeolites in space 13 p2030 N91-21165
Man-machine interactions and multimedia applied to ROV operations 15 p2450 N91-23576

CENTER FOR MATHEMATICS AND COMPUTER SCIENCE, AMSTERDAM (NETHERLANDS).
Optimization of polling systems
[CWI-BS-R8932] 01 p0109 N91-10635
Damped, direction-dependent multigrid for hypersonic flow computations
[CWI-NM-R8922] 02 p0156 N91-10905
System identification of lossless layered media from input-output data
[CWI-BS-R8929] 02 p0208 N91-11166
Stabilization of a time integrator for the 3D shallow water equations by smoothing techniques
[CWI-NM-R8916] 02 p0209 N91-11167
Minimizing maximum earliness and maximum lateness on a single machine
[CWI-BS-R9001] 02 p0252 N91-11398
NUMVEC FORTRAN library manual. Chapter: Partial differential equations. Routine: OEHPC
[CWI-NM-R8915] 02 p0252 N91-11399
Performance analysis of transaction driven computer systems via queueing analysis of polling models
[CWI-BS-R8931] 02 p0256 N91-11426
A-stable parallel block methods
[CWI-NM-R8918] 02 p0257 N91-11427
Iterated Runge-Kutta methods on parallel computers
[CWI-NM-R9001] 02 p0257 N91-11428
Approximation of the solution to the moment problem in a Hilbert space
[CWI-AM-R8923] 02 p0259 N91-11438
Mathematical morphology on homogeneous spaces. Part 1: The simply transitive case
[CWI-AM-R8924-PT-1] 02 p0259 N91-11439
Uniform asymptotic approximation of Fermi-Dirac integrals
[CWI-AM-R9001] 02 p0259 N91-11440
Dynamic MRI reconstruction as a moment problem. Part 3: An error analysis of reconstruction by sinc and spline interpolation in a Hilbert space setting
[CWI-AM-R9002-PT-3] 02 p0259 N91-11441
Grey-level morphology
[CWI-AM-R9003] 02 p0259 N91-11442
On the uniqueness of kernels
[CWI-BS-R8924] 02 p0259 N91-11443

Cones of matrices and setfunctions, and 0-1 optimization
[CWI-BS-R8925] 02 p0259 N91-11444
On SLLN for martingales with deterministic quadratic variation
[CWI-BS-R8933] 02 p0260 N91-11445
Minimality of descriptor representations under external equivalence
[CWI-BS-R9002] 02 p0260 N91-11446
A new lower bound for the de Bruijn-Newman constant
[CWI-NM-R8920] 02 p0260 N91-11447
Improved techniques for lower bounds for odd perfect numbers
[CWI-NM-R8921] 02 p0260 N91-11448
A static-regridding method for two-dimensional parabolic partial differential equations
[CWI-NM-R8923] 02 p0260 N91-11449
Convergence of linear multistep and one-leg methods for stiff nonlinear initial value problems
[CWI-NM-R8924] 02 p0260 N91-11450
The linearly implicit Euler method for quasi-linear parabolic differential equations
[CWI-NM-R9002] 02 p0260 N91-11451
Stochastic approximation of the MLE for a spatial point pattern
[CWI-BS-R8926] 02 p0263 N91-11475
Optimal choice of sample fraction in extreme-value estimation
[CWI-BS-R8927] 02 p0264 N91-11476
On density estimation in the view of Kolmogorov's ideas in approximation theory
[CWI-BS-R8928] 02 p0264 N91-11477
Interconnected networks of queues with randomized arrival and departure blocking
[CWI-BS-R8934] 02 p0265 N91-11483
Non-linear multigrid in 2-D semiconductor device simulation: The zero current case
[CWI-NM-R8917] 02 p0276 N91-11553
A multigrid approach for the solution of the 2D semiconductor equations
[CWI-NM-R9003] 02 p0276 N91-11554
Temporal issues of animate response
[CWI-CS-R8960] 03 p0398 N91-12209
Systematic computations on Gauss' lattice point problem (in commemoration of Johannes Gaultherus van der Corput, 1890-1975)
[CWI-AM-R9008] 03 p0402 N91-12238
Polynomial-time algorithms for single-machine multicriteria scheduling
[CWI-BS-R9008] 03 p0402 N91-12239
Duality-based algorithms for scheduling unrelated parallel machines
[CWI-BS-R9010] 03 p0403 N91-12240
Asymptotic properties of statistical models in software reliability
[CWI-BS-R9011] 03 p0403 N91-12241
An analysis of loop checking mechanisms for logic programs
[CWI-CS-R8942] 03 p0403 N91-12242
Confluence of the disjoint union of conditional term rewriting systems
[CWI-CS-R8944] 03 p0403 N91-12243
Transition system specifications with negative premises
[CWI-CS-R8950] 03 p0403 N91-12244
Semantic models for a version of PARLOG
[CWI-CS-R8951] 03 p0403 N91-12245
Control flow versus logic: A denotational and a declarative model for guarded Horn clauses
[CWI-CS-R8952] 03 p0403 N91-12246
A parallel object-oriented language: Design and semantic foundations
[CWI-CS-R8953] 03 p0404 N91-12247
Concurrency semantics based on metric domain equations
[CWI-CS-R8954] 03 p0404 N91-12248
Using transformations to verify parallel programs
[CWI-CS-R8956] 03 p0404 N91-12249
Strong completeness for Hoare logics of recursive processes: An infinity approach
[CWI-CS-R8957] 03 p0404 N91-12250
Which data types have omega-complete initial algebra specifications
[CWI-CS-R8958] 03 p0404 N91-12251
Termination of disjoint unions of conditional term rewriting systems
[CWI-CS-R8959] 03 p0404 N91-12252
Unique normal forms for disjoint unions of conditional term rewriting systems
[CWI-CS-R9003] 03 p0405 N91-12253
Logic programs with negation: Classes, models, interpreters
[CWI-CS-R8943] 03 p0407 N91-12272
Addition chain heuristics
[CWI-CS-R8945] 03 p0407 N91-12273
An approach to hierarchical input devices
[CWI-CS-R8946] 03 p0407 N91-12274
Components, frameworks and GKS input
[CWI-CS-R8947] 03 p0407 N91-12275
Extending S-interpretations to logic programs with negation
[CWI-CS-R8948] 03 p0408 N91-12276
The refinement theorem for ST-bisimulation semantics
[CWI-CS-R9002] 03 p0408 N91-12277
Analysis of the convergence of iterative implicit and defect-correction algorithms for hyperbolic problems
[CWI-NM-R9004] 03 p0411 N91-12294
An evaluation on the gradient-weighted moving-finite element method in one space dimension
[CWI-NM-R9006] 03 p0411 N91-12295
Finite-dimensional soliton systems
[CWI-AM-R9005] 03 p0411 N91-12296
The center manifold for delay equations in the light of suns and stars
[CWI-AM-R9007] 03 p0411 N91-12297
From binary to grey-level morphology
[CWI-AM-R9009] 03 p0411 N91-12298
On cutting planes and matrices
[CWI-BS-R8930] 03 p0411 N91-12299
Enumeration and visibility problems in integer lattices
[CWI-CS-R8949] 03 p0411 N91-12300
Deriving denotational models for bisimulation from structured operational semantics
[CWI-CS-R8955] 03 p0412 N91-12301
An efficient algorithm for branching bisimulation and stuttering equivalence
[CWI-CS-R9001] 03 p0412 N91-12302
An exponential fitting method in two dimensions
[CWI-NM-R9005] 03 p0412 N91-12304
On the topology induced by the adjoint of a semigroup of operators
[CWI-AM-R9010] 03 p0412 N91-12305
Time to failure, time to repair and availability of a two-unit standby system with Markovian degrading units
[CWI-BS-R9007] 04 p0533 N91-12958
On a local limit theorem for lattice distribution
[CWI-BS-R9004] 04 p0571 N91-13173
Analysis of Christofides' heuristic: Some paths are more difficult than cycles
[CWI-BS-R9005] 04 p0572 N91-13174
The M/G/1 queue with processor sharing and its relation to a feedback queue
[CWI-BS-R9006] 04 p0572 N91-13175
Amoeba: A distributed operating system for the 1990's
[CWI-CS-R9004] 07 p1050 N91-15766
Algorithms from theorems
[CWI-CS-R9006] 07 p1051 N91-15767
Specification and verification of real time systems in ACP
[CWI-CS-R9015] 07 p1053 N91-15785
Proving termination of parallel programs
[CWI-CS-R9016] 07 p1053 N91-15786
Paramorphisms
[CWI-CS-R9005] 07 p1057 N91-15806
Finding all minimal covers of a set using implicit enumeration
[CWI-CS-R9007] 07 p1057 N91-15807
Computing boolean functions on anonymous networks
[CWI-CS-R9011] 07 p1057 N91-15808
Introduction to aspects of object oriented graphics
[CWI-CS-R9009] 08 p1200 N91-16597
Activities report of the Center for Mathematics and Computer Science
[ETN-91-98774] 10 p1565 N91-18607
Three logics for branching bisimulation
[CWI-CS-R9012] 10 p1572 N91-18647
Comparative semantics for a parallel contextual programming language
[CWI-CS-R9018] 10 p1572 N91-18648
From failure to success: Comparing a denotational and a declarative semantics for Horn clause logic
[CWI-CS-R9019] 10 p1572 N91-18649
Back and forth bisimulations
[CWI-CS-R9021] 10 p1572 N91-18650
Some algorithms on addition chains and their complexity
[CWI-CS-R9024] 10 p1573 N91-18651
Generalizing completeness results for loop checks
[CWI-CS-R9025] 10 p1573 N91-18652
Towards more efficient loop checks
[CWI-CS-R9026] 10 p1573 N91-18653
Fully abstract denotational models for nonuniform concurrent languages
[CWI-CS-R9027] 10 p1573 N91-18654
On the role of delegation and inheritance in object-oriented database systems
[CWI-CS-R9032] 10 p1573 N91-18655
Metric POMsets semantics for a concurrent language with recursion
[CWI-CS-R9033] 10 p1574 N91-18656
Mutiprocessor scheduling with communication delays
[CWI-BS-R9018] 10 p1578 N91-18684
Parallel processing in number-theoretical problems
[CWI-NM-R9010] 10 p1578 N91-18685
Resolution and logical consequences
[CWI-CS-R9023] 10 p1579 N91-18689
More computations on Gauss' lattice point problem
[CWI-CS-R9017] 10 p1581 N91-18708
Process algebra with a zero object
[CWI-CS-R9028-REV] 10 p1581 N91-18709
A new strategy for proving omega-completeness applied to process algebra
[CWI-CS-R9030] 10 p1582 N91-18710
A fully abstract model for concurrent nondeterministic processes based on posets with non-actions
[CWI-CS-R9031] 10 p1582 N91-18711
Mathematical morphology on homogeneous spaces. Part 2: The transitive case
[CWI-AM-R9006-PT-2] 10 p1582 N91-18712
Uniform Airy type expansions of integrals
[CWI-AM-R9011] 10 p1582 N91-18713
Mathematical morphology on the sphere
[CWI-AM-R9012] 10 p1582 N91-18714
Askey-Wilson polynomials as zonal spherical functions on the SU(2) quantum group
[CWI-AM-R9013] 10 p1582 N91-18715
Continuous Hahn polynomials of differential operator argument and analysis on Riemannian symmetric spaces of constant curvature
[CWI-AM-R9015] 10 p1582 N91-18716
Morphological filtering and iteration
[CWI-AM-R9016] 10 p1583 N91-18717
Disjoint paths in a planar graph: A general theorem
[CWI-BS-R9012] 10 p1583 N91-18718
Disjoint cycles in directed graphs on the torus and the Klein bottle
[CWI-BS-R9013] 10 p1583 N91-18719
Edge-disjoint circuits in graphs on the torus
[CWI-BS-R9014] 10 p1583 N91-18720
A simpler proof and a generalization of the zero-trees theorem
[CWI-BS-R9015] 10 p1583 N91-18721
Defect correction and nonlinear multigrid for steady Euler equations
[CWI-NM-R9007] 10 p1583 N91-18722
Parallel ODE solvers
[CWI-NM-R9008] 10 p1583 N91-18723
Spurious entropy generation in a non-smooth geometry
[CWI-NM-R9009] 10 p1583 N91-18724
Analysis of the implicit Euler local uniform grid refinement method
[CWI-NM-R9011] 10 p1584 N91-18725
Unconditional convergence of some Crank-Nicholson LOD methods for initial-boundary value problems
[CWI-NM-R9012] 10 p1584 N91-18726
The linear time branching time spectrum
[CWI-CS-R9029] 10 p1586 N91-18741
Reactive, generative, and stratified models of probabilistic processes
[CWI-CS-R9020] 10 p1587 N91-18746
Asymptotic theory of M-estimators in general statistical models. Part 1: On asymptotic behaviour of estimators under model disturbance
[CWI-BS-R9019-PT-1] 10 p1587 N91-18747
Asymptotic theory of M-estimators in general statistical models. Part 2: On asymptotic behaviour of estimators in the presence of nuisance parameters
[CWI-BS-R9020-PT-2] 10 p1587 N91-18748
On the attained waiting time
[CWI-BS-R9016] 10 p1589 N91-18758
Efficient visit orders for polling systems
[CWI-BS-R9017] 10 p1589 N91-18759
Low-diffusion rotated upwind schemes, multigrid and defect corrections for steady, multi-dimensional Euler flows
[CWI-NM-R9021] 17 p2730 N91-25117
Upper and lower bounds on switching energy in VLSI
[CWI-CS-R9044] 17 p2769 N91-25325
Camera placement in integer lattices (extended abstract)
[CWI-CS-R9047] 17 p2779 N91-25383
Handling hypergeometric series in Maple
[CWI-AM-R9014] 17 p2832 N91-25648
At last an ISO/ISO C binding of GKS
[CWI-CS-R9022] 17 p2832 N91-25649
Substring parsing for arbitrary context-free grammars
[CWI-CS-R9037] 17 p2832 N91-25650
Quantifiers
[CWI-CS-R9038] 17 p2833 N91-25651
Determiners
[CWI-CS-R9039] 17 p2833 N91-25652
An infinitary Church-Rosser property for non-collapsing orthogonal term rewriting systems
[CWI-CS-R9043] 17 p2833 N91-25653

GSE, a generic syntax-directed editor
[CWI-CS-R9045] 17 p2833 N91-25654
A fully abstract model for concurrent logic languages
[CWI-CS-R9046] 17 p2833 N91-25655
Studies in pure PROLOG: Termination
[CWI-CS-R9048] 17 p2833 N91-25656
Logging and recovery in PRISMA
[CWI-CS-R9049] 17 p2833 N91-25657
Performance analysis of a dynamic query processing scheme
[CWI-CS-R9050] 17 p2833 N91-25658
Retrospective creation of virtual alternative hierarchies
[CWI-CS-R9051] 17 p2834 N91-25659
A layered semantics for a parallel object-oriented language
[CWI-CS-R9052] 17 p2834 N91-25660
The meaning of negative premises in transition system specifications
[CWI-CS-R9054] 17 p2834 N91-25661
Formal semantics
[CWI-CS-R9055] 17 p2834 N91-25662
IDDL: A language for intelligent interactive integrated CAD systems
[CWI-CS-R9056] 17 p2834 N91-25663
Multiple worlds in an intelligent CAD system
[CWI-CS-R9057] 17 p2835 N91-25664
Nonwellfounded sets and programming language semantics
[CWI-CS-R9063] 17 p2835 N91-25665
A meta-environment for generating programming environments
[CWI-CS-R9064] 17 p2835 N91-25666
MANIFOLD: A language for specification of inter-process communication
[CWI-CS-R9065] 17 p2835 N91-25667
Examples in MANIFOLD
[CWI-CS-R9066] 17 p2835 N91-25668
Discourse representation theory
[CWI-CS-R9067] 17 p2835 N91-25669
Representation and implementation of design knowledge for intelligent CAD: Implementation aspects
[CWI-CS-R9071] 17 p2835 N91-25670
Deriving incremental implementations from algebraic specifications
[CWI-CS-R9072] 17 p2836 N91-25671
Term rewriting systems
[CWI-CS-R9073] 17 p2836 N91-25672
Editing objects of hierarchical structured drawing
[CWI-CS-R9074] 17 p2836 N91-25673
Loop checking and negation
[CWI-CS-R9075] 17 p2836 N91-25674
BASIS: A data structure for adaptive multigrid computations
[CWI-NM-R9014] 17 p2836 N91-25675
NUMVEC FORTRAN library manual. Chapter: Basic linear algebra. Routine: MATMUL. Chapter: Simultaneous linear equations. Routines: BIDIAGL and BIDIAGU
[CWI-NM-R9017] 17 p2836 N91-25676
Introduction to program verification
[CWI-CS-R9036] 17 p2838 N91-25688
Computing boolean functions on anonymous hypercube networks (extended abstract)
[CWI-CS-R9040] 17 p2839 N91-25689
Block-Cholesky for parallel processing
[CWI-NM-R9023] 17 p2839 N91-25690
Modeling design processes
[CWI-CS-R9059] 17 p2840 N91-25697
A component class for design objects
[CWI-CS-R9060] 17 p2840 N91-25698
Representation and implementation of design knowledge for intelligent CAD: Theoretical aspects
[CWI-CS-R9070] 17 p2841 N91-25699
Adjoints of semigroups acting on vector-valued function spaces
[CWI-AM-R9018] 17 p2843 N91-25709
Graph morphology
[CWI-AM-R9019] 17 p2843 N91-25710
Complex Lie semigroups, Hardy spaces, and the Gelfand-Gindikin program
[CWI-AM-R9020] 17 p2843 N91-25711
Twisted Yangians and infinite-dimensional classical Lie algebras
[CWI-AM-R9021] 17 p2843 N91-25712
A proof of the relativized, non-metric form of Furstenberg's structure theorem
[CWI-AM-R9022] 17 p2843 N91-25713
On the random walk with zero drifts in the first quadrant of R2
[CWI-BS-R9022] 17 p2843 N91-25714
A constrained optimisation problem in a processor sharing queue
[CWI-BS-R9025] 17 p2844 N91-25715
On Tutte's characterization of graphic matroids: A graphic proof
[CWI-BS-R9028] 17 p2844 N91-25716
Realization and partial fractions
[CWI-BS-R9032] 17 p2844 N91-25717
Near-perfect matrices
[RWI-BS-R9034] 17 p2844 N91-25718
The gamma-neighborhood graph
[CWI-CS-R9034] 17 p2844 N91-25719
Transfinite reductions in orthogonal term rewriting systems
[CWI-CS-R9041] 17 p2844 N91-25720
Transfinite reductions in orthogonal term rewriting systems (extended abstract)
[CWI-CS-R9042] 17 p2844 N91-25721
Real time process algebra
[CWI-CS-R9053] 17 p2845 N91-25722
Computing boolean functions on Cayley networks (extended abstract)
[CWI-CS-R9061] 17 p2845 N91-25723
Explicit canonical representatives for weak bisimulation equivalence and congruence
[CWI-CS-R9062] 17 p2845 N91-25724
Four domains for concurrency
[CWI-CS-R9068] 17 p2845 N91-25725
Process algebra with guards: Combining Hoare logic with process algebra
[CWI-CS-R9069] 17 p2845 N91-25726
A time splitting method for the three-dimensional shallow water equations
[CWI-NM-R9013] 17 p2845 N91-25727
EULER: An adaptive Euler code
[CWI-NM-R9015] 17 p2845 N91-25728
A note on the grid movement induced by MFE
[CWI-NM-R9019] 17 p2846 N91-25729
Numerical analysis of time-dependent Boussinesq models
[CWI-NM-R9020] 17 p2846 N91-25730
Runge-Kutta methods and local uniform grid refinement
[CWI-NM-R9022] 17 p2846 N91-25731
Bootstrapping U-quantiles
[CWI-BS-R9021] 17 p2848 N91-25742
Nested Monte Carlo study of random packing on the sphere
[CWI-BS-R9023] 17 p2848 N91-25743
Gradient projection for nonparametric maximum likelihood estimation with interval censored data
[CWI-BS-R9027] 17 p2848 N91-25744
On second order optimality of regular projective estimators, part 1
[CWI-BS-R9029-PT-1] 17 p2848 N91-25745
Bounds for the internal availability distribution
[CWI-BS-R9031] 17 p2848 N91-25746
On iterative estimators
[CWI-BS-R9036] 17 p2849 N91-25747
Completeness of combinations of constructor systems
[CWI-CS-R9058] 17 p2849 N91-25748
Dual decomposition of single-machine scheduling problems
[CWI-BS-R9009] 17 p2849 N91-25751
Combinatorics in operations research
[CWI-BS-R9024] 17 p2850 N91-25752
A new lower bound approach for single-machine multicriteria scheduling
[CWI-BS-R9026] 17 p2850 N91-25753
New lower and upper bounds for scheduling around a small common due date
[CWI-BS-R9030] 17 p2850 N91-25754
NUMVEC FORTRAN library manual. Chapter: Partial differential equations. Routine: ICGG3D
[CWI-NM-R9018] 18 p3038 N91-26768
Stability of collocation-based Runge-Kutta-Nystroem methods
[CWI-NM-R9016] 18 p3049 N91-26835

CENTER FOR SPACE AND ADVANCED TECHNOLOGY, FAIRFAX, VA.
Microgravity strategic planning exercise
[NASA-CR-184167] 16 p2612 N91-24463

CENTRAL AEROLOGICAL OBSERVATORY, DOLGOPRUDNYI (USSR).
ECC ozonesonde observations at Mirny, Antarctica, during 1989
[PB90-252024] 04 p0544 N91-13018

CENTRAL ELECTRICITY RESEARCH LABS., LEATHERHEAD (ENGLAND).
Ionic solutions near the critical point of water (TEXUS 10) ESA 23 p3833 N91-31375
Ionic solutions near the critical point of water (TEXUS 12) ESA 23 p3833 N91-31376

CENTRAL INST. FOR THE DEAF, SAINT LOUIS, MO.
Auditory-acoustic basis of consonant perception. Attachments A thru I
[AD-A233041] 16 p2663 N91-24734

CENTRAL INST. OF PHYSICS, BUCHAREST (ROMANIA).
Localizability in the Hamiltonian formalism and in quantum-mechanics
[DE90-628368] 01 p0133 N91-10787
Cohomology for Lagrangian systems and Noetherian symmetries
[DE90-628371] 01 p0133 N91-10788

CENTRAL RESEARCH INST. OF ELECTRIC POWER INDUSTRY, CHIBA (JAPAN).
The application of simulation model for the flow induced by air bubble plume in thermally stratified reservoirs
[DE91-003064] 11 p1703 N91-19380

CENTRAL RESEARCH INST. OF ELECTRIC POWER INDUSTRY, TOKYO (JAPAN).
Basic study of solid oxide fuel cells
[DE90-517069] 01 p0064 N91-10386
Technical assessment and economic study of compressed air energy storage in Japan
[DE91-701405] 02 p0231 N91-11292
Evaluation of a lithium secondary battery for load-conditioner use: Extending the Li/Mo2 cell life cycle
[DE91-736736] 09 p1328 N91-17295
Evaluation of lithium secondary battery for load-conditioner use: Performance and characteristics of molybdenum sulfides (Li/MoS2), improved molybdenum sulfides (Li/MoS2 and Li/Mo6S8), and manganese dioxide (Li/MnO2) cells
[DE91-736737] 09 p1328 N91-17296
Characteristics of lithium/polyaniline battery and change in polyaniline morphology
[DE91-736785] 09 p1328 N91-17297
Theoretical analysis of discharges in copper vapor lasers: Comparison between Ne and He
[DE91-736781] 09 p1341 N91-17367
Development of long life pulse power supply for copper vapor laser
[DE91-736783] 09 p1341 N91-17368
Wavelength control of visible light laser diodes
[DE91-736784] 09 p1342 N91-17369
Solid oxide fuel cells: Producing zirconia solid electrolyte thin films by doctor blade method
[DE91-736730] 09 p1355 N91-17442
Development of an atmospheric diffusion evaluation method incorporating thermal and topographical effects. 4: Turbulence intensity estimation methods using observation results
[DE91-736742] 09 p1360 N91-17477
Present R and D status of high-Tc superconductors and prospects for power applications
[DE91-736780] 09 p1412 N91-17770
Study on propagation characteristics of electromagnetic wave in underground, part 1
[DE91-742146] 10 p1513 N91-18331
Nickel/metal hydride rechargeable battery technology assessment: Prognosis for load-conditioner use
[DE91-736748] 10 p1516 N91-18349
Control system and operation characteristics of DC transmission systems by self turn-off type inverter
[DE91-736789] 10 p1517 N91-18350
Operation test of a load conditioner using sealed lead-acid batteries and life cycle test of lead-acid batteries
[DE91-742131] 10 p1520 N91-18368
Charge discharge characteristic of Li/MoS2 multicell including an overcharged cell and an overdischarged cell
[DE91-742132] 10 p1520 N91-18369
Research and development of lithium/polyacenic semiconductor (PAS) battery for load conditioner use
[DE91-742134] 10 p1520 N91-18370
Vibration characteristics of rotor containing boiling coolant
[DE91-742145] 10 p1536 N91-18454
Solid oxide fuel cells: A new cathode material (La, Sr)(Mn, Cr)O for SOFC
[DE91-736731] 10 p1539 N91-18469
Development of an atmospheric diffusion evaluation method incorporating thermal and topographical effects, part 3
[DE91-736741] 10 p1542 N91-18488
New lightning progression and striking distance model
[DE91-736787] 10 p1558 N91-18566
Development of Nb3Sn ac superconductor, part 1
[DE91-742150] 10 p1609 N91-18880
Progressive feature of stepped leader on Japan sea coast in winter (basic data to establish shielding theory for lightning)
[DE91-742133] 11 p1739 N91-19561
Survey on electron beam processing technologies
[DE91-759126] 13 p2153 N91-21866
Evaluation of cathode materials for high energy lithium secondary batteries
[DE91-764240] 15 p2417 N91-23385
Water-cooling technique of high temperature gas turbine blade
[DE91-764238] 15 p2438 N91-23506
Application of lightning arrester on transmission lines
[DE91-764239] 16 p2619 N91-24498

CENTRAL STATE UNIV., WILBERFORCE, OH.
Servomotor-Linked Articulated Versatile End Effector (SLAVE2) 19 p3274 N91-28111

CENTRE AEROPORTE DE TOULOUSE (FRANCE).
Low altitude ejection release (total mass between 1,660 and 5,600 kg)
[REPT-90/05] 23 p3852 N91-31475

CENTRE COLL. OF KENTUCKY, DANVILLE.
Reduction of solar vector magnetograph data using a microMSP array processor 10 p1630 N91-18991

CENTRE D'ESSAIS AERONAUTIQUE TOULOUSE (FRANCE).
Influence of configuration effects on multiple burst simulation testing 24 p4051 N91-32631

CENTRE D'ESSAIS DES PROPULSEURS, ORSAY (FRANCE).
Numerical model of evolution in supercooled cloud of water droplets in a case of icing 23 p3795 N91-31169

CENTRE D'ESSAIS EN VOL, BRETIGNY-SUR-ORGE (FRANCE).
Technical presentation of the Merlin's radome: Calibration and data processing 14 p2289 N91-22656

CENTRE D'ETUDE DE L'ENERGIE NUCLEAIRE, MOL (BELGIUM).
An assay for bone cell differentiation in vitro as a tool for microgravity studies in space 11 p1752 N91-19637

CENTRE D'ETUDE SPATIALE DES RAYONNEMENTS, TOULOUSE (FRANCE).
The 3.3 micron emission feature: Map of the galactic disk, 10 deg less than l less than 35 deg, - 6 deg less than b less than 6 deg 06 p0892 N91-14928
The origin of the galactic emission in IRAS data 06 p0900 N91-14974
Image quality of the PRONAOS telescope 13 p2179 N91-22039

CENTRE D'ETUDES DE GRAMAT (FRANCE).
A real scale simulator for high frequency LEMP 24 p4063 N91-32700
A theoretical analysis of the electromagnetic environment of the AS330 super Puma helicopter external and internal coupling 24 p4063 N91-32701

CENTRE D'ETUDES ET DE RECHERCHES, TOULOUSE (FRANCE).
Four dimensional navigation in air traffic with 4-D navigation aircraft 02 p0174 N91-10991
Formalizing developments: From theory to practice 04 p0485 N91-12697
Study of meteoroid impact craters on various materials (AO 138-1). Attempt at dust debris collection with stacked detectors (AO 138-2) 16 p2710 N91-24999
Spacecraft thermal control coatings (AO 138-6) 16 p2716 N91-25037
Three dimensional shear flow: Flow visualisation around a highly swept back and high incidence wing
[ONERA-RT-35/5025-28] 23 p3869 N91-31584
CECIL: Collaboration between companies and research agencies in heavy ion test of spacecraft microelectronics 24 p3998 N91-32348
Single event effects by protons on low Earth orbits: A problem for European manned space missions 24 p3998 N91-32349
Calculation of turbulent compressible flows 24 p4015 N91-32445

CENTRE D'ETUDES ET DE RECHERCHES DE CHRONOBIOLOGIE HUMAINE, NICE (FRANCE).
Some problems of desynchronisation of sleep-wakefulness and circadian rhythms for long duration spaceflights 15 p2450 N91-23570

CENTRE D'ETUDES ET DE RECHERCHES DE MEDECINE AEROSPATIALE, PARIS (FRANCE).
Preliminary studies before defining a payload adapted to the primate model 11 p1754 N91-19648

CENTRE DE DOCUMENTATION DE L'ARMEMENT, PARIS (FRANCE).
The technical environment of computer assisted translation 04 p0603 N91-13354
Synthesis of solutions proposed for end-users 04 p0604 N91-13360

CENTRE DE RECHERCHES EN PHYSIQUE DE L'ENVIRONNEMENT TERRESTRE ET PLANETAIRE, ORLEANS (FRANCE).
Accuracy of the estimate of J via multipoint measurements 01 p0070 N91-10422
Non-linear evolution of the Kelvin-Helmholtz instability: Constraints on multipoint measurements 01 p0071 N91-10430
Multipoint study of small-scale structures at the magnetopause 01 p0071 N91-10432

CENTRE DE RECHERCHES EN PHYSIQUE DE L'ENVIRONNEMENT, ISSY-LES-MOULINEAUX (FRANCE).
New technologies for integrating thermal control, and radiation protection in hybrid technology 24 p3996 N91-32330

CENTRE DE RECHERCHES SCIENTIFIQUES ET TECHNIQUES DE L'INDUSTRIE DES FABRICATIONS METALLIQUES, BRUSSELS (BELGIUM).
Activities report of the Permanent Committee of the General Council
[ISSN-0524-7705] 01 p0033 N91-10198
High speed welding used in building metallic structures
[CRIF-MT-180] 24 p4026 N91-32496

CENTRE DE SPECTROMETRIE NUCLEAIRE ET DE SPECTROMETRIE DE MASSE DU CNRS, ORSAY (FRANCE).
C-rich micrometeorites on the early Earth and icy planetary bodies 10 p1622 N91-18947

CENTRE HOSPITALIER UNIV. PURPAN, TOULOUSE (FRANCE).
Human dermal fibroblast sensitivity to hypergravity 11 p1751 N91-19630

CENTRE NATIONAL D'ETUDES DES TELECOMMUNICATIONS, ISSY-LES-MOULINEAUX (FRANCE).
Energy exchange study at the ocean surface by satellite observation 15 p2454 N91-23597

CENTRE NATIONAL D'ETUDES DES TELECOMMUNICATIONS, LANNION (FRANCE).
A survey of the parasitic effects and degradation mechanisms affecting the GaAs FET-based IC's: The first step for a technological evaluation 24 p3992 N91-32304
Direct influence of chip design and material composition on GaAs/GaAlAs laser diodes reliability 24 p3992 N91-32307

CENTRE NATIONAL D'ETUDES SPATIALES, TOULOUSE (FRANCE).
Magnetic sensitivity of on-board quartz oscillators: State of the knowledge
[CNES-CT/DRT/TIT/TF-88/354] 01 p0018 N91-10110
Influence of the telescope depointing on the performances of an optical link. Correlation between depointing law and coding, concerning the computation of mean BER
[CNES-CT/DRT/TIT/TR-88/24-T] 01 p0035 N91-10206
Principles of LOCSTAR system experiments
[CNES-CT/DRT/TIT/TR-88/355] 01 p0035 N91-10207
MicroChannel Plate detectors (MCP)
[CNES-CT/DRT/TIT/OE-88/037-T] 01 p0038 N91-10227
Hydrogen maser: Results of evaluations done by the CNES from May 1986 to December 1987
[CNES-DRT/TIT/TF-88/338-T] 01 p0048 N91-10284
Geoid and Doppler induced errors on the altimeter measurement and their correction
[CNES-CT/DRT/TIT/RL-88/226] 01 p0063 N91-10380
Modelization of LOCSTAR synchronisation system. Computation of non detection and false alarm probabilities. Reflections on threshold adjustment and correlator structure
[CNES-CT/DRT/TIT/TR-88/060] 01 p0117 N91-10691
Aperture diffraction in Rayleigh zone: Calculation of the field in the quiet zone of compact ranges
[CNES-CT/DRT/TIT/AN-88/234] 02 p0203 N91-11136
Wind lidar for tropical climatology
[CNES-CT/DRT/TIT/IO-88/126] 02 p0239 N91-11334
Fourteen x fourteen CCD array for optical intersatellite link tracking
[CNES-CT/DRT/TIT/OE-88/144] 02 p0271 N91-11521
Silicon elastomers in structural glass adhesion. Application: Silovitrail
[ETN-90-97804] 03 p0343 N91-11921
Satellite qualification tests for electrostatic discharges 07 p0960 N91-15284
Studies and implementations of the principle Reed-Solomon decoding algorithms
[CNES-NT-123] 12 p1959 N91-20778
An active telescope for the sub-millimetre PRONAOS balloon-borne project 13 p2179 N91-22038
A ground based expert system for Hermes orbital operations planning 14 p2213 N91-22227
SPOT image organization 14 p2214 N91-22231
Application of CCSDS recommendations to Ariane 5 and Hermes ground segments 14 p2215 N91-22239
NAIADE: A prototype application in Ada of the CCSDS recommendations concerning 'SFDU' 14 p2215 N91-22240
An expert system for geostationary orbit satellite breakdown analysis 14 p2218 N91-22257
Validation requirements for the Topex/Poseidon altimeter mission 15 p2454 N91-23602
Post flight system analysis of FRECOPA (AO 138) 16 p2724 N91-25089
Calculation of fragment ejection velocities on explosion of a launcher
[CNES-NT-128] 23 p3800 N91-31195
Choice of a differential method for attitude restitution with dynamic imbalance
[CNES-NT-126] 23 p3801 N91-31202
Soldering of complex multilayer printed boards
[CNES-NT-127] 23 p3852 N91-31474
CNES activities on ASIC 24 p3991 N91-32298
Radiation sensitivity of power MOSFETS 24 p3998 N91-32344
Trends in latch-up sensitivity 24 p3998 N91-32345
Evaluation of FPGAs 24 p4000 N91-32361
Summary of EEE component anomalies encountered in the SPOT line of Earth observation satellites and lessons derived therefrom for future generations 24 p4001 N91-32367

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, GRENOBLE (FRANCE).
Single crystals of CeMg3 (TEXUS 7) ESA 23 p3834 N91-31382
Growth of rare Earth-magnesium crystals (TEXUS 12) 23 p3834 N91-31383

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, ORLEANS (FRANCE).
Experimental constraints in the characterization of a turbulent field from several satellites 01 p0070 N91-10425
Electron gyro-harmonics generated by spaceborne artificial electron beam 10 p1552 N91-18533
Wave-particle interactions associated with VLF transmitters 10 p1552 N91-18536
Extraterrestrial organic molecules and the emergence of life on Earth 11 p1760 N91-19681

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, ORSAY (FRANCE).
Submillimeter observations of interstellar dust 13 p2178 N91-22028

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, PARIS (FRANCE).
Gaze control and spatial memory in weightlessness 11 p1762 N91-19692
Mental rotation of three-dimensional shapes in microgravity 11 p1762 N91-19694

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, TOURS (FRANCE).
Simulation expert system for physiological mechanisms of the space motion sickness 11 p1745 N91-19596

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, VERRIERES-LE BUISSON (FRANCE).
Influence of temperature on the infrared spectrum of the coronene molecule 06 p0893 N91-14932
The chromospheric Lyman-alpha core emission of Altair 09 p1436 N91-17913

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, VITRY (FRANCE).
Electrodeposition of dense chromium coatings from molten salt electrolytes
[AD-A235978] 19 p3134 N91-27319

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT, SAINT-MARTIN-D'HERES (FRANCE).
Near ground sound propagation in wind
[CSTB-2-89-003-4] 24 p4094 N91-32871

CENTRE TECHNIQUE DES INDUSTRIES MECANIQUES, NANTES (FRANCE).
Impact behavior of composite materials: Exploratory research
[CETIM-101130] 05 p0632 N91-13504
Study of the metallurgical effects of hammering between passes during C-Mn weld deposition
[CETIM-104850] 05 p0637 N91-13532
Evaluation of the functional properties of welds on cold finished tubes defined as NF A 49.541
[CETIM-104700] 05 p0672 N91-13738
The effects of thermal treatment after welding on the functional properties of assemblies. Follow-up of the work on Cr-Mo
[CETIM-104720] 05 p0672 N91-13739
Study of the tensile strength of the melted zone of vertical welds carried out using electroslag welding on C-Mn steel. Further study on 80 mm thick plate
[CETIM-104730] 05 p0673 N91-13740
Study of the metallurgical consequences of hammering between passes to compensate for the withdrawal of metal caused by welding
[CETIM-104430] 05 p0673 N91-13741

CENTRE TECHNIQUE DES INDUSTRIES MECANIQUES, SENLIS (FRANCE).
Micrographic etching of nitrided iron and steel layers
[CETIM-106470] 05 p0637 N91-13533
Study of the time and effort signal in cutting operations
[CETIM-101580] 05 p0646 N91-13583
Signal processing used in the electromagnetic inspection of long bodies
[CETIM-107270] 05 p0674 N91-13749
Antivibration isolation (a practical guidebook)
[CETIM-108220] 05 p0679 N91-13775
Calculations for structures with nonlinear joints
[CETIM-108830] 05 p0679 N91-13776
CENTRE TECHNIQUE DES INDUSTRIES MECANIQUES, SAINT ETIENNE (FRANCE).
Bolted structural assemblies: Bibliographic analysis
[CETIM-13N061] 05 p0673 N91-13742
ADENG, adhesive bonding technology for engineering applications: Computer aided design
[CETIM-105070] 05 p0703 N91-13917
Mechanical and metallurgical aspects of warm temperature forcing
[CETIM-105430] 12 p1868 N91-20263
CENTRO BRASILEIRO DE PESQUISAS FISICAS, RIO DE JANEIRO.
Geodesics in Goedel-type space-times
[DE90-634419] 03 p0389 N91-12168
Inhomogeneous two-fluid cosmologies with electromagnetic field
[DE90-634868] 03 p0425 N91-12383
Multi-core events in cosmic-ray induced interactions with lead at around 10 TeV
[DE91-616827] 13 p2183 N91-22062
CENTRO DE INSTRUCCION DE MEDICINA AEROESPATIAL, MADRID (SPAIN).
Evaluation of female and male aircrew applicants using a cognitive and psychomotor test
02 p0245 N91-11366
CENTRO DE INVESTIGACION CIENTIFICA Y DE EDUCACION SUPERIOR DE ENSENADA (MEXICO).
The SATEX project 07 p0948 N91-15202
CENTRO STUDI E LABORATORI TELECOMUNICAZIONI, TURIN (ITALY).
Activities report of the Centro Studi e Laboratoi Telecomunicazioni
[ETN-90-97803] 04 p0516 N91-12871
CERAMIC PROCESS SYSTEMS CORP., MILFORD, MA.
Composite ceramic superconducting wires for electric motor applications
[AD-A225859] 04 p0588 N91-13281
CERAMPHYSICS, INC., WESTERVILLE, OH.
A miniature inexpensive, oxygen sensing element
[DE90-014080] 01 p0045 N91-10269
A miniature inexpensive, oxygen sensing element
[DE90-009938] 08 p1147 N91-16318
A miniature inexpensive, oxygen sensing element
[DE91-007212] 10 p1527 N91-18409
CESI, MILAN (ITALY).
Evaluation of the damages caused by lightning current flowing through bearings 24 p4051 N91-32632
CESKOSLOVENSKA AKADEMIE VED, ONDREJOV.
The importance of simultaneous monitoring of solar activity for the interpretation of solar plasma phenomena
01 p0072 N91-10433
CESKOSLOVENSKA AKADEMIE VED, PRAGUE.
On lower hybrid wave scattering by plasma density fluctuation nonlinear reflection coefficient of the fast magnetoacoustic wave
[IPPCZ-281] 01 p0123 N91-10725
Comments on edge turbulence during lower hybrid current drive experiment on CASTOR tokamak
[IPPCZ-279] 01 p0123 N91-10726
On optimization of the large launching structures for the lower hybrid current drive
[IPPCZ-296] 03 p0419 N91-12346
An ohmic heating circuit for the CASTOR tokamak
[IPPCZ-295] 03 p0420 N91-12347
Linear resonant interaction of an electromagnetic wave with a collisional inhomogeneous plasma
[IPPCZ-298] 06 p0874 N91-14836
Phase changes during plasma spray deposition
[IPPCZ-297] 06 p0875 N91-14837
CESSNA AIRCRAFT CO., WICHITA, KS.
Designing aircraft structures for tolerance to fatigue damage 10 p1454 N91-18012
Airframe corrosion 10 p1454 N91-18013
CFD RESEARCH CORP., HUNTSVILLE, AL.
Assessment of numerical methods for the solution of fluid dynamics equations for nonlinear resonance systems 09 p1299 N91-17128
Rapid mix concepts for low emission combustors in gas turbine engines
[NASA-CR-185292] 11 p1640 N91-19048
CHALMERS UNIV. OF TECHNOLOGY, GOETEBORG (SWEDEN).
Equilibria and dynamics of temperature in a fusion reactor plasma 20 p3415 N91-28937
Thermal conductivity of liquids (MASER 1) ESA
23 p3830 N91-31361
Adhesion of metals on ceramic substrates (MASER 2) ESA 23 p3850 N91-31463
CHAM OF NORTH AMERICA, INC., HUNTSVILLE, AL.
Thrust chamber modeling using Navier-Stokes equations: Code documentation and listings, volume 2
[NASA-CR-183617] 05 p0630 N91-13489
CHARLES COUNTY COMMUNITY COLL., LA PLATA, MD.
Low temperature measurement of the vapor pressures of planetary molecules 17 p2878 N91-25920
CHARLES RIVER ANALYTICS, INC., CAMBRIDGE, MA.
Software reliability experiments data analysis and investigation
[NASA-CR-187492] 09 p1386 N91-17626
An expert system approach to global fault detection and isolation design
[AD-A238494] 21 p3564 N91-29808
CHEMICAL RESEARCH AND DEVELOPMENT CENTER, ABERDEEN PROVING GROUND, MD.
Sampling and analysis of organophosphorus compounds on a thermoelectric cold plate using Fourier transform infrared emission spectroscopy
[AD-A225964] 04 p0501 N91-12782
The reactive bed plasma system for contamination control 07 p1080 N91-15945
Hot film velocity measurements downstream of a swept backward-facing step
[AD-A228713] 09 p1332 N91-17317
Spectroscopic analyses and performance of copper/zinc impregnated, activated carbons
[AD-A231693] 14 p2239 N91-22387
Ventilation kinetics testing of a steel frame/rubber fabric underground shelter
[AD-A237469] 21 p3551 N91-29734
CHIBA UNIV. (JAPAN).
Some topics of Navier-Stokes solvers
08 p1139 N91-16269
CHICAGO BRIDGE AND IRON CO., OAK BROOK, IL.
Space simulation facilities providing a stable thermal vacuum facility 11 p1661 N91-19150
CHICAGO UNIV., IL.
Cyclones and cyclogenesis over north Pacific, north Atlantic, Arctic Ocean, and their upwind continents
[AD-A225168] 03 p0392 N91-12181
Solar response to luminosity variations
03 p0441 N91-12467
Decision making under uncertainty: The effects of role and ambiguity
[AD-A225771] 04 p0553 N91-13070
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
Neutral atomic absorption lines and far-UV extinction: Possible implications for depletions and grain parameters 05 p0737 N91-14115
Dust in regions of massive star formation
06 p0899 N91-14972
Particle physics and cosmology
[DE91-001946] 06 p0924 N91-15111
The fossil record of evolution: Data on diversification and extinction
[NASA-CR-187253] 07 p1022 N91-15608
Programs in materials research
[AD-A228724] 09 p1309 N91-17183
Experimentally testing the standard cosmological model
[NASA-CR-187970] 09 p1428 N91-17860
A theory of diagnostic inference
[AD-A230703] 12 p1932 N91-20629
Simultaneous imaging of optical CN lines and radio HCN lines in comet Austin 12 p2002 N91-21020
Specificity of mutation induced by ionizing radiation and oxidizing free radicals
[DE91-008838] 13 p2126 N91-21702
Cosmic Ray Nuclei (CRN) detector investigation
[NASA-CR-184137] 13 p2183 N91-22063
Phase equilibrium of mixtures consisting of molecules with large size and shape differences (thermodynamic modeling of supercritical fluid extraction and retrograde condensation, SFE/RC)
[PB91-144626] 17 p2755 N91-25251
Development of advanced methods based on stable isotope technology for studies of exercise in heat
[AD-A234670] 18 p3028 N91-26719
Categories and particulars: Prototype effects in estimating spatial location
[AD-A234955] 18 p3033 N91-26741
Phase-shifting effect of light and activity on the human circadian clock
[AD-A235615] 19 p3211 N91-27753
Aspects of reheating in first-order inflation
[NASA-CR-188705] 20 p3443 N91-29108
Testing the Big Bang: Light elements, neutrinos, dark matter and large-scale structure
[NASA-CR-188701] 20 p3444 N91-29111
Performance report of the Wind Research Lab.
[AD-A238575] 21 p3544 N91-29691
Limits to the radiative decay of the axion
[NASA-CR-188702] 22 p3752 N91-30916
Solar neutrinos and the MSW effect for three-neutrino mixing
[NASA-CR-188706] 22 p3776 N91-31060
Nuclear medicine and imaging research: Quantitative studies in radiopharmaceutical science
[DE91-015447] 23 p3898 N91-31759
Theory and laboratory astrophysics
24 p4120 N91-33025
Solar astronomy 24 p4120 N91-33026
CHILDRENS HOSPITAL MEDICAL CENTER, BOSTON, MA.
Initial blood storage experiment
[NASA-CR-185513-PT-1] 06 p0851 N91-14700
Initial blood storage experiment
[NASA-CR-185513-PT-2] 06 p0852 N91-14701
CHINA NUCLEAR INFORMATION CENTRE, BEIJING.
Digital image integration technique of multiple geoscience information system and its application
[DE90-627893] 01 p0135 N91-10801
Investigation on the projection by a Z-pinch discharge
[DE90-637548] 02 p0275 N91-11544
Using acoustic emission technique to monitor fractures on the analogous pressure pipes
[DE90-638372] 03 p0374 N91-12096
The content measurement of superconducting phase for high temperature superconducting oxide YBa2Cu3O(7-x)
[DE90-637631] 03 p0421 N91-12354
Investigation of methods to prepare carbon foils and to determine their thicknesses
[DE90-638126] 09 p1317 N91-17231
CHRISTIAN BROTHERS COLL., MEMPHIS, TN.
Fine-tuning of process conditions to improve product uniformity of polystyrene particles used for wind tunnel velocimetry 04 p0599 N91-13338
Validation of the space shuttle main engine steady state performance model 10 p1633 N91-19008
CHRONOS RESEARCH LABS., INC., SAN DIEGO, CA.
Low cost space power generation
11 p1672 N91-19212
CHUBU UNIV., KASUGAI (JAPAN).
Shock and soliton structures induced by poloidal flow in tokamaks 20 p3414 N91-28929
CIAD, ZOETERMEER (NETHERLANDS).
Activities report of the Association for Computer Application in Engineering Practice
[ETN-91-98768] 10 p1575 N91-18666
CIM SYSTEMS, LYNCHBURG, VA.
In-Process Inspection Study (IPIS) for abrasive machining (honing)
[AD-A236244] 22 p3656 N91-30352
CINCINNATI UNIV., OH.
Controller methodologies for integrated control/structure design optimization of large flexible structures 02 p0186 N91-11043
A global pressure relaxation for high speed laminar and turbulent flows 02 p0210 N91-11177
An investigation into the flow behavior of a single phase gas system and a two phase gas/liquid system in normal gravity with nonuniform heating from above
[NASA-CR-185304] 03 p0348 N91-11944
On the role of atmospheric gravity waves in mesospheric dynamics 04 p0546 N91-13027
Multivariable methods for the design, identification, and control of large space structures. Volume 1: Estimator Eigenvalue placement in positive real design
[AD-A226525] 05 p0628 N91-13477
Multivariable methods for the design, identification, and control of large space structures. Volume 3: A study of the integrated control/structure design optimization problem for large flexible structures
[AD-A226526] 05 p0628 N91-13478
Electrocatalyst surfaces
[PB90-252560] 05 p0633 N91-13507
Multivariable methods for the design, identification, and control of large space structures. Volume 2: Optimal and sub-optimal estimation applied to large flexible structures
[AD-A226699] 06 p0792 N91-14375
VLSI architectures for image, speech, and signal processing 09 p1329 N91-17300
A study in stress concentration optimization using boundary element methods 09 p1352 N91-17425
A pressure flux-split technique for computation of inlet flow behavior 13 p2012 N91-21068
Solution of three-dimensional afterbody flow using reduced Navier-Stokes equations
13 p2016 N91-21093

Space vehicle propulsion systems: Environmental space hazards
[NASA-CR-188094] 13 p2043 N91-21236
Analysis of structural response data using discrete modal filters
[NASA-CR-179448] 14 p2193 N91-22116
Attitude control requirements for various solar sail missions 14 p2200 N91-22150
Active versus passive damping in large flexible structures 14 p2230 N91-22338
A new procedure for calculating contact stresses in gear teeth
[NASA-CR-187094] 14 p2270 N91-22562
Research in particle theory
[DE91-010749] 15 p2504 N91-23872
Characterization of interphases between PMDA/4-BDAF polyimides and silver substrates using surface-enhanced Raman scattering and reflection-absorption infrared spectroscopy
[AD-A233531] 16 p2598 N91-24400
Theory and experiments on subcritical compressible gas flow metering 17 p2729 N91-25112
Surface chemistry of electrocatalysts
[DE91-010850] 17 p2757 N91-25262
Finite element analysis of frictional damping forces in structural joints subjected to flexural vibration 17 p2789 N91-25431
Fault-tolerant control of continuous-time systems 17 p2842 N91-25703
Thermoelastic wave propagation in laminated composites 18 p2939 N91-26209
MMIC integration technology investigation
[NASA-CR-188035] 18 p2977 N91-26434
Four-to-one power combiner for 20 GHz phased array antenna using RADC MMIC phase shifters 18 p2977 N91-26435
A gravitationally consistent second-order analytic secular solution for the point-mass motion of the eight principal planets 18 p3084 N91-27054
Characterization of interphases between PMDA/4-BDAF polyimides and silver and graphite substrates using x ray photoelectron spectroscopy
[AD-A235567] 19 p3138 N91-27337
Direct solution techniques for viscous flow and their control
[AD-A236201] 19 p3163 N91-27493
A critical analysis of anisotropic k-epsilon modeling and its application to turbulence-driven secondary flows 20 p3346 N91-28533
On the nonlinear response of minor atmospheric species to linear gravity waves 24 p4043 N91-32593

CISI INGENIERIE, TOULOUSE (FRANCE).
MERCATOR: A distributed ground control system for geostationary satellite positioning 14 p2210 N91-22202

CITY COLL. OF THE CITY UNIV. OF NEW YORK, NY.
Ultrafast physics in microstructure and alloy systems
[AD-A224762] 03 p0422 N91-12360
Topics in physico-chemical hydrodynamics
[DE91-001674] 05 p0635 N91-13519
Turbulent molecular processes and structures in supersonic free shear layers
[AD-A236922] 19 p3165 N91-27500
Photodynamics and physics behind tunable solid-state lasers
[AD-A238365] 22 p3683 N91-30506
Electronic transport and lasing in microstructures
[DE91-016751] 23 p3879 N91-31641
Studies in premixed combustion
[DE91-016964] 24 p3974 N91-32198

CITY OF DENVER, CO.
An alternative fuels evaluation system for fleet vehicles
[DE91-013434] 22 p3684 N91-30514

CITY OF HOPE MEDICAL CENTER, DUARTE, CA.
Evaluation of liposome-encapsulated Hemoglobin/LR16 formulation as a potential blood substitute
[AD-A233973] 18 p3028 N91-26714

CITY UNIV. INST. OF MARINE AND ATMOSPHERIC SCIENCES, BRONX, NY.
Fibre optic anemometry using an optical delay cavity technique
[ETN-90-97966] 03 p0418 N91-12341

CITY UNIV. OF NEW YORK, NY.
Simulation of rotation effect in turbulence dissipation rate equation 04 p0599 N91-13337
Non-geometrical optics study of wave propagation
[DE91-010616] 16 p2691 N91-24896
Integral formulations with special kernels for a composite panel with an elliptical hole or a crack 17 p2746 N91-25192

CITY UNIV. OF NEW YORK RESEARCH FOUNDATION, NY.
Magnetic properties of doped semiconductors
[DE91-002395] 06 p0880 N91-14859

CIVIL AEROMEDICAL INST., OKLAHOMA CITY, OK.
Correlates of two experimental tests with performance in the FAA academy air traffic control nonradar screen program
[AD-A226419] 04 p0476 N91-12658
Right bundle branch block as a risk factor for subsequent cardiac events
[AD-A226596] 04 p0553 N91-13065
Development of a crashworthy seat for commuter aircraft
[AD-A227486] 08 p1093 N91-15999

CIVIL AVIATION AUTHORITY, CANBERRA (AUSTRALIA).
Australian experiments in Automatic Dependent Surveillance (ADS) including the Pacific Engineering Trials (PET) 24 p3955 N91-32101

CIVIL AVIATION AUTHORITY, LONDON (ENGLAND).
The European certification process 03 p0309 N91-11735
UK airmisses involving commercial air transport, January - April 1990
[ISSN-0951-6301] 22 p3617 N91-30121
UK airmisses involving commercial air transport, May - August 1990
[ISSN-0951-6301] 22 p3617 N91-30122

CIVIL AVIATION AUTHORITY, REDHILL (ENGLAND).
Trends in certification procedures and design analysis 18 p2929 N91-26158

CLARK-ATLANTA UNIV., GA.
Theoretical investigation of electron-positive ion/atom interactions
[DE91-006844] 10 p1592 N91-18783
Choice of gauge in 2-photon 1s-2s transition in atomic hydrogen and pseudostate expansions 17 p2880 N91-25927
Organosilicon polymers incorporating the bicyclo(2.2.2)-octane moiety
[AD-A234966] 18 p2964 N91-26361
Construction of stable explicit finite-difference schemes for Schroedinger type differential equations 19 p3268 N91-28073
Semi-empirical calculations on model systems for organosilyldiamine preceramic polymers
[DE91-013721] 20 p3329 N91-28433
Precursors to Si-N-C-O ceramics: A reinvestigation of the poly methylvinyl silylethyl enediamine systems
[DE91-013722] 21 p3485 N91-29333

CLARKSON UNIV., POTSDAM, NY.
Path integral asymptotics in the absence of classical paths
[DE90-016213] 01 p0113 N91-10659
Experimental and theoretical studies of friction and heat transfer in rough passages
[DE90-016302] 02 p0219 N91-11223
A numerical study of turbulent pipe flow 03 p0361 N91-12026
Thermodynamically consistent rate-dependent models for turbulence 03 p0363 N91-12032
Influence of convection on microstructure
[NASA-CR-186996] 04 p0503 N91-12795
A novel approach to determine the heat transfer coefficient in directional solidification furnaces
[NASA-CR-187648] 06 p0884 N91-14885
Experimental and theoretical studies of friction and heat transfer in rough passages
[DE91-005073] 07 p1003 N91-15504
Effect of convection on the microstructure of a lamellar eutectic growing with a stepped interface
[NASA-CR-187943] 10 p1499 N91-18250
A study of the current group evaporation/combustion theories 10 p1634 N91-19010
Directional solidification of Pb-Sn eutectics with vibration
[NASA-CR-187942] 12 p1868 N91-20264
Modelling directional solidification
[NASA-CR-188155] 14 p2245 N91-22419
Results of compositional and microstructural analyses of solidified ingots 14 p2245 N91-22420
Directional solidification of Pb-Sn eutectic with vibration 14 p2245 N91-22421
On the instability of liquid jet and liquid curtain 14 p2263 N91-22519
Thermodynamically consistent formulations for rapid granular and turbulent multiphase flows 15 p2423 N91-23420
Adaptive control of pneumatic actuation systems 19 p3233 N91-27875
Experimental investigation of pressure drop and heat transfer for air flow through enhanced tubes
[DE91-012151] 20 p3342 N91-28508
Pressure drop and heat transfer for spirally fluted tubes including validation of the role of transition
[DE91-012242] 20 p3342 N91-28509
Analysis of electromagnetic interference from power system processing and transmission components for Space Station Freedom
[NASA-CR-186564] 22 p3663 N91-30393
Numerical and experimental investigation of particle transport and deposition in turbulent flows 22 p3673 N91-30453

CLEMSON UNIV., SC.
Micro-mechanical analysis of damage growth and fracture in discontinuous fiber reinforced metal matrix composites
[NASA-CR-187020] 01 p0021 N91-10126
Alternate equilibrium configurations of flexible cantilever beams 02 p0224 N91-11254
Clutter filter design considerations for Airborne Doppler radar detection of windshear 03 p0303 N91-11690
Development and evaluation of superconducting circuit elements
[NASA-CR-187344] 04 p0517 N91-12875
Experimental investigation of turbulent Prandtl number and Reynolds analogy in transitional and post-transitional boundary layers
[AD-A226058] 04 p0522 N91-12907
High Tc superconducting materials and devices 04 p0594 N91-13315
Analysis of the interlaminar stress components at the skin/stiffener interface of an advanced-concept stiffened panel 09 p1351 N91-17421
Review of Soviet ionospheric modification research 10 p1546 N91-18509
The magnesium chelation step in chlorophyll biosynthesis
[DE91-006619] 10 p1559 N91-18571
Intramolecular energy transfer reactions in polymetallic
[DE91-006391] 10 p1606 N91-18864
Analysis and design of antenna structures: Diakoptic theory and the moment method
[AD-A230838] 13 p2076 N91-21438
Thermoplastic coating of carbon fibers
[NASA-CR-188189] 14 p2251 N91-22454
On the control of two manipulators holding a rigid object in the presence of uncertainty
[DE90-017742] 15 p2438 N91-23508
Computerized symbolic closed-form dynamics and control analysis of hybrid rigid and elastic multibody systems 15 p2443 N91-23532
Signal processing techniques for clutter filtering and wind shear detection 16 p2553 N91-24154
Micro-mechanical analysis of damage growth and fracture in discontinuous fiber reinforced metal matrix composites
[NASA-CR-188206] 16 p2589 N91-24346
Computer stereo vision for 3-D object location using a neural network architecture 16 p2674 N91-24801
Transportable telemetry workstation 17 p2878 N91-25918
Applications of MST radars: Meteorological applications 18 p3010 N91-26622
Polyhedral approaches for solving 0-1 polynomial programming problems
[AD-A235219] 18 p3052 N91-26851
Development of high Tc (greater than 110K) Bi, Tl and Y-based materials as superconducting circuit elements
[NASA-CR-186581] 18 p3068 N91-26948
The pulse-pair algorithm as a robust estimator of turbulent weather spectral parameters using airborne pulse Doppler radar
[NASA-CR-4382] 19 p3149 N91-27402
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
Environmental test program for superconducting materials and devices
[NASA-CR-188654] 19 p3250 N91-27981
Observations and theoretical studies of tides and normal modes in the lower thermosphere 20 p3372 N91-28681
An investigation to determine the producibility of a 3-D braider and bias direction weaving loom
[NASA-CR-188741] 21 p3494 N91-29390
Automated guided vehicles
[AD-A229477] 22 p3683 N91-30510

CLEVELAND STATE UNIV., OH.
A modular stiffness-based approach to rotating systems analysis 08 p1162 N91-16400
On the application of ENO scheme with subcell resolution to conservation laws with stiff source terms 13 p2013 N91-21074
Transient thermal analysis of a Brayton cycle solar dynamic heat receiver 14 p2280 N91-22613
Development of an analytical-experimental methodology for predicting the life and mechanical behavior of thermal barrier coatings 16 p2603 N91-24423

Navier-Stokes analysis of turbomachinery blade external heat transfer
[NASA-CR-188454] 16 p2626 N91-24544
Testing, analysis, and code verification of aerodynamics and heat transfer related to turbomachinery
[NASA-CR-188640] 19 p3106 N91-27160
Creep and fracture of dispersion-strengthened materials
[NASA-CR-185299] 19 p3117 N91-27224
The design of a clinical laboratory information system 20 p3439 N91-29083
High resolution electrolyte for thinning InP by anodic dissolution and its applications to EC-V profiling, defect revealing and surface passivation 22 p3632 N91-30210
A theoretical comparison of the near-optimum design and predicted performance of n/p and p/n indium phosphide homojunction solar cells 22 p3636 N91-30233
FIESTA ROC: A new finite element analysis program for solar cell simulation 22 p3636 N91-30234

CLIMATE ANALYSIS CENTER, WASHINGTON, DC.

January-February tropospheric climate for the Northern Hemisphere and the 11-year solar cycle, the QBO and the Southern Oscillation 03 p0443 N91-12479

CLS ARGOS, TOULOUSE (FRANCE).

Collection and processing of oceanographic data at CLS 15 p2455 N91-23603

COAST GUARD, WASHINGTON, DC.

Model tests of inflatable life rafts in breaking waves
[AD-A229406] 22 p3615 N91-30109

COAST GUARD ACADEMY, NEW LONDON, CT.

Structural concept studies for a horizontal cylindrical lunar habitat and a lunar guyed tower 18 p3097 N91-27117

COASTAL ENGINEERING RESEARCH CENTER, VICKSBURG, MS.

Directional characteristics of waves in shallow water
[AD-A234568] 18 p3017 N91-26661
Alaska wave data index
[AD-A236635] 20 p3377 N91-28707
Comparison of Atlantic coast wave information study hindcasts with field research facility gage measurements
[AD-A229515] 22 p3711 N91-30656

COCKERHAM (JOHN M.) AND ASSOCIATES, INC., HUNTSVILLE, AL.

Thermal control surfaces experiment: Initial flight data analysis
[NASA-CR-188600] 17 p2738 N91-25156

COE ENGINEERING, INC., MOUNTAIN VIEW, CA.

An assessment of wind tunnel test data on flexible thermal protection materials and results of new fatigue tests of threads
[NASA-CR-177466] 05 p0712 N91-13972

COHERENT TECHNOLOGIES, INC., BOULDER, CO.

Theory of CW lidar aerosol backscatter measurements and development of a 2.1 microns solid-state pulsed laser radar for aerosol backscatter profiling
[NASA-CR-4347] 11 p1725 N91-19498

COLLEGE OF SOUTHERN GEORGIA, STATESBORO.

A rate equation approach to gain saturation effects in laser mode calculations 04 p0599 N91-13339

COLLEGE OF WILLIAM AND MARY, WILLIAMSBURG, VA.

Automatic determination of fault effects on aircraft functionality
[NASA-CR-181352] 01 p0007 N91-10039
The effects of the space environment on two aramid materials 04 p0596 N91-13324
Minimizing distortion in truss structures via Tabu search 04 p0596 N91-13325
Additives to reduce susceptibility of thermosets and thermoplastics to erosion from atomic oxygen 04 p0598 N91-13334
Damage assessment and residual compression strength of thick composite plates with through-the-thickness reinforcements
[NASA-CR-187377] 05 p0631 N91-13494
Injection efficiency of bound modes
[NASA-CR-4333] 05 p0715 N91-13991
Topics in theoretical physics
[DE91-004888] 07 p1075 N91-15917
Design of an intelligent information system for in-flight emergency assistance 14 p2316 N91-22792
The effects of the interaction of polymeric materials with the space environment
[NASA-CR-188659] 19 p3137 N91-27331
Unit testing and analysis
[AD-A236119] 19 p3227 N91-27841

COLOGNE UNIV. (GERMANY, F.R.).

Cluster as a wave telescope 01 p0070 N91-10424
Elastic properties of ceramic composite materials at high temperatures
[ETN-90-97897] 02 p0191 N91-11067
The control system of an airborne radiometer: A process for a two dimensional reconstruction of irregular scanned radiometer data
[MITT-70] 02 p0215 N91-11202
Energetics of 60 days predictions with the EZMW-T21 model in its mean temporary development and its relationship to forecast skill
[MITT-71] 02 p0239 N91-11335
A two dimensional multisonic model of plasma interaction for cometary atmosphere with solar wind
[MITT-69] 02 p0289 N91-11621
Surface albedo and global radiation over East Asia from data of the geostationary satellite GMS
[MITT-72] 04 p0546 N91-13028
Laboratory studies on time dependent particle emission from cometary analogues 10 p1623 N91-18954
New Cologne acousto-optical spectrometer projects 13 p2179 N91-22034
Energy partition of free Rossby waves in global atmospheric oscillations
[MITT-74] 15 p2463 N91-23648
Remote sensing of atmospheric temperature fields and the long wave radiation budget in the Antarctic
[ISSN-0069-5882] 15 p2464 N91-23652

COLORADO SCHOOL OF MINES, GOLDEN.

Physical and electronic structure of the electrolyte-solid interface through optical phenomena
[DE90-015935] 01 p0129 N91-10764
Fundamental concepts of wettability and interfacial bond strength in aluminum matrix, SiC-reinforced composites
[AD-A225158] 03 p0335 N91-11879
An automated flow calorimeter for heat capacity and enthalpy measurements at elevated temperatures and pressures
[DE91-002759] 06 p0830 N91-14584
Stable explicit depth extrapolation of seismic wavefields
[DE91-001445] 06 p0846 N91-14674
The 3-D depth migration via McClellan transformations
[DE91-001446] 06 p0846 N91-14675
Colorado School of Mines fusion gamma ray diagnostic project
[DE91-009259] 13 p2157 N91-21889
Novel concepts in weld metal science: Role of gradients and composite structure
[DE91-009817] 14 p2248 N91-22435
Shielded metal arc welding consumables for advanced high strength steels
[AD-A233376] 16 p2635 N91-24588
Backscattering enhancement from rough surfaces
[AD-A234707] 18 p2975 N91-26426
Weldability and hot ductility of iron aluminides
[DE91-016343] 23 p3815 N91-31280

COLORADO STATE UNIV., FORT COLLINS.

Evidence for asymmetric inertial instability in the FIRE satellite dataset 01 p0075 N91-10454
The effects of cloud radiative forcing on an ocean-covered planet 01 p0076 N91-10456
Radiative properties of visible and subvisible Cirrus: Scattering on hexagonal ice crystals 01 p0077 N91-10462
Radiative properties of Cirrus clouds: FIRE IFO case October 28, 1986 01 p0081 N91-10479
Temperature sensitivity of Eppley broadband radiometers 01 p0082 N91-10484
Analysis of tethered balloon, ceilometer and class sounding data taken on San Nicolas Island during the FIRE project 01 p0083 N91-10492
Fractional cloudiness in shallow cumulus layers 01 p0084 N91-10498
Analysis of tethered balloon data from San Nicolas Island on 8 July 1987 01 p0088 N91-10517
Third generation earth radiation budget measurements; ERBE in the context of earlier systems 01 p0091 N91-10530
San Nicolas Island surface radiation-meteorology data 01 p0091 N91-10531
Colorado State University program for developing, testing, evaluating and optimizing solar heating and cooling systems
[DE90-017273] 02 p0231 N91-11291
The evolution of vortical patterns and vortices in mesoscale convective complexes 02 p0236 N91-11319
Mass and charge transport in electronically conductive polymers
[AD-A225305] 03 p0345 N91-11931
Electrochemical investigations or electronically conductive polymers. Part 6: Mechanism of the redox reactions for the electronically conductive form of polypyrrole
[AD-A225306] 03 p0345 N91-11932
Ion-transporting composite membranes. Part 3: Selectivity and rate of ion transport in Nafion (TM) impregnated gore-tex membranes prepared by a high temperature solution-casting method
[AD-A225837] 04 p0497 N91-12760
New electrorelease systems based on microporous membranes
[AD-A225315] 04 p0500 N91-12777
Study of improved methods for predicting chemical equilibria
[DE91-000263] 05 p0633 N91-13509
Investigation of a remote sensing technique for droplet effective radius 08 p1166 N91-16420
Colorado State University program for developing, testing, evaluating and optimizing solar heating and cooling systems
[DE90-010107] 08 p1169 N91-16435
Template-synthesized polyacetylene fibrils show enhanced supermolecular order
[AD-A228596] 09 p1318 N91-17234
Modeling of CW electron beam sustained ion lasers 09 p1342 N91-17371
Colorado State University program for developing, testing, evaluating, and optimizing solar heating and cooling systems
[DE91-005778] 09 p1356 N91-17451
Eddy diffusivities for sensible heat, ozone, and momentum from eddy correlation and gradient measurements 09 p1359 N91-17467
Numerical simulation of a mesoscale convective complex: Model development and numerical results 09 p1363 N91-17490
Quantifying ice nucleation by silver iodide aerosols 09 p1367 N91-17510
Laboratory experiments on plasma contactors 09 p1403 N91-17720
Monitoring the response of the upper troposphere/lower stratosphere to a greenhouse gas scenario
[DE91-007976] 11 p1735 N91-19541
Template synthesis of conducting polymers: Enhanced conductivity, enhanced supermolecular order, interesting microstructures
[AD-A229931] 12 p1872 N91-20287
The phototoxicity of blue light on the functional properties of the retinal pigment epithelium
[AD-A230072] 12 p1928 N91-20612
Theory and derivation for Weibull parameter probability weighted moment estimators
[PB91-124495] 12 p1972 N91-20848
Continuation and bifurcation investigations in constrained optimization
[AD-A231639] 13 p2137 N91-21769
Plasma contactor research, 1990
[NASA-CR-187097] 13 p2155 N91-21880
A fast algorithm for control and estimation using a polynomial state-space structure 14 p2226 N91-22312
JANUS: Integrating hypertext with a knowledge-based design environment
[AD-A231773] 14 p2340 N91-22941
Optoelectronic III-V heterostructures on SI substrates
[AD-A232035] 15 p2517 N91-23950
An airborne FLIR detection and warning system for low altitude wind shear 16 p2552 N91-24147
Theoretical and modeling studies of the marine planetary boundary layer
[AD-A233185] 16 p2658 N91-24704
Normal mode analysis of van der Waals vibrations
[AD-A232891] 16 p2682 N91-24851
Excited state intermolecular proton transfer in isolated clusters: 1-naphthol/ammonia and water
[AD-A233637] 16 p2683 N91-24857
Advanced electric propulsion research - 1990
[NASA-CR-187103] 17 p2741 N91-25171
New secondary batteries using electronically conductive polymer cathodes
[NASA-CR-188604] 17 p2769 N91-25322
Linear and nonlinear aspects of the tropical 30-60 day oscillation: A modeling study
[NASA-CR-188607] 17 p2814 N91-25554
An experimental investigation of hollow cathode-based plasma contactors
[NASA-CR-187120] 17 p2865 N91-25843
Template synthesis of polymeric and metal microtubules
[AD-A235307] 18 p2965 N91-26367
Preparation and characterization of carbon filaments
[AD-A235633] 19 p3118 N91-27228
Signature analysis technique for diagnosing failures in mechanical systems 20 p3358 N91-28604
Regional-scale flow in complex terrain: An observational and numerical investigation 20 p3372 N91-28680
Earth radiation budget variability and the relationship to changes in the general circulation 22 p3705 N91-30622

Numerical simulation and analysis of the propagation of a prefrontal squall line 22 p3709 N91-30644
An observational analysis of tropical cyclone recurvature
[ASP-480] 22 p3711 N91-30651
Chemically modified electrodes and related solution studies
[DE91-016740] 23 p3812 N91-31262
Mass resolved excitation spectroscopy of benzyl and phenylnitrene radicals
[AD-A239394] 23 p3812 N91-31264

COLORADO SUPERCONDUCTOR, INC., FORT COLLINS.
High temperature superconductors: A technological revolution 12 p1861 N91-20223

COLORADO UNIV., BOULDER.
Cloud information for FIRE from surface weather reports 01 p0075 N91-10452
A cloud classification scheme applied to the breakup region of marine stratocumulus 01 p0084 N91-10497
Time-resolved FTIR (Fourier Transform Infrared) emission studies of laser photofragmentation and chain reactions
[DE90-017223] 01 p0122 N91-10722
Computation of transonic flow over elastic rotor blade 02 p0156 N91-10906
Experimental investigation of the mechanisms underlying vortex kinematics in unsteady separated flows 02 p0156 N91-10907
Application of computational fluid dynamics to three-dimensional bodies in hypersonic flow 02 p0210 N91-11174
Comparison of clear air atmospheric radar techniques for the study of atmospheric dynamics in the troposphere and the stratosphere
[PB90-256314] 02 p0235 N91-11313
A numerical model of polar mesospheric cloud formation and evolution 02 p0240 N91-11337
An assessment of media coverage of the B-2 stealth bomber
[AD-A224646] 03 p0299 N91-11666
Geostationary orbital crowding: An analysis of problems and solutions
[AD-A224581] 03 p0317 N91-11777
Survivability enhancements for military communications satellites
[AD-A224683] 03 p0320 N91-11790
Codeless GPS Applications to Multi-Path: CGAMP 03 p0352 N91-11967
NASA propagation information center 03 p0353 N91-11969
Pattern selection, wave formation, turbulence, and vortex breakdown in spiral flows
[AD-A225068] 03 p0365 N91-12042
Dynamical modeling of collisional transport processes in planetary rings: Narrow rings, multi-component rings, and satellite perturbations 03 p0435 N91-12438
Seasonal changes in the abundance and vertical distribution of water vapor in the atmosphere of Mars 03 p0438 N91-12448
Dynamic power spectral analysis of solar measurements from photospheric, chromospheric, and coronal sources 03 p0443 N91-12476
Modeling solar Lyman alpha irradiance 03 p0444 N91-12483
Wavelength dependence of solar rotation and solar cycle UV irradiance variations 03 p0448 N91-12500
Report for geography and Colorado Commission on Higher Education internship convective wave project 04 p0548 N91-13040
Theories, methods, and tools for the design of user-centered computer systems
[AD-A225700] 04 p0568 N91-13148
Computational methods and software systems for dynamics and control of large space structures
[NASA-CR-187669] 05 p0628 N91-13480
Constraint treatment techniques and parallel algorithms for multibody dynamic analysis
[NASA-CR-187668] 05 p0676 N91-13759
A computational procedure for the dynamics of flexible beams within multibody systems
[NASA-CR-187667] 05 p0676 N91-13760
A physical parameterization of snow albedo for use in climate models 05 p0680 N91-13781
Sea ice-atmosphere interaction: Application of multispectral satellite data in polar surface energy flux estimates
[NASA-CR-187376] 05 p0680 N91-13782
Frontal interactions with orography: Objective cross-sectional analysis of ALPEX data 05 p0690 N91-13836
An asymptotic symmetry of the rapidly forced pendulum
[DE91-001868] 05 p0710 N91-13958
NGC 1058: Gas motions in an extended, quiescent spiral disk 05 p0734 N91-14103
Optical emission from cooling flows in distant x ray clusters of galaxies 05 p0748 N91-14169
Virial theorem analysis of the structure and stability of magnetized clouds 05 p0752 N91-14190
Probing the interstellar medium of external galaxies using quasar absortion lines: The 3C 232/NGC 3067 system 05 p0760 N91-14227
The evolution of comets and the detectability of Extra-Solar Oort Clouds 05 p0763 N91-14242
Spectrum formation in SN1987A 05 p0764 N91-14243
The origin and evolution of the Uranian dust rings 05 p0766 N91-14253
Studies of the observed and theoretical variations of atmospheric ozone
[NASA-CR-187703] 06 p0843 N91-14657
Investigations of probabilistic inference
[AD-A226882] 06 p0867 N91-14795
Interpretation of conditional probabilities in probabilistic interference word problems
[AD-A226907] 06 p0867 N91-14797
Intermediate energy nuclear physics
[DE91-002758] 06 p0870 N91-14809
Investigation of redox processes at semiconductor electrode liquid junctions
[DE91-001787] 06 p0880 N91-14858
The origin of micrograins 06 p0905 N91-15000
Circumstellar grain extinction properties of recently discovered post AGB stars 06 p0911 N91-15028
Theoretical nuclear physics
[DE91-000979] 07 p1067 N91-15869
X ray irradiation of a galaxy by an embedded active nucleus 07 p1084 N91-15964
Nonlinear waves and inverse scattering
[AD-A228757] 08 p1143 N91-16294
Study of time accuracy of flow variables across discontinuous boundaries 08 p1144 N91-16300
A ring laser gyroscope with optical subtraction 08 p1150 N91-16335
Spontaneous force optical traps
[AD-A228539] 08 p1155 N91-16363
Scattering of Lamb waves in an elastic plate for ultrasonic nondestructive evaluation of weldments and cracks 08 p1165 N91-16412
The effects of the solid inner core and nonhydrostatic structure on the Earth's forced nutations and Earth tides 08 p1166 N91-16417
Analysis of satellite and Expendable Bathythermograph (XBT) data for the abrupt topography program
[AD-A228870] 08 p1167 N91-16422
Planetary circulations in the presence of transient and self-induced heating 08 p1182 N91-16505
Laboratory and theoretical models of planetary-scale instabilities and waves 08 p1183 N91-16511
A global climatology of middle atmosphere inertio-gravity waves 08 p1186 N91-16524
Stability criteria for stratocumulus-topped boundary layers evaluated through conditional sampling of turbulence elements
[AD-A228433] 08 p1187 N91-16526
Applications of non-linear optics
[AD-A228872] 08 p1224 N91-16743
A multiple frames of reference approach to aeroelastic computations: Application to airfoil flutter analysis 09 p1272 N91-16995
Numerical study of boundary layer instability of flow over axisymmetric cylinder 09 p1335 N91-17331
Landscape dynamics in the Arctic foothills: Landscape evolution and vegetation succession on disturbances
[DE91-005348] 09 p1360 N91-17474
Intelligent support systems for hyperknowledge
[AD-A229109] 09 p1385 N91-17620
Effects of neutral gas releases on electron beam injection from electrically tethered spacecraft 09 p1405 N91-17731
Preliminary interpretation of the Mg II variability of L2 Puppis 09 p1433 N91-17894
Methods for the development of a bioregenerative life support system 10 p1475 N91-18127
The application of depot transfer/rendezvous in space-based cyclic orbit missions 10 p1483 N91-18174
Studies of melting, crystallization, and commensurate-incommensurate transitions in two dimensions
[DE91-007567] 10 p1497 N91-18241
Problems in characterizing barrier performance
[NASA-CR-187930] 10 p1569 N91-18631
Thermohaline circulations and global climate change
[DE91-007458] 11 p1734 N91-19537
Radar-measured height profiles of Cn(2) and turbulence dissipation rate compared with radiosonde data during October 1989 at Denver
[PB91-125500] 11 p1739 N91-19562
Tuning the efficiencies of plant lighting systems: From primary energy to edible biomass: The LED as an alternative light source 11 p1756 N91-19660
The FORCE: A highly portable parallel programming language
[NASA-CR-187928] 11 p1775 N91-19732
Near resonant absorption by atoms in intense fluctuating fields
[DE91-007911] 11 p1794 N91-19839
Vortex patterns behind airfoils in streamwise oscillation
[AD-A229883] 12 p1829 N91-20049
Center for low-gravity fluid mechanics and transport phenomena
[NASA-CR-188048] 13 p2079 N91-21452
Analysis, preliminary design and simulation systems for control-structure interaction problems
[NASA-CR-188018] 13 p2131 N91-21729
Implementation of a partitioned algorithm for simulation of large CSI problems
[CU-CSSC-91-4] 13 p2131 N91-21730
Subspace signal processing in structured noise
[AD-A231396] 14 p2256 N91-22476
Research in geosciences policy
[NASA-CR-188038] 14 p2282 N91-22619
Explaining patterns in the ratification of global environmental treaties 14 p2282 N91-22620
The effects of global climate change on Southeast Asia: A survey of likely impacts and problems of adaptation 14 p2282 N91-22621
Global change and biodiversity loss: Some impediments to response 14 p2282 N91-22622
A remote sensing applications update: Results of interviews with Earth Observations Commercialization Program (EOCAP) participants 14 p2282 N91-22623
AI techniques for a space application scheduling problem 14 p2313 N91-22776
Planetary atmospheres: Microwave spectroscopic and space physics
[NASA-CR-188168] 14 p2353 N91-23013
Centralized and distributed dynamic scheduling for adaptive, parallel algorithms
[AD-A233557] 16 p2671 N91-24781
Chemisorption and reactions studies on well-characterized bimetallic and alloy surfaces
[DE91-010935] 17 p2760 N91-25278
Reduce uncertainty in projection of future sea-level change due to ice wastage
[DE91-010933] 17 p2807 N91-25521
Water on Mars: Volatile history and resource availability 17 p2912 N91-26074
Theoretical studies of the kinematics, dynamics, stability, and control of unsteady/vortical flows
[AD-A235190] 18 p2984 N91-26477
Lead detection and mapping with reference to relationships between scale, sensor characteristics, surface conditions and atmospheric properties
[AD-A235121] 18 p3018 N91-26666
A theoretical and experimental study of the symmetric rank one update
[AD-A233965] 18 p3039 N91-26777
A software package for unconstrained optimization using tensor methods
[AD-A233989] 18 p3040 N91-26778
Recent studies of the optical properties of dust and cloud particles in the Mars atmosphere and the interannual frequency of global dust storms 18 p3085 N91-27060
Measurements of dust on Mars to be obtained from upcoming missions 18 p3087 N91-27066
The effects of atmospheric dust on observations of Martian surface albedo 18 p3088 N91-27072
Optical remote sensing
[PB91-169755] 19 p3184 N91-27609
Reference models for thermospheric NO 19 p3190 N91-27642
Studies of magnetopause structure
[NASA-CR-188639] 19 p3191 N91-27646
Lithium niobate arithmetic logic unit
[AD-A236062] 19 p3245 N91-27949
Measurement of the microwave propagation delay induced by atmospheric water vapor 20 p3334 N91-28466
Numerical simulation of particle-wave interaction in boundary layers
[NASA-CR-187312] 20 p3341 N91-28502
Reversed field pinch experiments
[DE91-013643] 20 p3422 N91-28977
Parallel nanometer scale fabrication
[DE91-013016] 20 p3430 N91-29026
Explosion of a superbubble in a uniform magnetic field 20 p3442 N91-29102
Electron acceleration by magnetosonic waves in a solar coronal loop 20 p3447 N91-29132

Semiconductor deposition and etching interactions of laser-generated translationally hot atoms and radicals
[AD-A238198] 21 p3598 N91-30015
A covariance study for orbit accuracy improvement of the GPS satellites using fiber optics tracking
[AD-A237858] 22 p3626 N91-30179
SALT orbit determination covariance analysis using GPS tracking
[AD-A237899] 22 p3627 N91-30180
Probabilistic model for laser light propagation through a random water surface 22 p3682 N91-30501
An investigation of optically controlled, integrated millimeter wave receiving phased arrays
[AD-A239504] 23 p3863 N91-31538
Effects of stress on judgment and decision making in dynamic tasks
[AD-A239452] 23 p3901 N91-31772
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance 3
[AD-A239574] 23 p3901 N91-31773
Seed sprout production: Consumables and a foundation for higher plant growth in space
23 p3904 N91-31790
A study of geographically correlated orbit errors for Topex-incorporating GPS data 24 p3965 N91-32154
Laboratory and theoretical models of planetary-scale instabilities and waves 24 p4059 N91-32675
Policy opportunities 24 p4120 N91-33029

COLORADO UNIV., COLORADO SPRINGS.
Management of information technology access controls
[AD-A236275] 19 p3261 N91-28035

COLORADO UNIV., DENVER.
Exploratory data analysis on data generated in the DOE subsurface microbiology program
[DE91-007575] 16 p2662 N91-24726
Sleep disturbances at high altitude. Role of a PCO2 apneic threshold
[AD-A229426] 22 p3716 N91-30680

COLSA, INC., HUNTSVILLE, AL.
Optical processor evaluation
[AD-A235690] 19 p3150 N91-27409
Hybrid electro-optic processor
[AD-A239547] 23 p3857 N91-31505

COLUMBIA RESEARCH CORP., ANNAPOLIS, MD.
Fatigue performance under multiaxial loading
[PB91-153288] 19 p3179 N91-27577

COLUMBIA UNIV., NEW YORK, NY.
Boundary integral equations for dynamic fracture problems 02 p0225 N91-11259
Satellite elevation magnetic anomalies and their use in tectonic studies 02 p0227 N91-11272
Aspects of the earthquake geology and seismotectonics of the southern San Andreas and related faults
02 p0238 N91-11329
Online searching in public libraries: A comparative study of performance 02 p0284 N91-11598
Applications of massive mathematical computations
[AD-A225812] 04 p0572 N91-13179
NGC 4438: Ram pressure sweeping of a tidally disrupted galaxy 05 p0750 N91-14176
NGC 3312: A victim of ram pressure sweeping
05 p0750 N91-14177
Relativistic effects in millisecond pulsars and active galactic nuclei 05 p0764 N91-14247
Issues and directions in IR detector readout electronics 06 p0794 N91-14387
Climate and atmospheric modeling studies. Climate applications of Earth and planetary observations. Chemistry of Earth and environment
[NASA-CR-187326] 06 p0848 N91-14684
Spontaneous and induced coherent radiation generation in atomic vapors
[AD-A226776] 06 p0873 N91-14830
Photogenerated carrier-induced reaction on semiconductor surfaces
[DE91-001349] 06 p0883 N91-14878
Transport of carbon ion test particles and hydrogen recycling in the plasma of Columbia tokamak HBT (high beta tokamak)
[DE91-004118] 07 p1069 N91-15882
Understanding the interdiffusion behavior and determining the long term stability of tungsten fiber reinforced niobium-base matrix composite systems
[NASA-CR-187396] 08 p1114 N91-16120
Radiation physics, biophysics, and radiation biology
[DE90-011544] 08 p1220 N91-16722
Development of liquid xenon imaging gamma-ray spectrophotometers
[AD-A227575] 08 p1223 N91-16740
Transport simulation of the effect of impurity radiation on the high beta, ohmic start-up of the HBT-EP tokamak
[DE90-010333] 08 p1227 N91-16760
Pseudomorphic narrow gap materials for high performance devices
[AD-A228828] 09 p1327 N91-17289
High beta tokamak research and plasma theory
[DE91-006908] 10 p1602 N91-18837
Experimental study of external kink instabilities in the Columbia high beta tokamak
[DE91-008116] 11 p1804 N91-19904
Analysis and interpretation of diffuse x-ray emission using data from the Einstein satellite
[NASA-CR-187988] 13 p2131 N91-21728
Sidebands in the free electron laser: Optical guiding effects and short pulses 14 p2268 N91-22551
Finite element analysis in nonisothermal viscoplasticity
14 p2274 N91-22579
Polymer syntheses and mechanisms of polymerization
[AD-A233034] 16 p2606 N91-24438
Stochastic and control and topics in applied probability
[AD-A233298] 16 p2680 N91-24835
Optical interconnection by vertical coupling of single-mode fibers to semiconductors
16 p2688 N91-24880
Low dose neutron late effects: Cataractogenesis
[DE91-011020] 17 p2822 N91-25597
Narrow gap superlattices for infrared sensor application
[AD-A236355] 19 p3254 N91-28004
Radiation physics, biophysics, and radiation biology
[DE91-012883] 20 p3378 N91-28716
Current sheet formation and rapid reconnection in the solar corona 20 p3407 N91-28884
Suppression and control of magnetic islands in toroidal plasmas 20 p3409 N91-28895
Picosecond studies of chemical intermediates
[AD-A237859] 21 p3475 N91-29275
Laser enhanced chemical reaction studies
[DE91-013021] 21 p3521 N91-29555
Theoretical high energy physics
[DE90-012527] 21 p3579 N91-29904
Theoretical high energy physics
[DE91-013639] 21 p3579 N91-29905
Identification of, and transition to, the second region of ideal MHD stability in tokamaks
[DE90-010380] 21 p3584 N91-29938
Molecular beam epitaxial growth and characterization of metastable compound semiconductors for infrared detector applications
[AD-A237797] 21 p3597 N91-30010
On the role of crystal defects as sources of resonator frequency instability
[AD-A238505] 21 p3598 N91-30018
Interfacial and thin film chemistry in electron device fabrication
[AD-A229609] 22 p3667 N91-30416
Search for correlated UV and x ray absorption of NGC 3516
[NASA-CR-188711] 22 p3771 N91-31026
IUE and ROSAT monitoring of the bright QSO H1821+643
[NASA-CR-188719] 22 p3771 N91-31029
The time-domain earth tides 23 p3893 N91-31726
Photogenerated carrier-induced reactions on semiconductor surfaces
[DE91-017550] 24 p4009 N91-32416

COM DEV LTD., CAMBRIDGE (ONTARIO).
Dielectric image-resonator multiplexer
[PATENT-1-252-835] 23 p3853 N91-31479
Antenna study for 60 GHz intersatellite link
[CD-RPT-ITL-5043-003] 23 p3853 N91-31482

COMBUSTION ELECTROMAGNETICS, INC., ARLINGTON, MA.
Spark-ignited diesel engine
[AD-A230243] 13 p2095 N91-21533

COMISION NACIONAL DE ENERGIA ATOMICA, BUENOS AIRES (ARGENTINA).
Solution of moving boundary problems with implicit boundary condition
[DE91-623308] 17 p2847 N91-25740

COMMERCE DEPT., WASHINGTON, DC.
Report to the Congress from the Secretary of Commerce on the National Technical Information Service
[PB90-238569] 04 p0605 N91-13366

COMMERCE ENERGY NASA NLM DEFENSE INFORMATION CATALOGING COMMITTEE, OAK RIDGE, TN.
Data policy and availability supporting global change research, development, and decision-making: An information perspective
[NASA-TM-105137] 22 p3698 N91-30592

COMMERCIAL SPACE TECHNOLOGIES LTD., LONDON (ENGLAND).
Review of microgravity 23 p3894 N91-31736

COMMISSARIAT A L'ENERGIE ATOMIQUE, BRUYERES-LE-CHATEL (FRANCE).
Observations of perturbations produced by powerful chemical explosions in the ionosphere
10 p1553 N91-18541
Model for the non-perturbative QCD vacuum
[PB91-194407] 22 p3749 N91-30898
Single event upset sensitivity of a SRAM: An overview from testing procedures to device hardening (theme 2)
24 p3998 N91-32346

COMMISSARIAT A L'ENERGIE ATOMIQUE, CADARACHE (FRANCE).
A ground based module for experimentations of cultivations and recycling in a closed environment
11 p1756 N91-19657

COMMISSARIAT A L'ENERGIE ATOMIQUE, FONTENAY-AUX-ROSES (FRANCE).
New experimental approach in quality factor and dose equivalent determination during a long term manned space mission 11 p1759 N91-19679

COMMISSARIAT A L'ENERGIE ATOMIQUE, GIF-SUR-YVETTE (FRANCE).
Red fluorescence and 3-12 micron emission in NGC 2023, HD 44179, M 82, and Lynds 1780
06 p0891 N91-14924
Phase separation in microgravity of binary fluids near the critical point (TEXUS 13) 23 p3833 N91-31378
Measurements of proton upset induced in CMOS devices: Synthesis of CEA studies
24 p4000 N91-32356

COMMISSARIAT A L'ENERGIE ATOMIQUE, GRENOBLE (FRANCE).
Semi-confined Bridgman growth of Ga-doped Ge (MASER 2) 23 p3836 N91-31391
Directional solidification of eutectics (TEXUS 6)
23 p3838 N91-31404
Large-eddy simulation of the turbulent flow in the downstream region of a backward facing step
23 p3867 N91-31568

COMMISSARIAT A L'ENERGIE ATOMIQUE, LE BARP (FRANCE).
Applicability of centrifuge to test space payloads
07 p0957 N91-15262

COMMISSARIAT A L'ENERGIE ATOMIQUE, SACLAY (FRANCE).
The gravitational wakefield of a molecular cloud in a disk galaxy 05 p0752 N91-14188
Accretion disk instability and spokes in Saturn's rings
06 p0922 N91-15094
Ten micron imaging of Comet Austin
10 p1622 N91-18950
Phase separation of a binary fluid near its critical point (TEXUS 11) 23 p3833 N91-31377
Spatiotemporal intermittency
23 p3867 N91-31569

COMMISSION OF THE EUROPEAN COMMUNITIES, BRUSSELS (BELGIUM).
The 1989-1992 activities: The BRITE EURAM programme in the field of advanced structural materials
03 p0326 N91-11814

COMMISSION OF THE EUROPEAN COMMUNITIES (LUXEMBOURG).
Typology of existing systems
04 p0603 N91-13353
Beyond machine translation 17 p2876 N91-25908

COMMITTEE ON APPROPRIATIONS (U.S. SENATE).
Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriation Bill, 1991
[S-REPT-101-474] 11 p1815 N91-19966
National Aeronautics and Space Administration
11 p1815 N91-19967
Problems at National Aeronautics and Space Administration
[S-HRG-101-1146] 11 p1815 N91-19969
Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations for Fiscal Year 1991, part 2
[S-HRG-101-1099-PT-2] 12 p1999 N91-21006
National Aeronautics and Space Administration
12 p1999 N91-21007

COMMITTEE ON COMMERCE, SCIENCE, AND TRANSPORTATION (U.S. SENATE).
National Aeronautics and Space Administration Authorization Act, fiscal year 1991
[S-REPT-101-455] 04 p0607 N91-13376
Global change: What you can do
[S-HRG-101-1160] 11 p1732 N91-19528
Hubble Space Telescope and the space shuttle problems
[S-HRG-101-1087] 11 p1816 N91-19974
NASA authorizations
[S-HRG-101-981] 13 p2170 N91-21977
NASA overview 13 p2170 N91-21978
NASA space shuttle/space station
13 p2170 N91-21979
Mission to Planet Earth 13 p2170 N91-21980
Aeronautics and space technology
13 p2171 N91-21981
Space science and applications
13 p2171 N91-21982
Commercial space programs
13 p2171 N91-21983

National Aeronautics and Space Administration Authorization Act, Fiscal Year 1992
[S-REPT-102-97] 19 p3263 N91-28048

COMMITTEE ON SCIENCE, SPACE AND TECHNOLOGY (U.S. HOUSE).
National Aeronautics and Space Administration Multiyear Authorization Act of 1990
[H-REPT-101-763] 04 p0607 N91-13377
Commercial Space Launch Act implementation
[GPO-27-944] 11 p1815 N91-19968
National Aeronautics and Space Administration Multiyear Authorization Act of 1991
18 p3083 N91-27046
National Aeronautics and Space Administration Multiyear Authorization Act of 1991
[H-REPT-102-41] 19 p3263 N91-28047

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, ASPENDALE (AUSTRALIA).
Atmospheric methane data for the period 1986-1988 from the NOAA/CMDL global cooperative flask sampling network
[PB91-129122] 13 p2112 N91-21626

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION, EPPING (AUSTRALIA).
Are extremely luminous far-infrared galaxies the result of merging quasar cores 08 p1255 N91-16912

COMMUNICATIONS AND WEATHER RESEARCH FOUNDATION, JACKSONVILLE, FL.
Guidelines for a proposed lightning protection policy of a golf association or tournament sponsor
24 p4069 N91-32735

COMMUNICATIONS RESEARCH CENTRE, OTTAWA (ONTARIO).
Duct model for the duty-cycle variation of the plasma-line overshoot during cyclic heating at Arecibo
10 p1548 N91-18517
Diversity performance in frequency-hopped 8-ary signals-implementation and measurements
[AD-A229986] 12 p1881 N91-20340
Improving the ECCM performance of fast frequency hopping by diversity combining
16 p2616 N91-24479
Eigenvector weighting as an adaptive array interference cancellation technique 22 p3659 N91-30370

COMMUNICATIONS SATELLITE CORP., CLARKSBURG, MD.
Summary of the First ACTS Propagation Workshop
03 p0350 N91-11955
A I-V analysis of irradiated Gallium Arsenide solar cells 22 p3638 N91-30242
Physical and chemical analysis of a Ni/H2 cell
24 p4037 N91-32555

COMMUNICATIONS SATELLITE CORP., WASHINGTON, DC.
Electromagnetically coupled microstrip antennas having feeding patches capacitively coupled to feedlines
[PATENT-1-263-181] 23 p3853 N91-31480
Operational SATCOM: Moving from trials to service
24 p3957 N91-32111

COMPAGNIA ITALIANA SERVIZI TECNICI, ROME.
Future mission control center: An operative scenario
14 p2210 N91-22208
An application of timed Petri nets to S/C operations analysis: The Aristoteles autonomy concept
14 p2215 N91-22241
The requirements on data systems of Columbus logistics and engineering support 14 p2219 N91-22264
Telescience experiment integration and evaluation exercise 14 p2224 N91-22297

COMPAGNIE D'ELECTRONIQUE ET DE PIEZO-ELECTRICITE, ARGENTEUIL (FRANCE).
Qualification status of hybrid crystal oscillators style OTO 16S for space application 24 p3994 N91-32322

COMPAGNIE MARITIME D'EXPERTISES, MARSEILLE (FRANCE).
Long duration hyperbaric confinement: Hydra 9
15 p2450 N91-23571
Comparisons between underwater and space working environments for on board activities optimization (Columbus space programme) 15 p2450 N91-23574
Neutral buoyancy and microgravity: Extravehicular activities with a humid water suit
15 p2451 N91-23579

COMPANHIA ESPACIAL PORTUGUESA LTD., LISBON.
The Berlenga underwater survey project
15 p2451 N91-23577

COMPONENTS TECHNOLOGY INST., INC., HUNTSVILLE, AL.
The history of space quality EEE parts in the United States 24 p4002 N91-32370

COMPRIMO B.V., AMSTERDAM (NETHERLANDS).
Safety analysis in test facility design
07 p0951 N91-15224
Simulation of the dynamic behaviour of the gas supply system for large acoustic facilities
07 p0954 N91-15247

COMPUTATIONAL LOGIC, INC., AUSTIN, TX.
Machine-checked proofs of the design and implementation of a fault-tolerant circuit
[NASA-CR-182099] 07 p1048 N91-15752
What can formal methods offer to digital flight control systems design 09 p1377 N91-17566
The design and proof of correctness of a fault-tolerant circuit 09 p1377 N91-17569
Hardware verification at Computational Logic, Inc.
09 p1378 N91-17571
Report on the formal specification and partial verification of the VIPER microprocessor
[NASA-CR-187540] 19 p3218 N91-27786

COMPUTATIONAL MECHANICS CO., AUSTIN, TX.
Solid rocket booster internal flow analysis by highly accurate adaptive computational methods
[NASA-CR-184141] 13 p2043 N91-21239
Non-algorithmic issues in automated computational mechanics
[AD-A238322] 22 p3727 N91-30744

COMPUTATIONAL PHYSICS SYSTEM, ANN ARBOR, MI.
The L sub 1 finite element method for pure convection problems
[NASA-TM-103773] 16 p2677 N91-24817

COMPUTATIONAL SYSTEMS, INC., KNOXVILLE, TN.
Diagnostic tools for reciprocating engine systems
[PB91-184960] 23 p3879 N91-31645

COMPUTER ANWENDUNG FUER MANAGEMENT G.M.B.H., MUNICH (GERMANY, F.R.).
An automated spacecraft control implementation for Usingen (Fed. Republic of Germany) SCC
14 p2209 N91-22199
Rosat mission planning 14 p2214 N91-22232
The use of databases in ground data systems for spacecraft control 14 p2222 N91-22286
High rate telemetry for the Spacelab D-2 mission
14 p2224 N91-22299

COMPUTER RESOURCE MANAGEMENT, INC., ATLANTIC CITY, NJ.
Implementation of the FAA research and development electromagnetic database 24 p4066 N91-32715

COMPUTER RESOURCE MANAGEMENT, INC., HERNDON, VA.
National airspace system. Communications operational concept NAS-SR-136
[DOT/FAA/SE-91/1] 16 p2557 N91-24185
Navigation operational concept
[NAS-SR-134] 22 p3616 N91-30117

COMPUTER RESOURCE MANAGEMENT, INC., PLEASANTVILLE, NJ.
Software quality metrics
[DOT/FAA/CT-91/1] 23 p3908 N91-31814

COMPUTER RESOURCES INTERNATIONAL A/S (DENMARK).
PlanERS-1: Towards a new generation of mission planning systems 14 p2213 N91-22225
Expert operator's associate: An expert system for spacecraft control 14 p2217 N91-22253
The design of error tolerant interfaces
14 p2220 N91-22270
Optimum-AIV: A planning and scheduling system for spacecraft AIV 14 p2312 N91-22770
Expert operator's associate: A knowledge based system for spacecraft control 14 p2315 N91-22786
A procedural expert system for spacecraft command and control 15 p2453 N91-23591

COMPUTER SCIENCES CORP., ATHENS, GA.
Preliminary testing, evaluation and sensitivity analysis for the Terrestrial Ecosystem Exposure Assessment Model (TEEAM)
[PB91-161711] 18 p3006 N91-26602

COMPUTER SCIENCES CORP., BELTSVILLE, MD.
A comparison of operationally determined atmospheric densities from satellite orbit solutions and the exospheric temperature from the Jacchia-Roberts model
09 p1289 N91-17083
Validation and verification of expert systems
14 p2315 N91-22787

COMPUTER SCIENCES CORP., CALVERTON, MD.
Research studies with the International Ultraviolet Explorer
[NASA-CR-183495] 23 p3939 N91-32012

COMPUTER SCIENCES CORP., GREENBELT, MD.
The helium strong stars of the Ori OB1 association
09 p1443 N91-17957

COMPUTER SCIENCES CORP., HAMPTON, VA.
Pressure visualization (PreViz) package version 1.0 user's guide
[NASA-CR-187444] 05 p0701 N91-13907
Analytic Patch Configuration (APC) gateway version 1.0 user's guide
[NASA-CR-187464] 07 p1048 N91-15751
Spacecraft Orbit Design and Analysis (SODA). Version 2.0: User's guide
[NASA-CR-187494] 09 p1386 N91-17625
Transferable Output ASCII Data (TOAD) gateway: Version 1.0 user's guide
[NASA-CR-187489] 11 p1775 N91-19737

COMPUTER SCIENCES CORP., LANHAM, MD.
Attitude sensor alignment calibration for the solar maximum mission 09 p1287 N91-17075
IUE final archive 09 p1432 N91-17887
Science observations with the IUE using the one-gyro mode 09 p1447 N91-17979
The archival reprocessing of IUE data. 3: Results of the new processing method for IUE data
09 p1448 N91-17988

COMPUTER SCIENCES CORP., LAUREL, MD.
The in-flight calibration of the Hubble space telescope attitude sensors
[NASA-CR-183485] 23 p3938 N91-32007

COMPUTER SCIENCES CORP., MOFFETT FIELD, CA.
A survey of parallel programming tools
[NASA-CR-188680] 19 p3233 N91-27874

COMPUTER SCIENCES CORP., MONTEREY, CA.
ExperCAT: An Expert system for analysis and short-term prediction of Clear Air Turbulence
[AD-A237588] 22 p3710 N91-30645

COMPUTER SCIENCES CORP., RESEARCH TRIANGLE PARK, NC.
Estimating lightning-generated NOx emissions for regional air pollution models
[PB91-131664] 11 p1736 N91-19546
Regional Oxidant Model Multi-Processor (ROMMP)
[PB91-131680] 11 p1736 N91-19547
Modal aerosol dynamics modeling
[PB91-161729] 18 p3006 N91-26598
Regional oxidant model user's guide. Part 3: The core model
[PB91-171942-PT-3] 19 p3188 N91-27627
Regional oxidant model user's guide. Part 1: The ROM preprocessors
[PB91-171926] 20 p3369 N91-28665
Regional oxidant model user's guide. Part 2: The ROM processor network
[PB91-171934] 20 p3369 N91-28666
Wind field development for the EPA regional oxidant model
[PB91-191213] 22 p3710 N91-30648

COMPUTER SCIENCES CORP., SHREWSBURY, NJ.
Real-time requirements annex for Ada reusability
[AD-A229354] 22 p3722 N91-30715

COMPUTER SCIENCES CORP., SILVER SPRING, MD.
COBE attitude as seen from the FDF
09 p1287 N91-17078
Accuracy of the ERBS definitive attitude determination system in the presence of propagation noise
09 p1288 N91-17079
A method of determining attitude from magnetometer data only 09 p1291 N91-17094
Calculation of double-lunar swingby trajectories: Part 2: Numerical solutions in the restricted problem of three bodies 09 p1292 N91-17100
Constant propellant use rendezvous scenario across a launch window for refueling missions
09 p1293 N91-17104

COMPUTER SOFTWARE MANAGEMENT AND INFORMATION CENTER, ATHENS, GA.
Nineteenth NASTRAN (R) Users' Colloquium
[NASA-CP-3111] 12 p1911 N91-20506

COMPUTER TECHNOLOGY ASSOCIATES, INC., ROCKVILLE, MD.
National plan for aviation human factors, volume 1
[PB91-100339] 13 p2128 N91-21712
National plan for aviation human factors, volume 2
[PB91-100347] 13 p2128 N91-21713
Alternative life cycle models for spacecraft mission operations software development
14 p2218 N91-22260
Astromag phase A assembly and servicing operations report
[NASA-CR-186262] 15 p2386 N91-23206
Astromag data system concept
[NASA-CR-186341] 15 p2387 N91-23211

COMPUTER TECHNOLOGY ASSOCIATES, INC., MCKEE CITY, NJ.
Summary of the FAA low data rate voice CODEC evaluation and demonstration program
04 p0461 N91-12578
Aeronautical Mobile Satellite Service (AMSS) capacity analysis and protocol performance simulation plan
[DOT/FAA/CT-TN90/35] 07 p0962 N91-15295
Simulation of quadruple simultaneous parallel ILS approaches at D/FW, phase 3
[DOT/FAA/CT-90/15] 10 p1469 N91-18102
CODEC test plan, phase 3
[AD-A230395] 12 p1832 N91-20068

Aeronautical Mobile Satellite Service (AMSS) message and voice access request transit delay
24 p3956 N91-32107

A model human engineering approach to the development of regulatory standards for digital communication technologies: Defining safety from a human-machine systems perspective
24 p3959 N91-32126

COMTEK CO., GRAFTON, VA.
Large Angle Transient Dynamics (LATDYN) demonstration problem manual
[NASA-CR-4400] 23 p3885 N91-31684

Large Angle Transient Dynamics (LATDYN) user's manual
[NASA-CR-4401] 23 p3886 N91-31685

A finite element approach for the dynamic analysis of joint-dominated structures
[NASA-CR-4402] 23 p3886 N91-31686

CONCORDIA UNIV., LOYOLA CAMPUS, MONTREAL (QUEBEC).
Numerical analysis and modelling techniques
19 p3147 N91-27393

Study of transient jet gases
[CTN-91-60202] 22 p3676 N91-30470

CONCORDIA UNIV., MONTREAL (QUEBEC).
Research on complex decision making, knowledge representation, and the transfer of existing system to ARI
[AD-A225447] 03 p0429 N91-12400

CONCURRENT COMPUTER CORP., WESTFORD, MA.
A new generation of real-time DOS technology for mission-oriented system integration and operation
11 p1774 N91-19725

CONGRESS OF THE UNITED STATES, WASHINGTON, DC.
National Aeronautics and Space Administration Authorization Act, Fiscal Year 1991
[PUB-LAW-101-611] 12 p2000 N91-21008

CONGRESSIONAL RESEARCH SERVICE, WASHINGTON, DC.
Outer space: What should be the US Government policy toward the region beyond Earth's atmosphere. National debate topic for high schools, 1990-1991
[PB90-255464] 06 p0886 N91-14896

CONNECTICUT UNIV., GROTON.
Helium isotopic constraints on terrestrial degassing and the transcrustal transport of mantle methane
[PB91-206458] 24 p4044 N91-32594

CONNECTICUT UNIV., STORRS.
Nonlinear joint transform processor
[AD-A225091] 03 p0418 N91-12339

A theory of forest dynamics: Spatially explicit models and issues of scale
[NASA-CR-187645] 04 p0542 N91-13009

Fixed sample and sequential problems with applications in reliability
[AD-A234547] 18 p2996 N91-26547

Stochastic adaptive control and estimation enhancement
[AD-A235513] 19 p3233 N91-27878

Global optimality, conservativity and singularity in redundancy resolution of robotic manipulators
21 p3527 N91-29593

Prediction of edge stresses in layered media using the surface integral-finite element technique
21 p3531 N91-29614

Multivariate multiscale analysis
[AD-A229502] 22 p3743 N91-30857

CONSERVATION AND RENEWABLE ENERGY INQUIRY AND REFERRAL SERVICE, SILVER SPRING, MD.
Electric vehicles
[DE91-004821] 10 p1519 N91-18362

CONSERVATOIRE NATIONAL DES ARTS ET METIERS, PARIS (FRANCE).
Evaluation and modeling of delamination under static and cyclic loading
10 p1493 N91-18218

CONSERVE RESOURCES, INC., PRESCOTT, WA.
Rotary absorption heat pump sensitivity analysis
[DE90-010006] 08 p1137 N91-16256

CONSIGLIO NAZIONALE DELLE RICERCHE, FLORENCE (ITALY).
Remote sensing of the sea at IROE/CNR
15 p2455 N91-23604

Polar stratospheric cloud measurements by means of depolarization lidar in the Antarctic
24 p4034 N91-32537

CONSIGLIO NAZIONALE DELLE RICERCHE, FRASCATI (ITALY).
Fast estimation of the variance of a narrowband process
[IFSI-90-16] 01 p0035 N91-10209

UV observations of Herbig-Haro objects associated with bipolar molecular outflows: HH 7, HH 11 and HH 29
[IFSI-90-9] 01 p0139 N91-10819

The empirical geomagnetic parameter infer near-Earth interplanetary shocks
[IFSI-90-14] 01 p0139 N91-10820

Data analysis of hollow cathode experiment to support electrodynamic tether applications
[IFSI-89-16] 02 p0187 N91-11047

Instrumenting a room temperature gravitational radiation antenna for sub-Kelvin temperatures
[IFSI-90-20] 02 p0204 N91-11143

The rotation of Lageos
[IFSI-90-10] 02 p0239 N91-11333

Generalized back-action evasion schemes for the detection of weak classical forces
[IFSI-90-19] 02 p0269 N91-11508

Ion dynamics in the plasma mantle
[IFSI-89-20] 02 p0276 N91-11550

The SIM.PL.EX. plasma chamber (Simulatori di Plasma Extraterrestre)
[IFSI-90-8] 02 p0276 N91-11551

The visible channel of OMEGA-VIMS, Mars-94
[IFSI-90-1] 03 p0439 N91-12454

Activities report of the Institute of Planetary Space Physics
[IFSI-90-11] 04 p0488 N91-12714

Planetary Fourier spectrometer or Research On Martian Atmosphere by Means of Spectroscopic Key Absorptions (ROMA-MOSKA): A Michelson interferometer for atmospheric studies on board Mars 94 mission
[IFSI-90-7] 04 p0609 N91-13389

VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390

Scientific activities program of the Institute of Planetary Space Physics for the year 1990
[IFSI-90-12] 04 p0611 N91-13398

Funds request for 1990. The cryogenic gravitational antenna (T = 2.0 K) ALTAIR
[IFSI-90-2] 05 p0651 N91-13615

Cryostat for the gravitational antenna ALTAIR
[IFSI-90-3] 05 p0651 N91-13616

Design of a mechanical modulator for the planetary Fourier spectrometer experiment of the MARS 94 mission
[IFSI-89-22] 05 p0669 N91-13717

Methodology to treat stellar images
[IFSI-89-21] 05 p0733 N91-14094

Design of a He4 cooling system for a cryostat working at 1K
[IFSI-89-17] 06 p0815 N91-14502

Measurement of the gravitomagnetic field using a pair of laser ranged satellites 06 p0845 N91-14670

Graphics software for the HP825/9000 IFSI system
[IFSI-89-18] 06 p0858 N91-14735

Multifrequency behaviour of the T Tauri star RU Lupi
09 p1433 N91-17892

The VV Cep star KQ Puppis 09 p1438 N91-17924

Multifrequency behaviour of the x ray/Be system A0535+26/HDE 245770 at the periastron passage in March - April 1989 09 p1439 N91-17929

CONSIGLIO NAZIONALE DELLE RICERCHE, GENOA (ITALY).
Meniscus stability in immiscible metals (MASER 1)
23 p3843 N91-31428

CONSIGLIO NAZIONALE DELLE RICERCHE, ROME (ITALY).
Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, March 1990
[IFSI-90-15] 01 p0141 N91-10833

Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, April 1990
[IFSI-90-18] 01 p0141 N91-10834

On the autoregression methods applied to the hourly nucleonic-component records
[IFSI-89-19] 01 p0142 N91-10837

Cosmic-ray intensity increase observed on September 29, 1989: The Chilean neutron monitor data (brief report)
[IFSI-90-4] 01 p0142 N91-10838

Optimization models and techniques to improve air traffic management 02 p0173 N91-10988

Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, January 1990
[IFSI-90-5] 02 p0295 N91-11653

Plots of the 5-minute neutron monitor intensity and multiplicities recorded by the Rome 17-NM64, February 1990
[IFSI-90-6] 02 p0295 N91-11654

CONSIGLIO NAZIONALE DELLE RICERCHE, TURIN (ITALY).
Meteorological use of a space-borne SAR imaging the ocean surface 07 p0993 N91-15447

CONSTRUCCIONES AERONAUTICAS S.A., MADRID (SPAIN).
Compact payload test range: Reflectors development
03 p0326 N91-11815

The development of the Ariane-4 adaptor 937B
03 p0327 N91-11823

Perspectives of European activities in space
07 p0947 N91-15196

Thermal distortion measurement on antenna-reflectors by real-time holographic interferometry in ambient pressure 07 p0958 N91-15269

General configuration aspects on airlifter design
10 p1463 N91-18070

Nonlinear analysis of composite shear webs with holes and correlation with tests 16 p2645 N91-24642

Tests of salinic clouds in test tube of the 7075 carbon fiber with metal mesh (Airbus 330/340)
[INFORME-I-520/90] 24 p3970 N91-32175

Resistance of perished paints to Skydrol
[INFORME-I-536/90] 24 p3978 N91-32223

CONSTRUCTION TECHNOLOGY LABS., SKOKIE, IL.
Lunar cement and lunar concrete
17 p2915 N91-26093

CONSULTANTS CHOICE, INC., ATLANTA, GA.
OSIRRUS: Oceanic symbolic image representation, recognition and understanding software
[AD-A235112] 18 p3018 N91-26665

CONTEL FEDERAL SYSTEMS, INC., CHANTILLY, VA.
Direct broadcast satellite-radio market, legal, regulatory, and business considerations
[NASA-CR-187093] 12 p1890 N91-20390

Traffic model for advanced satellite designs and experiments for ISDN services
[NASA-CR-188802] 23 p3801 N91-31200

Interim Service ISDN Satellite (ISIS) network model for advanced satellite designs and experiments
[NASA-CR-186565] 23 p3854 N91-31488

CONTEL TECHNOLOGY CENTER, CHANTILLY, VA.
Advanced Satellite Research Project: SCAR Research Database. Bibliographic analysis
[NASA-CR-186086] 18 p2933 N91-26182

CONTINUOUS ELECTRON BEAM ACCELERATOR FACILITY, NEWPORT NEW, VA.
A beam position monitor for low current dc beams
[CEBAF-PR-89-004] 06 p0871 N91-14816

Polarization phenomena in electromagnetic interactions at intermediate energies
[DE91-005095] 07 p0995 N91-15459

CONTINUUM DYNAMICS, INC., PRINCETON, NJ.
Free wake analysis of hover performance using a new influence coefficient method
[NASA-CR-4309] 11 p1641 N91-19050

A new methodology for free wake analysis using curved vortex elements
[NASA-CR-3958] 11 p1644 N91-19067

Feasibility of an onboard wake vortex avoidance system
[NASA-CR-187521] 11 p1645 N91-19074

CONTRAVES CORP., ZURICH (SWITZERLAND).
Optical interferometer systems in space: Configuration and structure concepts using space rigidized elements
03 p0327 N91-11819

CONTRAVES G.M.B.H., STOCKACH (GERMANY, F.R.).
Application of modelling and signal processing in air defence 07 p1046 N91-15740

CONTRAVES GOERZ CORP., PITTSBURGH, PA.
The Improved Three Axis Test Table (ITATT): Program status and recommendation for completion
[AD-A226508] 05 p0668 N91-13712

CONTRAVES ITALIANA, ROME.
SMA applications in an innovative multishot deployment mechanism 16 p2642 N91-24622

CONTROL DYNAMICS CO., HUNTSVILLE, AL.
Mechanism test bed. Flexible body model report
[NASA-CR-184189] 22 p3624 N91-30161

COOPERATIVE INST. FOR RESEARCH IN THE ATMOSPHERE, FORT COLLINS, CO.
Case study analysis of clustering applied to VAS measurements
[PB91-127829] 13 p2120 N91-21666

COORDINATING RESEARCH COUNCIL, INC., ATLANTA, GA.
CRC program for quantifying performance of knock-sensor-equipped vehicles with varying octane level
[AD-A227340] 06 p0834 N91-14612

CRC volatility program on the effect of oxygenated fuels and altitude on cold-start drivability at low ambient temperatures
[AD-A227571] 08 p1123 N91-16171

Aerosol formation in atmospheric mixtures
[PB91-129114] 11 p1739 N91-19560

Survey of current aircraft engine conditions
[AD-A235143] 18 p2926 N91-26144

COPENHAGEN OBSERVATORY (DENMARK).
Carlsberg Meridian catalogue La Palma. Number 4: Observations of positions of stars and planets: May 1984 to February 1988
[ISBN-84-7469-048-X] 03 p0435 N91-12434

The autocorrelation function of the North Pole dust
06 p0887 N91-14901

COPENHAGEN UNIV. (DENMARK).
Fields of application of the processing of natural languages with the help of artificial intelligence
17 p2875 N91-25906

COPPIN STATE COLL., BALTIMORE, MD.
Predicting polymer properties by computational methods. Part 1: Polyvinyl chloride and its homologs
[AD-A235434] 19 p3137 N91-27333

CORNELL UNIV., ITHACA, NY.
Designing application software in wide area network settings
[NASA-CR-187333] 01 p0109 N91-10633
A mathematical model of the structure and evolution of small scale discrete auroral arcs
[NASA-CR-187238] 01 p0124 N91-10734
Large scale structures in nonzero Lambda Friedmann universes 01 p0137 N91-10812
Thermal stress-induced grain boundary cavitation in narrow, aluminum alloy metallizations
02 p0195 N91-11093
Surface phases and their influence on metal-oxide interfaces
[DE90-017608] 02 p0196 N91-11099
Metal/semiconductor interactions
03 p0340 N91-11904
Low-dimensional, chaotic, nonplanar motions of the elastica: Experiment and theory
03 p0375 N91-12100
Transient stress waves in trusses and frames
03 p0376 N91-12102
Time dependence of the displacement fields around fiber breaks in a composite with a power-law creeping matrix
03 p0377 N91-12106
Vibration suppression of flexible structures using colocated velocity feedback and nonlocal actuator control 03 p0377 N91-12108
A damage integral approach for low-cycle isothermal and thermal fatigue 03 p0378 N91-12110
Microfabrication technology for photonics
[AD-A225428] 03 p0419 N91-12343
New views in the near infrared: A Fabry-Perot interferometer for galactic and extragalactic astronomy
03 p0433 N91-12428
Fellowship in parallel and distributed computing
[AD-A225926] 04 p0568 N91-13149
Programming the data structure accelerator
[AD-A226334] 04 p0568 N91-13151
Plasma physics applications to intense radiation sources, pulsed power, and space physics
[AD-A226666] 04 p0586 N91-13272
Theory of finite disturbances in a centrifugal compression system with a vaneless radial diffuser
[NASA-CR-187049] 05 p0623 N91-13458
Fractals and chaotic dynamics in tectonics: Applications to topography and seismicity 05 p0687 N91-13821
The ISIS project: Fault-tolerance in large distributed systems
[NASA-CR-186625] 05 p0704 N91-13928
Energy input and HI spin temperatures in low pressure regions 05 p0747 N91-14163
ISIS and META projects
[NASA-CR-186413] 06 p0857 N91-14731
The ISIS project: Real experience with a fault tolerant programming system
[NASA-CR-187029] 06 p0857 N91-14732
Prediction of XV-15 tilt rotor discrete frequency aeroacoustic noise with WOPWOP
[NASA-CR-187684] 06 p0869 N91-14803
Ultra high speed compound semiconductors and real time signal processing
[AD-A226790] 06 p0880 N91-14863
The pre- and post-accretion irradiation history of cometary ices 06 p0907 N91-15007
Tailoring the structure and mechanical properties of metal-ceramic interfaces 07 p0983 N91-15398
Design of submicron-scale compound semiconductor devices for optimum circuit performance
[AD-A227867] 07 p1075 N91-15914
A search for streaming motion around the Hercules void 07 p1085 N91-15966
Conversion of acetic acid to methane by thermophiles
[DE90-010993] 08 p1108 N91-16086
In situ studies of potential dependent structural and distributional changes at electrochemical interfaces with x rays
[AD-A226844] 08 p1110 N91-16098
Chemisorption of carbon monoxide on three metal surfaces: Ni(111), Pd(111) and Pt(111): A comparative study
[AD-A228579] 08 p1112 N91-16108
Unsteady separation over maneuvering bodies
[AD-A226829] 08 p1142 N91-16285
Probabilistic fracture mechanics: A validation of predictive capability
[AD-A228877] 08 p1164 N91-16409
The effect of latent heat release on synoptic-to-planetary scale wave interactions and implications for satellite observations: Observational study
08 p1185 N91-16515
Fabrication and electrical characterization of deep-submicron trench-isolated CMOS device structures
08 p1234 N91-16802
A comparative study of the chemisorption of ethylene on three metal surfaces: Ni(111), Pd(111) and Pt(111)
[AD-A228534] 09 p1308 N91-17178
Study of plasma waves and wave particle interactions in space
[AD-A227539] 09 p1362 N91-17488
Parallel algorithms for real time signal processing
[AD-A228592] 09 p1382 N91-17602
Superconducting materials and devices
[AD-A228950] 09 p1412 N91-17774
Using process groups to implement failure detection in asynchronous environments
[NASA-CR-187978] 10 p1574 N91-18663
Tools for monitoring and controlling distributed applications
[NASA-CR-187977] 10 p1574 N91-18664
Lightweight causal and atomic group multicast
[NASA-CR-187976] 10 p1575 N91-18665
Systems near the onset and in the well-developed regimes of turbulence
[DE91-008148] 11 p1704 N91-19382
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
Voltammetric measurement of bimolecular electron-transfer rates in low ionic strength solutions
[AD-A229913] 12 p1865 N91-20245
Consistent detection of global predicates
[NASA-CR-188078] 12 p1960 N91-20783
The PDF method for turbulent combustion
13 p2014 N91-21080
A plane-sweep algorithm for exact simulation of a quasi-static mechanical system of compliantly-connected rigid bodies (extended abstract)
[AD-A231324] 13 p2098 N91-21550
Historical development of the windmill
[NASA-CR-4337] 13 p2112 N91-21625
Fast algorithms for signal processing
[AD-A231226] 13 p2136 N91-21759
A study of rotor broadband noise mechanisms and helicopter tail rotor noise
[NASA-CR-177565] 13 p2147 N91-21829
The effect of microstructure on the thermal conductivity of ZnS/diamond composites
[AD-A231349] 13 p2163 N91-21928
Bonding at metal-ceramic interfaces in hybrid materials
[AD-A231883] 14 p2240 N91-22390
Workshop on High Temperature Metal-Ceramic Composites
[AD-A231945] 14 p2240 N91-22394
Theory and simulation of fluids of associated chain molecules
[DE91-009873] 14 p2266 N91-22535
Programming with process groups: Group and multicast semantics
[NASA-CR-187975] 14 p2303 N91-22722
Masking failures of multidimensional sensors (extended abstract)
[NASA-CR-188120] 14 p2308 N91-22752
An experimental method for studying combustion of an unsupported fuel droplet at reduced gravity
15 p2397 N91-23273
Mass resolved resonance ionization spectroscopy of combustion radicals
[DE91-010603] 15 p2398 N91-23276
Characterization of the glass transition using a microindenter
[AD-A232154] 15 p2398 N91-23282
An experimental study of flamelet surfaces in turbulent combustion
[AD-A232342] 15 p2399 N91-23284
Dissolution of Poly(p-hydroxystyrene): Molecular weight effects
[AD-A232155] 15 p2406 N91-23323
Development and utilization of new diagnostics for dense-phase pneumatic transport
[DE91-008947] 15 p2409 N91-23339
Fundamental studies of electronic packaging materials and structures: Surface and interfaces
[AD-A232336] 15 p2420 N91-23403
Block implicit multigrid solution of the Euler equations
15 p2421 N91-23413
Incoherent scatter measurements and inferred energy fluxes in the equatorial F-region ionosphere
15 p2462 N91-23640
Large scale turbulence in the equatorial electrojet
15 p2462 N91-23643
Dynamic load balancing on highly parallel multicomputer systems 15 p2488 N91-23777
Wavelength independent optical lithography and microscopy
[AD-A232036] 15 p2508 N91-23896
An observational study of arm structure in normal spiral galaxies 15 p2528 N91-24007
Observation and theory of the radar aurora
15 p2530 N91-24017
Saturn's F ring: Imaging and simulation
15 p2533 N91-24032
Focal theoretical problems in modulated and martensitic transformations in alloys and perovskites
[DE91-010610] 16 p2602 N91-24417
The detection of the formyl radical for studies of the flame zone chemistry of solid propellants
[AD-A233302] 16 p2611 N91-24457
Two theoretical studies of stability of swirling flows
16 p2622 N91-24521
Alfven waves and static fields in magnetosphere/ionosphere coupling: In-situ measurements and a numerical model
16 p2656 N91-24696
Ionospheric processes associated with intense subauroral electric fields 16 p2656 N91-24697
Using consistent subcuts for detecting stable properties
[NASA-CR-187844] 16 p2667 N91-24759
Advanced technology for improved quantum device properties using highly strained materials
[AD-A233109] 16 p2694 N91-24916
Voyager infrared observations of the outer solar system 16 p2701 N91-24958
Nonlinear dynamics and control of flexible structures
[AD-A235186] 18 p2935 N91-26191
Incoherent scatter radar observations of the ionosphere 18 p3010 N91-26623
The process group approach to reliable distributed computing
[NASA-CR-188498] 18 p3044 N91-26804
Charge exchange in ion-surface scattering at hyperthermal (10-100 eV) and keV energies
[AD-A235233] 18 p3059 N91-26899
Photogenerated amines and diamines: Novel curing systems for thin film coatings
[AD-A235568] 19 p3117 N91-27219
From chemisorption to mechanism on surfaces: An exploration of the pyrolysis of triisobutylaluminum in the chemical vapor deposition of aluminum thin films
[AD-A235879] 19 p3125 N91-27263
Synthesis, structure, and properties of anti-perovskite nitrides Ca3MN, M=P, As, Sb, Bi, Ge, Sn, and Pb
[AD-A236589] 19 p3126 N91-27273
Numerical investigation of turbulent flame sheets
[AD-A236650] 19 p3127 N91-27274
Synthesis, structure, and properties of a new intermetallic compound, Ca7Ni4Sn13
[AD-A236702] 19 p3135 N91-27321
Photogeneration of reactive amine functionalities within polymers: Synthesis of photoprecursor copolymers and their use in photocuring
[AD-A235847] 19 p3139 N91-27343
The photogeneration of organic bases from o-nitrobenzyl derived carbamates
[AD-A235848] 19 p3139 N91-27344
Underpotential deposition of silver on Pt(111). Part 1: Concentration dependence
[AD-A236692] 19 p3159 N91-27466
Solid state quantum yield determination of a novel base photogenerator
[AD-A235686] 19 p3168 N91-27514
Derivation of sequential, real-time, process-control programs
[NASA-CR-185433] 19 p3218 N91-27785
Masking failures of multidimensional sensors
[AD-A235580] 19 p3219 N91-27790
Investigation of the Si(111)-(/3x/3)R30 C-boron surface reconstruction by simulated annealing
[AD-A235671] 19 p3241 N91-27926
Ultra-high frequency superconductive devices
[AD-A236795] 20 p3337 N91-28478
Evidence of vibrational mode-coupling in 2-fluorethanol via high resolution infrared spectroscopy in a molecular beam
[AD-A236132] 20 p3396 N91-28821
High resolution infrared spectroscopy of 2-fluorethanol in a molecular beam
[AD-A236149] 20 p3396 N91-28822
The structure of Ta3N5 at 16K by time-of-flight neutron diffraction
[AD-A236596] 20 p3423 N91-28987
Surface phases and their influence on metal-oxide interfaces
[DE91-012277] 20 p3425 N91-28995

Defect studies in III-V thin film semiconductors
[DE91-012746] 20 p3427 N91-29011
Synthesis and properties of novel cluster phases
[DE91-013006] 20 p3428 N91-29013
Defects and transport in mixed oxides
[DE91-014443] 20 p3434 N91-29049
Observational constraints on pulsars: Location of the emission region and pulse shape stability on decade time scales 20 p3442 N91-29097
Defects and transport in mixed oxides
[DE91-014537] 21 p3474 N91-29266
Deformation and thermal fatigue in high temperature austenitic alloys
[DE91-014981] 21 p3480 N91-29305
Reactions of hydrogen atoms important to the decomposition of energetic materials
[AD-A238482] 21 p3576 N91-29890
Thermodynamics of the liquid mixture carbon dioxide + butane below 285 K
[PB91-185009] 22 p3648 N91-30302
Thermodynamics of the liquid mixture krypton + xenon up to 190 K
[PB91-185025] 22 p3648 N91-30303
Passive Q-switching of a diode-pumped neodymium:YAG laser 22 p3682 N91-30504
A program of continuing research on representing, manipulating, and reasoning about physical objects
[AD-A239596] 23 p3881 N91-31659
Innovative optoelectronic materials and structures using OMVPE
[AD-A239518] 23 p3928 N91-31951
Studies of the III-V compounds in the megabar regime
[DE91-015911] 23 p3932 N91-31973

CORVALLIS ENVIRONMENTAL RESEARCH LAB., OR.
Biodiversity and human impacts
[PB90-263963] 09 p1370 N91-17530
National stream survey database guide
[PB91-141804] 15 p2459 N91-23625
Ecological exposure and effects of airborne toxic chemicals: An overview
[PB91-148460] 18 p3005 N91-26594

COUNCIL FOR NATIONAL ACADEMIC AWARDS (ENGLAND).
A zero-dimensional model of turbulent combustion in a homogeneous charge spark ignition engine 03 p0336 N91-11885
Simulation and detection of transverse cracks in rotors. 03 p0372 N91-12086
Turbine blade heat transfer coefficient determination using optical pyrometry 03 p0373 N91-12089
Fibre-linked miniature laser transit anemometer for complex flow fields 05 p0662 N91-13678
Finite element and boundary element methods for elastoplastic stress analysis of two-dimensional and axisymmetric problems 05 p0675 N91-13755
The rotation of Venus and its atmosphere 06 p0929 N91-15112
Far-field boundaries and their numerical treatment 08 p1141 N91-16281
Solar refrigeration: Evaluation of technical options and design of a solar-generator-adsorber for a novel adsorption refrigerator, volumes 1 and 2 08 p1169 N91-16440
Experimental studies on bulk and thick film high Tc superconductors 09 p1412 N91-17771
A study of the end point path geometry in meteor burst systems using a microcomputer signal logger 15 p2529 N91-24012
Relationships between polymer-additive molecular structure and intumescent flame retardant behavior 20 p3327 N91-28426
Prediction of the flow and heat transfer between a rotating and a stationary cone 20 p3347 N91-28536
An investigation of Nova Persei (1901) and its environment 21 p3605 N91-30059
The simulation of fluid flow processes using vector processors 22 p3643 N91-30276
Vibration control in rotating machinery using variable dynamic stiffness hydrostatic squeeze-films 22 p3686 N91-30521

COUNCIL ON ENVIRONMENTAL QUALITY, WASHINGTON, DC.
National acid precipitation assessment program. Report to the President and Congress
[PB90-185646] 01 p0067 N91-10405
Environmental trends
[DE90-010530] 08 p1171 N91-16450
National acid precipitation assessment program to the President and Congress
[PB90-237330] 09 p1358 N91-17459
National acid precipitation assessment program. Acidic deposition: An inventory of non-Federal research, monitoring, and assessment information
[PB90-237579] 09 p1358 N91-17460
National acid precipitation assessment program: Assessment highlights
[PB90-237587] 09 p1358 N91-17461
National acid precipitation assessment program: Models planned for use in the NAPAP integrated assessment
[PB90-237645] 09 p1358 N91-17462

CPS SUPERCONDUCTORS, INC., MILFORD, MA.
Composite ceramic superconducting wires for electric motor applications
[AD-A228359] 08 p1237 N91-16818
Composite ceramic superconducting wires for electric motor applications
[AD-A232074] 15 p2517 N91-23951

CRANFIELD INST. OF TECH., BEDFORD (ENGLAND).
Static and dynamic finite element stress analysis of layered composite plates and shells 01 p0055 N91-10326
A passenger's view of commuter aircraft 03 p0308 N91-11720
The impact of exchange rates on air traffic demand
[ETN-90-98220] 03 p0311 N91-11745
TF89 aircraft centre fuselage
[ETN-91-98579] 08 p1096 N91-16018
TF89 tactical fighter outer wing design
[ETN-91-98580] 08 p1096 N91-16019
The design of a meteorological facsimile converter
[ETN-91-98578] 08 p1187 N91-16528
Causes and effects of interactions between energetic electrons and whistler-mode waves in the coupled magnetosphere-ionosphere-atmosphere system 10 p1552 N91-18537
TF89 design project airbrake and arrester hook design
[ETN-91-98853] 11 p1649 N91-19092
S87 close air support aircraft fatigue analysis
[ETN-91-98854] 11 p1649 N91-19093
The application of aero gas turbine engine monitoring systems to military aircraft
[ETN-91-98852] 11 p1650 N91-19096
Preliminary studies for aircraft parameter estimation using modified stepwise recognition
[CRANFIELD-AERO-8911] 12 p1830 N91-20057
Application of modified stepwise regression for the estimation of aircraft stability and control parameters
[CRANFIELD-AERO-9008] 12 p1830 N91-20058
Initial review of research into the application of modified stepwise regression for the estimation of aircraft stability and control procedures
[CRANFIELD-AERO-8903] 12 p1844 N91-20135
Measurement of the longitudinal static stability and the moments of inertia of a 1/12th scale model of a B.Ae Hawk
[CRANFIELD-AERO-9009] 12 p1844 N91-20136
Steady-state experiments for measurements of aerodynamic stability derivatives of a high incidence research model using the College of Aeronautics whirling arm
[CRANFIELD-AERO-9014] 12 p1844 N91-20137
Internal ballistics using two different propellant grain form functions
[CRANFIELD-AERO-9003] 12 p1879 N91-20326
Numerical computation of two-dimensional unsteady detonation waves in high energy solids
[CRANFIELD-AERO-9013] 12 p1899 N91-20443
TVD regions for the Weighted Average Flux (WAF) method as applied to a model hyperbolic conservation law
[CRANFIELD-AERO-8907] 12 p1972 N91-20847
Approximate methods for predicting the lifting characteristics of wing-body combinations 14 p2186 N91-22074
Hypersonic flow of a vibrationally-relaxing gas past a slightly blunted slender wedge 14 p2186 N91-22075
Variable camber wings for transport aircraft 14 p2193 N91-22112
Experimental study of radiation from coated turbine blades 14 p2195 N91-22122
Damage accumulation and degradation of composite laminates under aircraft service loading: Assessment and prediction, volumes 1 and 2 14 p2238 N91-22381
A theoretical and experimental study of a novel refrigerant compressor 14 p2254 N91-22467
The performance of 60 deg delta wings: The effects of leading edge radius on vortex flaps and the wing
[CRANFIELD-AERO-9004] 15 p2366 N91-23092
The performance of 60 deg delta wings: The effects of leading edge radius and vortex flaps
[CRANFIELD-AERO-9002] 15 p2374 N91-23140
Some aspects of shock-wave boundary layer interaction relevant to intake flows 15 p2378 N91-23161
Riemann problems and the WAF method for the two-dimensional shallow water equations
[CRANFIELD-AERO-9005] 15 p2427 N91-23443
The drag of spheres at porosites ranging from an isolated sphere to a packed bed
[CRANFIELD-AERO-9012] 15 p2427 N91-23444
Radial inflow turbine study
[AD-A233623] 16 p2635 N91-24589
Preventing driver error and motorcycle accident causation: An empirical investigation
[CRANFIELD-AERO-9106] 22 p3721 N91-30711
Composite-faced sandwich construction for primary spacecraft structures 24 p3969 N91-32170
An investigation into the potential use of psychometric instruments for the selection of firearms officers
[CRANFIELD-AERO-9108] 24 p4077 N91-32772

CRAY ADVANCED MATERIALS LTD., YEOVIL (ENGLAND).
Manufacture of carbon fibre reinforced structural tubular struts using the liquid pressure forming process 03 p0327 N91-11820

CREE RESEARCH, INC., DURHAM, NC.
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A227309] 06 p0823 N91-14548
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A233744] 18 p2978 N91-26439
Development and testing of radiation and electromagnetic pulse hardened silicon carbide based electronics
[AD-A235888] 19 p3150 N91-27412

CREIGHTON UNIV., OMAHA, NE.
Changes in mineral metabolism with immobilization/space flight 01 p0100 N91-10581

CREUSOT-LOIRE, FIRMINY (FRANCE).
Materials data bases for fatigue 10 p1613 N91-18899

CRIMEAN ASTROPHYSICAL OBSERVATORY (USSR).
The influence of grain growth in circumstellar dust envelopes on observed colors and polarization of some eruptive stars 06 p0909 N91-15020
Observational effects of interaction in the Seyfert galaxy NGC 7469 08 p1254 N91-16906

CROUZET AEROSPACE AND SYSTEMS, VALENCE (FRANCE).
Breakdown methodology for flight critical applications into elementary components 04 p0485 N91-12698
A high integrity flight data system 04 p0486 N91-12704

CRYOLAB, INC., SAN LUIS OBISPO, CA.
Cost-effective use of liquid nitrogen in cryogenic wind tunnels, phase 2
[NASA-CR-182088] 07 p0946 N91-15188

CRYSTALLUME, MENLO PARK, CA.
Synthesis and characterization of silicon-on-Diamond structures
[AD-A235460] 19 p3137 N91-27334
Thermochemistry of hydrocarbon decomposition and relationship to properties of PECVD diamond films
[AD-A237793] 21 p3475 N91-29274

CVD, INC., WOBURN, MA.
Fabrication of lightweight Si/SiC LIDAR mirrors
[NASA-CR-4389] 21 p3583 N91-29935

CYBERCOM CORP., ARLINGTON, VA.
UHF radiowave propagation through forests
[AD-A225972] 04 p0515 N91-12861

CYBERNETIX, MARSEILLE (FRANCE).
Telemanipulation system assisted by computer for under water applications 15 p2452 N91-23585

D

DAEDALUS ENTERPRISES, INC., ANN ARBOR, MI.
Development of a portable multispectral thermal infrared camera
[NASA-CR-188204] 16 p2629 N91-24557

DAELEN UND LOOS G.M.B.H., WIESBADEN-SCHIERSTEIN (GERMANY, F.R.).
Al-Pb bearing alloy (TEXUS 1) 23 p3840 N91-31413

DALHOUSIE UNIV., HALIFAX (NOVA SCOTIA).
Self-consistent calculation of atomic adsorption on metals in high electric fields
[AD-A236205] 19 p3242 N91-27931

DANISH AEROSPACE MEDICAL CENTER OF RESEARCH, COPENHAGEN.
Fluid shifts and regulation of plasma volume in humans during 12 hours of head-out water immersion 11 p1746 N91-19602
Influence on natriuresis of prolonged (12 h) water immersion on central hemodynamics and endocrine elements in humans 11 p1748 N91-19612

DANISH METEOROLOGICAL INST., COPENHAGEN.
Theory of a thermal resonance instability in the E-region of the ionosphere 10 p1547 N91-18514
Brorfelde Geomagnetic Observatory magnetic results 1988 - 1989
[DMI-TR-91-3] 17 p2811 N91-25537

DANISH SPACE RESEARCH INST., LYNGBY.
Magnetic measurements with fluxgate magnetometer in rocket flight
[DRI-4-90] 08 p1104 N91-16061
DARTMOUTH COLL., HANOVER, NH.
Excitons in semiconducting superlattices, quantum wells, and ternary alloys
[DE90-017287] 01 p0132 N91-10779
Planar orotron: A tunable, grating-based free electron laser 02 p0216 N91-11208
A self-consistent analysis of far-infrared and submillimeter wavelength metal-grating free electron lasers 03 p0370 N91-12072
Trends in solar variability 03 p0442 N91-12472
Atmospheric studies of C2 white dwarfs 04 p0607 N91-13379
The magnetopause boundary layer
[AD-A229061] 09 p1365 N91-17501
Multimodal interactions in sensory-motor processing
[AD-A229111] 09 p1372 N91-17540
Investigation of turbulent processes in magnetospheric boundary layers
[NASA-CR-188009] 14 p2284 N91-22628
Mesoscale eddies and fronts
[AD-A231933] 14 p2293 N91-22679
Magnetofluid transport
[DE91-010261] 14 p2328 N91-22864
The Hall-Petch relationship and mechanisms of fracture in B2 compounds
[DE91-010256] 17 p2759 N91-25273
The examination of dislocations in ice
[AD-A233716] 18 p3003 N91-26586
The 5/15 GHz scattering study
[AD-A236350] 19 p3151 N91-27415
Tropospheric scatter propagation at 5 and 16 GHz: Results for a 161 km path
[AD-A237012] 20 p3333 N91-28458
DASSAULT (E. M.) CO., SAINT CLOUD (FRANCE).
Calculation of interactions between air and ground of landing 20 p3284 N91-28161
Electromagnetic topology: Characterization of internal electromagnetic coupling 24 p4063 N91-32699
DASSAULT-BREGUET AVIATION, SAINT CLOUD (FRANCE).
Influence of the refinement of structural calculation on aircraft qualification procedures 16 p2646 N91-24649
DAVID SARNOFF RESEARCH CENTER, PRINCETON, NJ.
MOCVD synthesis of thallium superconductor materials
[AD-A225932] 04 p0589 N91-13287
Linear laser diode arrays for improvement in optical disk recording
[NASA-CR-182098] 09 p1337 N91-17342
Improving the reliability and modal stability of high power 870 nm AlGaAs CSP laser diodes for applications to free space communication systems
[NASA-CR-4345] 10 p1528 N91-18413
High performance video computer
[AD-A229884] 12 p1952 N91-20740
Experimental system for the noninvasive detection of air bubbles in tissues
[AD-A235458] 19 p3211 N91-27752
DAVID TAYLOR RESEARCH CENTER, BETHESDA, MD.
Use of radiation efficiency in noise control engineering
[AD-A225054] 03 p0415 N91-12319
Effect of additives on the morphology and superconductivity of $YBa_2Cu_3O_{(6+x)}$ ceramic superconductors
[AD-A224734] 03 p0422 N91-12359
A differential turbomachinery equation with viscous correction
[AD-A226183] 04 p0522 N91-12909
Procedure for a drop tower testing of shallow cracked single edge notched band specimens
[AD-A226382] 04 p0537 N91-12976
Designing a negligible reflection coefficient for a uniform panel with compliant layer
[AD-A225708] 04 p0579 N91-13225
Intelligent processing for spray metal manufacturing
[AD-A226499] 05 p0636 N91-13523
Computation of incompressible flow around the DARPA SUBOFF bodies
[AD-A226481] 05 p0657 N91-13646
Constrained viscoelastic layer damping of thick aluminum plates: Design, analysis, and testing
[AD-A226556] 05 p0676 N91-13758
Method for evaluating the high strain-rate compressive properties of thick composite laminates
[AD-A226871] 07 p0969 N91-15321
Radar cross section calculations of traveling surface waves
[AD-A227032] 07 p0994 N91-15454
SCATSPHERE2: A computation for the plane-wave scattering from a submerged, elastic, spherical, evacuated or fluid-filled, thin shell
[AD-A228867] 08 p1219 N91-16709
A comparison of the compression response of thick (6.35 mm) and thin (1.60 mm) dry and moisture saturated AS4/3501-6 laminates
[AD-A230056] 12 p1862 N91-20230
Microstructural features controlling ductile-to-brittle transition behavior in high-strength, martensitic steel weld metals
[AD-A229948] 12 p1869 N91-20270
Finite element solution of transient fluid-structure interaction problems 12 p1912 N91-20517
The use of the plane wave fluid-structure interaction loading approximation in NASTRAN 12 p1912 N91-20518
Response of regularly ribbed fluid loaded panels
[AD-A230088] 12 p1913 N91-20522
Transmission of a shock wave across an evacuated barrier
[AD-A231717] 14 p2263 N91-22521
Computer center reference manual, volume 2
[AD-A232370] 15 p2489 N91-23781
Reflection of incident pressure waves by ribbed panels
[AD-A233671] 18 p2983 N91-26469
The relationship of traditional damping measures for materials with high damping capacity
[AD-A235347] 18 p3000 N91-26568
Analysis of wave characteristics in extreme seas
[AD-A234538] 18 p3017 N91-26660
Vibration damping response of composite materials
[AD-A235614] 19 p3118 N91-27227
Damping studies of ceramic reinforced aluminum
[AD-A235965] 19 p3119 N91-27232
Fracture behavior of ultra-low-carbon steel plate and heat-affected-zone
[AD-A235638] 19 p3134 N91-27317
Acoustic behavior of negative Poisson's ratio materials
[AD-A235695] 19 p3138 N91-27340
An evaluation of the NEKTON program
[AD-A237888] 21 p3514 N91-29513
Chaos displayed by solutions of a forced pendulum equation with a fifth-order polynomial for the damping terms
[AD-A229496] 22 p3761 N91-30968
DAYTON UNIV., OH.
Minimization and control of hazardous combustion byproducts
[PB90-259854] 02 p0234 N91-11305
Optimal selection of orbital replacement unit spares: A space station system availability model 03 p0320 N91-11787
Composites supportability rapid test and evaluation
[AD-A225243] 03 p0335 N91-11881
High-temperature lubricant analyses using the System for Thermal Diagnostic Studies (STDS): A feasibility study
[AD-A225242] 03 p0344 N91-11929
Efficient image generation using localized frequency components matched to human vision
[AD-A224903] 03 p0394 N91-12192
Mechanical property data on aluminum alloy 7150-T7751 plate
[AD-A227506] 08 p1115 N91-16124
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
Research on advanced NDE methods for aerospace structures
[AD-A226858] 11 p1718 N91-19460
Mechanisms of chemical vapor deposition on carbon fibers
[AD-A230035] 12 p1865 N91-20247
Computer menu task performance model development
[AD-A230278] 12 p1956 N91-20759
Image quality metrics and application of the Square Root Integral (SQRI) metric: An overview
[AD-A229753] 12 p1970 N91-20835
Direct optical to microwave conversion
[AD-A229856] 12 p1980 N91-20892
Study of bird ingestions into small inlet area aircraft turbine engines
[DOT/FAA/CT-90/13] 13 p2022 N91-21122
Polymeric materials for battery applications
[AD-A231512] 14 p2248 N91-22438
X ray diffraction studies of the structure of ordered polymers and related electro-active materials
[AD-A231923] 14 p2249 N91-22442
Crew chief CAD system interface guide (version 2 - SI)
[AD-A231433] 14 p2305 N91-22734
Post-overload fatigue crack recovery in powder metal aluminum-lithium AL-905XL forging
[AD-A232550] 15 p2403 N91-23307
Studies of noise in semiconductor laser arrays
[AD-A232411] 15 p2434 N91-23485
Hypersonic aerodynamics fellowships
[AD-A233584] 16 p2547 N91-24116
A dynamic failure model for ductile materials
[AD-A233600] 16 p2601 N91-24414
Thermal control materials 16 p2716 N91-25038
Chemical synthesis study of deuterated epoxy resins
[AD-A234666] 18 p2963 N91-26355
Carbon fiber morphology. 2: Expanded wide-angle x ray diffraction studies of carbon fibers
[AD-A235599] 19 p3118 N91-27226
Effects of depolarization on the microwave properties of composites
[AD-A236349] 19 p3120 N91-27236
Strength analysis and design of multilayered thick composite spherical pressure vessels
[AD-A236266] 19 p3180 N91-27585
Automatic information processing and high-performance skills: Applications to training, transfer, and retention
[AD-A235537] 19 p3218 N91-27789
DAYTON UNIV. RESEARCH INST., OH.
Optical analysis of aircraft transparencies (OPTRAN). Volume 1: Theoretical manual
[AD-A235931] 19 p3245 N91-27947
DE HAVILLAND AIRCRAFT CO. OF CANADA LTD., DOWNSVIEW (ONTARIO).
The development of very thick multi-foil wings for high speed, powered lift transport aircraft applications 10 p1466 N91-18082
DECISION-SCIENCE APPLICATIONS, INC., ARLINGTON, VA.
An intelligent value-driven scheduling system for Space Station Freedom with special emphasis on the electric power system 12 p1941 N91-20678
DECISION SCIENCE CONSORTIUM, INC., RESTON, VA.
Examining the effect of information order on expert judgment
[AD-A239708] 23 p3901 N91-31774
DEFENCE AND CIVIL INST. OF ENVIRONMENTAL MEDICINE, DOWNSVIEW (ONTARIO).
Heat strain and work tolerance times with varying levels of Canadian Forces NBC protective clothing, ambient temperature, physical work intensity, and work/rest schedules
[AD-A232653] 15 p2478 N91-23720
Effectiveness of ice-vest cooling in prolonging work tolerance time during heavy exercise in the heat for personnel wearing Canadian forces chemical defence ensembles
[AD-A235273] 18 p3036 N91-26758
The dynamic performance of a variety of seat cushion materials under vertical impact loads
[DCIEM-88-TR-53] 22 p3615 N91-30111
Canadian aircrew fresh water survival 1952-1987
[DCIEM-88-RR-51] 22 p3615 N91-30112
Canadian Forces flight trial of individually molded fiberglass lumbar supports
[DCIEM-88-RR-12] 22 p3720 N91-30706
Evaluating the effectiveness of active noise reduction in flight helmets
[DCIEM-88-RR-34] 22 p3751 N91-30906
Methodology for calibration and use of heat flux transducers
[AD-A239552] 23 p3863 N91-31541
Female aircrew: The Canadian Forces experience, 1979-1989
[DCIEM-90-P-14] 23 p3905 N91-31801
Assessing the efficacy of active noise reduction
[CTN-91-60200] 23 p3923 N91-31922
DEFENCE AND CIVIL INST. OF ENVIRONMENTAL MEDICINE, NORTH YORK (ONTARIO).
Female aircrew: The Canadian forces experience 02 p0246 N91-11367
Aircrew/cockpit compatibility: A multivariate problem seeking a multivariate solution 02 p0246 N91-11369
Anthropometric accommodation of females in Canadian forces aircraft crew stations 02 p0246 N91-11371
Signs and symptoms of motion sickness and its basic nature 24 p4074 N91-32760
Space sickness 24 p4074 N91-32764
Simulator sickness 24 p4074 N91-32765
DEFENCE RESEARCH ESTABLISHMENT ATLANTIC, DARTMOUTH (NOVA SCOTIA).
Examples manual for program MAVART
[AD-A229104] 12 p1954 N91-20747
The effect of post-cure and antimony trioxide addition on the glass transition of polyester and vinyl ester resin systems
[AD-A232523] 15 p2406 N91-23325
User's manual for program MAVART
[AD-A233426] 16 p2670 N91-24777

Correcting wind tunnel force measurements for wind loading deflections of the model
[DREA-89-225] 22 p3612 N91-30091
The effect of antimony trioxide addition on the flammability characteristics of polyester and vinyl ester glass reinforced plastics
[DREA-89-213] 22 p3654 N91-30335

DEFENCE RESEARCH ESTABLISHMENT, OTTAWA (ONTARIO).

Multichannel Doppler processing for an experimental low-angle tracking system
[AD-A228598] 09 p1322 N91-17262
A proposed method of FSK generation and demodulation for the DREO radio test bed
[AD-A229660] 12 p1884 N91-20356
Micro-radiography using an electron linac source and RAM memory chip detectors
[AD-A229658] 12 p1953 N91-20742
An examination of radiation-induced bit-upset patterns in semiconductor memories
[AD-A229659] 12 p1990 N91-20950
Definition of the concept of an interferometric spectrum analyzer for the detection of frequency hopping radios
[AD-A231031] 13 p2072 N91-21413
Implementation of FFT and pulse compression routines on the SPT frequency domain array processor
[AD-A231320] 13 p2077 N91-21443
Excision techniques in direct sequence spread spectrum communication systems
[AD-A231290] 13 p2136 N91-21763
The 2-D acousto-optic signal processors for simultaneous spectrum analysis and direction finding
[AD-A232148] 15 p2414 N91-23367
An investigation of CFAR techniques for airborne radars
[AD-A232724] 15 p2415 N91-23378
ECCM advantages of adaptive digital pulse compression 16 p2615 N91-24474
Hopping synthesizer controller
[AD-A233428] 16 p2618 N91-24493
Computer simulation of photocurrents in P-N junctions using RADSPICE
[AD-A233427] 16 p2621 N91-24513
An evaluation of the HSPICE/RADSPICE circuit simulation code system
[AD-A233429] 16 p2670 N91-24778
A rudimentary overview of the capabilities and problems concerning the finite-element method
[AD-A233431] 16 p2679 N91-24829
Evaluation of the MARISAT satellite UHF wideband channel
[AD-A233666] 18 p2972 N91-26408
A Doppler bin blanking CFAR processor for airborne radars
[AD-A237890] 21 p3499 N91-29418
Energy consumption and power requirement for an EHF SATCOM manpack terminal
[DREO-89-7] 22 p3663 N91-30391

DEFENCE RESEARCH ESTABLISHMENT PACIFIC, VICTORIA (BRITISH COLUMBIA).

High resolution ultrasonic imaging of disbonds in adhesively bonded composite structures
[DREP-89-06] 22 p3645 N91-30283
The effects of sunlight and humidity on CF-188 composite resin
[DREP-89-07] 22 p3645 N91-30284
Crustal magnetization and gradient tensor component maps of the northern Juan de Fuca Ridge
[DREP-TM-88-21] 22 p3707 N91-30632
Spectral analysis of geological magnetic signals
[DREP-TM-88-19] 22 p3707 N91-30633
Parabolic approximations for seismo-acoustic waveguide propagation
[DREP-89-20] 22 p3750 N91-30905

DEFENCE RESEARCH ESTABLISHMENT SUFFIELD, RALSTON (ALBERTA).

Laser detection and mapping of biological simulants 3. Dichotomous sampler measurements of aerosol concentrations as related to lidar signals
[AD-A225321] 03 p0388 N91-12162
Finite difference form of the compressible boundary layer equations in generalized curvilinear coordinates
[AD-A231386] 13 p2084 N91-21483
A technique for optimizing a neural network
[AD-A233395] 16 p2676 N91-24811

DEFENCE RESEARCH ESTABLISHMENT VALCARTIER (QUEBEC).

A temperature dependent regular infrared band model
[DREV-4559-89] 22 p3707 N91-30631

DEFENCE SCIENCE AND TECHNOLOGY ORGANIZATION, SALISBURY (AUSTRALIA).

Catalog of solar filament disappearances 1964-1980
[PB91-164384] 22 p3776 N91-31059

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY, ARLINGTON, VA.

Framework for an efficient two filter GLOC monitor
08 p1193 N91-16557

DEFENSE INTELLIGENCE AGENCY, WASHINGTON, DC.

Bibliography of Soviet laser developments, March-April 1988
[AD-A227788] 09 p1340 N91-17359

DEFENSE LOGISTICS AGENCY, ALEXANDRIA, VA.

Defense logistics agency Information Resources Management (IRM) near-term planning document FY 1990-1992
[PB90-238494] 02 p0284 N91-11596
Multiple forecasting techniques
[AD-A230600] 12 p1995 N91-20982
Forecasting digital microcircuit obsolescence
[AD-A234573] 18 p2979 N91-26451
Quality effectiveness sensing technique release 3.0
[AD-A233651] 18 p2996 N91-26545
Advanced methods of online searching for artificial intelligence information
[AD-A236653] 19 p3261 N91-28038
Information resources management environment vision and prescription, version 1.1
[AD-A236846] 19 p3262 N91-28039
Defense Logistic Agency (DLA) long-range Information Resources Management (IRM) plan, FY 1991 - FY 1997. Volume 1: Agency-wide plan IRM summary information: Agency
[PB91-204529] 24 p4116 N91-33007
Defence Logistics Agency (DLA) long-range Information Resources Management (IRM) plan, FY 1991 - FY 1997. Volume 2: Individual organizational IRM plans: Organizations
[PB91-204537] 24 p4116 N91-33008
Defense Logistics Agency (DLA) long-range Information Resources Management (IRM) plan, FY 1991 - FY 1997. Volume 3: Information systems/projects/programs/acquisitions: Catalogue
[PB91-204545] 24 p4116 N91-33009
Defence Logistics Agency (DLA) long-range Information Resources Management (IRM) plan, FY 1991 - FY 1997. Volume 4: Reference information: Reference
[PB91-204552] 24 p4117 N91-33010

DEFENSE LOGISTICS AGENCY, COLUMBUS, OH.

Artificial intelligence information sources for the beginner and expert
[AD-A236587] 22 p3740 N91-30838

DEFENSE LOGISTICS ANALYSIS OFFICE, ALEXANDRIA, VA.

TQM tools and stuff: The indoctrination of Tyrone Newblood
[AD-A225208] 03 p0426 N91-12387

DEFENSE MAPPING AGENCY SYSTEMS CENTER, FAIRFAX, VA.

Knowledge base systems in DMA's digital production system
[AD-A230771] 13 p2168 N91-21963

DEFENSE MAPPING AGENCY SYSTEMS CENTER, RESTON, VA.

Digital production of Landsat image maps in the map publishing environment
[AD-A230558] 12 p1917 N91-20547

DEFENSE TECHNICAL INFORMATION CENTER, ALEXANDRIA, VA.

Defense Technical Information Center Thesaurus
[AD-A226000] 04 p0606 N91-13370
Data element dictionary: Technical report database, part 1
[AD-A230836] 13 p2169 N91-21969
Source header list. Volume 1: A through K
[AD-A231000] 13 p2169 N91-21971
Source header list. Volume 2: L through Z
[AD-A231001] 13 p2169 N91-21972
Directory of Organizational Technical Report Acronym Codes (DOTRAC)
[AD-A237000] 20 p3437 N91-29072

DELAWARE STATE COLL., DOVER.

Advanced study institute on the science and technology of nanostructured magnetic materials
[AD-A231764] 14 p2322 N91-22825

DELAWARE UNIV., LEWES.

Chemistry of atmospheric precipitation at Lewes, Delaware as part of the MAP3S network
[DE91-011148] 17 p2808 N91-25522

DELAWARE UNIV., NEWARK.

Documentation for Program SOILSIM: A computer program for the simulation of heat and moisture flow in soils and between soils, canopy and atmosphere
[NASA-CR-186953] 01 p0063 N91-10379
Materials analysis and device optimization of CuInSe2 solar cells
[DE90-000365] 01 p0064 N91-10384
Designing composite structures for low-velocity impact
[AD-A225217] 03 p0335 N91-11880
An empirical study of the effects of meteorologic and tidal forcing on the seasonal vertical density structure of Chesapeake Bay 03 p0393 N91-12184
Process-induced stress and deformation in thick-section thermosetting composites 04 p0496 N91-12755
Characterization of the thermal degradation of selected energetic materials and mixtures by Rapid-Scan Fourier Transform Infrared (RSFTIR) spectroscopy
[AD-A226421] 04 p0512 N91-12844
Particle theory and cosmology
[DE91-004189] 05 p0765 N91-14250
Mechanics and performance of composite laminates with discontinuous internal plies
07 p0968 N91-15315
Metal-support bonds in supported metal catalysts
[DE91-005004] 07 p0983 N91-15393
Long-term modulation of cosmic rays in interplanetary magnetic turbulence 07 p1082 N91-15952
VLA neutral hydrogen imaging of compact groups
08 p1248 N91-16872
An approximation scheme for the three-dimensional scattered wave and its propagating far-field pattern in a finite depth ocean
[PB90-151002] 10 p1558 N91-18567
Fundamentals of polycrystalline thin film materials and devices
[DE91-002130] 10 p1608 N91-18874
Highball: A high speed, reserved-access, wide area network
[NASA-CR-188070] 12 p1964 N91-20804
A systematic investigation of the preparation and properties of composite carbon molecular sieves containing inorganic oxides 13 p2062 N91-21353
Interface characterization of carbon/aluminum composites 14 p2239 N91-22383
A simulation of the draping and a model of the consolidation of commingled fabrics
15 p2392 N91-23239
Design of a high activity and selectivity alcohol catalyst
[DE91-010344] 16 p2598 N91-24401
Free vibration analysis of laminated composite shells of revolution including transverse shear deformation
16 p2644 N91-24635
Thermal transport properties of selected advanced ceramic composites 17 p2745 N91-25187
Compression response of thick-section composite materials 17 p2745 N91-25190
An analysis of viscoelastic flow simulations
17 p2776 N91-25363
The tropical Pacific Ocean's heat budget during a cold event, from a numerical model 18 p3017 N91-26657
Inverse scattering problems for acoustic waves in an inhomogeneous medium 18 p3055 N91-26876
Fundamental magnetic studies of iron-rare-earth-metalloid alloys
[DE91-014816] 20 p3321 N91-28383
Corona: Coordinated research on non-thermal processes in astrophysics
[NASA-CR-188692] 20 p3443 N91-29107
Ocean thermal feature recognition, discrimination and tracking using infrared satellite imagery
[AD-A238138] 21 p3546 N91-29703
Oceanographic data report Number 7: Data from the Delaware Estuary SCENIC cruises, April 1986 - September 1988
[PB91-183582] 21 p3547 N91-29706
Oceanographic data report Number 8: Density profiles from the Delaware Estuary, October 1986 - September 1988
[PB91-183608] 21 p3547 N91-29707
Processing and characterization of continuous fiber-reinforced glass and glass-ceramic matrix composites 23 p3806 N91-31227
The influence of interphase regions on local thermal stresses and deformations in composites
23 p3806 N91-31228
Particle theory and cosmology
[DE91-017730] 24 p4122 N91-33041

DELCO SYSTEMS OPERATIONS, MILWAUKEE, WI.

Status of the Delco Systems Operations forward looking windshear detection program 03 p0304 N91-11692
Forward looking wind shear detection program
16 p2553 N91-24148

DELFT HYDRAULICS LAB., DEVOORST (NETHERLANDS).

Wave data assimilation in a 3rd generation. Wave prediction model for the North Sea: An optimal control approach
[BCRS-89-22] 02 p0242 N91-11348

DELTA INFORMATION SYSTEMS, INC., HORSHAM, PA.

Standardization of freeze frame TV codecs
[AD-A230322] 12 p1882 N91-20347

Investigation of the progressive bi-level coding technique for the high-resolution bi-level data compression standard
[AD-A239597] 23 p3915 N91-31860

DENVER UNIV., CO.
Physical chemistry of energetic nitrogen compounds
[AD-A229480] 22 p3646 N91-30292

DEPARTMENT OF DEFENSE, WASHINGTON, DC.
Office of Basic Energy Sciences 1990 summary report
[DE91-002971] 06 p0842 N91-14653
NASA/DoD aerospace knowledge diffusion research project. Paper 9: Information intermediaries and the transfer of aerospace Scientific and Technical Information (STI). A report from the field
[NASA-TM-103384] 13 p2167 N91-21959
NASA/DoD aerospace knowledge diffusion research project. Phase 3: Faculty and student respondents including frequency distributions
[NASA-TM-104086] 17 p2885 N91-25950
The 500 contractors receiving the largest dollar volume of prime contract awards for RDT and E, fiscal year 1990
[AD-A235444] 19 p3259 N91-28023
Federal radionavigation plan, 1990
[PB91-190868] 24 p3954 N91-32091
NASA/DoD aerospace knowledge diffusion research project: Phase 3 academic library respondents including frequency distributions
[NASA-TM-104095] 24 p4117 N91-33013

DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD, ALEXANDRIA, VA.
Minutes of the 24th Explosives Safety Seminar, volume 1
[AD-A235005] 18 p2970 N91-26395
Minutes of the 24th Explosives Safety Seminar, volume 2
[AD-A235006] 18 p2970 N91-26396

DEPARTMENT OF ENERGY, ALBUQUERQUE, NM.
Kauai Test Facility two experiment rocket campaign
[DE91-008894] 13 p2031 N91-21172

DEPARTMENT OF ENERGY, IDAHO FALLS, ID.
Environmental assessment for the FAA explosive detection system independent validation and verification program
[DE91-013190] 21 p3453 N91-29152

DEPARTMENT OF ENERGY, MORGANTOWN, WV.
Fuel cells
[DE90-009686] 05 p0684 N91-13805

DEPARTMENT OF ENERGY, NEW ORLEANS, LA.
Evaluating the performance of ceramic candle filters in a hot particulate-laden stream
[DE90-000483] 22 p3652 N91-30326

DEPARTMENT OF ENERGY, NEW YORK, NY.
Rn222, Rn222 progeny and Rn220 progeny as atmospheric tracers of air masses at the Mauno Loa Observatory
[DE90-014872] 01 p0093 N91-10539

DEPARTMENT OF ENERGY, OAK RIDGE, TN.
Energy Data Base
[DE90-009278] 05 p0730 N91-14081
Summaries of FY 1991 research in the chemical sciences
[DE91-011221] 23 p3805 N91-31222
Office of Industrial Technologies research in progress
[DE91-014180] 24 p4039 N91-32571
Environment, Safety and Health Thesaurus/Dictionary
[DE91-013428] 24 p4117 N91-33012

DEPARTMENT OF ENERGY, WASHINGTON, DC.
Prevention of breakdown behind railgun projectiles
[DE90-014573] 01 p0015 N91-10094
Multiple channel programmable coincidence counter
[DE90-014681] 01 p0104 N91-10602
Massively parallel computing system
[DE90-014683] 01 p0111 N91-10648
Composite slip table of dissimilar materials for damping longitudinal modes
[DE90-015128] 02 p0190 N91-11064
Assessment of costs and benefits of flexible and alternative fuel use in the US transportation sector: Vehicle and fuel distribution requirements
[DE90-014847] 02 p0201 N91-11127
Report of the Department of Energy (DOE) Office of Energy research review committee on the site-specific conceptual design of the superconducting super collider
[DE90-018021] 02 p0270 N91-11513
Implications of the Biological Effects of Ionizing Radiation (BEIR) 5 report to the Department of Energy
[DE90-016673] 02 p0272 N91-11526
Summaries of physical research in the geosciences
[DE91-001043] 05 p0680 N91-13779
Solar collector manufacturing activity, 1988
[DE90-003539] 05 p0683 N91-13797
The economics of long-term global climate change
[DE91-000467] 07 p1026 N91-15631
Building an advanced climate model: Program plan for the CHAMMP (Computer Hardware, Advanced Mathematics, and Model Physical) climate modeling program
[DE91-004699] 07 p1027 N91-15638
Carbon dioxide and climate: Summaries of research in FY 1990
[DE91-004907] 07 p1028 N91-15641
Proceedings of a workshop on Dynamics of the Continental Margins
[DE91-002562] 07 p1032 N91-15663
Heat engines program
[DE90-010276] 08 p1157 N91-16374
Subsurface science program: Program overview and research abstracts
[DE90-010321] 08 p1173 N91-16456
Report to Congress on the Small Business Program
[DE91-004622] 08 p1239 N91-16831
Accomplishments in technology transfer from DOE and its laboratories
[DE90-002686] 08 p1269 N91-16986
Radioluminescent lighting technology
[DE91-004918] 10 p1521 N91-18378
Advanced Heat Exchangers Program Review Meeting
[DE91-004625] 10 p1524 N91-18391
The National Energy Strategy: The role of geothermal technology development. Proceedings
[DE91-004623] 11 p1726 N91-19503
Materials sciences programs
[DE91-007601] 11 p1812 N91-19953
Photovoltaic system criteria documents. Volume 2: Quality assurance criteria for photovoltaic applications
[NASA-CR-183317] 12 p1918 N91-20553
Photovoltaic system criteria documents. Volume 4: Review criteria for photovoltaic applications
[NASA-CR-183319] 12 p1919 N91-20554
Photovoltaic system criteria documents. Volume 6: Criteria for auditing photovoltaic system applications and experiments. Revision A
[NASA-CR-183321] 12 p1919 N91-20555
Photovoltaic system criteria documents. Volume 1: Guidelines for evaluating the management and operations planning of photovoltaic applications
[NASA-CR-183316] 12 p1919 N91-20556
Photovoltaic system criteria documents. Volume 3: Environmental issues and evaluation criteria for photovoltaic applications
[NASA-CR-183318] 12 p1919 N91-20557
Photovoltaic system criteria documents. Volume 5: Safety criteria for photovoltaic applications
[NASA-CR-183320] 12 p1919 N91-20558
Reserves information gathering system user's guide
[DE91-008037] 12 p1999 N91-21005
Computing for magnetic fusion energy research: The next five years
[DE91-010686] 15 p2512 N91-23921
Information resources management long-range plan
[DE91-009745] 15 p2523 N91-23984
Annual energy outlook 1991 with projections to 2010
[DE91-010323] 16 p2653 N91-24680
Installation of semiconductor crystal growth and processing facilities in the Building 166 addition at Lawrence Livermore National Laboratory
[DE91-010254] 16 p2695 N91-24923
The DOE program in high performance computing and communications
[DE91-011515] 17 p2837 N91-25678
Procedures for peer review assessments
[DE91-010902] 17 p2875 N91-25901
Technology 1990
[DE91-005072] 17 p2919 N91-26111
Global climate change: A discussion of major uncertainties
[DE91-011746] 18 p3007 N91-26604
Large scale computing in the Energy Research Programs
[DE91-012128] 18 p3044 N91-26805
Electric and hybrid vehicles program
[DE91-013113] 20 p3353 N91-28573
Tiger Team assessment of the Princeton Plasma Physics Laboratory
[DE91-014395] 20 p3419 N91-28957
Subsurface Science Program
[DE91-015480] 21 p3539 N91-29665
Summaries of FY 1991 research in the chemical sciences
[DE91-011221] 23 p3805 N91-31222
Assessment of costs and benefits of flexible and alternative fuel use in the US transportation sector
[DE91-015451] 23 p3822 N91-31319
Office of Industrial Technologies research in progress
[DE91-014180] 24 p4039 N91-32571

DEPARTMENT OF NATIONAL DEFENCE, OTTAWA (ONTARIO).
Evaluation of a new fuel with higher energy density
10 p1465 N91-18079
A modern approach to battery testing: Infrared thermography and voltage noise measurements
[CTN-91-60215] 22 p3669 N91-30429
Asbestos-free insulant for rocket motors
[PATENT-1-263-227] 23 p3802 N91-31206
Rocket boosted target
[PATENT-1-254-289] 23 p3802 N91-31207
Radome-lens EHF antenna development
[PATENT-1-262-571] 23 p3853 N91-31481
High speed digital direct access filter for tracking or excision of parametric signal data
[PATENT-1-271-231] 23 p3858 N91-31511
Filter system for radar applications
[PATENT-1-273-409] 23 p3858 N91-31512
Reconfigurable parameter filter
[PATENT-1-264-072] 23 p3858 N91-31513
Techniques to assess the state of health of sealed lead acid batteries
[CTN-91-60214] 23 p3859 N91-31515

DEPARTMENT OF THE AIR FORCE, WASHINGTON, DC.
Slaying the software dragon: A look at how software engineering, the Ada programming language and process maturity are changing software development
[AD-A237156] 21 p3555 N91-29751

DEPARTMENT OF THE ARMY, WASHINGTON, DC.
Device and method for monitoring the presence of an object in space
[AD-D014621] 06 p0872 N91-14823
Nonintrusive electro-optic field sensor
[AD-D014620] 07 p1067 N91-15871
Range-only multistatic radar system
[AD-D011645] 21 p3496 N91-29399

DEPARTMENT OF THE NAVY, WASHINGTON, DC.
Sheave assembly
[AD-D014605] 05 p0668 N91-13711
Heat engine with corrugated shape memory drive belt
[AD-D014640] 05 p0669 N91-13716
M-dimensional computer memory with M-1 dimensional hyperplane access
[AD-D014615] 05 p0698 N91-13886
Superconducting neural network computer and sensor array
[AD-D014625] 05 p0698 N91-13887
Fabrication by filament winding with an elastomeric material
[AD-D014570] 06 p0811 N91-14478
Method of growing diamond film on substrates
[AD-D014632] 06 p0811 N91-14479
Tapered fiber amplifier
[AD-D014629] 06 p0817 N91-14512
Monolithic multichannel detector amplifier arrays and circuit
[AD-D014566] 06 p0820 N91-14528
Unidirectional amplitude sensitive noise riding threshold circuit
[AD-D014568] 06 p0820 N91-14529
Eddy current method for measuring electrical resistivity and device for providing accurate phase detection
[AD-D014571] 06 p0820 N91-14530
Optical phase conjugate beam modulator and method therefor
[AD-D014569] 06 p0872 N91-14820
Optical encoding of imaging data
[AD-D014617] 06 p0872 N91-14821
Optoelectronic devices
[AD-D014618] 06 p0872 N91-14822
Automated system for measuring the strength of optical fibers
[AD-D014626] 06 p0872 N91-14824
Phthalonitrile monomers containing imide and/or phenoxy linkages, and polymers thereof
[AD-D014577] 07 p0983 N91-15397
Optical fiber-to-channel waveguide coupler
[AD-D014598] 07 p0984 N91-15399
Pulsed interference canceler of high power out-of-band pulse interference signals
[AD-D014603] 07 p0990 N91-15431
Adaptive phase-shifter nulling techniques for large-aperture phased arrays
[AD-D014613] 07 p0990 N91-15432
Method and electronic Neural net for maximum entropy solutions of ill-posed problems
[AD-D014575] 07 p0997 N91-15474
Non-volatile memory cell with ferroelectric capacitor having logically inactive electrode
[AD-D014582] 07 p0997 N91-15475
Tracking harmonic notch filter
[AD-D014623] 07 p0998 N91-15477
A room-temperature, flashpumped, 1.96 micron solid state laser
[AD-D014581] 07 p1006 N91-15524
A thulium-doped fluorozirconate fiber laser pumped by a diode laser source
[AD-D014585] 07 p1006 N91-15525
Fiber bundle homogenizer and method utilizing same
[AD-D014599] 07 p1007 N91-15526

X ray laser with enhanced x ray gain through photodepopulation
[AD-D014635] 07 p1007 N91-15527
Hold down interconnection stick
[AD-D014606] 07 p1009 N91-15541
Leakage path interconnection for single screw mechanisms
[AD-D014636] 07 p1009 N91-15542
A Scheiner-principle pocket optometer for self evaluation and bio-feedback accommodation training
[AD-D014579] 07 p1036 N91-15684
Immediate write, read, and erase optical storage medium and method of marking and erasing
[AD-D014578] 07 p1038 N91-15694
Semiconductor heterojunction device with graded bandgap
[AD-D014583] 07 p1070 N91-15885
Toroidal computer memory for serial and parallel processors
[AD-D014631] 09 p1374 N91-17548
Optical fiber refractometer
[AD-D014619] 09 p1398 N91-17696
Low temperature synthesis of high purity monoclinic celsian using topaz
[AD-D014712] 10 p1502 N91-18263
Low temperature synthesis of high purity monoclinic celsian
[AD-D014715] 10 p1502 N91-18264
Planar imaging by nuclear magnetic resonance
[AD-D014711] 10 p1591 N91-18771
Collision detection system
[AD-D014645] 11 p1645 N91-19072
Wire-free arming system for an aircraft-delivered bomb
[AD-D014611] 11 p1646 N91-19076
Alternate approach for obtaining dynamic range in monopulse guidance systems
[AD-D014644] 11 p1651 N91-19100
Pneumatic launcher
[AD-D014658] 11 p1654 N91-19116
Launching projectiles with hydrogen gas generated from titanium-water reactions
[AD-D014653] 11 p1664 N91-19171
Rigid mullitewhisker felt and method of preparation
[AD-D014648] 11 p1674 N91-19225
Microbiological assay using bioluminescent organism
[AD-D014651] 11 p1678 N91-19249
Method of producing glass fiber with cores of a different material
[AD-D014664] 11 p1686 N91-19288
Heterogeneous magnetoresistant layer
[AD-D014665] 11 p1686 N91-19289
Extrudable PBX molding powder
[AD-D014667] 11 p1690 N91-19312
High pulse repetition frequency radar early warning receiver
[AD-D014655] 11 p1693 N91-19328
Piezoelectric sandwich polymer transducer
[AD-D014650] 11 p1696 N91-19341
Fluid mixing device having a conical inlet and a noncircular outlet
[AD-D014708] 11 p1700 N91-19364
Method for making holograms with coherent radiation from a stabilized laser diode that has been actively cooled
[AD-D014673] 11 p1706 N91-19396
Air/sea temperature probe
[AD-D014674] 11 p1706 N91-19397
Graduated-load spring washer system for screws and threaded fasteners
[AD-D014697] 11 p1714 N91-19436
Solid state electronic emulator of a multiple track motor driven rotating magnetic memory
[AD-D014705] 11 p1714 N91-19437
Load bearing connective damper
[AD-D014676] 11 p1720 N91-19468
Enhanced crosstie random access memory element and process for the fabrication thereof
[AD-D014723] 11 p1773 N91-19717
Artificial neural network implementation
[AD-D014663] 11 p1780 N91-19764
A modulated high-power optical source specification
[AD-D014654] 11 p1798 N91-19869
Optical Fiber Backscatter Signature Generator (OFBSG)
[AD-D014668] 11 p1798 N91-19870
Method of producing superconducting materials in bulk form
[AD-D014656] 11 p1806 N91-19917
Apparatus for determining microwave characteristics of superconductive materials using a resonant cavity and calibration waveguides
[AD-D014694] 11 p1806 N91-19918
Method for determining astronomic azimuth
[AD-D014677] 11 p1816 N91-19972
All-weather approach and landing guidance system using passive dihedral reflectors
[AD-D014749] 12 p1832 N91-20070
Support for thermally expanding conical heatshield
[AD-D014718] 12 p1861 N91-20225
Combustion efficiency analyzer, acoustic
[AD-D014693] 12 p1864 N91-20242
Method of soldering aluminum
[AD-D014696] 12 p1868 N91-20262
A machinable oxide ceramic
[AD-D014752] 12 p1876 N91-20311
Planar end-fire array
[AD-D014726] 12 p1880 N91-20334
Electroacoustic transducer
[AD-D014721] 12 p1890 N91-20391
Power terminal protection device
[AD-D014747] 12 p1894 N91-20414
Improved gas laser and pumping method therefor using a field emitter array
[AD-D014762] 12 p1905 N91-20478
Room-temperature, flashpumped, 2 micron solid state laser with high slope efficiency
[AD-D014770] 12 p1905 N91-20479
Pulsed laser beam deviation apparatus
[AD-D014781] 12 p1905 N91-20480
Vibration reducing thrust bearing
[AD-D014720] 12 p1906 N91-20487
System for limiting snap load intensity
[AD-D014730] 12 p1906 N91-20488
Phase cancellation enhancement of ultrasonic evaluation of metal-to-elastomer bonding
[AD-D014761] 12 p1910 N91-20502
Pulsed illumination projector
[AD-D014716] 12 p1979 N91-20891
Semi-automatic direction finding
[AD-D014834] 16 p2558 N91-24192
Passive step trimmer for a maneuvering reentry body
[AD-D014828] 16 p2566 N91-24228
Method for providing EMI/EMP hardening and breakdown protection in composite materials
[AD-D014846] 16 p2590 N91-24356
Composite material for EMI/EMP hardening protection in marine environments
[AD-D014847] 16 p2590 N91-24357
Multiplel channel automatic concentration meter
[AD-D014832] 16 p2598 N91-24394
Propellant grain design
[AD-D014829] 16 p2610 N91-24454
Energetic binders for plastic bonded explosives
[AD-D014830] 16 p2611 N91-24455
Video delta modulation encoder
[AD-D014833] 16 p2617 N91-24490
Magnetostrictive linear motor
[AD-D014816] 16 p2620 N91-24505
Solid state sequencing switch
[AD-D014831] 16 p2620 N91-24506
Metal-glass composite field-emitting arrays
[AD-D014850] 16 p2621 N91-24514
A buried heterostructure laser modulator
[AD-D014819] 16 p2632 N91-24569
Laser beam phase measurement and control system
[AD-D014853] 16 p2632 N91-24573
Ring damper for structureborne noise suppression in piping systems
[AD-D014818] 16 p2635 N91-24586
Low frequency vibration absorber
[AD-D014820] 16 p2635 N91-24587
Method of steering the gain of a multiple antenna global positioning system receiver
[AD-D014848] 16 p2635 N91-24590
In-line load cell for flexible strength member materials
[AD-D014815] 16 p2647 N91-24654
High accuracy digital acousto-optic matrix computer
[AD-D014842] 16 p2666 N91-24749
Efficient dynamic phasefront modulation system for free-space optical communications
[AD-D014839] 16 p2690 N91-24892
Optical fiber refractometer launching light at a non-zero launch angle
[AD-D014841] 16 p2690 N91-24893
Optical fiber refractometer
[AD-D014845] 16 p2690 N91-24894
Method of producing YBa2Cu3O+x superconductors with high transition temperatures
[AD-D014836] 16 p2695 N91-24922
Pivoting seat for fighter aircraft
[AD-D014822] 17 p2731 N91-25120
Apparatus for guiding a missile
[AD-D014866] 18 p2927 N91-26147
India-stabilized zirconia coating for composites
[AD-D014857] 18 p2941 N91-26224
Bonding agent for composite propellants
[AD-D014876] 18 p2969 N91-26392
High power klystron amplifier
[AD-D014862] 18 p2979 N91-26448
Magnetic field generator
[AD-D014869] 18 p2979 N91-26449
Block patterning of the metallization of polyvinylidene fluoride transducers
[AD-D014872] 18 p2979 N91-26450
A narrow-bandwidth unstable resonator laser cavity
[AD-D014865] 18 p2989 N91-26505
A room-temperature, flashpumped, 2.09 micron solid state laser
[AD-D014871] 18 p2989 N91-26506
Magnetostrictive angular positioning motor
[AD-D014858] 18 p2994 N91-26536
Vehicle steering device
[AD-D014861] 18 p2994 N91-26537
Regeneration of whetlerite for adsorbing toxic pollutants from air
[AD-D014859] 18 p3035 N91-26753
An ultraviolet optical isolator utilizing the KDP-isomorphs
[AD-D014860] 18 p3063 N91-26923
Improved inline fiber optic sensor arrays
[AD-D014864] 18 p3063 N91-26924
Design for electronic spectrally tunable infrared detector
[AD-D014877] 18 p3063 N91-26925
RF and DC desensitized electroexplosive device
[AD-D014886] 19 p3143 N91-27373
Generic radar display
[AD-D014884] 19 p3146 N91-27388
RF lockout circuit for electronic locking system
[AD-D014887] 19 p3155 N91-27442
Contamination capacitance probe system
[AD-D014912] 19 p3168 N91-27519
Method of laser discrimination using stimulated luminescence
[AD-D014897] 19 p3170 N91-27528
Laser communication system with wide band magnetostrictive modulation
[AD-D014878] 19 p3171 N91-27531
Hot air heat gun
[AD-D014885] 19 p3173 N91-27543
Nuclear magnetic resonance imaging with short gradient pulses
[AD-D014910] 19 p3178 N91-27573
High definition video-rate laser-addressed liquid-crystal light-valve projection display
[AD-D014891] 19 p3244 N91-27943
Variable weight fiber optic transversal filter
[AD-D014893] 19 p3245 N91-27944
Method of simultaneously measuring orthometric and geometric heights
[AD-D014913] 19 p3265 N91-28057
Stabilized square parachute
[AD-D014946] 21 p3452 N91-29149
Hardware interface for high speed video imaging
[AD-D014902] 21 p3496 N91-29400
A high data rate communications system using long pulses
[AD-D014947] 21 p3501 N91-29430
Cable tester
[AD-D014904] 21 p3502 N91-29438
Universal ground adapter assembly
[AD-D014908] 21 p3502 N91-29439
Pyrite cathode material for a thermal battery
[AD-D014945] 21 p3508 N91-29475
Transient flowmeter calibration facility
[AD-D014937] 21 p3516 N91-29523
Quick disconnect pressure cap
[AD-D014936] 21 p3528 N91-29598
Optical soliton source
[AD-D014942] 21 p3583 N91-29933
Electro-optic line narrowing of optical parametric oscillators
[AD-D014944] 21 p3583 N91-29934
Method for producing silver coated superconducting ceramic powder
[AD-D014899] 22 p3653 N91-30332
Aerial flare and igniter
[AD-D014940] 22 p3655 N91-30342
Air-Surface-Missile data link system
[AD-D014920] 22 p3662 N91-30385
Progressive Phase-Rotman-Turner lens feed transmission line network
[AD-D014932] 22 p3662 N91-30386
Radiator of microwave and infrared energy to simulate target
[AD-D014933] 22 p3662 N91-30387
Electrorheologically damped impact system
[AD-D014934] 22 p3668 N91-30421
Dual demodulating circuit tracer
[AD-D014941] 22 p3668 N91-30423
Long wavelength infrared detector with heterojunction
[AD-D014929] 22 p3680 N91-30490
Planar fiber-optic interferometer acoustic sensor
[AD-D014922] 22 p3754 N91-30929

Optical communication system having a wide-core single-mode planar waveguide
[AD-D014927] 22 p3755 N91-30930
Silver lined ceramic vessel and method of preparation
[AD-D014953] 24 p3978 N91-32224
Planar gallium arsenide NPNP microwave switch
[AD-D014948] 24 p4006 N91-32398
Non-invasive pressure measuring device and method
[AD-D014949] 24 p4021 N91-32470
Resistive gate magnetic field sensor
[AD-D014952] 24 p4021 N91-32471

DEPARTMENT OF THE SECRETARY OF STATE, OTTAWA (ONTARIO).
Typology test of text sources in the framework of computer aided translation 04 p0603 N91-13355

DEPARTMENT OF TRANSPORTATION, CAMBRIDGE, MA.
Safety of high speed magnetic levitation transportation systems. Preliminary safety review of the transrapid maglev system
[PB91-129684] 11 p1693 N91-19326
Aircraft wake vortices: An annotated bibliography (1923-1990)
[AD-A233161] 16 p2547 N91-24111
Shipboard crew fatigue, safety and reduced manning
[PB91-138099] 16 p2664 N91-24740
The use and design of flightcrew checklists and manuals
[AD-A237206] 21 p3551 N91-29733
Federal radionavigation plan, 1990
[PB91-190868] 24 p3954 N91-32091
Vehicle Animation Software (VAS) to animate results obtained from vehicle handling and rollover simulations and tests
[PB91-194142] 24 p4087 N91-32832

DEPARTMENT OF TRANSPORTATION, WASHINGTON, DC.
Federal radionavigation plan, 1990
[PB91-190868] 24 p3954 N91-32091

DESERT RESEARCH INST., RENO, NV.
Aerosol measurements in the stratocumulus project 01 p0085 N91-10506
Exobiology site selection for future Mars missions: Martian paleolake sediments and terrestrial analogs
[NASA-CR-187358] 05 p0766 N91-14255
Laboratory and field studies of stratospheric aerosols: Phase changes under high supersaturation 24 p4033 N91-32533

DETROIT DIESEL ALLISON, MI.
Feasibility study of a 6V-92TA Homogeneous Auto-Ignited Two-Stroke (HAT) compressed natural gas engine
[PB91-106278] 09 p1345 N91-17389

DETROIT DIESEL ALLISON, INDIANAPOLIS, IN.
Fatigue and fracture of titanium aluminides, volume 2
[AD-A227353] 06 p0785 N91-14351
Pressure algorithm for elliptic flow calculations with the PDF method 13 p2014 N91-21081
Investigation of advanced counterrotation blade configuration concepts for high speed turboprop systems. Task 3: Advanced fan section grid generator final report and computer program user's manual
[NASA-CR-187129] 24 p3961 N91-32138

DEUTSCHE AGENTUR FUER RAUMFAHRTANGELEGENHEITEN G.M.B.H., BONN (GERMANY, F.R.).
The slow-rotating centrifuge microscope (NIZEMI): A new research tool for terrestrial and space-related gravitational biology 11 p1757 N91-19663
The German microgravity program and flight occurrences 14 p2332 N91-22884

DEUTSCHE AIRBUS G.M.B.H., BREMEN (GERMANY, F.R.).
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 2: Transport airplanes and other civil applications 02 p0161 N91-10932
Experimental investigation and semi-empirical prediction of the dynamic response of a low-aspect-ratio trapezoidal wing due to flow separation 06 p0781 N91-14330
C 160-Transall life time extension 10 p1467 N91-18088
Fast response gust measurement device 14 p2289 N91-22659
Operational loads on landing gear 20 p3284 N91-28158
Protection of electrical and electronic equipment against lightning indirect effects on the Airbus A340 wing 24 p4048 N91-32613

DEUTSCHE AIRBUS G.M.B.H., HAMBURG (GERMANY, F.R.).
The use of system simulation during the definition phase of the passenger transport aircraft MPC75 07 p1046 N91-15741
Air traffic simulation with a view to system interpretation 11 p1653 N91-19110
Gust design procedures 18 p2928 N91-26155

DEUTSCHE BUNDESPOST, DARMSTADT (GERMANY, F.R.).
Optical far-field measurements of extremely high dynamic to investigate the roughness of front faces of single-mode fiber connectors
[FI-452-TB-67] 02 p0270 N91-11517

DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, COLOGNE (GERMANY, F.R.).
The microgravity environment of the D1 mission 03 p0430 N91-12407
Experiments for electromagnetic levitation in microgravity 13 p2061 N91-21348
TEMPUS: A facility for containerless electromagnetic processing onboard spacelab 13 p2062 N91-21349
TEMPUS: First results 13 p2062 N91-21350
First biological and dosimetric results of the free flyer biostack experiment AO015 on LDEF 16 p2725 N91-25096
Oxygen extraction from lunar soil by fluorination 17 p2903 N91-26032
Composite materials, 1 (TEXUS 1) 23 p3839 N91-31408
Composite materials, 2 (TEXUS 2) 23 p3839 N91-31409
Immiscibles, 1 (TEXUS 3) 23 p3839 N91-31410
Immiscibles, 2 (TEXUS 5) 23 p3839 N91-31411
Dispersion alloys (TEXUS 7) 23 p3840 N91-31412
Composite materials, 1 (TEXUS 1) 23 p3843 N91-31430
Composite materials, 2 (TEXUS 2) 23 p3843 N91-31431
Containerless solidification of a Pd-Cu-Si sample (TEXUS 9) ESA 23 p3850 N91-31466
Containerless undercooling of a Pd-Cu-Si alloy (TEXUS 14b) ESA 23 p3851 N91-31468

DEUTSCHE FORSCHUNGS- UND VERSUCHSANSTALT FUER LUFT- UND RAUMFAHRT, GOETTINGEN (GERMANY, F.R.).
Thermal imaging on missiles in hypersonic flow 06 p0776 N91-14303
Thermal Marangoni convection in a floating zone (TEXUS 3) 23 p3825 N91-31336
Oscillatory and turbulent flow regimes due to Marangoni convection (TEXUS 7) 23 p3825 N91-31337

DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT, BRUNSWICK (GERMANY, F.R.).
DLR aircraft noise research and testing techniques related to propeller driven aeroplane noise certification 03 p0307 N91-11718
Laminar flow wing 03 p0309 N91-11727
Manufacture and measurement of low loss and low scatter mirrors
[DLR-FB-90-19] 03 p0349 N91-11951
Investigation of the dynamic behavior and the frequency response of the laser gyro GG 1342
[DLR-FB-90-22] 03 p0369 N91-12070
Flight testing of a redundant FBW/FBL helicopter control system 04 p0486 N91-12703
Analytic formulations of unsteady profile aerodynamics and its application to simulation of rotors
[DLR-FB-90-28] 05 p0616 N91-13415
Real-time hardware-in-the-loop simulation for ATTAS and ATTHES advanced technology flight test vehicles 07 p1045 N91-15732
A new approach to hardware-in-the-loop simulation (FALKE shuttle) 07 p1045 N91-15735
Fuselage aerodynamics design issues and rotor/fuselage interactional aerodynamics. Part 2: Theoretical methods 10 p1460 N91-18053
Flight path reconstruction using extended Kalman filtering techniques
[DLR-FB-90-41] 13 p2019 N91-21108
Identification of the aerodynamic model of the DLR research aircraft ATTAS from flight test data
[DLR-FB-90-40] 13 p2023 N91-21130
Results of the HHC wind tunnel tests, 1986 - 1988
[DLR-FB-90-42] 13 p2028 N91-21152
Thermomechanics tasks and applications
[DLR-MITT-90-14] 13 p2046 N91-21254
Flow visualization ion helicopter blades using Acenaphthen
[DLR-FB-90-37] 13 p2081 N91-21466
Development of MIL-8785C into a handling qualities specification for a new European fighter aircraft 15 p2370 N91-23114
Handling qualities evaluation for highly augmented helicopters 15 p2372 N91-23128
Evaluation techniques for highly augmented aircraft
[DLR-FB-90-35] 15 p2383 N91-23191
Characterization of composite materials for aerospace materials
[DLR-MITT-90-15] 15 p2393 N91-23246
Three-dimensional graphical representation of objects according to movement data in realtime
[DLR-FB-90-51] 15 p2480 N91-23725
Constraint management requirements for on-line aircraft route planning 17 p2732 N91-25126
The airport and airspace simulation model SIMMOD of the FAA: Features, examples, and experiences
[DLR-MITT-91-01] 22 p3617 N91-30120
Some results of ATTAS flight data analysis using maximum likelihood parameter estimation method
[DLR-FB-91-04] 22 p3619 N91-30133
A multiple-block multigrid method for the solution of the three-dimensional Euler and Navier-Stokes equations
[DLR-FB-90-45] 22 p3678 N91-30478
Comparison of the ICAO Annex 16 Chapter 10 and Chapter 6 noise certification procedures on the basis of flight noise measurements of ten light propeller-driven aeroplanes
[DLR-MITT-90-17] 22 p3751 N91-30910
The effects of different sequencing strategies on the capacity of airports
[DLR-MITT-90-18] 23 p3798 N91-31165
Determination of aerodynamic characteristics from ATTAS flight data gathering for ground-based simulator
[DLR-FB-91-15] 24 p3949 N91-32076

DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT, COLOGNE (GERMANY, F.R.).
Wind tunnel investigations of the appearance of shocks in the windward region of bodies with circular cross section at angle of attack
[DLR-FB-90-15] 01 p0005 N91-10027
Crack behaviour of 2024-T3, 2090-T8E41 and 7075-T6 under constant amplitude and different types of variable amplitude loading, especially Gaussian loading 02 p0223 N91-11244
Chemical treatment of aluminum alloy powder surfaces
[DLR-FB-90-21] 03 p0342 N91-11917
Non-equilibrium solidification in undercooled metallic melts
[DLR-FB-90-23] 03 p0342 N91-11918
A computer program system for the analysis of three-dimensional steady flows in turbomachinery components
[DLR-FB-90-18] 03 p0367 N91-12058
Data acquisition for control and regulation of Bridgman crystal growth plant
[DLR-MITT-90-11] 03 p0425 N91-12381
National German handling of space travel projects and access possibilities to space travel tasks 04 p0491 N91-12730
Technological fields and profile in space travel: Prospects for small and medium size companies 04 p0492 N91-12734
Experiments with artificial comets in the DLR space simulator 07 p0957 N91-15263
The 1989 annual catalog of the German Aerospace Establishment: Research reports and communications
[ISSN-0172-357X] 08 p1269 N91-16987
Aluminum high strength material by mechanical alloying and reaction milling: Basics of processing and material characterization
[DLR-FB-90-29] 10 p1498 N91-18244
The Coalsack: Interstellar dust and star formation 10 p1619 N91-18928
Medex: A useful tool for counteracting orthostatic intolerance resulting from body fluid loss under microgravity 11 p1743 N91-19585
Tools for the preparation, performance and evaluation of life sciences experiments 11 p1747 N91-19609
Cellular functions of Paramecium under different gravity conditions 11 p1751 N91-19631
Does gravity play a role in the morphological development and function of the gravity sensory organ of vertebrates. DLR contribution to the D-2 project graviperception and neuronal plasticity, its technical realization and experimental execution 11 p1752 N91-19635
Gravity perception by non-specialized structures 11 p1752 N91-19636
Responses of Physarum polycephalum to varying light levels during fast clinostat rotation: A scientific preparation of an ESA biorack experiment during the IML-1 mission 11 p1759 N91-19676
Gravitaxis in Physarum polycephalum 11 p1759 N91-19678
Fourth Summer School on Microgravity: Conference summaries and forum lectures
[IB-333-90/10] 14 p2332 N91-22883
Astronaut training 14 p2332 N91-22885
Principles of crystal growth, part 1 14 p2332 N91-22886
Physical properties and real structures 14 p2332 N91-22889
Thermal analyses for experiment preparation with the example of a mirror furnace 14 p2333 N91-22894

User support and ground support program, with the example of EURECA 14 p2333 N91-22895
Investigation of the shape of the solid-liquid phase front in the Bridgman-Stockbarger process 14 p2333 N91-22896
Nucleation in undercooled silver-germanium alloys 14 p2335 N91-22910
Flight mechanics/air navigation research field. A 1990 Scientific report of the German Air and Space Research Organization
[ISSN-0720-7808] 15 p2368 N91-23103
The limits of the landing process of aircraft
[DLR-FB-90-49] 15 p2374 N91-23137
Trajectory optimization considerations for ramjet engines 15 p2376 N91-23151
Aerodynamics and stabilization of combustion of hydrogen jets injected into subsonic airflow 15 p2378 N91-23164
Containerless undercooling and solidification of pure metals
[DLR-FB-90-48] 15 p2402 N91-23301
Simulation of a backscatter lidar system
[DLR-FB-90-50] 15 p2412 N91-23355
The diving laboratory as a simulation environment for manned spaceflight 15 p2449 N91-23564
Sea ice monitoring in the east Greenland sea in May 1988 by means of remote sensing, with special emphasis on the computer-aided AVHRR-based extraction of sea ice motions
[DLR-FB-90-36] 15 p2470 N91-23687
Activities report of the DLR
[ISSN-0938-2194] 15 p2542 N91-24086
Parametric evaluation of the selection criteria of space transportation systems
[DLR-FB-91-01] 22 p3628 N91-30189
Spinoidal decomposition (TEXUS 17) 23 p3833 N91-31379
Directional solidification of doped germanium (TEXUS 4) ESA 23 p3834 N91-31380
Striations in germanium (TEXUS 6) ESA 23 p3834 N91-31381
Laser transit velocimetry 23 p3876 N91-31623
Laser transit velocimetry: Recent publications 23 p3876 N91-31624
Flight mechanical model for performance calculations and interactions between flight vehicle and ramjet in regard to the flight orbit
[DLR-FB-91-03] 24 p3960 N91-32131
Thermodynamic flow description of a ramjet for determination of engine forces and moments
[DLR-FB-91-02] 24 p3962 N91-32139
Photobiological investigations on spores of Streptomyces griseus
[DLR-FB-91-14] 24 p4072 N91-32748

DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT, GOETTINGEN (GERMANY, F.R.).

A contribution to the numerical solution of transonic flow around a delta wing by solving Navier-Stokes equations
[DLR-FB-90-13] 01 p0005 N91-10026
Contributions in the field of aeroelastics on the occasion of the 60th anniversary of Professor Dr.-Ing. Habil. Hans Wilhelm Foersching
[ETN-90-97630] 02 p0159 N91-10920
The calculation of unsteady compressible flow about oscillating airfoil profiles using the Euler upwind method 02 p0159 N91-10921
Structural dynamics qualification of spacecraft 02 p0159 N91-10922
Aeroelastics and dynamics of wind turbines 02 p0159 N91-10923
Structural analysis and optimization of a propfan-blade by use of the finite element method 02 p0159 N91-10924
Design of the derivative balance for the transonic wind tunnel 02 p0160 N91-10925
Calculation of the pressure distribution on an oscillating airfoil in incompressible flow considering nonlinear effects 02 p0160 N91-10926
Determination of unsteady aerodynamic forces on engines with a view to flutter investigations 02 p0160 N91-10927
Unsteady wind tunnel wall interferences in subsonic and transonic profile flows 02 p0160 N91-10928
Adaptive digital real time filtering in structural dynamics: A contribution to the realization on Actively Reacting Elastic Structures (ARES) 02 p0160 N91-10929
A quarter of a century of aeroelastic cooperation between research and industry (a review). Part 1: Fighter airplanes and helicopters 02 p0161 N91-10931
Experimental investigation of cross-flow instability in the linear and non-linear stage of the transition region
[DLR-FB-90-09] 03 p0367 N91-12057
A mathematical-physical model for describing transitional boundary layer flows. Volume 1: The linear and nonlinear disturbance differential equations
[DLR-FB-90-24-VOL-1] 03 p0368 N91-12059
Systematic investigations of body-wing-tail interference at high angles of attack 06 p0774 N91-14290
Experimental investigation of buffet onset and penetration on a supercritical airfoil at transonic speeds 06 p0781 N91-14328
Experimental investigations of buffet excitation forces on a low aspect ratio trapezoidal half wing in incompressible flow 06 p0781 N91-14329
Unsteady aerodynamic forces on an oscillating wing at high incidences and flow separation 06 p0781 N91-14331
Experiences with and prospects for dynamic mechanical testing of spacecraft structures 07 p0956 N91-15256
The DLR plume simulation facility 07 p0957 N91-15265
Documents on the history of the Aerodynamic Research Establishment at Goettingen, 1907 - 1925
[DLR-MITT-90-05] 08 p1089 N91-15977
Calculation of support interferences on the aerodynamic coefficients for a wind tunnel calibration model
[DLR-FB-90-26] 08 p1093 N91-15998
Procedure for determination of three-dimensional wind tunnel wall interferences and wall adaptation in compressible subsonic flow using measured wall pressures
[DLR-FB-90-46] 15 p2365 N91-23088
Numerical simulation and topological analysis of the separated flow around a sphere
[DLR-FB-90-43] 15 p2426 N91-23435
Aeroelastic flutter prevention in gliders and small aircraft
[DLR-MITT-91-03] 24 p3962 N91-32142

DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT, HAMBURG (GERMANY, F.R.).

Sex differences concerning performance and personality traits of applicants for highly qualified operator functions in aviation 02 p0245 N91-11364
Psychological selection of astronauts: Recent developments at the DLR testing centre in Hamburg (Fed. Republic of Germany) 15 p2449 N91-23565
Study of the predictive validity of a psychological selection procedure for air-traffic controllers based on training criteria
[DLR-FB-91-11] 24 p3954 N91-32090

DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT, LAMPOLDSHAUSEN (GERMANY, F.R.).

Evaluation of transportation systems for advanced spaceflight missions
[DLR-FB-90-39] 13 p2033 N91-21181
Theoretical investigation of the injection and evaporation of water in a hydrogen/oxygen steam generator
[DLR-FB-90-20] 13 p2164 N91-21938
Comparison of kinetic, equilibrium, and frozen rocket expansion obtained at different propulsive parameters for launcher and spacecraft engines
[DLR-MITT-91-02] 24 p3966 N91-32159

DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT, OBERPFAFFENHOFEN (GERMANY, F.R.).

Examination and mapping of forest damages, using remote sensing methods, part A
[ETN-90-97888] 03 p0385 N91-12145
Thematic Mapper landuse classification as a remote sensing contribution for a hydrologic runoff prediction model
[DLR-FB-90-16] 03 p0385 N91-12149
Proceedings of the 6th User Seminar of the German Remote Sensing Data Center of the DLR
[DLR-MITT-90-09] 04 p0540 N91-12992
ERS-1: The first European remote sensing satellite. A payload mission, ground station, standard products, and user service outline 04 p0540 N91-12993
Goecoded products of future radar sensors 04 p0541 N91-12997
The differentiation of sea ice thickness and surface shape, using NOAA-AVHRR and SAR data 04 p0541 N91-13001
Investigations into the dynamics of sea ice in the east Greenland sea region, in May 1988, using NOAA-AVHRR data 04 p0541 N91-13002
Investigations of satellite image and reference data for exploration 04 p0542 N91-13005
Simulation of the formation and transport of ozone in the atmospheric boundary layer
[DLR-FB-90-25] 05 p0688 N91-13827
Organization and activities of the DLR 07 p0947 N91-15193
Symposium on Applications of Multifrequency/Multipolarization SAR in View of X-EOS (X-SAR for EOS) CGS
[DLR-MITT-90-12] 07 p0990 N91-15434
SAR for the Earth Observing System: Mission to Planet Earth 07 p0990 N91-15435
Investigation of vegetation with multifrequency and multipolarization SAR systems 07 p0991 N91-15437
Scattering center analysis of simple metallic objects
[DLR-FB-90-32] 08 p1130 N91-16216
Photometric analyses for the determination of physical and structural properties for the Martian surface in the Oxia Palus region
[DLR-FB-90-27] 08 p1268 N91-16979
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results 11 p1821 N91-20002
Analysis of three icing test flights reaching the aircraft-referred icing degree severe
[DLR-FB-90-34] 13 p2022 N91-21123
Registration of windfall damage in the eastern Hunsrueck Plateau (Fed. Republic of Germany) utilizing LANDSAT TM data: A landscape-ecological analysis for practical forestry
[DLR-FB-90-31] 13 p2107 N91-21601
International Workshop on the Airborne Measurement of Wind, Turbulence and Position: Workshop report
[DLR-MITT-90-13] 14 p2288 N91-22652
Air motion measurement uncertainties: Their impact on atmospheric studies 14 p2288 N91-22654
The improvement of the installation of the DLR research aircraft Falcon: Description and first results 14 p2289 N91-22657
Turbulence profiling in the atmospheric boundary layer using three powered gliders 14 p2290 N91-22663
Polarimetric radar observations of time-variant random targets
[DLR-FB-90-52] 15 p2412 N91-23356
Efficient numerical techniques for the analysis of complex microstrip-antennas and microstrip arrays
[DLR-FB-90-53] 15 p2412 N91-23357
Multisensory telerobotic concepts for space and underwater applications 15 p2452 N91-23584
The applicability of thematic mapper data to the classification of tree species and natural age classes
[DLR-FB-90-44] 15 p2456 N91-23612
Correction of relief-induced radiometric distortions in Seasat-A SAR images for the example of the subscene of Bonn (Fed. Republic of Germany) and vicinities
[DLR-FB-90-54] 15 p2456 N91-23613
Analysis on forest decline classification of the beech using airborne multispectral scanner data
[DLR-FB-90-56] 15 p2456 N91-23614
On the airflow over the Alps during south Foehn
[DLR-FB-90-30] 15 p2468 N91-23676
Investigation of micro- and macrophysical structures and processes in hail clouds with respect to their modification
[DLR-FB-90-38] 15 p2469 N91-23677
Image data compression in JPEG standard
[DLR-FB-90-59] 15 p2483 N91-23746
Numeric solution of the electric field integral equation using Galerkin's method for axisymmetric cases
[DLR-FB-90-58] 22 p3663 N91-30394
Cross-calibration between airborne SAR sensors
[DLR-FB-91-10] 22 p3663 N91-30395
A documentation of vertical and horizontal aircraft soundings of icing relevant cloudphysical parameters 23 p3796 N91-31172
Direct and large eddy simulation of turbulence: Summary of the state-of-the-art 1991 23 p3866 N91-31562
Examination and mapping of forest damage, using remote sensing methods
[ETN-91-99741] 23 p3888 N91-31696
Methods for the automatic de-aliasing of the Doppler velocity of a weather radar
[DLR-FB-91-08] 24 p3983 N91-32249
Numerical simulation of turbulent convection over wavy surfaces
[DLR-FB-91-12] 24 p4014 N91-32439
Model calculations for a pushbroom stereo camera: The case of the Mars 94 High Resolution Stereo Camera (HRSC)
[DLR-FB-90-57] 24 p4020 N91-32468
Automatic land-use classification using LANDSAT-5 thematic mapper data in a region of the Itzehoer Geest. An attempt to improve mapping by combination with panchromatic SPOT data
[DLR-FB-90-47] 24 p4035 N91-32542
Parametric rectification of thematic mapper raw data
[DLR-FB-90-55] 24 p4035 N91-32543

DEUTSCHE FORSCHUNGSANSTALT FUER LUFT- UND RAUMFAHRT, STUTTGART (GERMANY, F.R.).

Design of highly concentrating solar collectors and solar collector systems
[DLR-FB-90-11] 01 p0065 N91-10390
Development and real-test of a ramjet nozzle made of liquid-silicon-infiltrated C/SiC 03 p0332 N91-11856
Laser technology for space tasks
[DLR-MITT-90-10] 03 p0371 N91-12080
Analytical and experimental investigation of transverse flow aerodynamic windows for high power lasers
[DLR-FB-90-33] 08 p1156 N91-16367

To what extent can Renewable Energy (RE) systems replace carbon-based fuels in the next 15, 50, and 100 years? Eight answers
[DLR-MITT-91-04] 24 p4039 N91-32568

Nature and technology: Energy technology, mankind, and nature in the 21st century
[DLR-MITT-91-05] 24 p4041 N91-32581

Finiteness: On constraints of applied research
[DLR-MITT-91-06] 24 p4115 N91-33001

DEUTSCHE FORSCHUNGSGEMEINSCHAFT, BONN (GERMANY, F.R.).

Space research in the Federal Republic of Germany, 1988 and 1989
[ETN-91-98514] 08 p1243 N91-16849

DEUTSCHE GEODAETISCHE KOMMISSION, MUNICH (GERMANY, F.R.).

Determination of the cinematic position for the aerotriangulation, using the NAVSTAR global positioning system
[SER-C-359] 09 p1276 N91-17013

Use of CCD cameras for the differential restitution of photogrammetric snapshots
[SER-C-356] 09 p1340 N91-17357

Synthetic models for nutation of a deformable Earth model
[SER-C-354] 09 p1364 N91-17498

Calculation of minimum value domains for point positions in spatial networks out of observation preset tolerances
[SER-C-355] 09 p1391 N91-17652

Investigation of the trilateration problem (4,4,1, 1)
[SER-A-106] 09 p1391 N91-17653

Examinations of the rational utilization of the Global Positioning System (GPS) in local networks
[SER-C-361] 24 p3960 N91-32129

Integrated compensation of geodetic nets in point masses model
[SER-C-362] 24 p4035 N91-32547

The 1980 equalization diagnosis of the German main triangulation network. 5: Neighborhood, conclusions
[SER-B-272-PT-2] 24 p4035 N91-32548

DEUTSCHE GESELLSCHAFT FUER LUFT- UND RAUMFAHRT, BONN (GERMANY, F.R.).

European Forum: The Evolution of Regional Aircraft Technologies and Certification
[DGLR-BERICHT-89-02] 03 p0306 N91-11707

Digital glass cockpit for commuter aircraft
03 p0309 N91-11729

DEUTSCHE GESELLSCHAFT FUER TECHNISCHE ZUSAMMENARBEIT, ESCHBORN (GERMANY, F.R.).

Remote sensing applications in the framework of the cooperation with developing countries
04 p0540 N91-12994

DEUTSCHE LUFTHANSA A.G., HAMBURG (GERMANY, F.R.).

Aircraft standstill, requirements for ground handling from the point of view of aircraft operation
11 p1653 N91-19109

DEUTSCHE LUFTVERKEHRSGELLSCHAFT M.B.H., FRANKFURT (GERMANY, F.R.).

Maintainability of regional aircraft
03 p0308 N91-11724

DEUTSCHE SPORTHOCHSCHULE, COLOGNE (GERMANY, F.R.).

Time courses of endurance performance parameters following 500 ml blood withdrawal
11 p1743 N91-19586

Influence of various parameters on the V'O2 frequency response of the body. A theoretical study on the basis of a nonlinear model 11 p1745 N91-19594

Intra-individual variability V'O2 frequency responses in physically active subjects 11 p1746 N91-19601

Weightlessness countermeasures and human physiology in space: A potential conflict
11 p1762 N91-19695

DEUTSCHER BUNDESTAG, BONN (GERMANY, F.R.).

Protecting the Earth's atmosphere: An international challenge. Report of the study commission of the 11th German Bunderstag preventive measures to protect the Earth's atmosphere
[ISBN-3-924521-36-0] 10 p1543 N91-18491

DEUTSCHER INDUSTRIE- UND HANDELSTAG, BONN (GERMANY, F.R.).

Space travel economics: Prospects for a greater participation of German companies in space travel research
[ETN-90-97911] 04 p0490 N91-12725

DEUTSCHER WETTERDIENST, OFFENBACH AM MAIN (GERMANY, F.R.).

Turbulent energy exchange between atmosphere and surface layer. Methodology, measuring technical realizations, their limits, and possible uses
[ISBN-3-88148-263-6] 24 p4044 N91-32596

DEVCOM, INC., FRAMINGHAM, MA.

Program to study the process parameters of OMVPE and their relationship to the properties of Ga(0.47)In(0.53) as ON InP substrates
[AD-A226618] 06 p0878 N91-14851

DEXTER CORP., PITTSBURGH, CA.

At-resin research: Biotechnical support and heterogeneous catalysis
[AD-A226076] 04 p0501 N91-12784

DIALOGICS S.A., LABEGE INNOPOLE (FRANCE).

Intelligent assistant systems: An artificial intelligence approach to detecting performance degradation and pilot incapacitation 08 p1194 N91-16564

DIAMOND MATERIALS, INC., BURLINGTON, MA.

Synthesis of large area, monocrystalline TiC as a substrate for heteroepitaxial growth of beta-SiC
[AD-A225159] 04 p0587 N91-13275

DIGITAL RESEARCH CORP., BOULDER, CO.

Survey of NCAR user needs for visualization tools. A research report of the Digital/NCAR joint research project
[PB91-115444] 13 p2028 N91-21154

DIGITAL TECHNOLOGY, INC., CHAMPAIGN, IL.

An implementation and analysis of the Abstract Syntax Notation One and the basic encoding rules
[NASA-CR-187409] 04 p0560 N91-13105

DILLARD UNIV., NEW ORLEANS, LA.

Specification of parameters for development of a spatial database for drought monitoring and famine early warning in the African Sahel 17 p2883 N91-25938

Integrating NASA's Land Analysis System (LAS) image processing software with an appropriate Geographic Information System (GIS): A review of candidates in the public domain 17 p2883 N91-25939

DIMENSIONS, SAINT AUBIN (FRANCE).

Thunderstorm monitoring and lightning warning, operational applications of the Safir system
24 p4049 N91-32619

DIRECTION DE LA METEOROLOGIE NATIONALE, MAGNY LES HAMEAUX (FRANCE).

Numerical modelisation of airflow on the nose of the French research aircraft Merlin-4 for measuring air motion 14 p2290 N91-22662

DIRECTION DE LA METEOROLOGIE NATIONALE, PARIS (FRANCE).

Satellite data utilization for modeling sea states
15 p2454 N91-23598

DIRECTION DES CONSTRUCTIONS ET ARMES NAVALES, TOULON (FRANCE).

A KO2 rebreather for EVA denitrogenation procedure
15 p2452 N91-23588

DIRECTION DES RECHERCHES, ETUDES ET TECHNIQUES, PARIS (FRANCE).

Crack propagation in heat resistant disk alloys. Short crack propagation in alloys for high characteristic turbomachine disks
[ETN-91-99981] 23 p3885 N91-31683

DIRECTION GENERALE DE L'AVIATION CIVILE, TOULOUSE (FRANCE).

Wind shear predictive detector technology study status 03 p0305 N91-11700

DISTRICT OF COLUMBIA UNIV., WASHINGTON, DC.

A Summer Program in Mathematics and Computer Science for Academically Oriented Students
[AD-A233546] 16 p2680 N91-24837

The transient performance of a two-phase fluid reservoir 17 p2881 N91-25932

A successful intervention program for high ability minority students 19 p3272 N91-28099

DORNIER SYSTEM G.M.B.H., FRIEDRICHSHAFEN (GERMANY, F.R.).

Dornier 328: Technology versus certification aspects of program philosophy 03 p0307 N91-11716

Interior noise control program for the advanced commuter aircraft Dornier 328 and first results
03 p0307 N91-11717

Multifunctional structures for aerospace applications
03 p0334 N91-11875

Experience-based report of a system leader company
04 p0492 N91-12735

Earth observation data service (EDS)
04 p0540 N91-12995

Verification of the MAS TMM by infrared TB/TV testing methods 07 p0954 N91-15243

Cryo-calibration facility for ISOPHOT
07 p0957 N91-15264

Development and application of the test data analysis and monitoring software DIANA
07 p0959 N91-15279

Concept for a multipolarization X-band SAR on EOS
07 p0993 N91-15450

Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840

Plant production as part of a Controlled Ecological Life Support System (CELSS) 11 p1755 N91-19656

Handling qualities of highly augmented unstable aircraft summary of an AGARD-FMP working group effort
15 p2371 N91-23116

Integration of handling quality aspects into the aerodynamic design of modern unstable fighters
15 p2372 N91-23125

Metallic foams (TEXUS 5) 23 p3847 N91-31451

Preparation of aluminium foams (TEXUS 9)
23 p3848 N91-31452

DORNIER-WERKE G.M.B.H., FRIEDRICHSHAFEN (GERMANY, F.R.).

A semi-empirical prediction method for missile aerodynamics 06 p0773 N91-14288

Computation of axisymmetric base flow with different turbulence models 06 p0775 N91-14298

Application of civil air transport technology to military airlift 10 p1466 N91-18086

TEMPUS: A facility for containerless electromagnetic processing onboard spacelab 13 p2062 N91-21349

DORTMUND UNIV. (GERMANY, F.R.).

Examination of a turbulence structure in a plane mixing layer and behind a channel enlargement for the flow of two non Newtonian fluids
[ETN-90-98193] 04 p0524 N91-12916

Use of neutron diffraction methods for the determination of mechanical stresses in metal ceramic laminated composite materials 05 p0638 N91-13537

Regulation of a direct drive robot axle, taking as an example a six axle industrial robot
[ETN-91-98495] 07 p1010 N91-15548

The interaction of free electron lasers and storage rings, analyzed with a mapping algorithm for distributed functions
[DELTA-IR-90-03] 10 p1530 N91-18424

DOTY SCIENTIFIC, INC., COLUMBIA, SC.

Microtube strip heat exchanger
[DE91-005741] 11 p1726 N91-19504

Microtube strip heat exchanger
[DE91-015223] 21 p3517 N91-29529

Microtube strip heat exchanger
[DE91-009884] 22 p3675 N91-30464

DOUGLAS AIRCRAFT CO., INC., AURORA, CO.

Style manual for use in computer based instruction
[AD-A226959] 07 p1048 N91-15754

DOUGLAS AIRCRAFT CO., INC., LONG BEACH, CA.

Douglas flight deck design philosophy
02 p0162 N91-10939

Procedure for generating global atmospheric engine emissions data from future supersonic transport aircraft. The 1990 high speed civil transport studies
[NASA-CR-181882] 05 p0621 N91-13447

Structural development of laminar flow control aircraft chordwise wing joint designs
[NASA-CR-181888] 06 p0784 N91-14346

The C-17: Modern airlifter requirements and capabilities 10 p1467 N91-18090

The 1989 high-speed civil transport studies
[NASA-CR-4375] 16 p2559 N91-24195

Nondestructive Evaluation (NDE) of fiberglass marine structures state-of-the art review
[AD-A234785] 18 p2997 N91-26550

Test results for composite specimens and elements containing joints and cutouts
[NASA-CR-178246] 21 p3472 N91-29254

The 1989 high-speed civil transport studies
[NASA-CR-187545] 22 p3619 N91-30136

Fuselage shell and cavity response measurements on a DC-9 test section
[NASA-CR-187557] 23 p3924 N91-31926

Analysis of interior noise ground and flight test data for advanced turboprop aircraft applications
[NASA-CR-187558] 23 p3924 N91-31927

DOUGLAS AIRCRAFT CO., INC., SAINT LOUIS, MO.

Design methodology for a community response questionnaire on sonic boom exposure
[NASA-CR-187503] 14 p2323 N91-22830

DOVE ELECTRONICS, INC., ROME, NY.

Hybrid optical processor
[AD-A227163] 06 p0874 N91-14834

DRAPER (CHARLES STARK) LAB., INC., CAMBRIDGE, MA.

Entry vehicle performance analysis and atmospheric guidance algorithm for precision landing on Mars
[NASA-CR-185614] 01 p0017 N91-10102

Prediction and reconstruction of on-orbit acceleration
03 p0430 N91-12409

Techniques for transient error recovery and avoidance in redundant processing systems
04 p0483 N91-12686

The role of time-limited dispatch operation in fault-tolerant flight critical control systems
04 p0483 N91-12687

A Byzantine resilient processor with an encoded fault-tolerant shared memory 04 p0485 N91-12695

A highly reliable, autonomous data communication subsystem for an advanced information processing system 04 p0485 N91-12696
Micro based technology: A new tool for missile guidance system design and visualization 05 p0620 N91-13440
Interactions between battle management and guidance law design for a strategic interceptor 05 p0620 N91-13441
Guidance methods for tactical and strategic missiles 05 p0620 N91-13442
Knowledge representation into Ada parallel processing [NASA-CR-187451] 05 p0705 N91-13934
The microcomputer as a tool for guidance and control visualization 07 p1043 N91-15724
Software reliability experiments data analysis and investigation [NASA-CR-187492] 09 p1386 N91-17626
Dynamic modelling and analysis of a magnetically suspended flexible rotor 13 p2038 N91-21208
Advanced ECCM techniques for GPS processing 16 p2615 N91-24478
Planning and planning management for autonomous and semi-autonomous vehicles 17 p2732 N91-25127
Multivariable control of the Space Shuttle remote manipulator system using H2 and H(infinity) optimization [NASA-CR-185661] 19 p3173 N91-27540
Equations of motion for a flexible spacecraft-lumped parameter idealization [NASA-CR-188727] 21 p3464 N91-29211

DREXEL UNIV., PHILADELPHIA, PA.
A stochastic analysis of state transitions in an air space management system 02 p0169 N91-10980
Heat transfer and flow studies in an abrupt expansion pipe with non-Newtonian fluids 02 p0211 N91-11180
Structure and properties of high symmetry composites [AD-A226479] 04 p0499 N91-12769
Ultrasonic oblique incidence interface characterization 07 p1014 N91-15569
Mechanical property enhancement of thicker section thermoplastic composites by hybridization 09 p1304 N91-17154
Elastic behavior of 3-D braided composites under compressive loading 09 p1304 N91-17156
Fundamental approach to service life prediction of Flexible Membrane Liners (FML's) [PB90-263856] 09 p1349 N91-17410
Fracture of brittle solids 12 p1860 N91-20217
Hierarchical Neural Network (HNN) for closed loop decision making: Designing the architecture of a hierarchical neural network to model attention, learning and goal oriented behavior [AD-A233030] 16 p2675 N91-24808
Damage progression during static and fatigue loading in metal matrix composites, volumes 1-3 20 p3306 N91-28301
Finite element modeling of 2-D delamination growth in laminated composites 20 p3307 N91-28302

DU PONT DE NEMOURS (E. I.) AND CO., AIKEN, SC.
Wetlands mapping with spot multispectral scanner data [DE91-000780] 04 p0545 N91-13024

DU PONT DE NEMOURS (E. I.) AND CO., WILMINGTON, DE.
An exact algorithm for funding undirected Hamiltonian cycles based on a two-matching problem relaxation [AD-A237241] 21 p3555 N91-29753
An exact two-matching based branch and bound algorithm for the symmetric traveling salesman problem [AD-A237878] 21 p3566 N91-29823

DUBLIN INST. FOR ADVANCED STUDIES (IRELAND).
The LDEF ultra heavy cosmic ray experiment 16 p2709 N91-24994

DUESSELDORF UNIV. (GERMANY, F.R.).
Formation and dynamics of solitary waves and vortices in driven and damped systems 20 p3416 N91-28942

DUISBURG UNIV. (GERMANY, F.R.).
Calculation of the flow in the corrected boundary layer of axial flow compressor stators [ETN-90-98191] 04 p0524 N91-12915

DUKE UNIV., DURHAM, NC.
Aircraft interior noise reduction by alternate resonance tuning [NASA-CR-186879] 02 p0266 N91-11488
Research on advanced sources and applications [AD-A225997] 04 p0529 N91-12931
Spectroscopic investigations of nonambient systems with millimeter and submillimeter probes [AD-A226201] 04 p0580 N91-13235
Design of QMF (Quadrature Mirror Filter) in spatial domain and edge encoding 04 p0601 N91-13345
Computational complexity and efficiency in electro-optical computing systems [AD-A229195] 09 p1374 N91-17552
Proceedings of the 3rd Workshop on Dynamics and Aeroelastic Stability Modeling of Rotorcraft Systems [AD-A227930] 10 p1457 N91-18034
Structure of the gas exchange region of the lungs determined by three-dimensional reconstructions [PB91-133017] 12 p1928 N91-20609
Measurement and calculation of forces in a magnetic journal bearing actuator 13 p2037 N91-21207
Very high speed holographic message routing for parallel machines [AD-A230965] 13 p2089 N91-21499
Synthesis and characterization of indium-arsenic compounds containing a four-membered In-Ad-In-As or In-As-In-Cl ring: Crystal structures of ((Me3SiCH2)2 InAs(SiMe3)2)2 and (Me3SiCH2)2 InAs(SiMe3)2 In(CH2SiMe3)2Cl [AD-A232368] 15 p2518 N91-23956
Computational complexity and efficiency in electro-optical computing system [AD-A235013] 18 p3038 N91-26765
Aircraft interior noise reduction by alternate resonance tuning [NASA-CR-185453] 18 p3058 N91-26889
Studies of interactions between elementary particles and nuclei [DE91-012300] 18 p3062 N91-26912
Preparation of a novel gallium arsenide single-source precursor having the empirical formula AsCl3Ga2 [AD-A233704] 18 p3068 N91-26949
The use of silylarsines to prepare gallium-arsenic compounds [AD-A236742] 19 p3127 N91-27279
Thermal conductivity of solid hydrogen at low temperature 20 p3311 N91-28330
Stable isotope fractionation in photosynthesis: Analysis of autotrophic competence following transformation of the chloroplast genome of Chlamydomonas [DE91-015792] 21 p3548 N91-29713
High energy physics [DE91-015796] 23 p3926 N91-31939
Calculation of unsteady linearized Euler flows in cascades using harmonically deforming grids [NASA-CR-188916] 24 p4014 N91-32442

DURHAM UNIV. (ENGLAND).
Very high energy gamma rays from isolated pulsars and non-pulsating objects 02 p0295 N91-11655
Electronic states in semiconductor superlattices and quantum wells 03 p0420 N91-12352
The wavelength dependence of polarization in NGC 2023 06 p0891 N91-14923
Validation of viscous, three-dimensional flow calculations in an axial turbine cascade 14 p2195 N91-22123
The thermal and nonthermal radio emission from the galaxy 17 p2919 N91-26109
A faint galaxy redshift survey and implications for cosmology 20 p3442 N91-29100

DYNACS ENGINEERING CO., INC., CLEARWATER, FL.
A generic multi-flex-body dynamics, controls simulation tool for space station 14 p2228 N91-22321

DYNAMET TECHNOLOGY, INC., BURLINGTON, MA.
Feasibility study for the qualification of an economically advantageous Ti-6Al-4V bearing housing for gas turbine engine application by powder metal manufacturing technology [AD-A231666] 14 p2271 N91-22564

DYNAMIC ENGINEERING, INC., NEWPORT NEWS, VA.
Experiences with the use of axisymmetric elements in cosmic NASTRAN for static analysis 12 p1912 N91-20516

DYNAMICS RESEARCH CORP., ANDOVER, MA.
The Assistant for Specifying the Quality Software (ASQS). Volume 1: Operational concept document [AD-A227893] 08 p1202 N91-16608
The Assistant for Specifying the Quality Software (ASQS). Volume 2: User's manual. Volume 2 [AD-A227894] 08 p1202 N91-16609

DYNAMICS RESEARCH CORP., WILMINGTON, MA.
Hardware versus manpower compatibility methodology. Volume 1: Overview and manager's guide [AD-A225122] 03 p0397 N91-12208

DYNETICS, INC., HUNTSVILLE, AL.
Attitude profile design program [NASA-CR-184183] 22 p3627 N91-30181

E

E-TEK DYNAMICS, INC., SAN JOSE, CA.
Heterodyne laser mixer [AD-A236687] 19 p3171 N91-27535

EAGLE-PICHER INDUSTRIES, INC., JOPLIN, MO.
Small capacity, low cost (Ni-H2) design concept for commercial, military, and higher-volume aerospace applications 24 p4038 N91-32565

EAST ANGLIA UNIV., NORWICH (ENGLAND).
Composition of atmospheric aerosols in rural East Anglia and meteorological controls 03 p0391 N91-12179
Comparison of information systems definition methodologies: An action research, multiview perspective 03 p0427 N91-12392
Detection of CO2-induced climatic change [DE91-004595] 07 p1027 N91-15637
Effect of aircraft emissions on atmospheric ozone in the Northern Hemisphere [PB91-172072] 19 p3188 N91-27628

EAST TENNESSEE STATE UNIV., JOHNSON CITY.
Enhancing the tolerance to Gz(+) acceleration by optimizing the use of isometric contractions in combination with straining maneuvers [AD-A230454] 12 p1933 N91-20639

EASTERN CONNECTICUT STATE COLL., WILLIMANTIC.
Optimal trajectories based on linear equations 09 p1293 N91-17105

EASTERN VIRGINIA MEDICAL SCHOOL,. NORFOLK.
Jellyfish: Special tools for biological research on Earth and in space 17 p2820 N91-25581
Effects of clinostat rotation on aurelia statolith synthesis 17 p2820 N91-25582

EASTMAN KODAK CO., ROCHESTER, NY.
Effects of long term exposure on optical substrates and coatings (SOO50-1) 16 p2721 N91-25071
Precision metering of microliter volumes of biological fluids in micro-gravity 24 p4080 N91-32792

EBASCO SERVICES, INC., LYNDHURST, NJ.
Software supplier evaluation and assessment 04 p0459 N91-12564

ECOLE CENTRALE DE LYON (FRANCE).
Method for simulating large dimension devices submitted to electromagnetic perturbations [ECL-90-10] 01 p0035 N91-10210
Contribution to the study of the electromagnetic field radiation close to electronics circuits [ECL-90-12] 01 p0035 N91-10211
Markov model of the propagation of a light wave in a heated turbulent media [ECL-90-06] 01 p0122 N91-10723
Contribution to the study of MOS structures ageing [ECL-90-04] 01 p0133 N91-10785
Theoretical and numerical aspects of wave stability in combustion models [ECL-89-21] 02 p0194 N91-11088
Study of the wear behavior induced by fretting in aluminum and titanium alloys [ECL-90-01] 02 p0220 N91-11229
Investigation and development of ISFET type chemical sensors, sensitized by dielectric tying [ECL-90-18] 05 p0653 N91-13630
A minimization method adapted to the finite element technique for turbulent flow simulation with nonlinear boundary conditions in the wall vicinity [ECL-90-016] 05 p0660 N91-13664
Modelization of two phase turbulent jet up to its auto ignition in variable pressure and temperature environments [ETN-91-98341] 05 p0660 N91-13665
Contribution of low wave numbers to the wall pressure field in a two dimensional turbulent boundary layer: Comparison of different experimental techniques [ECL-90-15] 23 p3783 N91-31091
Calculating the flow in a turbomachine with Clebsch variables and a finite element method [ETN-91-99918] 23 p3797 N91-31180
A three-dimensional code to solve the Poisson equation: Numerical simulation of the breakdown in P-N junction devices [ECL-90-27] 23 p3860 N91-31525
Contribution to the implementation of a completely in situ device in ultrahigh vacuum for the development of MIS on InP structures: Al2O3/InP interface optimization [ECL-91-04] 23 p3861 N91-31526
Design of a specific integrated circuit for solving the three dimensional Poisson equation [ECL-90-24] 23 p3861 N91-31527
Identifying behavior characteristics using pressuremeter tests [ETN-91-99917] 23 p3885 N91-31680
Behavior of nonlinear mechanical structures subjected to stationary excitations [ECL-91-01] 23 p3885 N91-31681
Small time step adaptive control: Theory and application to an electric furnace [ECL-90-17] 23 p3918 N91-31883

ECOLE DES MINES, NANCY (FRANCE).
Physical metallurgy of aluminum powder alloys 03 p0341 N91-11911

ECOLE NATIONALE SUPERIEURE D'ARTS ET METIERS, PARIS (FRANCE).
Flexure fatigue tests for composites 11 p1674 N91-19227

ECOLE NATIONALE SUPERIEURE DES MINES, VALBONNE (FRANCE).
Field 3, theme 1: Structural materials. Post 2: Thermotropic liquid crystal polymers
[ETN-91-99982] 23 p3819 N91-31306

ECOLE NATIONALE SUPERIEURE DES TELECOMMUNICATIONS, PARIS (FRANCE).
Regular unitary dilation of commuting contractions and Markovian representations of Gaussian stationary processes on the set Z(2)
[TELECOM-90-D-009] 11 p1786 N91-19798
A knowledge base recognition system speech spectrogram interpretation
[TELECOM-90-E-006] 12 p1889 N91-20383
Point of shot recognition for a photograph from a model of the scene
[TELECOM-90-E-005] 12 p1902 N91-20461
On the convergence of Strat's shape from shading method
[TELECOM-90-C-004] 12 p1959 N91-20775
Theoretical study of the Strat shape shading algorithm
[TELECOM-90-D-008] 12 p1959 N91-20776
Code and modification algorithms of prosodic parameters for speech synthesis from text
[TELECOM-90-E-004] 12 p1959 N91-20777
A new approach towards the critical properties of the Ising model
[TELECOM-90-C-005] 12 p1974 N91-20861

ECOLE NORMALE SUPERIEURE, PARIS (FRANCE).
CO observations of southern mergers
05 p0754 N91-14197
The molecular spiral arms of NGC 6946
05 p0761 N91-14231
Small scale variations of abundances of transiently heated grains in molecular clouds
06 p0892 N91-14927
Early COBE results and superconducting cosmic strings 13 p2172 N91-21989
The stucture of molecular clouds: New questions
13 p2175 N91-22011

ECOLE POLYTECHNIQUE, PALAISEAU (FRANCE).
Nonlinear plasma effects in the environment of active galactic nuclei 06 p0921 N91-15085
Models of collisional transport across a magnetic field with destroyed surfaces 20 p3409 N91-28900
Development of an infrared Laser Fourier Densitometer (LFD) and first wind tunnel tests
[PMI-2335] 23 p3799 N91-31189

ECOLE POLYTECHNIQUE, PARIS (FRANCE).
Structures observed on the spot radiance fields during the FIRE experiment 01 p0085 N91-10503

ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (SWITZERLAND).
Activities report of the Laboratory for Hydraulic Research
[ETN-91-98907] 12 p1897 N91-20432
Velocity distribution in unsteady flow over gravel-beds
12 p1897 N91-20433
Steady gradually accelerating flow in a smooth open channel 12 p1897 N91-20434
Decelerating flow in a gravel bed flume
12 p1897 N91-20435
Fully coupled unsteady mobile boundary flow model (FCMOBED) 12 p1898 N91-20436
Mathematical and numerical modeling of internal waves in Lake Geneva (Switzerland) 12 p1898 N91-20437
Study of seasonal variation of mixing phenomena in the hypolimnion of Lake Geneva (Switzerland)
12 p1898 N91-20438
Horizontal turbulent mixing dynamics on large-scale and fine-scale in Lake Geneva 12 p1898 N91-20439

ECOLE POLYTECHNIQUE FEMININE, SCEAUX (FRANCE).
Carrier aircraft 10 p1482 N91-18168

ECOLE SUPERIEURE DE PHYSIQUE ET DE CHIMIE INDUSTRIELLES, PARIS (FRANCE).
Composite matrix deformation process in relation to molecular structure
[ETN-91-99915] 23 p3806 N91-31232

EDGERTON, GERMESHAUSEN AND GRIER, INC., ALBUQUERQUE, NM.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Creating numeric control documents using the cadnetix photoplot extractor
[DE90-011198] 09 p1389 N91-17639

EDGERTON, GERMESHAUSEN AND GRIER, INC., IDAHO FALLS, ID.
A microprocessor based charge control system for the simultaneous charging of several batteries with one charge controller
[DE90-017089] 02 p0207 N91-11157
Heat exchanger fouling: Prediction, measurement, and mitigation
[DE91-001997] 05 p0659 N91-13661
Design reliability engineering
[DE91-001949] 05 p0673 N91-13744
Supercritical binary geothermal cycle experiments with mixed-hydrocarbon working fluids and a near-horizontal in-tube condenser
[DE91-001815] 05 p0683 N91-13798
Tightly coupled simulation utilizing the EBR-II LMR: A real-time supercomputing and AI environment
[DE91-001942] 05 p0705 N91-13932
SP-100 from ground demonstration to flight validation
[DE91-001869] 05 p0714 N91-13986
Communication system test for image transmission
[DE91-001890] 05 p0716 N91-13994
Dynamic consolidation of aluminum-silicon carbide composites
[DE91-001929] 06 p0802 N91-14427
Thin steel section casting on a near-horizontal twin-belt caster
[DE91-001883] 06 p0816 N91-14505
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407
In situ vitrification: Numerical studies of coupled heat transfer and viscous flow processes
[DE91-001888] 07 p1002 N91-15501
Acoustical and dynamic mechanical characterization of fiber-matrix interface bonds in ceramic composites
[DE90-010949] 08 p1105 N91-16066
Laboratory testing of chloride 3ET205 6 volt traction battery
[DE90-010926] 08 p1132 N91-16225
Assessment of battery technologies for electric vehicles. Volume 2, part 1: Appendices
[DE90-010907] 08 p1132 N91-16227
Sensing of metal-transfer mode for process control of GMAW (Gas Metal Arc Welding)
[DE90-010946] 08 p1158 N91-16377
Living PRAs (Probabilistic Risk Analysis) made easier with IRRAS (Integrated Reliability and Risk Analysis System)
[DE90-010938] 08 p1161 N91-16395
The role of quality assurance in the monitoring of terrestrial ecosystems
[DE90-010986] 08 p1174 N91-16461
Automatic, high-resolution analysis of low-noise fringes
[DE90-009779] 08 p1196 N91-16574
A convenient system for diffraction moire measurements
[DE90-010980] 08 p1223 N91-16739
Atoms for space
[DE91-006294] 09 p1286 N91-17072
A one-wire battery monitoring system with applications to on-board charging for electric vehicles
[DE91-005922] 09 p1330 N91-17305
Electronic systems miniaturization using programmable logic devices
[DE91-006214] 09 p1330 N91-17307
A preliminary stage configuration for a Low Pressure Nuclear Thermal Rocket (LPNTR)
[DE91-006110] 10 p1491 N91-18210
A case for Mars: A case for nuclear thermal rockets
[DE91-006143] 10 p1491 N91-18211
Application of backpropagation neural networks to phonetic element classification
[DE91-006144] 10 p1513 N91-18330
Application of the GSFUDS to advanced batteries and vehicles
[DE91-006116] 10 p1518 N91-18358
Evaluation of pulse power devices in electric vehicle propulsion systems
[DE91-006117] 10 p1518 N91-18359
Simulation of electric vehicles with hybrid power systems
[DE91-006118] 10 p1518 N91-18360
The dynamics of droplet formation and detachment in gas metal arc welding
[DE91-006130] 10 p1531 N91-18437
Ground-based testing of space nuclear power plants
[DE91-006179] 10 p1595 N91-18798
The measurement of single particle temperature in plasma sprays
[DE91-006135] 10 p1602 N91-18834
Laboratory testing of the Sonnenschein charger, Part number DTL 12040
[DE91-006543] 11 p1697 N91-19346
Lessons learned from the design and operation of steam generators for high temperature gas-cooled reactors
[DE91-006139] 11 p1716 N91-19450
Measurement of particle size, velocity and temperature in the plasma spray coating process
[DE91-006208] 15 p2405 N91-23317
Particle-fluid two-phase flow modeling
[DE91-010102] 15 p2422 N91-23415
Heat and mass transfer in the gas tungsten and gas metal arc welding processes
[DE91-010089] 15 p2439 N91-23510
Implementation of the FAA research and development electromagnetic database
[DE91-010063] 15 p2468 N91-23674
The CERBERUS Ver. 02 code: A parallel six-equation thermal-hydraulic-system simulation code
[DE91-010079] 15 p2482 N91-23736
Gas core reactors for direct nuclear propulsion
[DE91-010050] 15 p2506 N91-23884
Fission fragment rocket scientific feasibility assessment
[DE91-010076] 17 p2741 N91-25170
Thermogravimetric experiments with titanium
[DE91-010073] 17 p2759 N91-25271
Improving ADP quality and productivity
[DE91-010049] 17 p2786 N91-25417
Conceptual geologic model and native state model of the Roosevelt Hot Springs hydrothermal system
[DE91-010056] 17 p2804 N91-25503
Current distribution modeling for novel alumina electrolysis
[DE91-010060] 18 p2956 N91-26315
Measurement of thermal plasma jet temperature and velocity by laser light lineshape analysis
[DE91-010053] 19 p3247 N91-27959
Heat resistant materials and their feasibility issues for a space nuclear transportation system
[DE91-014071] 20 p3289 N91-28187
Small Ex-core Heat Pipe Thermionic Reactor concept (SEHPTR)
[DE91-014073] 20 p3303 N91-28279
A review of silicon carbide/metal interactions with relevance to silicon carbide joining
[DE91-012768] 20 p3303 N91-28282
Mechanisms of bacterial metals removal from solids
[DE91-012808] 20 p3316 N91-28356
Substructure and electrical resistivity analyses of pure tungsten sheet
[DE91-014098] 20 p3317 N91-28362
Effects of various parameters on the fatigue life of alloy 718
[DE91-014100] 20 p3320 N91-28380
Recent ASME Code Section 11 developments for surface examination through coatings
[DE91-014069] 20 p3329 N91-28437
Laboratory testing of the dual traction battery GC12V100
[DE91-012743] 20 p3339 N91-28491
Gas evolution from spheres
[DE91-012807] 20 p3343 N91-28510
A laser based technique for particle sizing to study two phase expansion in turbines
[DE91-014172] 20 p3357 N91-28595
Using HSYS in the analysis of human-system interactions: Examples from the offshore petroleum industry
[DE91-013218] 20 p3381 N91-28732
Software development experiences with a distributed database in a large, distributed computer system
[DE91-012818] 20 p3384 N91-28750
Guidelines for acquisition, installation, and testing of performance assessment software
[DE91-013910] 20 p3387 N91-28764
A parallel algorithm for solving linear equations arising from one-dimensional network problems
[DE91-012815] 20 p3392 N91-28795
Evidences of trapping in tungsten and implications for plasma-facing components
[DE91-012734] 20 p3418 N91-28951
The human side of value engineering
[DE91-012817] 20 p3436 N91-29068
Distributed relational database design and implementation for a large, distributed computer system
[DE91-012812] 20 p3438 N91-29077
Tensile properties and microstructure of Alloy 718 thermally aged to 50,000 h
[DE91-014099] 21 p3479 N91-29299
An evaluation of nickel-aluminum coatings fabricated with the plasma-spray process
[DE91-013208] 21 p3484 N91-29328
Production of organic chemicals via bioconversion: A review of the potential
[DE91-015524] 23 p3805 N91-31223
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91 32218

EDGERTON, GERMESHAUSEN AND GRIER, INC., LOS ALAMOS, NM.
Design of a twenty-element long focal length zoom lens
[DE91-010770] 15 p2508 N91-23894

EDGERTON, GERMESHAUSEN AND GRIER, INC., SALEM, MA.
Rubidium atomic frequency standards for GPS Block IIR 17 p2852 N91-25771
The physics of the environmental sensitivity of rubidium gas cell atomic frequency standards
17 p2857 N91-25795

EDINBURGH UNIV. (SCOTLAND).
Vigorous star formation in galactic nuclei
01 p0138 N91-10814
High resolution sub-millimetre mapping of starburst galaxies: Comparison with CO emission
05 p0740 N91-14129
Infrared spectroscopy of the dwarf starburst galaxy Henize 2-10
05 p0757 N91-14213
The Edinburgh/Durham Southern Galaxy Catalogue: An investigation into the large-scale structure of the universe
16 p2702 N91-24961
A multicolour search for quasars
17 p2889 N91-25974
EDUCATIONAL TESTING SERVICE, PRINCETON, NJ.
Response latency measures for biographical inventories
[AD-A235010] 18 p3077 N91-27005
EEG SYSTEMS LAB., SAN FRANCISCO, CA.
Empirical network model of human higher cognitive brain functions
[AD-A227193] 06 p0855 N91-14718
EFFORT, INC., HOUSTON, TX.
Free-floating experiments in orbiter and space station
03 p0432 N91-12420
EG AND G ENERGY MEASUREMENTS, INC., GOLETA, CA.
Gabor zone plate apertures for imaging with the mercuric iodide gamma ray camera
[DE90-011193] 08 p1148 N91-16321
Uniform field laser illuminator for remote sensing
[DE91-010823] 17 p2781 N91-25391
Electrical and photomechanical effects of plastic deformation of mercuric iodide
[DE91-013108] 20 p3429 N91-29022
Crystal surface analysis using matrix textural features classified by a probabilistic neural network
[DE91-014120] 20 p3433 N91-29048
Performance evaluation of new large-area avalanche photodiodes for scintillation spectroscopy
[DE91-017400] 24 p4007 N91-32405
Optical diagnostics of mercuric iodide crystal growth
[DE91-017396] 24 p4112 N91-32983
EG AND G ENERGY MEASUREMENTS, INC., IDAHO FALLS.
Characteristics of pulsed nuclear reactor pumped flowing gas lasers
[DE91-010054] 16 p2633 N91-24574
Advanced binary geothermal power plants: Limits of performance
[DE91-010065] 16 p2652 N91-24675
EG AND G ENERGY MEASUREMENTS, INC., LAS VEGAS, NV.
Application of geographic information system for emergency management
[DE91-010766] 17 p2887 N91-25964
The in-flight calibration of a helicopter-mounted Daedalus multispectral scanner
[DE91-013054] 20 p3286 N91-28170
Measuring neutron fluences and gamma/x ray fluxes with CCD cameras
[DE91-014119] 20 p3349 N91-28549
Photophysics and chemistry of ultra-fast ZnO and CdS phosphors
[DE91-013106] 23 p3931 N91-31966
EG AND G ENERGY MEASUREMENTS, INC., LOS ALAMOS, NM.
Is capstrum averaging applicable to circularly polarized electric-field data?
[DE91-010824] 17 p2767 N91-25315
EG AND G ENERGY MEASUREMENTS, INC., PLEASANTON, CA.
Turbulence and diffusion in the atmospheric boundary layer
[DE90-011582] 08 p1175 N91-16471
Measurement of modulation transfer function for four types of imaging elements used in fast cameras
[DE91-017399] 24 p4021 N91-32475
EG AND G MOUND APPLIED TECHNOLOGIES, MIAMISBURG, OH.
Characterization of phenolic resins with thermogravimetry-mass spectrometry
[DE91-002710] 06 p0813 N91-14492
Thermal analyses for quality control of plastics, ceramics, and explosives
[DE91-002701] 06 p0836 N91-14622
Applications of the operational method
[DE91-002973] 07 p1056 N91-15801
Comparison of hydrogen diffusion in Ti2PdH(x) to the behavior for Ti2CuH(x) and Zr2PdH(x)
[DE91-002711] 08 p1235 N91-16808
Bearing staking process investigation using a designed experiment
[DE91-006280] 10 p1532 N91-18441
Hot isostatic pressing of high performance glass-ceramic to nickel- and iron-based metal components
[DE91-008130] 11 p1684 N91-19281
Measurement control for calorimetric assay
[DE91-009445] 15 p2397 N91-23274
Unipunch capability study
[DE91-008825] 15 p2436 N91-23498
Operational interpolation of data in triangular array
[DE91-012987] 20 p3392 N91-28800
Feasibility of a laser-ignited HMX deflagration-to-detonation transition device for the US Navy LITES Program
[DE91-015210] 21 p3493 N91-29382
EG AND G ROCKY FLATS, INC., GOLDEN, CO.
Penetration in GTA welding
[DE90-008971] 02 p0217 N91-11213
Development of models for welding applications
[DE91-001101] 04 p0532 N91-12953
Mathematical modelling of part voltage and weld current in resistance welders
[DE91-002534] 05 p0671 N91-13727
Superplastic deformation properties of Ti-6Al-4V
[DE91-000503] 05 p0676 N91-13757
Plotting and summary routines for TASK8
[DE91-010689] 16 p2671 N91-24786
The electronic connection
[DE91-010883] 17 p2888 N91-25967
Changes with material properties of acoustic emission produced during single point machining
[DE91-011913] 20 p3332 N91-28452
Origin of acoustic emission produced during single point machining
[DE91-011915] 20 p3332 N91-28453
Calculation of intra-rare Earth binary phase diagrams
[DE91-014950] 21 p3474 N91-29267
EG AND G WASHINGTON ANALYTICAL SERVICES CENTER, INC., WALTHAM, MA.
Northern California coastal circulation study: Results of the pilot program: Executive summary
[PB90-261660] 09 p1369 N91-17523
Northern California coastal circulation study: Results of the pilot program
[PB90-261678] 09 p1369 N91-17524
EIC, INC., NORWOOD, MA.
Studies of the fundamentals of solids state batteries
[AD-A228772] 08 p1135 N91-16247
Development of a nickel oxide/hydrogen multilayer bipolar battery for pulsed power, phase 2
[AD-A228388] 09 p1326 N91-17284
Solid state electrochromic smart windows
[DE91-011026] 17 p2872 N91-25887
EIDETICS INTERNATIONAL, INC., TORRANCE, CA.
Forebody vortex control 14 p2192 N91-22110
EIDGENOESSISCHE TECHNISCHE HOCHSCHULE, ZURICH (SWITZERLAND).
Twelve years in the life of symbiotic stars
09 p1430 N91-17871
Rayleigh scattering in symbiotic stars
09 p1439 N91-17932
Effect of running and head down tilt bedrest on lymphocyte reactivity 11 p1745 N91-19598
Lymphocytes on sounding rockets
11 p1749 N91-19620
Reduced lymphocyte activation in space: Role of cell-substratum interactions 11 p1750 N91-19621
Biolab on Columbus: A facility for basic science and biotechnology 11 p1756 N91-19658
Summary of aircraft measuring activities at LAPETH
14 p2289 N91-22661
EISCAT SCIENTIFIC ASSOCIATION, KIRUNA (SWEDEN).
The instrumental principles of MST radars and incoherent scatter radars and the configuration of radar system hardware 18 p3009 N91-26616
EISCAT SCIENTIFIC ASSOCIATION, RAMFJORDBOTN (NORWAY).
VLF, ELF, and ULF wave research using the Tromso heating facility 10 p1547 N91-18512
ELAB-RUNIT, TRONDHEIM (NORWAY).
SAW technology for multicarrier demodulation in advanced payloads 13 p2030 N91-21164
ELECTRICAL RESEARCH ASSOCIATION, LEATHERHEAD (ENGLAND).
Lightning induced currents in aircraft wiring using low level injection techniques 24 p4062 N91-32694
ELECTRICITY COUNCIL RESEARCH CENTRE, CAPENHURST (ENGLAND).
Extension of and improvements to the ERDC low frequency magnetic direction finding system
24 p4065 N91-32708
ELECTRO MAGNETIC APPLICATIONS, INC., DENVER, CO.
Development and application of linear and nonlinear methods for interpretation of lightning strikes to in-flight aircraft
[NASA-CR-3974] 01 p0094 N91-10548
ELECTRO MAGNETIC APPLICATIONS, INC., LAKEWOOD, CO.
The effects of the exhaust plume on the lightning triggering conditions for launch vehicles
24 p4056 N91-32656
Electron distribution functions in electric field environments 24 p4068 N91-32726
Evaluating lightning hazards to building environments using explicit numerical solutions of Maxwell's equations
24 p4069 N91-32733
ELECTROMER CORP., BELMONT, CA.
Circuit protection devices for transient suppression
24 p4069 N91-32732
ELECTRONIC POWER CONDITIONING, INC., CORVALLIS, OR.
Development of a variable-speed generator driven by an internal combustion engine
[PB91-195875] 22 p3668 N91-30424
ELECTRONIC SYSTEM G.M.B.H., MUNICH (GERMANY, F.R.).
Cockpit Mock Up (CMU): A design and development tool 07 p1044 N91-15730
ELECTRONICS RESEARCH LAB., ADELAIDE (AUSTRALIA).
Graph match program
[AD-A224819] 03 p0356 N91-11989
Meteor burst communications study
[AD-A228641] 08 p1128 N91-16204
Nonradiative dielectric waveguide millimetre-wave integrated circuits: A review
[AD-A227760] 08 p1134 N91-16238
Analysis of emission data from a Perkin-Elmer 1710 FTIR spectrometer
[AD-A227759] 08 p1150 N91-16331
XSHELL: A general purpose expert system shell
[AD-A228454] 08 p1203 N91-16616
Analysis of emission data from a broad-band radiometer
[AD-A228912] 09 p1339 N91-17354
Investigation at two wavelengths of a modulated He-Xe rare gas laser
[AD-A229852] 11 p1713 N91-19434
Logging programmes for trial THUNDERSTOP
[AD-A229854] 12 p1834 N91-20081
Tropospheric propagation modelling with the parabolic equation
[AD-A229853] 12 p1881 N91-20338
A laser ECM and ESM facility
[AD-A236021] 19 p3108 N91-27170
Report on m-EVES
[AD-A236014] 19 p3226 N91-27833
N reasons why production-rules are insufficient models for expert system knowledge representation schemes
[AD-A236015] 19 p3226 N91-27834
A general lease-squares fitting package for the sun workstation
[AD-A238180] 21 p3568 N91-29837
ELECTRONIQUE MARCEL DASSAULT, SAINT CLOUD (FRANCE).
Guidnace simulation model of antisea-skimmer utilization for weapon system definition
05 p0620 N91-13438
ELECTRONIQUE SERGE DASSAULT, SAINT CLOUD (FRANCE).
Performances of MMIC X-band power amplifiers obtained in foundry 07 p0942 N91-15161
ELECTROTECHNICAL LAB., IBARAKI (JAPAN).
Matching of complex 3-D surfaces using dynamic programming
[ERB-1022] 21 p3553 N91-29743
ELIZABETH CITY STATE UNIV., NC.
A three-dimensional application with the numerical grid generation code: EAGLE (utilizing an externally generated surface) 04 p0595 N91-13319
A user-friendly menu-driven language-free laser characteristics curves graphing program
04 p0596 N91-13326
ELORET CORP., MOFFETT FIELD, CA.
Computational results for flows over 2-D ramp and 3-D obstacle with an upwind Navier-Stokes solver
[NASA-CR-187701] 07 p1001 N91-15497
ELORET CORP., PALO ALTO, CA.
Computation of thermochemical nonequilibrium flows around a simple and a double ellipse
[NASA-CR-187702] 06 p0825 N91-14558
All-electron molecular Dirac-Hartree-Fock calculations: The group 4 tetrahydrides CH4, SiH4, GeH4, SnH4 and PbH4
[NASA-CR-187968] 10 p1496 N91-18237
Polyatomic molecular Dirac-Hartree-Fock calculations with Gaussian basis sets
[NASA-CR-187854] 10 p1591 N91-18772
Composite flexible blanket insulation
[NASA-CASE-NPO-11907-1-NP]
23 p3807 N91-31236

ELORET CORP., SUNNYVALE, CA.
Computed potential energy surfaces for chemical reactions
[NASA-CR-186877] 05 p0633 N91-13506
Theoretical study of the C-H bond dissociation energy of acetylene
[NASA-CR-187858] 08 p1105 N91-13065
Comparison of the quadratic configuration interaction and coupled cluster approaches to electron correlation including the effect of triple excitations
[NASA-CR-187855] 08 p1221 N91-16727
ELTECH SYSTEMS, INC., FAIRPORT HARBOR, OH.
The development of aluminum-air batteries for application in electric vehicles
[DE91-016863] 23 p3862 N91-31533
ELTRON RESEARCH, INC., AURORA, IL.
Methane conversion by solid electrolyte membranes
[PB90-226341] 01 p0063 N91-10381
EMA, MANSFIELD, TX.
Evaluation of rotorwash characteristics for tiltrotor and tiltwing aircraft in hovering flight
[SCT-90RR-18] 08 p1091 N91-15989
Analysis of rotorwash effects in helicopter mishaps
[DOT/FAA/RD-90/17] 24 p3952 N91-32086
EMC SCIENCE CENTER, INC., WEST CONSHOHOCKEN, PA.
Lightning testing at the subsystem level
24 p4066 N91-32714
EMEC CONSULTANTS, EXPORT, PA.
Experimental study of the electrolysis of silicate melts
16 p2594 N91-24372
Electrolytic production of oxygen from lunar resources
24 p4036 N91-32550
EMORY UNIV., ATLANTA, GA.
Subcellular signal transduction systems in the cellular trauma of ischemia
[AD-A229876] 11 p1765 N91-19709
ENERGETICS, INC., COLUMBIA, MD.
Evaluation of a high-temperature burner-duct-recuperator system
[DE90-000366] 02 p0230 N91-11284
ENERGY CONVERSION DEVICES, INC., TROY, MI.
The status of lightweight photovoltaic space array technology based on amorphous silicon solar cells
22 p3634 N91-30224
ENERGY INFORMATION ADMINISTRATION, WASHINGTON, DC.
EIA publications directory, 1990
[DE91-014350] 20 p3439 N91-29082
ENERGY TASK FORCE, INC., NEW YORK, NY.
An alternative fuels evaluation system for fleet vehicles
[DE91-013434] 22 p3684 N91-30514
ENERGY TECHNOLOGY DATA EXCHANGE, OAK RIDGE, TN.
International Energy: Subject Thesaurus
[DE90-008750] 03 p0427 N91-12390
International Energy Subject Categories and Scope
[DE90-015197] 04 p0606 N91-13373
International energy: Research organizations, 1986 - 1990
[DE91-006224] 16 p2652 N91-24677
ENGINEERING AND ECONOMICS RESEARCH, INC., VIENNA, VA.
Air traffic control and airspeed systems 2010 air traffic control operational concept
[AD-A229003] 10 p1468 N91-18097
Department of Defense air traffic control and airspace systems interface with the national airspace system
[AD-A229088] 10 p1468 N91-18098
ENGINEERING MECHANICS ASSOCIATION, INC., TORRANCE, CA.
Methods for evaluating the predictive accuracy of structural dynamic models
[NASA-CR-187649] 06 p0838 N91-14630
AIAA/AFOSR Workshop on Microgravity Simulation in Ground Validation Testing of Large Space Structures
[AD-A231507] 14 p2233 N91-22354
ENGINEERING SOCIETIES LIBRARY, NEW YORK.
International Conference on Mechanical Fatigue of Advanced Materials
[AD-A233545] 16 p2590 N91-24354
ENSCHEDE UNIV. (NETHERLANDS).
Network database in PROLOG
23 p3915 N91-31866
ENVIRONMENTAL ANALYSIS AND REMOTE SENSING, DELFT (NETHERLANDS).
Detection of submarine springs by thermal infrared imaging
[BCRS-90-11] 10 p1538 N91-18464
ENVIRONMENTAL DYNAMICS RESEARCH, INC., MIAMI, FL.
The effect of latent heat release on synoptic-to-planetary wave interactions and its implication for satellite observations: Theoretical modeling
08 p1184 N91-16514
ENVIRONMENTAL DYNAMICS RESEARCH, INC., PALM BEACH GARDENS, FL.
The impact of greenhouse climate change on the energetics and hydrologic processes of mid-latitude transient eddies
[NASA-CR-188203] 16 p2654 N91-24686
ENVIRONMENTAL PROTECTION AGENCY, ADA, OK.
Approximate multiphase flow modeling by characteristic methods
[PB91-190959] 21 p3516 N91-29526
ENVIRONMENTAL PROTECTION AGENCY, ANN ARBOR, MI.
Conversion of methanol-fueled 16-valve, 4-cylinder engine to operation on gaseous 2H2/CO fuel
[PB91-195941] 21 p3528 N91-29602
ENVIRONMENTAL PROTECTION AGENCY, ANNAPOLIS, MD.
Chesapeake Bay Basin Monitoring Program Atlas. Volume 1: Water quality and other physiochemical monitoring programs
[PB90-147935] 01 p0065 N91-10391
Chesapeake Bay Basin Monitoring Program Atlas. Volume 2: Biological and living resource monitoring programs
[PB90-147943] 01 p0065 N91-10392
ENVIRONMENTAL PROTECTION AGENCY, CINCINNATI, OH.
Ultrasonic flowmeters that are insensitive to suspended solids
[PB91-162404] 19 p3170 N91-27526
Rainfall data analysis using the gamma distribution function
[PB91-176834] 19 p3203 N91-27704
Sensitivity analysis of a nested ozone air quality model
[PB91-191221] 22 p3703 N91-30608
ENVIRONMENTAL PROTECTION AGENCY, CORVALLIS, OR.
Response of forest trees to sulfur, nitrogen, and associated pollutants
[PB90-270539] 09 p1360 N91-17473
Effects of UV-B and global climate change on Rice Research Plan
[PB91-109983] 09 p1361 N91-17478
ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NC.
The international sodar intercomparison experiment
[PB90-246224] 01 p0069 N91-10416
User's manual for OZIPM-4 (Ozone Isopleth Plotting with Optical Mechanisms), volume 1
[PB90-261488] 09 p1359 N91-17470
Vertical ozone fluxes and related deposition parameters over agricultural and forested landscapes
[PB91-109926] 12 p1920 N91-20563
Sampling and analysis for polychlorinated dibenzo-p-dioxins and dibenzofurans in ambient air
[PB91-131698] 12 p1920 N91-20565
Adaptation of the Advanced Statistical Trajectory Regional Air Pollution (ASTRAP) model to the EPA VAX computer: Modifications and testing
[PB91-127720] 13 p2113 N91-21631
Atmospheric transport and deposition of polychlorinated Dibenzo-P-Dioxins and Dibenzofurans
[PB91-144667] 16 p2655 N91-24688
EPA's global climate change program. Program plan for methane emissions from landfills and other waste disposal facilities
[PB91-182667] 19 p3187 N91-27625
Acid rain control options
[PB91-162545] 19 p3188 N91-27630
An advanced screening model for complex terrain applications
[PB91-162693] 19 p3188 N91-27631
Overview of the technical implications of methanol and ethanol as highway motor vehicle fuels
[PB91-182881] 21 p3493 N91-29385
Criteria for assessing the role of transported ozone/precursors in ozone nonattainment areas
[PB91-195958] 21 p3539 N91-29662
Wind field development for the EPA regional oxidant model
[PB91-191213] 22 p3710 N91-30648
Annular denuders for use in global climate and stratospheric measurements of acidic gases and particles 24 p4032 N91-32531
Proceedings of 2nd US/FRG Workshop on Photochemical Ozone Problem and its Control
[PB91-211847] 24 p4042 N91-32583
ENVIRONMENTAL PROTECTION AGENCY, SEATTLE, WA.
Region 10 environmental indicators
[PB91-136580] 15 p2458 N91-23623
ENVIRONMENTAL PROTECTION AGENCY, WASHINGTON, DC.
Potential effects of global climate change on the United States. Appendix C: Agriculture, volume 1
[PB90-171588] 01 p0066 N91-10394
Potential effects of global climate change on the United States. Appendix A: Water resources
[PB90-171968] 01 p0066 N91-10395
Potential effects of global climate change on the United States. Appendix B: Sea level rise
[PB90-172628] 01 p0066 N91-10396
Potential effects of global climate change on the United States. Appendix C: Agriculture, volume 2
[PB90-171596] 01 p0066 N91-10397
Potential effects of global climate change on the United States. Appendix D: Forests
[PB90-173238] 01 p0066 N91-10398
Potential effects of global climate change on the United States. Appendix E: Aquatic resources
[PB90-172297] 01 p0066 N91-10399
Potential effects of global climate change on the United States. Appendix F: Air quality
[PB90-172230] 01 p0067 N91-10400
Potential effects of global climate change on the United States. Appendix G: Health
[PB90-173881] 01 p0067 N91-10401
Potential effects of global climate change on the United States. Appendix H: Infrastructure
[PB90-172313] 01 p0067 N91-10402
Potential effects of global climate change on the United States. Appendix I: Variability
[PB90-173899] 01 p0067 N91-10403
Potential effects of global climate change on the United States. Appendix J: Policy
[PB90-173188] 01 p0067 N91-10404
Technology transfer: Hotlines
[PB90-237140] 02 p0283 N91-11594
Guide to EPA libraries and information services
[PB90-237108] 02 p0284 N91-11595
Report of the expert group on emissions scenarios of the response strategies working group of the intergovernmental panel on climate change
[PB90-253170] 04 p0544 N91-13019
Report of the expert group on emissions scenarios of the response strategies working group of the intergovernmental panel on climate change: Appendix
[PB90-253188] 04 p0544 N91-13020
Access EPA. Clearinghouses and hotlines: Information guide
[PB90-237082] 12 p1996 N91-20987
Information Systems Inventory (ISI)
[PB91-172940] 21 p3604 N91-30055
ENVIRONMENTAL RESEARCH INST. OF MICHIGAN, ANN ARBOR.
On three dimensional object recognition and pose-determination: An abstraction based approach
[NASA-CR-186894] 02 p0252 N91-11396
ALP FOPEN site description and ground truth summary
[AD-A224857] 03 p0384 N91-12143
Holographic lens for wide field-of-view laser communication receiver
[AD-A231620] 13 p2090 N91-21502
ERIM processing and analysis activities
[AD-A236206] 19 p3150 N91-27414
P-3 SAR calibration activity at Andros Island
[AD-A237357] 21 p3498 N91-29412
Synthetic aperture radar imagery of airports and surrounding areas: Study of clutter at grazing angles and their polarimetric properties
[NASA-CR-4398] 24 p3952 N91-32088
ENVIRONMENTAL RESEARCH LAB., ATHENS, GA.
Multispectral identification of potentially hazardous byproducts of ozonation and chlorination. Part 1: Studies of chromatographic and spectroscopic properties of MX
[PB91-161703] 18 p3006 N91-26601
Preliminary testing, evaluation and sensitivity analysis for the Terrestrial Ecosystem Exposure Assessment Model (TEEAM)
[PB91-161711] 18 p3006 N91-26602
ENVIRONMENTAL SCIENCE AND ENGINEERING, INC., GAINESVILLE, FL.
Ontario Ministry of the Environment: Air quality in Ontario, 1988
[PB91-100305] 09 p1358 N91-17465
ENVIROSYSTEMS SUPPLY, INC., FORT MYERS, FL.
National Bureau of Standards Publications 1977-1987. Volume 2: Indexes
[PB91-136515] 18 p3076 N91-26997
EPIR LTD., OAKBROOK, IL.
Evaluation of the feasibility and the cost of HgCdTe epitaxial layers grown by molecular beam epitaxy on CdTe, CdZnTe, and GaAs substrates
[AD-A238602] 22 p3760 N91-30958
EPPLEY LAB., INC., NEWPORT, RI.
Passive exposure of Earth radiation budget experiment components LDEF experiment AO-147: Post-flight examinations and tests 16 p2722 N91-25077
EQE ENGINEERING, INC., COSTA MESA, CA.
Probabilistic structural analysis by extremum methods
01 p0052 N91-10308

ERG SYSTEMS, INC., SAINT JAMES, NY.
Full surface testing of grazing incidence mirrors
[AD-A234005] 18 p3063 N91-26922
ERICSSON RADAR ELECTRONICS A.B., MOLNDAL (SWEDEN).
Metallisation methods and applications
03 p0327 N91-11817
ERIE COMMUNITY COLL., BUFFALO, NY.
Sensitization of stainless steel
12 p1859 N91-20213
ERIL RESEARCH, INC., CORTE MADERA, CA.
LDEF Experiment P0006 Linear Energy Transfer Spectrum Measurement (LETSME) quick look report
[NASA-CR-184115] 11 p1674 N91-19223
ERLANGEN-NUREMBERG UNIV. (GERMANY, F.R.).
Coriolis-effect in mass flow metering
[LSTM-266/T/89] 01 p0043 N91-10258
Optimization of a laser diode anemometry system
[LSTM-239/T/88] 08 p1155 N91-16364
Graviorientation in photosynthetic flagellates
11 p1758 N91-19673
Simultaneous tracking of flagellates in real time by image analysis 11 p1759 N91-19677
Growing of GaAs monocrystals after the floating zone process under microgravity 14 p2333 N91-22897
Two-dimensional numerical simulation of convection processes for melts in a Liquid Encapsulated Czochralski (LEC) arrangement with magnetic field
14 p2335 N91-22907
Floating zone growth of GaAs crystals (TEXUS 20)
23 p3835 N91-31386
Directional solidification of eutectics InSb-NiSb (TEXUS 10) 23 p3838 N91-31405
ERNO RAUMFAHRTTECHNIK G.M.B.H. BREMEN (GERMANY, F.R.).
Optimization criteria for the design of orbital replacement units
[MBB-UO-0092-90-PUB] 01 p0018 N91-10109
Guideline for orbital service technology (LOS)
[MBB-UO-0083-90-PUB] 03 p0321 N91-11794
Insert technology: Re-evaluation of the potting procedure 03 p0329 N91-11832
Status of ESA's composites design handbook for space structure applications 03 p0330 N91-11845
Microgravity acceleration modeling for orbital systems
03 p0432 N91-12421
Spacecraft autonomy concept validation by simulation: A feasibility assessment
[MBB-UO-0100-90-PUB] 04 p0493 N91-12741
Columbus generic element management and planning concept
[MBB-UO-0101-90-PUB] 04 p0493 N91-12742
Design, development, and verification of the EURECA A Orbit Transfer Assembly (OTA)
[MBB-UO-0102-90-PUB] 04 p0493 N91-12743
Mission characteristics and microgravity environment of the Columbus Free Flying Laboratory
[MBB-UO-0105-90-PUB] 04 p0494 N91-12744
Common approach for planetary habitation systems implementation
[MBB-UO-0115-90-PUB] 08 p1195 N91-16570
Development of a miniature biology facility
11 p1757 N91-19666
MARS: A generic mission planning tool
14 p2215 N91-22238
Spacecraft autonomy concept validation by simulation: A feasibility assessment 14 p2215 N91-22243
Columbus generic element management and planning concept 14 p2216 N91-22244
Rationales for the selection of a parts procurement system (coordinated versus centralized) from a prime contractor point of view 24 p4002 N91-32371
ERNST-MACH-INST., FREIBURG (GERMANY, F.R.).
Acceleration of particles in light gas guns for micrometeroid/space debris simulation
07 p0957 N91-15266
EROS DATA CENTER, SIOUX FALLS, SD.
Evaluation of data reduction and composing of the NOAA global vegetation index product: A case study
[AD-A227397] 06 p0840 N91-14641
ESCUELA TECNICA SUPERIOR DE INGENIEROS AERONAUTICOS, MADRID (SPAIN).
Long liquid bridges aboard sounding rockets (TEXUS 12) ESA 23 p3823 N91-31325
Freezing of a long liquid column (TEXUS 18) ESA
23 p3823 N91-31326
ESDU INTERNATIONAL LTD., LONDON (ENGLAND).
Introduction to transonic aerodynamics of aerofoils and wings
[ESDU-90008] 04 p0469 N91-12631
Pitching moment and lift force derivatives due to rate of pitch for aircraft at subsonic speeds
[ESDU-90010] 04 p0477 N91-12663
Frequencies of resonance in wind tunnels with ventilated walls and plenum chamber
[ESDU-90005] 04 p0487 N91-12707
Summary tables
[ESDU-PD4] 04 p0499 N91-12772
Thermophysical properties of sulphur dioxide
[ESDU-90003] 04 p0499 N91-12773
Boiling inside tubes: Post dry-out heat transfer in vertical tubes
[ESDU-90001] 04 p0521 N91-12901
Procedures for balancing planar linkages using rotating counterweights
[ESDU-90007] 04 p0531 N91-12947
Maximum inelastic bending moments and end loads for beam sections of general polygonal shape (computer program)
[ESDU-90004] 04 p0534 N91-12964
Parameter estimation of linear systems from frequency response measurements
[ESDU-90006] 04 p0535 N91-12965
Fatigue of aluminum alloy joints with various fastener systems
[ESDU-90009] 04 p0535 N91-12966
Airframe-induced upwash at subsonic speeds
[ESDU-90020] 07 p0936 N91-15130
Performance of conical diffusers in subsonic compressible flow
[ESDU-90025] 07 p0936 N91-15131
An introduction to aircraft excrescence drag
[ESDU-90029] 07 p0936 N91-15132
A method of estimating a separation boundary of two-dimensional aerofoil sections in transonic flow
[ESDU-81020-AMEND-A] 07 p0937 N91-15133
Energy height method for flight path optimisation
[ESDU-90012] 07 p0940 N91-15151
Normal force and pitching moment of low aspect ratio cropped-delta wings up to high angles of attack at supersonic speeds
[ESDU-90013] 07 p0940 N91-15152
Vapour pressures and critical points of liquids. Halogenated ethanes
[ESDU-90019] 07 p0976 N91-15356
Thermal conductivity of inorganic gases
[ESDU-90014] 07 p0977 N91-15361
Vapour pressures and critical points of liquids. Halogenated methanes
[ESDU-90015] 07 p0977 N91-15362
Thermophysical properties of refrigerant R-22 (chorodifluoromethane)
[ESDU-90017] 07 p0977 N91-15363
Effect of environment on fatigue crack propagation rate in titanium alloy sheet and plate
[ESDU-90028] 07 p0982 N91-15389
Condensation inside tubes; pressure drop in straight tubes with vertical downflow
[ESDU-90024] 07 p1003 N91-15505
Calculation methods for steadily loaded central circumferential groove hydrodynamic journal bearings
[ESDU-90027] 07 p1010 N91-15546
Force analysis of planar linkages
[ESDU-90022] 07 p1017 N91-15590
Inelastic bending moments, end loads, stresses, and strains for beam sections of general polygonal shape (computer program)
[ESDU-90026] 07 p1018 N91-15591
Struts: Strength under flexural, local, and inter-rivet buckling (computer program)
[ESDU-90002] 07 p1018 N91-15594
Response of structures to atmospheric turbulence. Computer program for response to across-wind components
[ESDU-90011] 07 p1019 N91-15595
Natural frequencies of isotropic and orthotropic rectangular plates under static in-plane loading (including shear loading)
[ESDU-90016] 07 p1019 N91-15596
Fatigue of aluminium alloy joints with various fastener systems. High load transfer
[ESDU-90018] 07 p1019 N91-15597
Airframe noise prediction
[ESDU-90023] 07 p1062 N91-15843
Computer program for the calculation of normal force and pitching moment of forebody-cylinder combinations at angles of attack up to 90 degrees and Mach numbers up to 5, including effects of conical boat-tailing
[ESDU-90034] 13 p2018 N91-21102
Structures of non-circular cross-section: Dynamic response due to vortex shedding
[ESDU-90036] 13 p2018 N91-21103
Lift and rolling moment due to spoilers on wings at subsonic speeds
[ESDU-90030] 13 p2023 N91-21129
Delamination and free edge stresses in laminated plates subjected to constant uniaxial strain (computer program)
[ESDU-90021] 13 p2046 N91-21253
Process integration: Process change and batch processes
[ESDU-90033] 13 p2068 N91-21390
Frictional and retarding forces on aircraft tyres. Part 5: Estimation of fluid drag forces
[ESDU-90035] 13 p2096 N91-21537
ESPACE STUDIO, TURIN (ITALY).
Test on parabolic flights for stowage in weightlessness 15 p2451 N91-23578
ESSEN UNIV. (GERMANY, F.R.).
Thermocapillary drop motion, 1 (MASER 1) ESA
23 p3827 N91-31345
Thermocapillary drop motion, 2 (MASER 2) ESA
23 p3827 N91-31346
Europe 1993: The single European market and R and D policy at Krupp 24 p4114 N91-32995
ESSEX CORP., ALEXANDRIA, VA.
Air traffic controller memory enhancement
[DOT/FAA/CT-TN90/38] 06 p0854 N91-14713
ESSEX CORP., HUNTSVILLE, AL.
The design and fabrication of the Centaur neutral buoyancy trainer and related hardware
[NASA-CR-171944] 01 p0014 N91-10085
The design and development of the Hubble space telescope neutral buoyancy trainer
[NASA-CR-184094] 09 p1286 N91-17068
ESSEX CORP., ORLANDO, FL.
Users manual for the Automated Performance Test System (APTS)
[NASA-CR-185631] 04 p0556 N91-13081
Position requirements for space station personnel and linkages to portable microcomputer performance assessment
[NASA-CR-185606] 06 p0855 N91-14719
ESSEX UNIV., COLCHESTER (ENGLAND).
The small system modelling of the polluted planetary boundary layer 03 p0439 N91-12453
Efficient connecting networks using directed links
[ETN-91-98855] 11 p1780 N91-19762
Numerical solution of a free-boundary viscous flow
20 p3346 N91-28529
EUREKA COLL., IL.
Noise in laser oscillator systems
04 p0594 N91-13316
EUROCONSULT B.V., ARNHEM (NETHERLANDS).
Forest classification with high resolution satellite images. Research into the use of spatial information to improve the multi-spectral classification with SPOT images
[BCRS-89-32] 02 p0227 N91-11269
EUROCONTROL AGENCY, BRUSSELS (BELGIUM).
Air traffic control aspects for the time beyond 1992
03 p0308 N91-11723
EUROPEAN ATOMIC ENERGY COMMUNITY, MADRID (SPAIN).
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH, GENEVA (SWITZERLAND).
Mind over matter: The intellectual content of experimental physics
[DE91-617571] 20 p3394 N91-28813
EUROPEAN ORGANIZATION FOR THE EXPLOITATION OF METEOROLOGICAL SATELLITES, DARMSTADT (GERMANY, F.R.).
Future meterological satellite programmes of EUMETSAT 07 p0948 N91-15199
The Meteosat operational programme
07 p0948 N91-15200
EUROPEAN ORGANIZATION FOR THE SAFETY OF AIR NAVIGATION, BRUSSELLS (BELGIUM).
Optimum on-line handling of air traffic over Western Europe 02 p0172 N91-10982
The EUROCONTROL future ATS system concept and the programme of studies, tests, and trials
02 p0172 N91-10983
Generation of aircraft trajectories for on-line operation: Methods, techniques, and tools
02 p0173 N91-10987
The high-resolution graphic display: A possible man/machine interface for a computer assisted ATC management system 02 p0173 N91-10989
The 4-D control of current air carriers in the present environment: Objectives, status, and plans
02 p0174 N91-10990
The control of inbound flights
02 p0174 N91-10992
Air traffic management and aircraft guidance in a zone of convergence 02 p0176 N91-10998
Ground-based 4-D guidance of flights in strong wind
02 p0176 N91-10999
The air traffic controller facing automation: Conflict or cooperation 02 p0176 N91-11001
Aircraft trajectory reconstitution on the basis of multi-radar plot information 02 p0176 N91-11002
Developments to enhance meteorological forecasting for air traffic services 02 p0177 N91-11006
Integration of aircraft capability in air traffic handling simulations 02 p0178 N91-11007

Integration of a realistic airline/aircrew/aircraft component in ATC simulations 07 p1046 N91-15738

EUROPEAN REGIONAL AIRLINES ORGANIZATION, CHOBHAM (ENGLAND).

Regional air traffic after 1992 03 p0306 N91-11708

EUROPEAN SOUTHERN OBSERVATORY, GARCHING (GERMANY, F.R.).

Activities report of the European Southern Observatory [ISSN-0531-4496] 01 p0137 N91-10809

Tidal distortions in pairs of early-type galaxies 08 p1247 N91-16869

Dynamical friction in pairs of elliptical galaxies 08 p1259 N91-16933

Improved Monte Carlo models for the early time spectrum of SN 1987A 09 p1443 N91-17954

PKS2152-69: A misdirected Blazar 09 p1444 N91-17960

Dearchiving IUE LBL images from optical disk 09 p1447 N91-17984

Millimeter observations of a complete sample of galaxies: Implications for gas mass and cold dust component 13 p2174 N91-21999

EUROPEAN SOUTHERN OBSERVATORY, LA SILLA (CHILE).

The Swedish-ESO Submillimeter Telescope (SEST) 13 p2175 N91-22008

EUROPEAN SPACE AGENCY, PARIS (FRANCE).

Space Plasma Physics Investigations by Cluster and Regatta [ESA-SP-306] 01 p0069 N91-10417

Contributions to the improvement of flight safety in wind shear [ESA-TT-1141] 02 p0166 N91-10965

Parallelization on a multi-processor system of a solving method for the unsteady Navier-Stokes equations at high Reynolds numbers [ESA-TT-1116] 02 p0214 N91-11197

Large eddy-simulation of convective boundary layers [ESA-TT-1138] 02 p0214 N91-11198

Numerical simulation of transition from laminar to turbulent duct flow [ESA-TT-1144] 02 p0214 N91-11199

Determinants of dual-task interference and resource theories in cognitive psychology [ESA-TT-1127] 02 p0248 N91-11381

Solution of the two-dimensional Euler equations by a finite volume discretization on unstructured triangular meshes [ESA-TT-1135] 02 p0263 N91-11473

Half-model tests on an ONERA calibration model in the transonic wind tunnel, Goettingen (Federal Republic of Germany) [ESA-TT-1195] 03 p0301 N91-11680

Testing of a GPS receiver [ESA-TT-1146] 03 p0311 N91-11742

Space Applications of Advanced Structural Materials [ESA-SP-303] 03 p0326 N91-11812

Doppler spectra from incoherent backscatter: Principles and examples of application for POLDIRAD [ESA-TT-1197] 03 p0357 N91-11994

On the range resolution of point targets with FMCW radar systems [ESA-TT-1206] 03 p0357 N91-11995

Development and test of power amplifiers for driving low-voltage piezo-actuators in multistable interferometers [ESA-TT-1196] 03 p0360 N91-12015

Solution of compressible time-dependent Navier-Stokes equations by Chebychev spectral methods [ESA-TT-1160] 03 p0365 N91-12046

Theoretical and experimental study of homogeneous rotating turbulence [ESA-TT-1170] 03 p0365 N91-12047

Equipment and methods employed for calibration of the sensors and measurement lines in the ATTAS flight test platform [ESA-TT-1208] 03 p0369 N91-12069

Report of the Deauville Conference on Education and Applications: A Planning Meeting for the International Space Year 1992 [ESA-SP-1130] 03 p0385 N91-12147

Backscatter lidar: The potential of a space-borne lidar for operational meteorology, climatology and environmental research. Report to the ATLID consultancy group [ESA-SP-1121] 03 p0392 N91-12182

Equations of motion of multibody systems in the ESA-MIDAS software [ESA-STR-232] 03 p0402 N91-12237

An application of tests of significance to point and confidence estimation and to test model verification for parameter identification [ESA-TT-1152] 03 p0413 N91-12311

Bulk acoustic wave resonators made of amorphous materials [ESA-TT-1201] 03 p0415 N91-12321

An old legend - new science - Ulysses: Some questions on Ulysses and its payload answered [ESA-BR-71] 03 p0439 N91-12455

ESA industrial policy date and tender process 04 p0491 N91-12729

Report of the Consultancy Group on rain radar [ESA-SP-1119] 04 p0548 N91-13042

Catalogue of ESA patents [ESA-SP-1131] 05 p0731 N91-14083

FIRST: Far Infrared and Submillimetre Space Telescope [ESA-BR-69] 05 p0733 N91-14095

Plasma Astrophysics [ESA-SP-311] 06 p0916 N91-15046

Some papers from the Seminar Mirando al Espacio [ESA-SP-309] 07 p0947 N91-15192

ESA's international activities 07 p0947 N91-15197

International Symposium on Environmental Testing for Space Programmes: Test Facilities and Methods [ESA-SP-304] 07 p0949 N91-15212

The multifrequency imaging microwave radiometer: Instrument panel report [ESA-SP-1138] 07 p1005 N91-15517

A proposed medium-term strategy for optical interferometry in space: Report to the ESA astronomy working group by the ESA Space Interferometry Study Team (SIST) [ESA-SP-1135] 07 p1068 N91-15873

Evolution in Astrophysics: IUE Astronomy in the Era of New Space Missions [ESA-SP-310] 09 p1428 N91-17861

The ultraviolet saga of SN 1987A 09 p1431 N91-17876

ESA's Horizon 2000 programme 09 p1431 N91-17882

CASSINI. Report on the Phase A study: Saturn Orbiter and Titan probe [NASA-TM-103374] 10 p1486 N91-18187

Manned space stations: Their construction, operation and potential applications [ESA-SP-1137] 10 p1488 N91-18201

The importance of manned space stations 10 p1489 N91-18202

The space environment: Characteristics and effects 10 p1489 N91-18203

Basic architecture of manned space stations 10 p1489 N91-18204

Space Station Freedom 10 p1489 N91-18205

Some comments on multilateral cooperation 10 p1489 N91-18206

Feasibility of in-orbit testing of inflatable antennas with celestial sources [ESA-STM-243] 10 p1514 N91-18333

Formation of stars and planets, and the evolution of the solar system [ESA-SP-315] 10 p1618 N91-18922

Key data on participating projects: The solar-terrestrial science project of the Inter-Agency Consultative Group for Space Science (IACG) [ESA-SP-1107] 10 p1625 N91-18963

Fourth European Symposium on Life Sciences Research in Space [ESA-SP-307] 11 p1741 N91-19572

Telemetry channel coding standard [ESA-PSS-04-103-ISSUE-1] 12 p1853 N91-20180

Ranging standard. Volume 1: Direct ground to spacecraft ranging [ESA-PSS-04-104-VOL-1-ISSUE-1] 12 p1853 N91-20181

Theoretical and experimental analysis of the effect of microstructural parameters of the properties of brittle-matrix composites [ESA-TT-1167] 12 p1863 N91-20238

Electrochemical treatments in an organic medium of carbon fibres with laminated substrate. Effects of these treatments on the mechanical properties of carbon-epoxy composites [ESA-TT-1193] 12 p1863 N91-20239

The influence of a multiple hot-wire probe geometry on the results of measurements in turbulent flows [ESA-TT-1182] 12 p1898 N91-20440

Generalised similarity solutions for three dimensional, laminar, steady compressible boundary layer flows on swept, profiled cylinders [ESA-TT-1190] 12 p1898 N91-20441

On the dynamics of the combustion process of hydrogen-air and hydrogen-methane-air mixtures [ESA-TT-1198] 13 p2048 N91-21268

L-band antenna array with integrated phase shifters [ESA-TT-1215] 13 p2071 N91-21405

Transition and turbulence [ESA-TT-1219] 13 p2081 N91-21465

Angle measurements with the laser gyro GG 1342 [ESA-TT-1212] 13 p2088 N91-21490

Structural analysis and optimization of a propfan blade by use of the finite element method [ESA-TT-1216] 13 p2101 N91-21566

In vitro photoreactivation of transforming DNA of Bacillus subtilis spores after irradiation by ultraviolet light [ESA-TT-1210] 13 p2126 N91-21699

Navigation Experiment NAVEX: Measurement and performance of the spaceborne clocks [ESA-TT-1209] 13 p2146 N91-21823

The indirect economic effects of the European Space Agency programs [ESA-BR-63] 13 p2170 N91-21975

From ground-based to space-borne sub-mm astronomy [ESA-SP-314] 13 p2172 N91-21986

Ground Data Systems for Spacecraft Control [ESA-SP-308] 14 p2208 N91-22189

Qualification of concentrating mirror systems with the Hermes measurement system and the Helios simulation program [ESA-TT-1213] 15 p2390 N91-23230

Gas evolution and bubble formation on electrodes [ESA-TT-1191] 15 p2398 N91-23278

Hardening mechanisms and analysis of the structure of the TGDDM/DDS epoxy resin system [ESA-TT-1202] 15 p2405 N91-23319

Analysis of the VHF-UHF electromagnetic radiation of lightning: Application to a model of the negative stepped leader propagation [ESA-TT-1172] 15 p2413 N91-23363

Numerical simulation of incompressible inhomogeneous turbulence in a plane channel flow [ESA-TT-1199] 15 p2427 N91-23441

Numerical simulation of transition in three dimensional boundary layers [ESA-TT-1203] 15 p2427 N91-23442

Threshold for fatigue crack propagation at simulated operating loads [ESA-TT-1187] 15 p2447 N91-23553

Space and Sea [ESA-SP-312] 15 p2448 N91-23563

The propagation of acoustic disturbances in the transonic flow fields of wings [ESA-TT-1126] 15 p2501 N91-23854

Flight experiment hardware for sounding rocket investigations: Materials science and fluid sciences [ESA-SP-1116-REV-1] 16 p2580 N91-24299

A contribution to the numerical simulation of transonic flow around a delta wing by solving the Navier-Stokes equations [ESA-TT-1225] 22 p3614 N91-30104

Wind tunnel investigations of the appearance of shocks in the windward region of bodies with circular cross section at angle of attack [ESA-TT-1226] 22 p3614 N91-30105

Study of an electrothermal de-icer: Numerical simulation and measurement of the skin temperature by infrared technique in an icing wind tunnel [ESA-TT-1231] 22 p3624 N91-30165

Structures and mechanical properties of near-beta titanium alloys Ti-10V-2Fe-3Al and Ti-10V-3Cu-3Al [ESA-TT-1200] 22 p3651 N91-30319

Utilization of higher frequencies for satellite communications: Determination of atmospheric influences by experiments and models [ESA-TT-1211] 22 p3664 N91-30396

Physical mechanisms and disturbances related to the attachment of an electric arc to a conductive cylinder [ESA-TT-1168] 22 p3669 N91-30431

Spectral multi-domain approximation of the Navier-Stokes equations in curved complex geometries [ESA-TT-1130] 22 p3678 N91-30479

On the technology for preparation of a HeNe discharge tube for use in a laser gyro [ESA-TT-1222] 22 p3680 N91-30493

Theoretical and experimental study of kinetics mechanisms in the Chemical Oxygen-Iodine Laser (COIL) [ESA-TT-1227] 22 p3683 N91-30507

Multispectral classification of overlapping classes with applications to forest damage areas [ESA-TT-1214] 22 p3698 N91-30590

The skin temperature of mountain slopes and the determination of the sensible heat flux [ESA-TT-1220] 22 p3698 N91-30591

Type specific dynamic measurements on wind-power plant at the Schnittlingen test site (Fed. Republic of Germany) [ESA-TT-1174] 22 p3699 N91-30598

Design of highly concentrating solar collectors and solar collector systems [ESA-TT-1224] 22 p3700 N91-30599

Benchmarking of compilers and processors for space embedded real-time systems
[ESA-STR-233] 22 p3723 N91-30722
Estimation and representation of multidimensional mappings
[ESA-TT-1223] 22 p3745 N91-30869
Transmission of sound inside an axisymmetric structure
[ESA-TT-1218] 22 p3751 N91-30908
Application of wavefront sensing techniques to restoring of images degraded by atmospheric turbulence
[ESA-TT-1194] 22 p3755 N91-30932
Catalogue of ESA publications in 1988
[ESA-SP-1088] 22 p3768 N91-31006
Catalogue of ESA publications in 1989
[ESA-SP-1089] 22 p3768 N91-31007
Symposium for Reimar Luest
[ESA-SP-325] 22 p3771 N91-31025
Summary review of sounding rocket experiments in fluid science and material sciences: TEXUS 1 to 20; MASER 1 and 2
[ESA-SP-1132] 23 p3822 N91-31321
Rosetta/CNSR: A comet-nucleus sample-return mission and system definition document
[ESA-SP-1125] 24 p3964 N91-32152
ESA Electronic Components Conference
[ESA-SP-313] 24 p3990 N91-32291
ESA software engineering standards, issue 2
[ESA-PSS-05-0-ISSUE-2] 24 p4083 N91-32811
Indirect imaging through the atmosphere
[ESA-TT-1115] 24 p4121 N91-33034

EUROPEAN SPACE AGENCY. CENTRE SPATIAL DE TOULOUSE (FRANCE).
The Hermes system verification program
07 p0950 N91-15218

EUROPEAN SPACE AGENCY. ESA TRACKING STATION, MADRID (SPAIN).
The ultraviolet variations of 78Vir
09 p1434 N91-17901
UV orbital variability in the intermediate polar H2215-086 09 p1440 N91-17938
Mapping the BLR: Line variability in Fairall-9
09 p1445 N91-17972

EUROPEAN SPACE AGENCY. ESRIN, FRASCATI (ITALY).
MOS-1 04 p0541 N91-12998
Online information retrieval 07 p0948 N91-15198
The ERS-1 and the Polar Platform: Present and future of the observation of the Earth and the European Space Agency 07 p0948 N91-15201

EUROPEAN SPACE AGENCY. EUROPEAN SPACE OPERATIONS CENTER, DARMSTADT (GERMANY, F.R.).
The SCOS: A configurable infrastructure for the control of spacecraft using packets 14 p2208 N91-22194
Evolution of the IOI operations concept and of the related communications architecture between control facilities
14 p2210 N91-22209
Keynote to the session on communications, network, and station control 14 p2211 N91-22212
Ground systems for handling packet telemetry and commands: A case study, the Eureca mission
14 p2214 N91-22235
The European Space Agency standard for space packet management 14 p2215 N91-22237
User requirements determination and their implementation for ground data systems for spacecraft control: Keynote address 14 p2218 N91-22259
Determination of spacecraft control system user requirements and effects on development methodologies 14 p2218 N91-22262
Management strategies for the implementation of spacecraft control systems 14 p2218 N91-22263
The ESOC Spacecraft Performance Evaluation System (SPES) 14 p2223 N91-22290

EUROPEAN SPACE AGENCY. EUROPEAN SPACE RESEARCH AND TECHNOLOGY CENTER, ESTEC, NOORDWIJK (NETHERLANDS).
Features of mid-tail ion trajectories during substorms
01 p0072 N91-10435
Shielding against orbital debris: A challenging problem
03 p0332 N91-11861
OPEX propagation measurements and studies
03 p0350 N91-11957
Radio frequency and modulation standard
[ESA-PSS-04-105-ISSUE-1] 03 p0356 N91-11993
Design, development, and verification of the EURECA A Orbit Transfer Assembly (OTA)
[MBB-UO-0102-90-PUB] 04 p0493 N91-12743
ECOS user's manual and menu navigator: ITT-handling, data entry and tender integration
[ESA-PSS-06-101-ISSUE-1] 04 p0560 N91-13107
ESATAN: User manual
[ESA-PSS-03-105-ISSUE-1] 05 p0700 N91-13897
Experimental evidence for amorphous carbon grains in comets 06 p0907 N91-15008
Solar magnetic flux-tubes and coronal loops
06 p0916 N91-15047
Some aspects of European microgravity utilisation
07 p0948 N91-15206
Safety analysis applied to test/verification of ESA space systems 07 p0951 N91-15222
Product assurance requirements for environmental test facilities 07 p0951 N91-15223
Ionospheric plasma simulation in a large space simulator 07 p0953 N91-15236
Some considerations of current and future launcher acoustic environments: Implications in terms of design and test requirements 07 p0955 N91-15251
Transient vibration testing of satellites
07 p0955 N91-15252
High accuracy photogrammetric system for the large space simulator at ESTEC 07 p0958 N91-15270
The ESA Test Data Analysis System (TDAS)
07 p0959 N91-15278
Programmable logic controller applied for test facility control at ESTEC 07 p0960 N91-15282
Computerised emission and susceptibility MIL.STD testing with automated NB/BB detection
07 p0960 N91-15283
Radiating payload testing in the large compact payload test range at ESTEC 07 p0960 N91-15287
Space environment analysis tools
07 p0961 N91-15291
Data for selection of space materials
[ESA-PSS-01-701-ISSUE-1-REV-2]
07 p0971 N91-15330
The Infrared Space Observatory (ISO)
10 p1618 N91-18923
FIRST: Far infrared and submillimetre space telescope
10 p1619 N91-18925
Rosetta: The Comet Nucleus Sample Return mission (CNSR) 10 p1619 N91-18926
Circumstellar magnetic activity, flares and mass ejections in young stars 10 p1619 N91-18930
Proposal for a conceptually new compact collecting optics for powerful light sources
11 p1662 N91-19155
Life sciences in ESA TRP activity
11 p1744 N91-19589
Gravity effects on cells 11 p1749 N91-19618
Towards bioregenerative life support systems
11 p1755 N91-19655
Containerless processing in the European microgravity programme 13 p2059 N91-21337
FIRST: Far Infrared and Submillimeter Space Telescope 13 p2172 N91-21990
First detection of C3H2 at sub-mm wavelengths
13 p2177 N91-22022
Influence on spacecraft control systems of evolving O/B technology and standards 14 p2214 N91-22234
Checklist for thick-film hybrid microcircuits manufacturer and line survey
[ESA-PSS-01-607-ISSUE-1] 15 p2419 N91-23396
Checklist for thin-film hybrid microcircuits manufacturer and line survey
[ESA-PSS-01-611-ISSUE-1] 15 p2419 N91-23397
EVA servicing: The Hermes capability
15 p2450 N91-23575
How to design efficient MMI for space
15 p2452 N91-23586
Signal detection of MERIS in oceanographic applications 15 p2455 N91-23605
Preliminary investigations into UHCRE thermal control materials 16 p2716 N91-25033
The control of limited-life materials
[ESA-PSS-01-722-ISSUE-2] 22 p3630 N91-30198
Packet telecommand standard
[ESA-PSS-04-107-ISSUE-1] 22 p3664 N91-30402
High-reliability soldering for surface-mount and mixed-technology printed-circuit boards
[ESA-PSS-01-738-ISSUE-1] 22 p3690 N91-30547
The EXOSAT database system: BROWSE version 3.0 user's guide
[ESA-TM-11] 22 p3768 N91-31009
The EXOSAT database system: On-line user's guide
[ESA-TM-12] 22 p3768 N91-31010
The EXOSAT database system: Available databases
[ESA-TM-13] 22 p3768 N91-31011
Guidelines for carbon and other advanced fibre prepreg procurement specifications
[ESA-PSS-03-207-ISSUE-1] 24 p3970 N91-32176
Adhesive bonding handbook for advanced structural materials
[ESA-PSS-03-210-ISSUE-1] 24 p3980 N91-32234
GaAs/Ge solar cell for space applications
24 p3990 N91-32293
Spacecraft power system concerns regarding failure modes within complex integrated circuits and hybrid packages 24 p3993 N91-32308
Test on opto couplers in the linear application considering temperature, radiation and Vce effects
24 p3993 N91-32314
Test structures and measurement techniques for radiation hardening 24 p3996 N91-32332
The pre-screening of large semiconductor memories for space application 24 p4000 N91-32357
Radiation assessment of the INMOS transputer family
24 p4000 N91-32358
ESA's component programme plan
24 p4002 N91-32373
Capability approval programme for Microwave Hybrid Integrated Circuits (MHICS)
[ESA-PSS-01-612-ISSUE-1] 24 p4010 N91-32420
The crimping of high-reliability electrical connections
[ESA-PSS-01-726-ISSUE-2] 24 p4010 N91-32421
The repair and modification of printed-circuit board assemblies for space use
[ESA-PSS-01-728-ISSUE-2] 24 p4010 N91-32422
The physics and instrumentation of passive atmospheric sounding: A review of the methods of remote sensing of temperature and moisture in the Earth's lower atmosphere
[ESA-STR-231] 24 p4044 N91-32597

EUROPEAN SPACE RESEARCH ORGANIZATION, NOORDWIKJ (NETHERLANDS).
Capability approval programme for hermetic thin-film hybrid microcircuits
[ESA-PSS-01-605-ISSUE-1] 22 p3671 N91-30440

EUTELSAT, PARIS (FRANCE).
Satellite/control centre interface organisation in the Eutelsat 2 satellite control system
14 p2211 N91-22213

EXECUTIVE OFFICE OF THE PRESIDENT, WASHINGTON, DC.
Publications of the Executive Office of the President, January 20, 1989 - September 30, 1990
[PB90-237652] 09 p1421 N91-17819
Publications of the Executive Office of the President, January 20, 1981 - January 20, 1989
[PB90-199563] 09 p1422 N91-17826
Publications of the Executive Office of the President, January 20, 1989 - June 30, 1990
[PB90-215641] 09 p1422 N91-17827
Aeronautics and space report of the President
10 p1635 N91-19022
America at the threshold 15 p2385 N91-23201
Aeronautics and space report of the President
15 p2542 N91-24085
Our changing planet: The FY 1992 US global change research program. A supplement to the US President's fiscal year 1992 budget 16 p2655 N91-24690
Publications of the Executive Office of the President, January 20, 1989 to December 31, 1990
[PB91-127423] 18 p3076 N91-26998
Publications of the Executive Office of the President, January 20, 1989 - March 31, 1991
[PB91-156828] 21 p3604 N91-30056

EXECUTIVE RESOURCE ASSOCIATES, INC., ARLINGTON, VA.
General aviation pilot and aircraft activity survey
[AD-A236497] 22 p3609 N91-30075

EXETER UNIV. (ENGLAND).
The use of conformal mapping for the numerical solution of some fluid flow problems 09 p1333 N91-17323
Hydroelastic instability of flexible surfaces, volumes 1 and 2 09 p1336 N91-17335
Goertler vortex instabilities of incompressible and compressible boundary layers 16 p2623 N91-24523

EXTREL CORP., PITTSBURGH, PA.
Construction of flowing afterglow apparatus
[AD-A231062] 13 p2151 N91-21855

F

FABRICA ITALIANA APPARECCHIATURE RADIOELETTRICHE S.P.A., MILAN.
The shell concept to ease the development of knowledge-based systems for spacecraft control
14 p2216 N91-22246
ESSOPE: Expert system for spacecraft operations planning and execution 14 p2218 N91-22258
Evaluation of the optimal homing point for missile guidance 17 p2733 N91-25135

FACTORY MUTUAL RESEARCH CORP., NORWOOD, MA.
Flammability characteristics of fiber reinforced composite materials
[AD-A228215] 08 p1106 N91-16072

FAIL-SAFE TECHNOLOGY CORP., LOS ANGELES, CA.
Integration of sneak analysis with design, volume 1
[AD-A226902] 06 p0822 N91-14543

FAILURE ANALYSIS ASSOCIATES, INC., REDMOND, WA.
Nonequilibrium phase chemistry in high temperature structure alloys
[NASA-CR-4353] 12 p1868 N91-20265
FAILURE ANALYSIS ASSOCIATES, INC., WESTBOROUGH, MA.
Failure analysis techniques for the evaluation of electrical and electronic components in aircraft accident investigations
[AD-A226381] 04 p0474 N91-12647
FAIRBANKS-NORTH STAR BOROUGH, AK.
Geohydrology and ground-water geochemistry at a sub-Arctic landfill, Fairbanks, Alaska
[PB91-140590] 17 p2810 N91-25531
FAIRCHILD SPACE CO., GERMANTOWN, MD.
A technique for optimal temperature estimation for modeling sunrise/sunset thermal snap disturbance torque 09 p1292 N91-17098
FAIRCHILD TECHNICAL SUPPORT CENTER, HUNTSVILLE, AL.
Automated Fluid Interface System (AFIS)
[NASA-CR-183969] 02 p0184 N91-11031
FDO TECHNISCHE ADVISEURS B.V. (NETHERLANDS).
Results of post firing examinations of igniter nozzles of the Vulcain engine 03 p0332 N91-11854
FEDERAL ARMED FORCES UNIV., MUNICH (GERMANY, F.R.)
Characteristics of return stroke electric fields produced by lightning flashes at distances of 1 to 15 kilometers 24 p4048 N91-32615
Simulation and measurement of melting effects on metal sheets caused by direct lightning strikes 24 p4053 N91-32644
FEDERAL AVIATION ADMINISTRATION, ATLANTA, GA.
Designs for surge immunity in critical electronic facilities 24 p4052 N91-32635
FEDERAL AVIATION ADMINISTRATION, ATLANTIC CITY, NJ.
Tests of the general fire suppression concentrate Pyrocap B-136
[DOT/FAA/CT-TN90/21] 01 p0005 N91-10029
Operational evaluation of initial data link air traffic control services. Volume 2: Appendices
[DOT/FAA/CT-90/1-VOL-2] 01 p0006 N91-10033
Differential Global Positioning System (DGPS) test plan
[DOT/FAA/CT-TN90/15] 01 p0006 N91-10034
Structural tests of aircraft window assembly equipped with smoke evacuation valve
[DOT/FAA/CT-TN89/44] 01 p0009 N91-10051
Airplane systems modifications for improved cabin smoke evacuation
[DOT/FAA/CT-TN90/24] 01 p0009 N91-10052
FAA air traffic operational evaluation of Automated Surface Observing System (ASOS)
[DOT/FAA/CT-TN90/42] 01 p0014 N91-10084
Generation of a buoyant plume of artificial smoke for airplane tests
[DOT/FAA/CT-90/9] 02 p0179 N91-11015
Proceedings of the 1990 AIAA/FAA Joint Symposium on General Aviation Systems
[DOT/FAA/CT-90/11] 04 p0458 N91-12563
Flight testing with etanol in turboprop engines 04 p0459 N91-12566
The FAA technical center's avionics data link initiative 04 p0461 N91-12576
General aviation and TCAS 04 p0461 N91-12577
Connectivity alternatives for remote users of the Maintenance Processor Subsystem (MPS)
[DOT/FAA/CT-90/16] 05 p0700 N91-13900
Smoke and extinguisher agent dissipation in a small pressurized fuselage
[DOT/FAA/CT-89/31] 06 p0778 N91-14317
Using simulation to evaluate the safety of proposed ATC operations and procedures
[DOT/FAA/CT-TN90/22] 06 p0779 N91-14318
DATAS hardware diagnostic tests
[DOT/FAA/CT-TN90/44] 06 p0857 N91-14728
Effects of runway anti-icing chemicals on traction
[DOT/FAA/CT-TN90/53] 07 p0946 N91-15189
Antenna radome sample test report
[DOT/FAA/CT-TN90/50] 07 p0996 N91-15470
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) plan
[DOT/FAA/CT-TN90/9] 07 p1030 N91-15651
Flight evaluation of several ground deicing/anti-icing fluids on general aviation aircraft
[DOT/FAA/CT-TN90/31] 09 p1274 N91-17005
Investigation of accidental DC-7 fire damage occurring June 28, 1989
[DOT/FAA/CT-TN89/55] 09 p1275 N91-17008
Microwave Landing System (MLS) back azimuth operational issues flight tests
[AD-A228659] 09 p1275 N91-17011
NAS (HOST/ARTS 3A) to VME Modern interface ATC interface. Hardware manual
[DOT/FAA/CT-TN90/46] 09 p1383 N91-17609
Differential GPS terminal area test results
[DOT/FAA/CT-TN90/48] 10 p1469 N91-18100
Chicago O'Hare simultaneous ILS approach data collection and analysis
[DOT/FAA/CT-TN90/11] 10 p1469 N91-18101
Evaluation of magnetic fuel treatment for aircraft fuel systems
[DOT/FAA/CT-TN90/54] 10 p1470 N91-18106
Report of study on airlines' anticipated near future cockpit control and display capabilities and plans for data link communication
[DOT/FAA/CT-TN91/7] 10 p1472 N91-18109
Statistics on aircraft gas turbine engine rotor failures that occurred in US commercial aviation during 1987
[DOT/FAA/CT-90/19] 10 p1472 N91-18112
Controller evaluation of initial data link terminal air traffic control services
[DOT/FAA/CT-90/29] 10 p1515 N91-18340
Development and growth of inaccessible aircraft fires under inflight airflow conditions
[DOT/FAA/CT-91/2] 12 p1831 N91-20064
Data link test and analysis system/TCAS monitor user's guide
[DOT/FAA/CT-TN90/62] 12 p1880 N91-20337
Real-time Weather Processor (RWP) Prototype Test and Evaluation (PT and E) evaluation report
[DOT/FAA/CT-TN90/51] 12 p1924 N91-20587
Model rocketry hazard study
[DOT/FAA/CT-TN90/28] 13 p2043 N91-21238
Comparison of 14 decibels versus 20 decibels desired to undesired signal protection ratios
[DOT/FAA/CT-TN89/69] 13 p2148 N91-21833
Flight Service Automation System (FSAS) Model 1 Full Capacity (M1FC) Operational Test and Evaluation (OT/E)/integration test report
[DOT/FAA/CT-TN90/45] 14 p2191 N91-22100
Air traffic control memory: A field survey
[DOT/FAA/CT-TN90/60] 14 p2191 N91-22101
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test plan
[DOT/FAA/CT-TN90/41] 15 p2363 N91-23075
Differential GPS terminal area test results
[AD-A232668] 15 p2369 N91-23106
An investigation into the use of side-arm control for civil rotorcraft applications 15 p2372 N91-23123
Determination of decision-height windows for decelerating IMC approaches in helicopters 15 p2372 N91-23124
MLS mathematical model validation study using airborne MLS data from Atlantic City International Airport Boeing 727 elevation shadowing flight tests
[DOT-FAA/CT-TN90/55] 16 p2558 N91-24190
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test procedures
[DOT/FAA/CT-TN90/63] 17 p2727 N91-25100
NAS operational test and evaluation/integration of the Maintenance Management System (MMS) test report
[DOT/FAA/CT-TN90/27] 17 p2727 N91-25101
Airport capacity and delay analyses
[DOT/FAA/CT-TN91/18] 17 p2737 N91-25152
Demonstration Precision Runway Monitor (PRM) proof of performance test results
[DOT/FAA/CT-TN91/3] 17 p2737 N91-25153
NAS Operational Test and Evaluation (OT/E)/integration of the interim monitor and control software (IMCS) test procedures
[DOT/FAA/CT-TN90/43] 17 p2829 N91-25628
New York area control facility/metroplex control facility vulnerability analysis
[DOT/FAA/CT-TN91/21] 19 p3103 N91-27146
Evaluation of external filters in reducing type B1 and B2 FM broadcast interference to VHF communications avionics receivers
[DOT/FAA/CT-TN91/16] 19 p3146 N91-27389
Glossary of optical communication terms
[DOT/FAA/CT-TN91/9] 19 p3149 N91-27403
Controller evaluation of initial data link en route air traffic control services: Mini study 3
[DOT/FAA/CT-91/11] 19 p3149 N91-27404
Runway Visual Range (RVR) Operational Test and Evaluation (OT and E)/integration test plan
[DOT/FAA/CT-TN91/4] 20 p3287 N91-28176
Effectiveness of water spray within the cabin overhead area
[DOT/FAA/CT-TN91/29] 22 p3615 N91-30113
Air traffic operational evaluation plan for the limited production Automated Surface Observing System (ASOS)
[DOT/FAA/CT-TN91/13] 22 p3616 N91-30116
Evaluation of desired to undesired signal protection ratios of 14 dB versus 20 dB with frequency offset
[DOT/FAA/CT-TN91/15] 22 p3662 N91-30384
Solid-State Radar Beacon Decoder (SSRBD) Master Test Plan (MTP)
[DOT/FAA/CT-TN91/33] 23 p3855 N91-31494
Aeronautical Mobile Satellite Service (AMSS) test plan
[DOT/FAA/CT-TN91/20] 23 p3855 N91-31495
Results of MLS/ILS comparison flight test at the Yuma MCAS, Arizona
[DOT/FAA/CT-TN91/10] 24 p3954 N91-32092
The First Annual International Satellite Surveillance and Communication Symposium
[DOT/FAA/RD-91/21] 24 p3954 N91-32093
Automatic dependent surveillance Pacific engineering trials 24 p3955 N91-32099
Operational oceanic air traffic control using satellite data link: Initial implementation 24 p3958 N91-32121
Satellite data link validation test plan
[DOT/FAA/CT-TN91/6] 24 p3988 N91-32282
Data Multiplexing Network (DMN), phase 3: Equipment Operational Test and Evaluation (OT&E)/Integration test plan
[DOT/FAA/CT-TN91/24] 24 p3988 N91-32283
FEDERAL AVIATION ADMINISTRATION, CAMBRIDGE, MA.
Aircraft wake vortices: An assessment of the current situation
[AD-A231658] 15 p2364 N91-23079
Unified methodology for airport pavement analysis and design. Volume 1: State of the art
[DOT/FAA/RD-91/15-VOL-1] 17 p2737 N91-25154
FEDERAL AVIATION ADMINISTRATION, LONG BEACH, CA.
Seat dynamic performance standards for a range of sizes
[DOT/FAA/CT-TN90/23] 01 p0005 N91-10028
Repairs to damage tolerant aircraft
[AD-A225742] 04 p0478 N91-12668
FEDERAL AVIATION ADMINISTRATION, SEATTLE, WA.
Certification procedures and requirements 18 p2928 N91-26154
FEDERAL AVIATION ADMINISTRATION, WASHINGTON, DC.
National airspace system: In-flight assistance operational concept
[PB90-233115] 01 p0006 N91-10032
National plan to enhance aviation safety through human factors improvements 02 p0162 N91-10940
Location of commercial aircraft accidents/incidents relative to runways
[AD-A225225] 03 p0310 N91-11738
Terminal area forecasts: FY 1990-2005
[AD-A225227] 03 p0311 N91-11743
FAA air traffic activity: Fiscal year 1989
[AD-A226063] 04 p0476 N91-12655
Guide to Federal Aviation Administration publications, 12th edition
[PB90-247297] 04 p0605 N91-13365
Literature review on geotextiles to improve pavements for general aviation airports
[DOT/FAA/RD-90/26] 05 p0625 N91-13464
Laboratory investigation of the use of geotextiles to mitigate frost heave
[DOT/FAA/RD-90/13] 05 p0625 N91-13465
The use of contact lenses in the civil airman population
[AD-A227450] 08 p1190 N91-16544
Study of the relationships between Near Midair Collisions (NMAC's), Midair Collisions (MAC's) and some potential causal factors
[PB90-268491] 09 p1275 N91-17007
Capital investment plan 12 p1832 N91-20067
Automatic barometric updates from ground-based navigational aids
[AD-A230508] 12 p1832 N91-20069
Inhalation toxicology 10 times to incapacitation for rats exposed continuously to carbon monoxide, acrolein, and to carbon monoxide-acrolein mixtures
[AD-A230639] 12 p1928 N91-20607
The FAA altitude chamber training flight profile: A survey of altitude reactions, 1965-1989
[AD-A230057] 12 p1928 N91-20611
Selection of air traffic controllers for automated systems: Applications from current research
[AD-A230058] 12 p1930 N91-20621
A guide to ground vehicle operations on the airport
[AD-A231077] 13 p2029 N91-21158
Inhalation toxicology. 11: The effect of elevated temperature on carbon monoxide toxicity
[AD-A231185] 13 p2127 N91-21708
National plan for aviation human factors, volume 1
[PB91-100339] 13 p2128 N91-21712
National plan for aviation human factors, volume 2
[PB91-100347] 13 p2128 N91-21713
FAA aviation forecasts: Fiscal years 1991-2002
[AD-A231721] 14 p2185 N91-22068

Flight test to determine feasibility of a proposed airborne wake vortex detection concept
[NASA-TM-102672] 14 p2190 N91-22096
Precision runway monitor demonstration report
[AD-A232671] 15 p2385 N91-23198
Individual differences underlying pilot cockpit error
[DOT/FAA/RD-91/13] 15 p2476 N91-23710
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10060-PT-2] 16 p2551 N91-24140
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10060-PT-1] 16 p2555 N91-24166
Aviation system capital investment plan
[PB91-150268] 16 p2558 N91-24189
Utilization of emergency medical kits by air carriers
[AD-A234784] 18 p3029 N91-26721
Obstruction marking and lighting
[AC-70/7460-1H] 19 p3103 N91-27142
Federal aviation regulations. Part 1: Definitions and abbreviations, change 14
[PB91-176644] 19 p3263 N91-28049
Donning times and flotation characteristics of infant life preservers: Four representative types
[AD-A237120] 21 p3453 N91-29153
Rotorcraft master plan
[AD-A239444] 24 p3950 N91-32081
Satellite Communications (SATCOM)
24 p3954 N91-32095
International Civil Aviation Organization (ICAO) Automatic Dependent Surveillance Panel (ADSP) activities 24 p3955 N91-32097
International program summary
24 p3955 N91-32098
Near-term satellite-based oceanic air traffic control: Ground system description 24 p3958 N91-32116
US oceanic air traffic control: Past, present, and future
24 p3958 N91-32118
Flight operations and air traffic management integration 24 p3958 N91-32122

FEDERAL COORDINATING COUNCIL FOR SCIENCE, ENGINEERING AND TECHNOLOGY, WASHINGTON, DC.
Our changing planet: The FY 1991 research plan of the US global change research program
[PB91-145813] 16 p2654 N91-24687

FEDERAL GEODETIC CONTROL COMMITTEE, ROCKVILLE, MD.
Test and demonstration of GPS satellite survey systems
[NASA-CR-187685] 09 p1296 N91-17116
Test and demonstration of three dual-frequency (L1/L2) GPS satellite survey systems
[NASA-CR-187727] 09 p1297 N91-17117

FEDERAL INFORMATION EXCHANGE, INC., GERMANTOWN, MD.
Design, develop, test, and implement an on-line research and education information service
[DE90-017654] 02 p0285 N91-11604

FEDERAL LAB. CONSORTIUM, WASHINGTON, DC.
Putting technology to work, 1990. Examples of industry-laboratory cooperation contributing to our nation's economic strength
[PB90-215187] 01 p0136 N91-10805

FEDERAL LIBRARY AND INFORMATION CENTER COMMITTEE, WASHINGTON, DC.
Proceedings of the Federal Pre-White House Conference on Library and Information Services
[PB91-183558] 22 p3767 N91-30999

FEDERAL RAILROAD ADMINISTRATION, WASHINGTON, DC.
Industry perspective on Maglev
[PB90-252305] 02 p0202 N91-11132
Moving America; new directions, new opportunities: Assessment of the potential for magnetic levitation transportation systems in the United States
[PB91-104596] 08 p1160 N91-16388
Moving America: New directions, new opportunities. Assessment of the potential for magnetic levitation transportation systems in the United States. A report to Congress
[PB91-104588] 09 p1345 N91-17390

FERMI NATIONAL ACCELERATOR LAB., BATAVIA, IL.
Dijet spectroscopy at high luminosity
[DE90-016901] 01 p0025 N91-10147
SSC dipole magnet measurement and alignment using laser technology
[DE90-014881] 01 p0047 N91-10281
False-vacuum decay in generalized extended inflation
[NASA-CR-186419] 01 p0117 N91-10695
An investigation of thermally driven acoustical oscillations in helium systems
[DE90-018049] 02 p0194 N91-11086
Numerical modeling of time domain 3-D problems in accelerator physics
[DE90-015625] 02 p0269 N91-11511
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
Axions and SN 1987A: Axion trapping
[NASA-CR-186467] 05 p0713 N91-13976
Superconducting current transducer
[DE91-004674] 06 p0824 N91-14554
Dark matter in the universe
[DE91-004584] 07 p1083 N91-15958
Self-propelled in-tube shuttle and control system for automated measurements of magnetic field alignment
[DE90-008210] 08 p1147 N91-16316
Chern-Simons and anyonic superconductivity
[DE90-010663] 08 p1231 N91-16787
The best-fit universe
[DE91-004583] 08 p1265 N91-16966
Experimentally testing the standard cosmological model
[NASA-CR-187970] 09 p1428 N91-17860
A simplified, improved method for making amplifier equivalent noise charge measurements using a new generation digitizing oscilloscope
[DE91-006821] 10 p1519 N91-18361
Measurement of time dependent fields in high gradient superconducting quadrupoles for the Tevatron
[DE91-004975] 10 p1594 N91-18794
Late-time cosmological phase transitions
[NASA-CR-188001] 10 p1617 N91-18918
Stochastic inflation lattice simulations: Ultra-large scale structure of the universe
[DE91-006385] 10 p1618 N91-18919
Modeling a ferrite-tuned RF cavity
[DE91-008235] 11 p1699 N91-19356
Longitudinal periodicity in superconducting dipole magnets
[DE91-008421] 11 p1790 N91-19821
Table of tables: A database design tool for SYBASE
[DE91-007257] 11 p1813 N91-19958
Can non-Gaussian fluctuations for structure formation arise from inflation
[DE91-009458] 13 p2117 N91-21655
Review of negative hydrogen ion sources
[DE91-009461] 13 p2150 N91-21848
Diffusive transport enhancement by isolated resonances and distribution tails growth in hadronic beams
[DE91-006379] 13 p2152 N91-21864
Indirect detection of heavy supersymmetric dark matter
[DE91-009669] 13 p2181 N91-22055
Hard amplitudes in gauge theories
[DE91-009769] 14 p2258 N91-22491
Astrophysics and cosmology confront the 17 keV neutrino
[NASA-CR-188169] 14 p2347 N91-22981
Dark matter in the universe
[NASA-CR-188170] 14 p2347 N91-22982
Ultrahigh-energy particles from cosmic strings
[DE91-009670] 14 p2354 N91-23019
A proposed search for dark-matter axions in the 0.6-16 micro-eV range
[NASA-CR-188173] 15 p2529 N91-24015
A cosmic superfluid phase
[NASA-CR-188171] 15 p2529 N91-24016
Dirac neutrinos and SN 1987A
[NASA-CR-188448] 16 p2684 N91-24865
Energetic neutrinos from heavy-neutralino annihilation in the Sun
[NASA-CR-188447] 16 p2684 N91-24866
Light domain walls, massive neutrinos and the large scale structure of the Universe
[NASA-CR-188446] 16 p2685 N91-24867
Multi-dimensional tunnelling and complex momentum
[NASA-CR-188445] 16 p2685 N91-24868
Tunnelling from non-localised initial states
[NASA-CR-188444] 16 p2685 N91-24869
Investigating decoherence in a simple system
[NASA-CR-188450] 16 p2697 N91-24933
Plausible double inflation
[NASA-CR-188449] 16 p2697 N91-24934
UNIX (tm) in high energy physics: What we can learn from the initial experiences at Fermilab
[DE91-011976] 18 p3062 N91-26914
Providing a computing environment for a high energy physics workshop
[DE91-012049] 18 p3062 N91-26916
Integrating UNIX workstation into existing online data acquisition systems for Fermilab experiments
[DE91-011974] 18 p3082 N91-27044
A 10,000 A 1000 Vdc solid state dump switch
[DE91-014141] 20 p3340 N91-28497
Design and analysis of the 50 mm collider dipole vacuum vessel
[DE91-012490] 20 p3360 N91-28610
Statistical mechanics of soft-boson phase transitions
[NASA-CR-188697] 20 p3402 N91-28858
Microwave instability at transition: Stability diagram approach
[DE91-013202] 20 p3404 N91-28867
Aspects of reheating in first-order inflation
[NASA-CR-188705] 20 p3443 N91-29108
Dibaryons in neutron stars
[NASA-CR-188704] 20 p3443 N91-29109
Testing the Big Bang: Light elements, neutrinos, dark matter and large-scale structure
[NASA-CR-188701] 20 p3444 N91-29111
Phase transitions triggered by quantum fluctuations in the inflationary universe
[NASA-CR-188698] 20 p3444 N91-29112
Void probability as a function of the void's shape and scale-invariant models
[NASA-CR-188696] 20 p3444 N91-29113
Conformal FDTD modeling wake fields
[DE91-015129] 21 p3498 N91-29407
Visualization of wake fields
[DE91-015130] 21 p3498 N91-29408
A note on the automated differentiation of implicit functions
[DE91-015104] 21 p3565 N91-29816
Dark matter in the universe
[DE91-014863] 21 p3606 N91-30065
Limits to the radiative decay of the axion
[NASA-CR-188702] 22 p3752 N91-30916
Perturbations from cosmic strings in cold dark matter
[NASA-CR-188700] 22 p3773 N91-31043
Solar neutrinos and the MSW effect for three-neutrino mixing
[NASA-CR-188706] 22 p3776 N91-31060
Non-Gaussian microwave background fluctuations from nonlinear gravitational effects
[NASA-CR-188699] 22 p3777 N91-31067
An approximate HSPICE model for orbit low noise analog bipolar NPN transistors
[DE91-017220] 24 p4009 N91-32414
Future prospects for networking in the United States
[DE91-017359] 24 p4090 N91-32849
Design of the Digital Sky Survey DA and online system: A case history in the use of computer aided tools for data acquisition system design
[DE91-016469] 24 p4121 N91-33032
Testing the big bang: Light elements, neutrinos, dark matter, and large-scale structure
[DE91-017379] 24 p4122 N91-33040

FERRANTI DEFENCE SYSTEMS LTD., EDINBURGH (SCOTLAND).
Pilot monitoring of display enhancements generated from a digital data base 04 p0482 N91-12685

FIAT AVIAZIONE S.P.A., TURIN (ITALY).
Airbreathing propulsion for transatmospheric flight
15 p2377 N91-23156

FICHTEL UND SACHS, SCHWEINFURT (GERMANY, F.R.).
Investigation of actions to reduce noise emissions in ultralight aircrafts
[UBA-FB-105-05-303] 04 p0579 N91-13224

FIELDER (JUDITH), RESTON, VA.
A hydroponic design for microgravity and gravity installations 14 p2204 N91-22173

FINITE ELEMENT FACTORY, SUNNYVALE, CA.
The MHOST finite element program: 3-D inelastic analysis methods for hot section components. Volume 1: Theoretical manual
[NASA-CR-182205] 16 p2644 N91-24636

FINNISH ACADEMY OF TECHNICAL SCIENCES, HELSINKI.
Software integration technologies in industrial applications
[MA-55] 01 p0108 N91-10627

FISK UNIV., NASHVILLE, TN.
US and foreign alloy cross-reference database
[NASA-CR-184166] 18 p2956 N91-26313
Purification, growth, and characterization of Zn(x)Cd(1-x)Se crystals 19 p3270 N91-28089

FITZSIMONS (T. K.), BERGERAC (FRANCE).
A review of the NATO EMC analysis programme and related European community developments
19 p3148 N91-27396

FIVE-COLLEGE ASTRONOMY DEPT., AMHERST, MA.
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
The ratio of molecular to atomic gas in spiral galaxies as a function of morphological type
05 p0737 N91-14119
A comparison of the radial distribution of molecular gas and non-thermal radio continuum in spiral disks
05 p0743 N91-14145
Global and radial variations in the efficiency of massive star formation among galaxies 05 p0758 N91-14215
Dust emission in the Sagittarius B2 molecular cloud core 06 p0895 N91-14947

Thermal emission from interstellar dust in and near the Pleiades 06 p0901 N91-14981

FLIGHT DIGITAL CO., LAS CRUCES, NM.

Development of a geographic navigational display device for general aviation aircraft [PB91-170282] 23 p3786 N91-31114

FLIGHT MECHANICS AND CONTROL, INC., HAMPTON, VA.

Final shuttle-derived atmospheric database: Development and results from thirty-two flights [NASA-CR-185636] 02 p0235 N91-11310

FLIGHT SAFETY FOUNDATION, INC., ARLINGTON, VA.

Wind shear training applications for 91/135 16 p2556 N91-24173

FLINDERS UNIV., BEDFORD PARK (AUSTRALIA).

The FIAMS research aircraft or small is beautiful 14 p2288 N91-22655

FLORENCE UNIV. (ITALY).

Production and transfer of UV photons in non-homogeneous spherical clouds 06 p0899 N91-14966

Applications of MultiFrequency (MF) SAR images in hydrology 07 p0991 N91-15439

FLORIDA AGRICULTURAL AND MECHANICAL UNIV., TALLAHASSEE.

Conceptual second-generation lunar equipment 10 p1476 N91-18129

Lunar articulated remote transportation system 10 p1476 N91-18130

The prediction of pseudo-resonance positions in the Schwinger variational principle 19 p3268 N91-28077

FLORIDA ATLANTIC UNIV., BOCA RATON.

Mobility power flow analysis of an L-shaped plate structure subjected to distributed loading [NASA-CR-187353] 01 p0057 N91-10334

Experimental measurement of structural power flow on an aircraft fuselage [NASA-CR-187352] 01 p0057 N91-10335

Effects of an internal flow on the vibration of thin cylindrical shells 02 p0225 N91-11258

Weight function approach for stress analysis of the surface crack in a finite plate subjected to nonuniform stress fields 03 p0380 N91-12121

Theoretical studies of metallic alloys [DE90-011894] 09 p1311 N91-17196

Parametric and experimental analysis using a power flow approach [NASA-CR-181990] 12 p1975 N91-20863

Dynamics of elastic bending and torsion of hingeless rotors with dynamic stall [AD-A234775] 18 p2924 N91-26134

Experimental measurement of structural power flow on an aircraft fuselage [NASA-CR-187560] 19 p3238 N91-27909

Theoretical studies of metallic alloys [DE91-016486] 23 p3815 N91-31281

Mobility power flow analysis of coupled plate structure subjected to mechanical and acoustics excitation [NASA-CR-188791] 23 p3885 N91-31678

FLORIDA INST. OF TECH., MELBOURNE.

Computational analysis of flow in 3D propulsive transition ducts 04 p0600 N91-13341

Modeling of flow systems for implementation under KATE 11 p1826 N91-20038

Improvement of program to calculate electronic properties of narrow band gap materials [NASA-CR-188212] 16 p2693 N91-24912

A design for an intelligent monitor and controller for space station electrical power using parallel distributed problem solving 18 p3095 N91-27105

FLORIDA INTERNATIONAL UNIV., MIAMI.

High voltage plasma sheath analysis related to TSS-1 10 p1633 N91-19009

FLORIDA STATE UNIV., TALLAHASSEE.

Generalized dynamic normal mode initialization 02 p0240 N91-11341

CAD tools for detector design [DE90-017337] 02 p0254 N91-11412

Task A: High energy physics program experiment and theory. Task B: High energy physics program numerical simulation [DE90-017336] 02 p0269 N91-11512

On the decadal modes of oscillation of an idealized ocean-atmosphere system 03 p0389 N91-12164

Cloud and surface control on the Earth's net radiation balance and the role of atmospheric/oceanic energy transports: A satellite perspective 03 p0389 N91-12169

Detecting target words while monitoring multiple auditory inputs [AD-A224687] 03 p0394 N91-12190

On the decadal modes of oscillation of an idealized ocean-atmosphere system 03 p0445 N91-12487

A study of the role of modules in the failure of systems [AD-A225811] 04 p0533 N91-12959

Numerical solution of the geoelectrodynamic problem [NASA-CR-186941] 05 p0686 N91-13818

Computation of broadband mixing noise from turbomachinery [AD-A226559] 05 p0711 N91-13969

He atom surface spectroscopy: Surface lattice dynamics of insulators, metals, and metal overlayers [DE91-001993] 06 p0879 N91-14855

Air-sea interaction in regions of varying surface conditions [AD-A228140] 07 p1033 N91-15665

The development of laser speckle velocimetry for the study of vortical flows [NASA-CR-187756] 08 p1142 N91-16289

Potential vorticity index 08 p1185 N91-16516

The vertical structure of the marine atmospheric boundary layer across a sea surface temperature front [AD-A227931] 08 p1187 N91-16525

Selective excitation, relaxation, and energy channeling in molecular systems [DE90-010793] 08 p1220 N91-16717

Confined supersonic mixing layers: A computational investigation of instability and mixing enhancement 09 p1306 N91-17168

Conceptual second-generation lunar equipment 10 p1476 N91-18129

Lunar articulated remote transportation system 10 p1476 N91-18130

Pulsed electron beam precharger [DE91-010537] 16 p2687 N91-24873

Continental shelf fish production estimation from CZCS chlorophyll data 17 p2878 N91-25919

Statistical aspects of reliability, maintainability, and availability [AD-A234546] 18 p2996 N91-26546

Computation of broadband mixing noise from turbomachinery [AD-A233991] 18 p3056 N91-26878

The development of laser speckle velocimetry for the study of vortical flows [NASA-CR-177589] 19 p3169 N91-27524

Initialization of cloud and radiation in the Florida State University global spectral model 20 p3376 N91-28703

On the initiation of surface cyclones by upper tropospheric disturbances 20 p3376 N91-28704

On the analysis of grouped survival data using cumulative occurrence/exposure rates [AD-A238219] 21 p3568 N91-29838

Singularities in Gaussian random fields [AD-A238220] 21 p3568 N91-29839

A mixed limit theorem for stable random fields [AD-A238222] 21 p3568 N91-29840

Particle image velocimetry: Photographic and video techniques 23 p3877 N91-31628

Unsteady flow past an airfoil pitching at a constant rate 23 p3877 N91-31629

Vortex interactions in the transition region of a rectangular jet 23 p3877 N91-31630

Absorbing CAD system geometries into GEANT [DE91-015707] 23 p3908 N91-31816

High energy physics program. Task A: Experiment and Theory. Task B: Numerical simulation of quantum field theories [DE91-015652] 23 p3926 N91-31938

Potential vorticity index 24 p4058 N91-32672

Remote sensing of water vapor features 24 p4060 N91-32682

Observing system simulation experiments for the laser atmospheric wind sounder using global spectral model 24 p4061 N91-32686

FLORIDA UNIV., GAINESVILLE.

Boundary element methods in structural shape synthesis 02 p0253 N91-11406

Long-term observations of three massive x ray binary transients: 4U0115+63, V0332+53, and GX301-2 02 p0287 N91-11612

Observations of pulsars at low radio frequencies 02 p0287 N91-11614

Effect of design parameters on the stability of multimass geared systems supported on fluid film bearings and subjected to unbalance and torsional excitation 03 p0373 N91-12087

The coupling of thermochemistry and phase diagrams for group III-V semiconductor systems [DE91-000934] 04 p0591 N91-13303

Version control and management in computer-aided design databases 05 p0699 N91-13896

Cosmic global strings [DE91-000933] 07 p1083 N91-15956

A query model and query and knowledge definition languages for object-oriented databases 08 p1197 N91-16580

Analysis of multivariable control systems in the presence of structured uncertainties [AD-A227976] 08 p1211 N91-16665

Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3 [NASA-TM-103391] 08 p1221 N91-16728

H I observations of the peculiar galaxy NGC 660 08 p1251 N91-16888

Planning collision-free paths with applications to robot manipulators 09 p1346 N91-17398

Non-critical superstrings from two dimensional N = 1 supergravity [DE91-005039] 09 p1364 N91-17495

The supersymmetric generalized modified KdV hierarchy and odd minimal superconformal field theories coupled to 20 supergravity, part 2 [DE91-005041] 09 p1364 N91-17496

A structure-function modeling paradigm for engineering databases 09 p1420 N91-17818

Angular momentum of an electric charge and magnetically charged black hole [DE91-005040] 09 p1427 N91-17856

Implementation of sensor and control designs for bioregenerative systems 10 p1475 N91-18128

Auditory pattern memory [AD-A229743] 12 p1931 N91-20625

Choice of velocity variables for complex flow computation 13 p2014 N91-21076

Chain propagation/step propagation polymerization. Regular thermoplastic elastomers [AD-A232356] 15 p2406 N91-23324

Articulation of spatial robots 15 p2437 N91-23504

Stress analysis of a double-doubler joint in composite structure 15 p2443 N91-23530

Dynamic delamination propagation in composite beams under impact 16 p2588 N91-24344

Structural damage assessment using identification techniques 16 p2644 N91-24634

Thermal analysis of conceptual designs for GPHS/FPSE power systems of 250 We and 500 We [NASA-CR-187145] 16 p2651 N91-24673

Workshop on Coupled-Cluster Theory at the Interface of Atomic Physics and Quantum Chemistry [AD-A233141] 16 p2683 N91-24854

Atmospheric occultation of a solar flare in hard x rays 17 p2881 N91-25931

Comparison of the RF frequency spectra of HEMP and lightning [AD-A234306] 18 p3014 N91-26642

A catalog of high resolution Jovian decametric radio noise burst spectra, volume 1 18 p3083 N91-27047

A glow discharge ion source with Fourier transform ion cyclotron resonance mass spectrometric detection [AD-A235575] 19 p3123 N91-27255

Ionization potentials and reactivity of coinage metal clusters [AD-A235573] 19 p3134 N91-27315

Formation of C10H8(+) from the benzene radical cation: A case for the growth of polycyclic aromatic hydrocarbon ions by Ion/Molecule reactions in the gas phase? [AD-A235574] 19 p3138 N91-27338

Ion beam sputtered coatings of bioglass [NASA-CR-188778] 20 p3321 N91-28384

Visual, red and infrared photographic surface photometry of NGC 55 and NGC 253 20 p3441 N91-29094

A search for cosmic axions 20 p3443 N91-29104

Vibration control and optimization in composite structural elements by use of add-on viscoelastic materials [AD-A238533] 21 p3533 N91-29628

E and DE/DT waveshapes for narrow bipolar pulses in intracloud lightning 24 p4048 N91-32610

Characterization of vertical electric fields and associated voltages induced on a overhead power line from close artificially initiated lightning 24 p4051 N91-32629

A system for mapping sources of VHF and electric field pulses from in-cloud lightning at KSC 24 p4063 N91-32697

Voltages induced on a power distribution line by overhead cloud lightning 24 p4069 N91-32734

Influence of channel base current and varying return stroke speed on the calculated fields of three important return stroke models 24 p4069 N91-32736

FLORIDA UNIV., SAINT AUGUSTINE.

Inhibition of olfactory receptor cells: An aquatic model [AD-A234437] 22 p3716 N91-30681

FLOW RESEARCH, INC., KENT, WA.

Development of a mathematical code to predict thermal degradation of fuel and deposit formation in a fuel system [AD-A225415] 03 p0347 N91-11942

FLUGPLATZ BUTZWEILERHOF, COLOGNE (GERMANY, F.R.).

Analysis of starting problems in cold weather with ASTAZOU type turbine engines in helicopters 23 p3792 N91-31147

FLUID PHYSICS, INC., ENCINITAS, CA.

Simulant gas test technique feasibility [AD-A224878] 04 p0470 N91-12634

FLUIDYNE ENGINEERING CORP., MINNEAPOLIS, MN.
A summary of European and Japanese hypersonic facility activities 16 p2578 N91-24287
FLUOR DANIEL, INC., IRVINE, CA.
Pacific Northwest hydrogen feasibility study [DE91-013427] 20 p3331 N91-28445
FM TECHNOLOGIES, INC., FAIRFAX, VA.
Elimination of laser prepulse by relativistic guiding in a plasma [AD-A229859] 12 p1903 N91-20466
Transverse klystron [AD-A231586] 13 p2077 N91-21444
FOKKER B.V., AMSTERDAM (NETHERLANDS).
A simplified method to estimate compression allowables for composite stiffened panels 03 p0333 N91-11867
The influence of material properties on design validity and margins 03 p0333 N91-11868
Determination of material design allowables 03 p0333 N91-11869
Kopstudie BLASER (laser bathymetry) [BCRS-89-36] 04 p0550 N91-13049
Cells in space: Sounding rocket facilities for cell biology and biotechnology in microgravity 11 p1756 N91-19661
FOKKER B.V., SCHIPOL-OOST (NETHERLANDS).
Fokker 50: Technology versus certification experience 03 p0307 N91-11713
Evaluation of the qualification of the structure of a passenger aircraft by analysis and full-scale testing 16 p2645 N91-24645
Solar array qualification through qualified analysis 16 p2646 N91-24651
The use of Monte Carlo simulation in determining landing gear loads during landing 20 p3285 N91-28162
Vulnerability of a small powerplant to wet snow conditions 23 p3792 N91-31148
FOKKER SPACE AND SYSTEMS, AMSTERDAM (NETHERLANDS).
Representation of earthshine impact in the ERS-1 EM payload TB/TV-test 07 p0953 N91-15237
Scaling down the activities of a thermal balance test evaluation 07 p0953 N91-15238
The development of the Hera Test Facility (HTF) 07 p0958 N91-15274
Building real-time simulators for space applications 15 p2452 N91-23587
Lightning protection of the Fokker 100 CFRP rudder 24 p4048 N91-32612
FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS, ROME (ITALY).
International document on food irradiation [DE91-615879] 13 p2128 N91-21715
FORD AEROSPACE AND COMMUNICATIONS CORP., HOUSTON, TX.
Monitoring shuttle electrical systems using artificial neural networks 14 p2216 N91-22247
FORD AEROSPACE AND COMMUNICATIONS CORP., PALO ALTO, CA.
An evaluation of low-frequency shock spectrum testing for INTELSAT 5/Ariane compatibility 07 p0956 N91-15260
FORD AEROSPACE CORP., PALO ALTO, CA.
Advanced technology satellite demodulator development [NASA-CR-185127] 02 p0203 N91-11134
Satellite servicing economic study [NASA-CR-184112] 11 p1663 N91-19162
Satellite servicing economic study [NASA-CR-184113] 11 p1663 N91-19163
FORD AEROSPACE CORP., SUNNYVALE, CA.
Challenges in building intelligent systems for space mission operations 12 p1940 N91-20672
FORD MOTOR CO., DEARBORN, MI.
Synthesis of high purity sinterable Si3N4 powders [DE91-005637] 10 p1502 N91-18268
Improved silicon carbide for advanced heat engines [NASA-CR-182289] 16 p2607 N91-24451
FORDHAM UNIV., NEW YORK, NY.
A study of murine bone marrow cells cultured in bioreactors which create an environment which simulated microgravity 18 p3094 N91-27101
FOREST SERVICE, ASHEVILLE, NC.
Climate variability and ecosystem response: Proceedings of a Long-Term Ecological Research Workshop [PB91-119180] 13 p2113 N91-21632
FOREST SERVICE, NEW ORLEANS, LA.
Theory and derivation for Weibull parameter probability weighted moment estimators [PB91-124495] 12 p1972 N91-20848
FOREST SERVICE, OGDEN, UT.
Statistical procedures for disaggregation applicable to modeling climatic effects on forest growth [PB91-160820] 17 p2809 N91-25529
FOREST SERVICE, WASHINGTON, DC.
From the pilot test philosophy to total quality management: A logical progression, a manager's guide [PB91-155168] 16 p2638 N91-24596
FORSCHUNGSANSTALT DER BUNDESWEHR FUER WASSERSCHALL- UND GEOPHYSIK, KIEL (GERMANY, F.R.).
Water surface temperatures from thermal satellite images 04 p0541 N91-13000
FORSCHUNGSINSTITUT FUER ANTHROPOTECHNIK, WACHTBERG (GERMANY, F.R.).
A simulation study for analysing pilot's rule-based behavior 07 p1044 N91-15726
FORSCHUNGSINSTITUT FUER EDELMETALLE UND METALLCHEMIE, SCHWAEBISCH GMUEND (GERMANY, F.R.).
Electrolytic hydrogen formation (TEXUS 1) 23 p3827 N91-31347
Electrolytically generated hydrogen bubbles (TEXUS 6) 23 p3827 N91-31348
FORSCHUNGSINSTITUT FUER HOCHFREQUENZPHYSIK, WERTHHOVEN (GERMANY, F.R.).
Ionospheric modification and imaginable system applications 10 p1554 N91-18544
FORSCHUNGSZENTRUM JUELICH G.M.B.H. (GERMANY, F.R.).
Residual stresses in ceramics [JUEL-SPEZ-550] 05 p0638 N91-13536
Possibilities of the calculation of stresses and residual stresses in materials with a phase transformation 05 p0640 N91-13548
The influence of small SO2 contents on the corrosion behavior for NiCrAl alloys in temperature zone from 1000 to 1100 C [JUEL-2362] 08 p1116 N91-16134
Mechanical behavior of a nickel based alloy UDIMET 700 fabricated by powder metallurgy [JUEL-2414] 23 p3815 N91-31283
FORWARD UNLTD., MALIBU, CA.
Exotic power and propulsion concepts 14 p2199 N91-22140
FORWARD UNLTD., OXNARD, CA.
Twenty-first century space propulsion study [AD-A229279] 09 p1298 N91-17124
Twenty first century space propulsion study addendum [AD-A238011] 21 p3467 N91-29225
FRANKLIN RESEARCH CENTER, NORRISTOWN, PA.
Short pulse test set [AD-A231119] 14 p2259 N91-22496
FRAUNHOFER-GESELLSCHAFT E.V., STUTTGART (GERMANY, F.R.).
Liquid motion in capillary tubes (TEXUS 3) 23 p3822 N91-31322
Liquid motion in capillary tubes (TEXUS 5) 23 p3822 N91-31323
Bubbles and foams (TEXUS 10) ESA 23 p3823 N91-31324
FRAUNHOFER-INST. FUER ATMOSPHAERISCHE UMWELTFORSCHUNG, GARMISCH-PARTENKIRCHEN (GERMANY, F.R.).
Lidar measurements at Garmisch, conversion model, and midlatitude aerosol effects 24 p4033 N91-32536
FRAUNHOFER-INST. FUER BETRIEBSFESTIGKEIT, DARMSTADT (GERMANY, F.R.).
Development and computer aided residual stress measurements on coated specimen using blind-hole drilling technique 05 p0639 N91-13544
FRAUNHOFER-INST. FUER CHEMISCHE TECHNOLOGIE, BERGHAUSEN (GERMANY, F.R.).
Processes for assessing the thermal stability of HAN-based liquid propellants: Revision [AD-A224999] 04 p0510 N91-12832
Environmental test tailoring 07 p0950 N91-15219
FRAUNHOFER INST. FUER WERKSTOFFMECHANIK, FREIBURG (GERMANY, F.R.).
Determination of stresses in ceramics using ultrasonic methods: Possibilities and limitations 05 p0639 N91-13546
FREIBURG UNIV. (GERMANY, F.R.).
Multiparametric radar data for land applications 07 p0992 N91-15441
Principles of crystal growth, part 2 14 p2332 N91-22887
The growing process 14 p2332 N91-22888
Results of crystal growth experiments in space 14 p2333 N91-22891
CuInSe2 monocrystal growth 14 p2334 N91-22898
Thermoanalytic and electric analyses of the TlSbSe2 semiconductor 14 p2334 N91-22900
Application of the finite difference method to the calculation of temperature distributions in growth ampoules for mirror furnaces 14 p2335 N91-22908
The heater unit of the Zone Melting Facility (ZMF): A resistance heated ten zone furnace 14 p2335 N91-22911
Floating-zone growth of a silicon single crystal (TEXUS 7) 23 p3834 N91-31384
Growth of a Si crystal covered with a SiO2 skin (TEXUS 12) 23 p3835 N91-31385
Diffusion-controlled growth of protein single crystals: B-galactosidase (TEXUS 3) 23 p3836 N91-31395
Diffusion-controlled growth of protein single crystals: Investigation of B-galactosidase at low temperature (TEXUS 4) 23 p3837 N91-31396
Diffusion-controlled growth of single crystals of protein (TEXUS 5) 23 p3837 N91-31397
FREIE UNIV., BERLIN (GERMANY, F.R.).
Vegetative index for Europe 04 p0541 N91-12999
Measurement of eye movements in space-related research environments 11 p1744 N91-19591
Vertebral column length changes during simulated microgravity 11 p1747 N91-19604
Crystalization of ribonucleic acid and protein in microgravity conditions 14 p2333 N91-22893
FREQUENCY AND TIME SYSTEMS, INC., BEVERLY, MA.
Tactical quartz oscillator development [AD-A234308] 18 p2978 N91-26443
FRONTIER TECHNOLOGY, INC., BEAVERCREEK, OH.
Methodology development for the verification and validation of flight critical systems software, phase 1 [AD-A229932] 13 p2132 N91-21735
FTR, INC., RED BANK, NJ.
A high-speed multispectra infrared digital video system to measure the reaction fronts of solid propellants [AD-A233276] 16 p2611 N91-24456
FUJI HEAVY INDUSTRIES LTD., UTSUNOMIYA (JAPAN).
A grid generation on body surface using master dimension system 04 p0455 N91-12540
Numerical simulation of aerodynamic effects of the rear-spoiler on an automobile 04 p0465 N91-12602
Navier-Stokes simulation of transonic flow around ventilated airfoils 04 p0466 N91-12611
The CFD analysis related aerospace in Fuji Heavy Industries, Ltd. 13 p2067 N91-21383
Blended wing-body configuration design using transonic inverse code 24 p3945 N91-32047
A numerical simulation of two dimensional shear layer 24 p3947 N91-32060
FUJITSU LTD., TOKYO (JAPAN).
Turbulence models for transonic flows with separation 04 p0452 N91-12519
On the numerical simulations of flow around a body of complex configurations 04 p0457 N91-12557
Numerical simulations of aerodynamical contribution of flows about a space-plane 04 p0467 N91-12616
On the computation of viscous flows around a three-dimensional wing 04 p0468 N91-12623
The software system on parallel processor for computational fluid dynamics 13 p2068 N91-21388
A new ground data system for Akebono (EXOS-D) satellite 14 p2209 N91-22200
FUKUI UNIV. (JAPAN).
Numerical simulation of high-speed combustion induced by oblique shock wave 04 p0452 N91-12524
Application of mathematica to energy principle 20 p3411 N91-28910
FULMER RESEARCH INST. LTD., STOKE POGES (ENGLAND).
Introducing an adhesive bonding handbook for advanced structural materials 03 p0331 N91-11846
Testing and integrity of thermostructural ceramic matrix composites 03 p0334 N91-11871
Immiscible alloy system Al-Pb (TEXUS 7) 23 p3842 N91-31422
FUSION PHYSICS AND TECHNOLOGIES, TORRANCE, CA.
Advanced fusion diagnostics [DE91-017412] 24 p4105 N91-32941
FWG ASSOCIATES, INC., TULLAHOMA, TN.
Analysis of wind profile measurements from an instrumented aircraft [NASA-CR-184084] 08 p1186 N91-16523
Guide to measurement of winds with instrumented aircraft [NASA-CR-188601] 17 p2814 N91-25553

G

G AND C SYSTEMS, INC., SAN JUAN CAPISTRANO, CA.
Autonomous aircraft initiative study [NASA-CR-186013] 18 p2925 N91-26140
GA TECHNOLOGIES, INC., SAN DIEGO, CA.
Thermionic converter emitter support arrangement [DE90-015132] 01 p0064 N91-10383

GALLAUDET COLL., WASHINGTON, DC.
Minimum length Pb/SCIN detector for efficient cosmic ray identification 17 p2680 N91-25928
A model summer program for handicapped college students 19 p3272 N91-28098
GANDHI (INDIRA) CENTRE FOR ATOMIC RESEARCH, KALPAKKAM (INDIA).
Compatibility studies of copper, brass and cupronickel with Hytherm-500 thermofluid
[DE91-618664] 16 p2602 N91-24421
Glow discharge lamp: A light source for optical emission spectroscopy
[DE91-619433] 16 p2621 N91-24517
Creep rupture properties of solution annealed and cold worked type 316 stainless steel cladding tubes
[DE91-618658] 16 p2633 N91-24575
GARRETT TURBINE ENGINE CO., PHOENIX, AZ.
Small Engine Component Technology (SECT)
[NASA-CR-175078] 16 p2561 N91-24205
Advanced Turbine Technology Applications Project (ATTAP)
[NASA-CR-187146] 22 p3770 N91-31022
GARTNER GROUP, INC., STAMFORD, CT.
High performance computing and communications: Investment in American competitiveness
[DE91-010975] 22 p3658 N91-30361
GAS RESEARCH INST., CHICAGO, IL.
Physical sciences program area 1990 contract status report
[PB90-252545] 04 p0578 N91-13220
Global climate change: A gas industry program on global climate issues, July 1990
[PB91-136408] 12 p1921 N91-20566
GATES LEARJET CORP., WICHITA, KS.
Aircraft icing handbook, volume 1
[AD-A238039] 21 p3453 N91-29154
Aircraft icing handbook, volume 2
[AD-A238040] 21 p3453 N91-29155
Aircraft icing handbook, volume 3
[AD-A238041] 21 p3454 N91-29156
GEC AVIONICS LTD., ROCHESTER (ENGLAND).
A fault tolerant fly by wire system for maintenance free applications 04 p0483 N91-12688
GEC-PLESSEY SEMICONDUCTORS, LINCOLN (ENGLAND).
An 8 bit high performance ADC in silicon on sapphire 24 p3992 N91-32302
Technology approval using capability indices 24 p4004 N91-32389
GEDEON ASSOCIATES, ATHENS, OH.
Manifest: A computer program for 2-D flow modeling in Stirling machines
[NASA-CR-182290] 16 p2628 N91-24553
GELTECH, INC., ALACHUA, FL.
Transpiration cooled ultraviolet sol-gel silica optics
[AD-A235426] 18 p3065 N91-26934
GENCORP AEROJET, SACRAMENTO, CA.
Orbital transfer vehicle oxygen turbopump technology. Volume 2: Nitrogen and ambient oxygen testing
[NASA-CR-185262] 07 p0966 N91-15307
Orbital transfer vehicle oxygen turbopump technology. Volume 1: Design, fabrication, and hydrostatic bearing testing
[NASA-CR-185175] 11 p1665 N91-19174
Modeling of rolling element bearing mechanics
[NASA-CR-188045] 13 p2094 N91-21530
Sensor data validation and reconstruction. Phase 1: System architecture study
[NASA-CR-187124] 17 p2743 N91-25178
GENERAL ACCOUNTING OFFICE, WASHINGTON, DC.
Military space programs: An unclassified overview of defense satellite programs and launch activities
[AD-A225014] 04 p0578 N91-13215
Tactical fighter aircraft: Differences between the Air Force's roadmap and the five year defense plan
[AD-A228882] 08 p1089 N91-15976
Naval aviation: The V-22 Osprey, progress and problems
[AD-A228905] 09 p1277 N91-17016
Space Shuttle: NASA should implement independent oversight of software development
[GAO/IMTEC-91-20] 11 p1655 N91-19119
Space operations: NASA is not archiving all potentially valuable data
[GAO/IMTEC-91-3] 11 p1813 N91-19955
Embedded computers: Navy's approach to developing patrol aircraft avionics system too risky
[AD-A230868] 13 p2024 N91-21136
Space station: NASA's search for design, cost, and schedule stability continues
[GAO/NSIAD-91-125] 13 p2034 N91-21187
Strategic defense system: Stable design and adequate testing must precede decision to deploy
[AD-A230864] 13 p2146 N91-21820
Space data: NASA's future data volumes create formidable challenges
[GAO/IMTEC-91-24] 14 p2339 N91-22933
Strategic missiles: Uncertainties persist in the Advanced Cruise Missile (ACM) program
[AD-A232058] 15 p2375 N91-23142
Shortages of scientists and engineers due to retirements unlikely in the 1990s
[GAO/NSIAD-91-185] 17 p2874 N91-25899
Unmanned aerial vehicles. Medium range system components do not fit
[AD-A234131] 18 p2924 N91-26132
Aerospace plane technology: Research and development efforts in Europe. Report to the Chairman, Committee on Science, Space, and Technology, House of Representatives
[GAO/NSIAD-91-194] 18 p2926 N91-26141
Weather satellites: Action needed to resolve status of the US Geostationary Satellite Program. Report to the Chairman, Committee on Science, Space, and Technology, House of Representatives
[GAO/NSIAD-91-252] 18 p2936 N91-26194
Air Force stock fund: Hydrazine sales consistent with the Commercial Space Launch Act. Report to the Chairman, Committee on Science, Space and Technology, House of Representatives
[GAO/NSIAD-91-196] 18 p2970 N91-26397
Commercial use of space: Many grantees making progress, but NASA oversight could be improved. Report to the Chair, Subcommittee on VA, HUD, and Independent Agencies, Committee on Appropriations, U.S. Senate
[GAO/NSIAD-91-142] 18 p2971 N91-26400
Environmental protection: Solving NASA's current problems requires agencywide emphasis
[GAO/NSIAD-91-146] 19 p3185 N91-27615
Strategic defense initiative: Need to examine concurrency in development of brilliant pebbles
[AD-A238292] 21 p3571 N91-29854
Space project testing: Uniform policies and added controls would strengthen testing activities
[GAO/NSIAD-91-248] 22 p3765 N91-30987
Space communications: Better understanding of scheduling system limitations needed
[GAO/IMTEC-91-48] 22 p3765 N91-30988
Electronic warfare: Faulty test equipment impairs Navy readiness
[AD-A239562] 23 p3857 N91-31506
Acquisition reform: Implementing defense management review initiatives. Report to the Chairman and Ranking Minority Member, Subcommittee on Defense Industry and Technology, Senate Committee on Armed Services
[AD-A239423] 23 p3936 N91-31999
GENERAL ATOMIC CO., SAN DIEGO, CA.
High temperature ceramic superconductors
[AD-A224847] 03 p0422 N91-12362
A multi-laser system for a fast sampling Thomson scattering diagnostic
[DE91-002708] 05 p0667 N91-13705
A silicon avalanche photodiode detector circuit for Nd:YAG laser scattering
[DE91-002709] 05 p0667 N91-13706
A 15 MeV proton dianostic for DIII-D
[DE91-002717] 05 p0721 N91-14022
High spatial and temporal resolution visible spectroscopy of the plasma edge in DIII-D
[DE91-002718] 05 p0721 N91-14023
A compact, low cost, 7 channel polychromator for Thomson scattering measurements
[DE91-002719] 05 p0721 N91-14024
A real-time digital control, data acquisition and analysis system for the DIII-D multipulse Thomson scattering diagnostic
[DE91-002720] 05 p0721 N91-14025
Wall conditioning and plasma surface interactions in DIII-D
[DE91-001547] 06 p0876 N91-14846
DIII-D results and plans
[DE91-001548] 06 p0877 N91-14847
Scaling dimensionally similar tokamak discharges to ignition
[DE90-010079] 08 p1225 N91-16749
D3-D research operations
[DE90-008232] 08 p1226 N91-16752
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
Spectroscopic study of edge poloidal rotation and radial electric fields in the DIII-D tokamak
[DE91-002706] 09 p1401 N91-17710
Three-dimensional numerical simulation of simple electron drift wave turbulence in a sheared and curved magnetic field 10 p1597 N91-18812
Soliton Microwave Generator
[DE91-008277] 11 p1695 N91-19335
Plasma boundary experiments on D3-D tokamak
[DE91-002429] 11 p1800 N91-19881
Tokamak ignition projections from dimensionally similar discharges
[DE91-008195] 11 p1804 N91-19908
Latest results from DIII-D and their implications for future devices
[DE91-008499] 12 p1983 N91-20913
Profile optimization and high beta discharges and stability of high elongation plasmas in the DIII-D tokamak
[DE91-008921] 12 p1984 N91-20918
Electron cyclotron heating and current drive results from the DIII-D tokamak
[DE91-008922] 12 p1984 N91-20919
Divertor-plasma studies on DIII-D
[DE91-008923] 12 p1985 N91-20920
High-temperature ceramic superconductors
[AD-A230074] 12 p1987 N91-20933
Transport in auxiliary-heated, hot-ion H-mode and L-mode discharges in the DIII-D tokamak
[DE91-008924] 13 p2156 N91-21887
Role of the edge electric field and microturbulence in the L-H transition
[DE91-008925] 13 p2157 N91-21888
Pulsed plasmoid electric propulsion 14 p2200 N91-22151
Exploration of planetesimals by a tripartite tethered spacecraft 14 p2203 N91-22164
An edge density fluctuation diagnostic for DIII-D using lithium beams
[DE91-009814] 14 p2329 N91-22869
Applied plasma physics
[DE91-010696] 15 p2512 N91-23922
Fusion technology development
[DE91-010697] 15 p2513 N91-23923
US/Japan Workshop on Tokamak Fusion Power Reactor Studies
[DE91-011115] 17 p2867 N91-25858
Recent gaseous divertor experiments in DIII-D
[DE91-011139] 17 p2867 N91-25859
Dependence of the DIII-D beta limit on the current profile
[DE91-011140] 17 p2867 N91-25860
Effects of current profiles on MHD stability
[DE91-011742] 17 p2869 N91-25872
Ceramic fiber coating development and demonstration
[AD-A234773] 18 p2964 N91-26358
Comparison of dimensionally similar discharges with similar heat deposition discharges
[DE91-011740] 18 p3066 N91-26938
Statistical properties of intrinsic topological noise in tokamaks
[DE91-011741] 18 p3066 N91-26939
High-temperature ceramic superconductors
[AD-A234620] 18 p3068 N91-26953
Influence of fast waves on the collective scattering of microwaves in fusion plasmas
[DE91-014759] 20 p3421 N91-28973
H-mode energy confinement scaling from the ASDEX, DIII-D, and jet tokamaks
[DE91-015145] 21 p3588 N91-29957
Initial operational experience after installation of the D3-D radiation shield
[DE91-017765] 24 p4107 N91-32949
The evolution of US helium-cooled blankets
[DE91-017938] 24 p4107 N91-32952
GENERAL ATOMICS TECHNOLOGIES CORP., SAN DIEGO, CA.
Advanced divertor experiments on DIII-D
[DE91-011138] 21 p3586 N91-29950
GENERAL DIGITAL INDUSTRIES, INC., HUNTSVILLE, AL.
Software technology testbed softpanel prototype
[NASA-CR-187913] 16 p2666 N91-24753
GENERAL DYNAMICS CORP., FORT WORTH, TX.
Predictions of F-111 TACT aircraft buffet response 06 p0782 N91-14335
GENERAL DYNAMICS CORP., HUNTSVILLE, AL.
Liquid rocket booster study addendum
[NASA-CR-184127] 14 p2235 N91-22368
GENERAL DYNAMICS CORP., SAN DIEGO, CA.
Hybrid propulsion technology program: Phase 1, volume 1
[NASA-CR-183972] 01 p0019 N91-10111
Hybrid propulsion technology program: Phase 1, volume 2
[NASA-CR-183973] 01 p0019 N91-10112
Hybrid propulsion technology program: Phase 1. Volume 3: Thiokol Corporation Space Operations
[NASA-CR-183974] 01 p0019 N91-10113
Ground test program for new Atlas payload fairings 01 p0053 N91-10315
Upper stage in-flight retargeting to enhance geosynchronous satellite operations 09 p1293 N91-17103
Expert system decision support for low-cost launch vehicle operations 12 p1941 N91-20679

Development of low cost propulsion requirements
16 p2570 N91-24242
Hybrid propulsion boosters for space launch vehicles
16 p2571 N91-24249
Design and development of the redundant launcher stabilization system for the Atlas 2 launch vehicle
16 p2640 N91-24607
Mass budget for mining the moons of Mars
17 p2909 N91-26063
Optimum rocket propulsion for energy-limited transfer
17 p2909 N91-26064
The potential for crustal resources on Mars
17 p2910 N91-26068
The space exploration initiative. Operational efficiency panel space-basing technology requirements
20 p3299 N91-28253
Propulsion technologies for near term
20 p3301 N91-28262
Cultural changes in aerospace
20 p3301 N91-28265

GENERAL DYNAMICS CORP., STERLING HEIGHTS, MI.
AGT 1500 powerpack improvement project (M1 TMEPS), volume 1
[AD-A234998] 22 p3684 N91-30511
AGT 1500 powerpack improvement project (M1 TMEPS), volume 2
[AD-A234999] 22 p3684 N91-30512

GENERAL DYNAMICS/FORT WORTH, TX.
Flight critical design concepts for low-level tactical guidance and control 04 p0482 N91-12683
Implementation and evaluation of a classification algorithm based on structural descriptions: Program listing
[AD-A235814] 19 p3223 N91-27816

GENERAL ELECTRIC CO., ARLINGTON, VA.
Radar experiments data reduction, and experimental tests
[AD-A228583] 09 p1322 N91-17261

GENERAL ELECTRIC CO., BINGHAMTON, NY.
Fault-tolerant, flight-critical control systems
04 p0484 N91-12691

GENERAL ELECTRIC CO., CINCINNATI, OH.
Research and development for improved toughness aluminides
[AD-A226627] 05 p0636 N91-13524
Elevated temperature crack growth
16 p2582 N91-24314

GENERAL ELECTRIC CO., DAYTONA BEACH, FL.
Raster graphic helmet-mounted display study
[NASA-CR-4331] 06 p0784 N91-14347

GENERAL ELECTRIC CO., FAIRFIELD, CT.
Silicon Wafer Advanced Packaging (SWAP). Multichip Module (MCM) foundry study, version 2
[AD-A237412] 21 p3505 N91-29452
Fatigue-resistant nickel-base superalloys
[PATENT-1-253-363] 23 p3813 N91-31268
Rapidly solidified nickel aluminide of improved stoichiometry and ductilization
[PATENT-1-257-987] 23 p3813 N91-31270
Method for imparting strength to intermetallic phases
[PATENT-1-255-929] 23 p3813 N91-31271
X-ray inspection system
[PATENT-1-258-924] 23 p3882 N91-31660

GENERAL ELECTRIC CO., HOUSTON, TX.
Spacelab life sciences 1: Reprints of background life sciences publications
[NASA-TM-104962] 17 p2818 N91-25571

GENERAL ELECTRIC CO., PEEBLES, OH.
Cold weather jet engine starting strategies made possible by engine digital control systems
23 p3793 N91-31153

GENERAL ELECTRIC CO., PHILADELPHIA, PA.
A modernized PDL approach for Ada software development 01 p0106 N91-10616
Definition and preliminary design of the Laser Atmospheric Wind Sounder (LAWS) phase 1. Volume 1: Executive summary
[NASA-CR-184071] 08 p1150 N91-16332
Definition and preliminary design of the Laser Atmospheric Wind Sounder (LAWS) phase 1. Volume 2
[NASA-CR-184072] 08 p1150 N91-16333
Definition and preliminary design of the Laser Atmospheric Wind Sounder (LAWS) phase 1. Volume 3: Program cost estimates
[NASA-CR-184073] 08 p1150 N91-16334
Feasibility study of the Superconducting Gravity Gradiometer (SGG) flight test on the European Retrievable Carrier (EURECA)
[NASA-CR-184157] 15 p2390 N91-23229
Design, fabricate, and provide engineering support for radioisotope thermoelectric generators for NASA'S CRHF and CASSINI missions
[DE91-011024] 17 p2863 N91-25833

GENERAL ELECTRIC CO., SCHENECTADY, NY.
Development of elements of a high Tc superconducting cable
[AD-A224971] 03 p0341 N91-11913
The interactive Ada workstation
[AD-A226873] 07 p1038 N91-15696
Feedback control of combustion instabilities: A case study in active adaptive control of complex physical systems
[AD-A229812] 12 p1866 N91-20253
Benchmark measurements and calculations of a 3-dimensional neutron streaming experiment
[DE91-010692] 15 p2504 N91-23867
The microstructure and tensile properties of nitrogen containing vacuum atomized Alloy 690
[DE91-010695] 16 p2602 N91-24418
Development of elements of a high T(sub c) superconducting cable
[AD-A233270] 16 p2694 N91-24918
High-power converters for space applications
[NASA-CR-187116] 18 p2981 N91-26461
Biological synthesis of substituted o-aminophenols
[AD-A234910] 18 p3021 N91-26678
Development of elements of a high T(sub c) superconducting cable
[AD-A236151] 20 p3423 N91-28986
Portable parallel programming
[DE91-015648] 21 p3561 N91-29794
Development of elements of a high T(sub c) superconducting cable
[AD-A239766] 23 p3863 N91-31543

GENERAL ELECTRIC CO., SYRACUSE, NY.
Pseudomorphic InGaAs materials
[AD-A226895] 06 p0880 N91-14864
Failure mechanisms on GaAs integrated circuits: Electromigration on GaAs
[AD-A237352] 21 p3505 N91-29451

GENERAL ELECTRIC CO., UTICA, NY.
Qualification procedures for VHSIC/VLSI
[AD-A233110] 16 p2620 N91-24508

GENERAL ELECTRIC CO., WEST LYNN, MA.
Ice ingestion experience on a small turboprop engine
23 p3794 N91-31162

GENERAL MOTORS CORP., INDIANAPOLIS, IN.
Advanced Turbine Technology Applications Project (ATTAP)
[NASA-CR-187039] 08 p1097 N91-16021
Small Engine Component Technology (SECT) study
[NASA-CR-175081] 16 p2562 N91-24207
Investigation of advanced counterrotation blade configuration concepts for high speed turboprop systems. Task 2: Unsteady ducted propfan analysis
[NASA-CR-187106] 17 p2729 N91-25113
Development of an anti-icing system for the T800-LHT-800 turboshaft engine
23 p3794 N91-31160

GENERAL PHYSICS CORP., CAPE CANAVERAL AFS, FL.
Pressure vessel burst test program
[AD-A237845] 21 p3532 N91-29624

GENERAL SEMICONDUCTOR INDUSTRIES, INC., TEMPE, AZ.
Hardening communication ports for survival in electrical overstress environments 24 p4050 N91-32624

GEO-CENTERS, INC., LAKE HOPATCONG, NJ.
Stability of liquid propellants under long-term storage
[AD-A223934] 02 p0201 N91-11126
Development of aqueous and nonaqueous titrimetric methods for liquid propellants
[AD-A226186] 04 p0511 N91-12837

GEO-CENTERS, INC., NEWTON, MA.
Mechanisms and kinetics of catalytic reactions
[AD-A229912] 12 p1865 N91-20244
Novel chemical and optical diagnostic techniques
[AD-A235587] 19 p3124 N91-27256

GEO-MARINE, INC., PLANO, TX.
Proceedings of a workshop on Northern Gulf of Mexico Environmental Studies Planning
[PB90-259805] 09 p1359 N91-17471

GEOLOGICAL SURVEY, ANCHORAGE, AK.
Geohydrology and ground-water geochemistry at a sub-Arctic landfill, Fairbanks, Alaska
[PB91-140590] 17 p2810 N91-25531

GEOLOGICAL SURVEY, DENVER, CO.
FREQFIT: Computer program which performs numerical regression and statistical chi-squared goodness of fit analysis
[DE91-000133] 03 p0401 N91-12230
Color palette: Plotting guide for use with GSMAP and GSDRAW digital cartographic software
[DE91-001643] 06 p0858 N91-14737
Evidence for ammonium-bearing minerals in Ceres
11 p1821 N91-20004
Selected papers in the applied computer sciences, 1990
[PB91-141689] 17 p2828 N91-25620
Transport and fate of acetone in an outdoor model stream, Stennis Space Center near Bay St. Louis, Mississippi
[PB91-154674] 18 p3006 N91-26600
Magnetic and electrical properties of Martian particles
18 p3088 N91-27074
Close-range geophotogrammetric mapping of trench walls using multi-model stereo restitution software
[DE91-013105] 20 p3366 N91-28645
Magnetostratigraphy of the San Francisco volcanic field, Arizona
[PB91-190306] 22 p3706 N91-30629
GEOTRANS: An interface program from GEOPROGRAM to a geographic information system
[DE91-016111] 23 p3936 N91-31998

GEOLOGICAL SURVEY, FLAGSTAFF, AZ.
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
Triton: A hot potato 11 p1821 N91-20005
What were the effects of the formation of the Borealis basin, Mars 11 p1822 N91-20014

GEOLOGICAL SURVEY, LAWRENCE, KS.
A solar-luminosity model and climate
03 p0444 N91-12482
Speculation on a solar chronometer for climate
03 p0448 N91-12505

GEOLOGICAL SURVEY, MENLO PARK, CA.
Feasibility study of the seismic reflection method in Amargosa Desert, Nye County, Nevada
[DE91-001646] 06 p0847 N91-14676
Principal facts for about 16,000 gravity stations in the Nevada test site and vicinity
[DE90-011521] 08 p1175 N91-16470
Martian surface materials 18 p3088 N91-27073

GEOLOGICAL SURVEY, RESTON, VA.
World nonbauxite aluminum resources excluding alunite
[PB91-137745] 17 p2801 N91-25495
Systematic paleontology of quaternary ostracode assemblages from the Gulf of Alaska. Part 1: Families cytherellidae, bairdidae, cytheridae, leptocytheridae, limnocytheridae, eucytheridae, Krithidae, Cushmanideidae
[PB91-138602] 17 p2810 N91-25530

GEOLOGICAL SURVEY OF WESTERN AUSTRALIA, PERTH.
Stratigraphy of the late Proterozoic Gaylad Sandstone, northeastern Amadeus Basin, and recognition of an underlying regional unconformity
19 p3194 N91-27658

GEOMET TECHNOLOGIES, INC., GERMANTOWN, MD.
Cooling performance evaluation of a high-efficiency variable-speed electric heat pump in a contemporary research house
[PB91-159574] 17 p2779 N91-25379
Airliner cabin environment: Contaminant measurements, health risks, and mitigation options
[PB91-159384] 18 p3034 N91-26746

GEOPHYSICAL OBSERVATORY, HELSINKI (FINLAND).
Homogeneity of geomagnetic variations at the Sodankyla Observatory
[FACL-76] 12 p1922 N91-20574

GEORGE MASON UNIV., FAIRFAX, VA.
Laser annealing of amorphous/poly: Silicon solar cell material flight experiment
[NASA-CR-187370] 03 p0386 N91-12151
Preliminary results of investigations into the use of artificial neural networks for discriminating gas chromatograph mass spectra of remote samples
14 p2316 N91-22793
Gallium arsenide processing for gate array logic
17 p2882 N91-25933
Software design methods for real-time systems
[AD-A235701] 19 p3220 N91-27797
Hyperdimensional data analysis and structural inference
[AD-A238097] 21 p3556 N91-29764

GEORGE WASHINGTON UNIV., HAMPTON, VA.
First evaluation of the main parameters in the dynamics of the Small Expendable Deployer System (SEDS) for a tethered satellite
[NASA-CR-4319] 01 p0016 N91-10098
Effective computational strategy for predicting the response of complex systems
[AD-A231153] 13 p2077 N91-21441

GEORGE WASHINGTON UNIV., WASHINGTON, DC.
Ejector thrust augmentors: Pulse-starting approach to the second solution 02 p0157 N91-10913
Experimental and analytical investigation of low-solidity axial turbines 03 p0313 N91-11751
Nonlinear finite element dynamics on multiprocessor computers
[AD-A227409] 06 p0862 N91-14761

New high temperature plasmas and sample introduction systems for analytical atomic emission and mass spectrometry
[DE91-005043] 10 p1601 N91-18829
The 1989-1990 NASA space biology accomplishments
[NASA-TM-4258] 11 p1762 N91-19697
Space medicine research publications: 1987-1988
[NASA-CR-187840] 12 p1928 N91-20608
Space human factors publications: 1980-1990
[NASA-CR-4351] 12 p1930 N91-20620
Evidence for vertical C2 on Ni as a precursor for graphite nucleation
[AD-A231672] 14 p2249 N91-22439
CEELS as a probe of the carbide to graphite transformation on Ni
[AD-A231675] 14 p2249 N91-22440
Publications of the exobiology program for 1989: A special bibliography
[NASA-TM-4269] 14 p2301 N91-22715
The past, present, and future of Auger lineshape analysis
[AD-A231676] 14 p2323 N91-22832
Background simulation and filter design using iterated function systems
[AD-A232632] 15 p2420 N91-23405
Digital redesign of the control system for the Robotics Research Corporation model K-1607 robot
17 p2881 N91-25930
Quantitative interpretation of auger lineshapes and electron/photon stimulated desorption
[AD-A237138] 21 p3574 N91-29874
Investigation of thermal-fluid mechanical characteristics of the Capillary Pump Loop
[NASA-CR-188730] 22 p3675 N91-30459
A reference model dynamics-CMAC algorithm for simulation and control of robotic manipulators
24 p4028 N91-32507

GEORGETOWN UNIV., WASHINGTON, DC.

Deployment and testing of a second prototype expandable surgical chamber in microgravity
24 p4080 N91-32794

GEORGIA INST. OF TECH., ATLANTA.

Application of a state-space wake model to elastic blade flapping in hover 01 p0002 N91-10006
Nonlinear feedback control for high alpha flight
[NASA-CR-186545] 01 p0008 N91-10047
Sub-visual Cirrus detection and characterization
01 p0082 N91-10486
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
Heat transfer in variable density, low Mach number, stagnating turbulent flows 02 p0209 N91-11171
Dynamic analysis and control of lightweight manipulators with flexible parallel link mechanisms
[NASA-CR-187347] 02 p0217 N91-11216
Alternating method applied to 3-D part-through crack problems, with application to the weight function method
02 p0221 N91-11238
A simple zonal average energy budget model of the earth-atmosphere system 02 p0236 N91-11316
Operator function modeling: Cognitive task analysis, modeling and intelligent aiding in supervisory control systems
[NASA-CR-187331] 02 p0248 N91-11380
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
The delta-Sobolev approach for modeling solar spectral irradiance and radiance 02 p0294 N91-11650
A novel approach for analyzing supersonic high Reynolds number flows with separation
03 p0299 N91-11668
Unsteady vortex lattice aerodynamics for rotor aeroelasticity in hover and in forward flight
03 p0300 N91-11671
A method of computing the aerodynamic interactions of a rotor-fuselage configuration in forward flight
03 p0311 N91-11746
SKITTER foot design
[NASA-CR-184932] 03 p0319 N91-11782
Measurement of correlations involving pressure in a turbulent premixed flame 03 p0336 N91-11884
Guidance, navigation and control. Digital emulation technology laboratory. Volume 1, Task 1: Digital emulation technology laboratory
[AD-A225123] 04 p0474 N91-12649
Guidance, navigation and control. Digital emulation technology laboratory. Volume 4, Task 6: Parallel function processor development
[AD-A225126] 04 p0474 N91-12650
Guidance, navigation and control. Digital emulation technology laboratory. Volume 5, Tasks 4, 5, and 7: Software development and GN and C processor development
[AD-A225127] 04 p0475 N91-12651
An investigation of aircraft maneuverability and agility
[AD-A224587] 04 p0478 N91-12665
Micromechanical studies of crack growth in a ceramic matrix composite 04 p0496 N91-12756
A three-dimensional global dynamical and chemical model of methane 04 p0544 N91-13021
A complex permittivity and permeability measurement system for elevated temperatures
[NASA-CR-187240] 04 p0578 N91-13219
Nuclear structure from radioactive decay
[DE91-000932] 04 p0581 N91-13242
Analytical aerodynamic model of a high alpha research vehicle wind-tunnel model
[NASA-CR-187469] 05 p0614 N91-13404
Development of a full potential solver for rotor aerodynamics analysis 05 p0614 N91-13407
Guidance, navigation and control. Digital emulation technology laboratory. Volume 2, Task 2: Seeker emulator development
[AD-A225124] 05 p0618 N91-13429
Guidance, navigation and control. Digital emulation technology laboratory. Volume 3, Task 3: Special studies
[AD-A225125] 05 p0618 N91-13430
Periodic trim solutions with hp-version finite elements in time
[NASA-CR-187705] 05 p0622 N91-13449
Pioneer-Venus radio occultation (ORO) data reduction: Profiles of 13 cm absorptivity
[NASA-CR-186986] 05 p0646 N91-13584
A complex permittivity and permeability measurement system for elevated temperatures
[NASA-CR-186916] 05 p0650 N91-13609
High efficiency cadmium and zinc telluride-based thin film solar cells
[DE91-002112] 06 p0840 N91-14643
An investigation of the diffraction of an acoustic plane wave by a curved surface of finite impedance
06 p0868 N91-14800
An investigation of helicopter individual blade control using optimal output feedback 07 p0946 N91-15184
Development of a two photon/laser induced fluorescence technique for the detection of atmospheric OH radicals
[NASA-CR-187724] 07 p1007 N91-15529
Weak formulations in analytical dynamics, with applications to multi-rigid-body systems, using time finite elements 07 p1014 N91-15567
Two Point Exponential Approximation Method for structural optimization of problems with frequency constraints
[NASA-CR-187800] 07 p1020 N91-15603
Optimal guidance law development for an advanced launch system
[NASA-CR-187652] 07 p1047 N91-15749
Fundamental studies with a monodisperse aerosol-based liquid chromatography/mass spectrometry interface (MAGIC-LC/MS)
[DE90-010667] 08 p1108 N91-16083
An analysis of body force effects on transient and steady-state performance of heat pipes
09 p1333 N91-17322
Coherent and random apparent stresses in periodically unsteady flows 09 p1336 N91-17336
Summary of recent research accomplishments on stochastic network processes
[AD-A228952] 09 p1388 N91-17633
Particle transport with ICRH and ECRH in tokamaks
[PB91-106005] 09 p1401 N91-17712
Lunar surface vehicle model competition
10 p1476 N91-18131
Bagging system, soil stabilization mat, and tent frame for a lunar base 10 p1476 N91-18132
Effect of different binders and additives on sandwich burning 10 p1492 N91-18212
Fundamental studies with a monodisperse aerosol-based Liquid Chromatography/Mass Spectrometry interface (MAGIC-LC/MS)
[DE91-004875] 10 p1496 N91-18233
Design, performance evaluation, and investigation of the theoretical capabilities of the NASA Millimeter-wave Imaging Radiometer (MIR)
[NASA-CR-187984] 11 p1707 N91-19398
Use of system identification techniques for improving airframe finite element models using test data
[NASA-CR-188041] 11 p1777 N91-19750
Frequency response of a supported thermocouple wire: Effects of axial conduction
[NASA-CR-188069] 12 p1901 N91-20457
The organic chemistry of conducting polymers
[DE91-009520] 13 p2056 N91-21316
Frequency response of a supported thermocouple wire: Effects of axial conduction
[NASA-CR-188101] 13 p2088 N91-21489
Statistical fluctuations in lasers
[DE91-009540] 13 p2092 N91-21517
Acquisition and production of skilled behavior in dynamic decision-making tasks
[NASA-CR-188084] 13 p2164 N91-21939
Laboratory evaluation and application of microwave absorption properties under simulated conditions for planetary atmospheres
[NASA-CR-188096] 13 p2182 N91-22057
Research directions in database security, 2
[AD-A231878] 14 p2341 N91-22943
High temperature membranes for H2S and SO2 separations
[DE91-008534] 15 p2397 N91-23275
High shear stress rheology of liquid lubricants
15 p2403 N91-23309
Fractal image compression of Rayleigh, Raman, LIF and LDV data in turbulent reacting flows
[AD-A232237] 15 p2428 N91-23449
Signals and noise in lasers and atom-field interactions
15 p2432 N91-23475
Data transfer over multiplexed logical data links sharing a single physical circuit 15 p2482 N91-23734
Aerodynamic interactions between bodies in relative motion 16 p2545 N91-24103
An efficient hybrid scheme for the solution of rotational flow around advanced propellers
16 p2545 N91-24104
Driving of axial acoustic fields by sidewall-stabilized diffusion flames 16 p2592 N91-24363
Boundary element methods for linear and nonlinear solid mechanics problems; and fracture toughness enhancement mechanisms in ceramic materials
16 p2604 N91-24428
Noise in semiconductor lasers
16 p2631 N91-24567
Crystallization of proteins by dynamic control of supersaturation
[NASA-CR-188193] 16 p2693 N91-24909
Time-domain finite elements in optimal control with application to launch-vehicle guidance
[NASA-CR-4376] 17 p2738 N91-25158
Pulse combustion engineering research laboratory
[PB91-157271] 17 p2756 N91-25253
Studies in modeling, dynamics, and control of space structures
[AD-A235059] 18 p2935 N91-26190
Cyclic deformation, damage, and effects of environment in the Ni3Al ordered alloy at elevated temperature
[AD-A235168] 18 p2954 N91-26304
Analysis of knowledge-based expert systems as tools for construction design
[AD-A234473] 18 p2972 N91-26404
Improved algorithms for transient and steady-state fluid-structure interaction
[AD-A235172] 18 p2984 N91-26476
Evaluation of slot allocation strategies for TDMA protocols in packet radio networks
[AD-A236518] 19 p3151 N91-27420
Actively controlled shaft seals for aerospace applications
[NASA-CR-188642] 19 p3173 N91-27545
Automatic information processing and high-performance skills: Principles of consistency, part-task training, context, retention, and complex task performance
[AD-A235944] 19 p3213 N91-27761
A review of momentum confinement in tokamak plasmas
[PB91-164087] 19 p3250 N91-27975
Stability of cylindrical laminates by higher orde r shear deformable theories 20 p3364 N91-28638
A cloud fraction and radiative transfer model
20 p3376 N91-28706
Unsteady compressible lifting surface analysis for rotary wings using velocity potential modes
21 p3456 N91-29170
Investigation of the flame-acoustic wave interaction during axial solid rocket instabilities
[AD-A237851] 21 p3466 N91-29223
Investigation of the combustion of liquid fuels in Rijke type pulse combustors
[DE90-012490] 21 p3493 N91-29381
Signal processing in impulsive electromagnetic interference
[AD-A237612] 21 p3499 N91-29416
Nonlinear dynamics of Josephson junction parametric amplifier arrays
[AD-A237451] 21 p3505 N91-29454
A study of the relationship between macroscopic measures and physical processes occurring during N00014-89-J-1708
[AD-A238423] 21 p3533 N91-29627
An experimental investigation of the leading edge of diffusion flames 22 p3610 N91-30084
Dynamic stall of circulation control airfoils
22 p3611 N91-30087
Active control of smart structures: Theory and experiment 22 p3622 N91-30151

Manipulation strategies for massive space payloads
[NASA-CR-188722] 22 p3687 N91-30524
Control of a flexible bracing manipulator: Integration of current research work to realize the bracing manipulator
22 p3687 N91-30525
Control of a small working robot on a large flexible manipulator for suppressing vibrations: Development of a robust control law for flexible robot and it's stability analysis 22 p3687 N91-30526
Control strategy for cooperating disparate manipulators: Non-colocated control of disturbances of a flexible arm
22 p3687 N91-30527
An inverse dynamic tracking control for bracing a flexible manipulator 22 p3687 N91-30528
Experimental investigations of the effects of cutting angle on chattering of a flexible manipulator
22 p3687 N91-30529
Planning and executing motions for multibody systems in free-fall 22 p3688 N91-30530
A search for strange attractors in the saturation of middle atmosphere gravity waves 22 p3705 N91-30623
Millimeter-wave spectra of the Jovian planets
[NASA-CR-188712] 22 p3775 N91-31053
Time domain finite elements in optimal control with application to launch vehicle guidance
24 p3965 N91-32156
Failure mechanisms and prediction in advanced composite materials 24 p3971 N91-32184
Additions to Mars Global Reference Atmospheric Model (Mars-GRAM)
[NASA-CR-188924] 24 p4123 N91-33045

GEORGIA STATE UNIV., ATLANTA.
M51: The Whirlpool Galaxy, analysis and simulation
02 p0291 N91-11631
Numerical simulations of supersonic extragalactic radio jets 02 p0296 N91-11660
Model-based displays for satellite ground control
12 p1946 N91-20704
ALLY: An operator's associate for satellite ground control systems 12 p1946 N91-20706
OFMspert: An architecture for an operator's associate that evolves to an intelligent tutor
12 p1947 N91-20708
Light particle emissions in heavy ion reactions
[DE91-010746] 15 p2504 N91-23871
Applications of speckle interferometry and speckle photometry to the Hyades cluster
15 p2526 N91-24001
The time scales of the optical variability of blazars
16 p2701 N91-24957
Assessment and development of software engineering tools
[AD-A233471] 17 p2829 N91-25627
Colliding stellar winds in O-type close binary systems
[NASA-CR-188610] 17 p2891 N91-25981
Tomographic separation of composite spectra. The components of Plaskett's Star
[NASA-CR-184665] 19 p3263 N91-28050

GEORGIA TECH RESEARCH INST., ATLANTA.
Development of continuous fiber reinforced silicon nitride
[DE91-001156] 04 p0498 N91-12764
The development of a research environment for neural networks: Instantiating neocognitions
[AD-A231995] 14 p2317 N91-22799
LDEF active optical system components experiment
16 p2721 N91-25069
Theoretical studies of hydrocarbon combustion chemistry
[DE91-010620] 17 p2757 N91-25260
Advanced Microwave Precipitation Radiometer (AMPR) for remote observation of precipitation
[NASA-CR-184165] 18 p3016 N91-26655
Development of iterative techniques for the solution of unsteady compressible viscous flows
[NAS 1.26:188734] 19 p3165 N91-27503
An updated catalog of 318 social surveys of residents' reactions to environmental noise (1943-1989)
[NASA-CR-187553] 19 p3240 N91-27916
Infrared power cells for satellite power conversion
[NASA-CR-188723] 22 p3699 N91-30594

GEORGIA UNIV., ATHENS.
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-187696] 06 p0840 N91-14639
Dynamics of strong-coupling models for cuprate superconductors: Exact results on finite lattices
[DE90-011155] 08 p1233 N91-16796
High energy hadron-hadron collisions
[DE91-006387] 09 p1397 N91-17688
Optical studies of dynamical processes in disordered materials
[DE91-006483] 09 p1399 N91-17702
CarbBank and the complex carbohydrate structure database
[DE91-009872] 16 p2699 N91-24948
The metabolism of hydrogen by extremely thermophilic bacteria
[DE91-011031] 17 p2817 N91-25569
Electronic software submittal/distribution
18 p3080 N91-27033
COSMIC: Software catalog 1991 edition diskette format 18 p3081 N91-27036
Using the TIMS to estimate evapotranspiration from a forest
[NASA-CR-188729] 21 p3534 N91-29636
Microbiology and physiology of anaerobic fermentations of cellulose
[DE91-015239] 21 p3548 N91-29712
High bandwidth diagnosis within the framework of a microcomputer-based intelligent tutoring system
[AD-A237959] 21 p3563 N91-29805
COSMIC software catalog, 1991 edition
[NASA-CR-187366] 22 p3727 N91-30745

GEORGIA UNIV., GRIFFIN.
Comparison of ground and satellite based measurements of the fraction of photosynthetically active radiation intercepted by tall-grass prairie
[NASA-CR-185476] 09 p1354 N91-17437

GERMAN NATIONAL RESEARCH CENTER FOR COMPUTER SCIENCE, WASHINGTON, DC.
Promotion of information technology research: German and European strategies. Proceedings of a forum at the Embassy of the Federal Republic of Germany
[PB91-188300] 22 p3767 N91-30998

GESELLSCHAFT FUER STRAHLEN- UND UMWELTFORSCHUNG M.B.H., MUNICH (GERMANY, F.R.).
Information system for environmental chemicals
[GSF-BER-21/90] 15 p2524 N91-23990

GHENT UNIV. (BELGIUM).
Thickness variations during MOVPE growth on patterned substrates
[AD-A229685] 12 p1990 N91-20951

GHG CORP., HOUSTON, TX.
AdaNET Dynamic Software Inventory (DSI) prototype component acquisition plan
[NASA-CR-187309] 04 p0557 N91-13090
AdaNET prototype library administration manual
[NASA-CR-187404] 04 p0559 N91-13101
AdaNET phase 0 support for the AdaNET Dynamic Software Inventory (DSI) management system prototype. Catalog of available reusable software components
[NASA-CR-187405] 04 p0559 N91-13102

GIANNOTTI AND ASSOCIATES, INC., ANNAPOLIS, MD.
Development of an onboard strain recorder
[AD-A231908] 14 p2267 N91-22543
Corrosion experience data requirements
[PB91-169748] 19 p3135 N91-27323

GIBBEL CORP., PALOS VERDES ESTATES, CA.
Thermal/vacuum vs. thermal atmospheric testing of space flight electronic assemblies
11 p1661 N91-19154

GIESSEN UNIV. (GERMANY, F.R.).
Biological action of single accelerated heavy ions on individual yeast cells 11 p1760 N91-19683
Mutation induction in dried yeast cells after irradiation with selected UVC- and UVB- wavelengths compared to simulated sunlight 11 p1760 N91-19686
Potentials, message and challenges of life science research in space 11 p1762 N91-19696
Flows in melts and Marangoni convection
14 p2333 N91-22890
Measurement of the critical Ma number versus Pr number in floating zone 14 p2335 N91-22906

GIFFORD (F. A.), OAK RIDGE, TN.
The structure of atmospheric diffusion at regional scales
[AD-A233153] 16 p2657 N91-24703

GIFU UNIV. (JAPAN).
Finite beta equilibrium for a pressure configuration
20 p3411 N91-28909

GINER, INC., WALTHAM, MA.
Corrosion-resistant catalyst supports for phosphoric acid fuel cells
[DE91-001713] 05 p0682 N91-13794
Improved anode catalysts for coal gas-fueled phosphoric acid fuel cells
[DE90-009683] 08 p1170 N91-16442
Oxygen electrodes for rechargeable alkaline fuel cells, 3 24 p4038 N91-32561

GKSS-FORSCHUNGSZENTRUM GEESTHACHT (GERMANY, F.R.).
Higher accuracy requirements for the satisfactory position calculation of an artificial satellite
[GKSS-90/E/25] 15 p2386 N91-23203

GLASGOW UNIV. (SCOTLAND).
Integrated optical components for optical fibre sensors
02 p0270 N91-11519
Information management: A uniform conceptual model and its user interface 20 p3439 N91-29084
The elastoplastic buckling strength of imperfect hemispheres and their reliability
22 p3693 N91-30560
Gravitational wave research 23 p3894 N91-31732

GLASSTECH SOLAR, INC., GOLDEN, CO.
Amorphous silicon solar cells prepared at high deposition rates
[DE90-000371] 04 p0543 N91-13012
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591

GLAVKOSMOS, MOSCOW (USSR).
Flight control during investigations on board specialized space module of the 'Gamma' project
14 p2213 N91-22229

GOETTINGEN UNIV. (GERMANY, F.R.).
The interacting pair Mkn 305/306
08 p1246 N91-16864
Spectrometric, chemical, and cosmological development of galaxies
[ETN-91-98555] 08 p1266 N91-16972
Diffusion of Ni in Cu-Au and Cu-Al alloys (TEXUS 20)
23 p3832 N91-31373

GOFFMAN (MARTIN) ASSOCIATES, EDISON, NJ.
Niobium nitride Josephson junction studies and devices
[AD-A233418] 16 p2621 N91-24512

GOLDSCHMIED (FABIO R.), MONROEVILLE, PA.
Aerodynamic transport efficiency of general aviation: An overview 04 p0460 N91-12573

GOLKA (ROBERT K., JR.) ASSOCIATES, BROCKTON, MA.
How to create ball lightning 24 p4068 N91-32728

GOOD SAMARITAN HOSPITAL AND MEDICAL CENTER, PORTLAND, OR.
Role of orientation reference selection in motion sickness
[NASA-CR-186612] 01 p0101 N91-10591
Relation between perception of vertical axis rotation and vestibulo-ocular reflex symmetry
[NASA-CR-187997] 11 p1765 N91-19710

GORDON (SANFORD), CLEVELAND, OH.
The Navy/NASA Engine Program (NNEP89): Interfacing the program for the calculation of complex Chemical Equilibrium Compositions (CEC)
[NASA-CR-187208] 24 p3962 N91-32141

GORDON RESEARCH CONFERENCES, INC., KINGSTON, RI.
Gordon Research Conference on Composites
[AD-A233778] 18 p2939 N91-26210

GOSUDARSTVENNYI KOMITET PO ISPOLZOVANIYU ATOMNOI ENERGII, MOSCOW (USSR).
Study of relativistic electrons at channeling in a beryllium thick crystals
[DE91-619859] 13 p2160 N91-21909

GOVERNMENT PRINTING OFFICE, WASHINGTON, DC.
US Congressional serial set catalog: Numerical lists and schedule of volumes; 99th Congress: 1985-1986: Entries and indexes
[PB90-171737] 01 p0135 N91-10797

GOVERNMENT-UNIV.-INDUSTRY RESEARCH ROUNDTABLE, WASHINGTON, DC.
Summary of interim reports submitted by grantee organizations participating in the Federal Demonstration Project
[DE91-013938] 22 p3763 N91-30979
Industrial perspectives on innovation and interactions with universities: Summary of interviews with senior industrial officials
[DE91-013939] 22 p3763 N91-30980
Research facility financing: Near-term options
[DE91-013940] 22 p3764 N91-30981
Survey to assess the usefulness of two model agreements for university-industry cooperative research
[DE91-013937] 23 p3934 N91-31985
What is the Federal Demonstration Project?
[DE91-013936] 23 p3934 N91-31986

GRACE (W. R.) AND CO., COLUMBIA, MD.
Reaction processing of ceramic particulate and whisker composites
[AD-A234951] 18 p2941 N91-26225

GRAZ UNIV. (AUSTRIA).
Is physiological tremor (microvibration) influenced by microgravity 11 p1745 N91-19595
A new principle for dynamic fluid shift investigations in astronauts 11 p1746 N91-19600

GREAT LAKES RESEARCH CORP., ELIZABETHTON, TN.
Long-term testing and evaluation of cathode components in a commercial aluminum cell, volume 1
[DE90-010896] 21 p3502 N91-29436

GREENE (ERIC) ASSOCIATES, INC., ANNAPOLIS, MD.
Use of fiber reinforced plastics in the marine industry
[AD-A230414] 12 p1862 N91-20232

GRENOBLE UNIV. (FRANCE).
Mathematical models of mixture properties: B-splines and optimization with form conditions
[ETN-90-97829] 02 p0262 N91-11462
GRENOBLE-1 UNIV. (FRANCE).
Adaptive and comparative study of the main variations of Karmarkar's algorithm
[ETN-90-98198] 04 p0566 N91-13145
Formal solutions to sets of ordinary homogeneous linear differential equations
[ETN-90-98199] 04 p0575 N91-13201
Logics for the description of processes and their properties: Expressivity and decidability
[ETN-91-98200] 05 p0710 N91-13960
Contribution to the study of the electrochemical refining of zinc in molten chloride environment
[ETN-91-98948] 12 p1870 N91-20278
Optimal multinode broadcast on a mesh connected graph with reduced bufferization
[RR-825-I] 15 p2413 N91-23362
Basic properties of strongly code disjoint checkers
[RR-824-I] 15 p2418 N91-23393
Automatic formal verification of VHDL descriptions: A first prototype
[RR-823-I] 15 p2480 N91-23726
Searching algorithms for the real roots of a Bezier function
[RR-834-I-AND-M] 15 p2484 N91-23755
Specifications for reusable software components
[RR-828-I-IMAG-116-LIFIA] 15 p2485 N91-23756
A method for handling complex Markov models of parallel systems
[RR-826-I] 15 p2488 N91-23778
Statistical process allocation in a parallel processing architecture
[RR-833-I] 15 p2489 N91-23779
Generalization of the FP2 parallel language by means of net theory
[RR-832-I-IMAG-99-LIFIA] 15 p2489 N91-23780
Q-splines
[RR-830-M] 15 p2493 N91-23808
Nilpotent normal form via Carleman linearization (for systems of ordinary differential equations)
[RR-838-M] 15 p2494 N91-23809
Congruence properties of the process equivalence induced by temporal logic
[RR-831-I-IMAG-118-LIFIA] 15 p2494 N91-23810
Optimal systolic network for Gaussian elimination
[RR-837-I] 15 p2496 N91-23822
Detection of outliers and robust estimation using fuzzy clustering
[RR-822-M] 15 p2496 N91-23823
A particular linear model of variance components
[RR-827-M] 15 p2496 N91-23824
Nonparametric estimation in change-point hazard rate models for censored data: A counting process approach
[RR-836-I-AND-M] 15 p2496 N91-23825
On a phonetic and structural encoding of Chinese characters in Chinese texts
[RR-835-I] 15 p2524 N91-23989
Infimal convolution equations solved using Moreau-Fenchel's conjugation method
[RR-829-M] 16 p2678 N91-24820
Cyclical games with prohibitions
[RR-821-M] 16 p2680 N91-24836
Distributed algorithms for the intersection of Bezier curves and surfaces
[ETN-91-99490] 22 p3730 N91-30766
Compilation and verification of LOTOS programs
[ISBN-2-7261-0621-8] 22 p3730 N91-30767
Fast algorithms for cross validation in nonlinear approximation problems
[ETN-91-99487] 22 p3747 N91-30886
Reasoning about constraints: Scheduling application
[ETN-91-99488] 22 p3764 N91-30985
A general logic model for information retrieval systems. Application to the RIME prototype
[ETN-91-99489] 22 p3767 N91-31005
GRONINGEN RIJKSUNIV. (NETHERLANDS).
A synthesis of time and frequency domain methods for the control of infinite-dimensional systems: A system theoretic approach
[W-8912] 02 p0261 N91-11456
The relation between knowledge and heuristic methods
[W-9001] 02 p0261 N91-11457
Asymptotic behavior of Laguerre polynomials with Re z less than 0 derived by the central limit theorem
[W-9004] 02 p0261 N91-11458
Quasi-periodic bifurcations, applications
[TW-8911] 02 p0261 N91-11459
On induced congruences
[CS-9001] 02 p0261 N91-11460
High-order implicit blending surfaces of low degree
[CS-9005] 02 p0262 N91-11461
The embedded objects in epsilon Cha I cloud
06 p0895 N91-14949
Calculation by computer: Overview
[CS-9007] 10 p1574 N91-18661
Some algorithms for the approximation of invariant tori
[W-9008] 10 p1574 N91-18662
H sub infinity-control with state feedback: The infinite dimensional case
[W-9015] 10 p1579 N91-18691
Generating triangulations of 2-manifolds
[CS-9008] 10 p1585 N91-18736
A note on Hankel operators for infinite-dimensional systems
[W-9002] 10 p1585 N91-18737
Interpolation problems, extensions of symmetric operators and reproducing kernel spaces, 2
[W-9005] 10 p1585 N91-18738
The Islamic mean: A peculiar L-statistic
[W-9013] 10 p1587 N91-18751
Activities report of the Kernfysisch Versneller Institute
[ETN-91-98764] 10 p1595 N91-18803
Smoothsort revisted
[CS-9009] 14 p2309 N91-22758
Specification of peephole optimisation
[CS-9011] 14 p2309 N91-22759
A note on improving utilization of disk space in a general purpose file system
[CS-9010] 14 p2341 N91-22945
The Islamic mean
[W-9006] 22 p3747 N91-30883
Three-dimensional Marangoni convection (MASER 1) ESA 23 p3827 N91-31343
Three-dimensional Marangoni convection (MASER 2) ESA 23 p3827 N91-31344
Artificial diffusion methods in convection dominated flows
[W-9016] 23 p3868 N91-31577
Omission of symbols
[CS-9101] 23 p3909 N91-31821
A simplification of Earley's algorithm
[CS-9102] 23 p3909 N91-31822
LR-parsing derived
[CS-9105] 23 p3909 N91-31823
A solution for the network database problem in an imperative language 23 p3915 N91-31864
Bifurcations of parametrically forced oscillators
[W-9007] 23 p3919 N91-31892
An extension of the potential method to higher-order blendings
[CS-9103] 23 p3919 N91-31893
On a theorem of MacMahon
[CS-9104] 23 p3920 N91-31894
Strong approximation on log dense sets
[W-9101] 23 p3922 N91-31916
GROUPEMENT D'INTEREST ECONOMIQUE, CERGY-SAINT CHRISTOPHE (FRANCE).
New technologies and customer acceptance
03 p0308 N91-11726
GRUMMAN AEROSPACE CORP., BETHPAGE, NY.
Piloted simulation verification of a control reconfiguration strategy for a fighter aircraft under impairments
04 p0486 N91-12700
Geometric and surface pressure restrictions in airfoil design 10 p1458 N91-18039
Transonic shock free wing design
10 p1458 N91-18040
Thermal control for the ground simulation of a space IR sensor system 11 p1659 N91-19140
Special requirements in the design of a sensor test and integration laboratory 11 p1659 N91-19141
Real time digital control and controlled structures experiments 14 p2232 N91-22344
Addendum to the DYCAST user's manual describing the curved, warp beam finite element
[NASA-CR-4362] 14 p2319 N91-22805
Thermoluminescent dosimeter measurements and analysis for LDEF experiment M0006
16 p2709 N91-24990
Effects of space environment on space-based radar phased-array antenna: Status and preliminary observations 16 p2723 N91-25083
Design and simulation of an advanced airborne early warning system 17 p2733 N91-25136
Computational simulations for fighter and hypersonic vehicle inlet-forebody interactions
17 p2773 N91-25347
Passive ranging of an airborne emitter by a single non-maneuvering or stationary sensor
[PATENT-1-254-292] 23 p3787 N91-31116
Torsion resistant grooved joint
[PATENT-1-258-589] 23 p3789 N91-31127
System and method for automatically fabricating multiple memory holographic elements
[PATENT-1-253-724] 23 p3872 N91-31600
Avioptic plug-in interconnection
[PATENT-1-254-415] 23 p3927 N91-31946
Effect of thermal exposure, forming, and welding on high-temperature, dispersion-strengthened aluminum alloy: Al-8Fe-1V-2Si
[NASA-CR-187575] 24 p3974 N91-32200
GRUMMAN AEROSPACE CORP., PRINCETON, NJ.
ICRF edge modeling
[DE91-014401] 21 p3497 N91-29403
GT-DEVICES, ALEXANDRIA, VA.
Heating of a liquid/vapor mixture by a pulsed electric discharge
[AD-A230272] 12 p1982 N91-20907
High pressure Mach 10 to 20 electrothermal hypersonic wind tunnel 16 p2578 N91-24288
GTE LABS., INC., WALTHAM, MA.
Analytical and experimental evaluation of joining silicon nitride to metal and silicon carbide to metal for advanced heat engine applications
[DE91-000535] 04 p0532 N91-12952
GUNMA UNIV., MAEBASHI (JAPAN).
Time resolved electron spectrum analyzer
19 p3248 N91-27965
Effect of pressure on mode transition point of partially relaxed states with peripheral loss
20 p3411 N91-28906
GUPTA (PRADEEP K.), INC., CLIFTON PARK, NY.
Modeling of stresses in coated solids
[AD-A227709] 07 p0970 N91-15323

H

HAHN-MEITNER-INST. G.M.B.H., BERLIN (GERMANY, F.R.).
Displacement threshold energy in GaAs determined by electrical and optical investigations
24 p3997 N91-32337
Total dose effects in MOS systems: Influence of the initial hydrogen distribution 24 p3997 N91-32338
Total dose study on LS-, ALS, and F-technology integrated circuits 24 p3999 N91-32354
Irradiation tests and radiation hardness prediction considerations on electronic components for space application 24 p3999 N91-32355
HAIFA UNIV. (ISRAEL).
Enhancing performance under stress by information about its expected duration
[AD-A225889] 04 p0554 N91-13071
HAMBURG UNIV. (GERMANY, F.R.).
Galactic structure in direction of Vela-Puppis by means of UBV beta observations
[ETN-91-98556] 08 p1266 N91-16973
Modification of tropospheric propagation conditions
10 p1553 N91-18543
The segregation behavior of AlBi, AlPb and AlIn monotectic alloys for different coding under gravity
14 p2335 N91-22909
Laser effects upon the structure and function of the eye as a function of different wavelengths
17 p2825 N91-25603
Solidification of a hypereutectic alloy (TEXUS 1)
23 p3837 N91-31399
HAMBURGER STERNWARTE G.M.B.H. (GERMANY, F.R.).
Winds in cool stars 09 p1429 N91-17869
The onset of cool stellar winds indicated by circumstellar Mg II absorption components 09 p1437 N91-17917
Supergiant chromospheres and cool coronae at the transition from cool to hot circumstellar matter
09 p1437 N91-17921
HAMILTON STANDARD, WINDSOR LOCKS, CT.
Measurement of unsteady blade surface pressure on a single rotation large scale advanced prop-fan with angular and wake inflow at Mach numbers from 0.02 to 0.70
[NASA-CR-182123] 01 p0011 N91-10065
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 1: Development of theory for blade loading, wakes, and noise
[NASA-CR-4329] 11 p1641 N91-19049
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 3: Application of theory for blade loading, wakes, noise, and wing shielding
[NASA-CR-185193] 15 p2500 N91-23850
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 4: Computer user's manual for UAAP turboprop aeroacoustic code
[NASA-CR-185194] 15 p2501 N91-23851
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 5: Propagation of propeller tone noise through a fuselage boundary layer
[NASA-CR-185195] 15 p2501 N91-23852
SPE (tm) water electrolyzers in support of mission from planet Earth 24 p4036 N91-32552

HAMPTON INST., VA.
Plasma puff initiation of high Coulomb transfer switches
[NASA-CR-187024] 01 p0124 N91-10735
HAMPTON UNIV., VA.
Iodoperfluorohexane as a lasant for iodine lasers
[NASA-CR-187434] 04 p0529 N91-12933
NASA/American Society for Engineering Education (ASEE) Summer Faculty Fellowship Program, 1990
[NASA-CR-182092] 04 p0593 N91-13309
Acoustic waves superimposed on incompressible flows 04 p0594 N91-13317
A study of the applicability of gallium arsenide and silicon carbide as aerospace sensor materials
04 p0595 N91-13320
A modified pump laser system to pump the titanium sapphire laser 04 p0598 N91-13335
Evaluation of on-board hydrogen storage methods f or high-speed aircraft
[NASA-CR-187755] 14 p2194 N91-22121
Kaon-nucleus scattering 19 p3270 N91-28086
A 10-watt CW photodissociation laser with IODO perfluoro-tert-butane 19 p3271 N91-28093
XeCl laser pumped iodine laser using t-C4F9I
19 p3275 N91-28117
HANS-SACHS-STR., GROEBENZELL (GERMANY, F.R.).
Cold start optimization on a military jet engine
23 p3792 N91-31151
HARDING COLL., SEARCY, AR.
Test images for the maximum entropy image restoration method 10 p1631 N91-18995
HARRIS CORP., MELBOURNE, FL.
Active nonlinear feedback control for aerospace systems: Processor
[AD-A231929] 14 p2196 N91-22130
Active and passive vibration suppression for space structures 14 p2231 N91-22343
High performance, accelerometer-based control of the Mini-MAST structure at Langley Research Center
[NASA-CR-4377] 16 p2565 N91-24222
Experimental verification of an innovative performance-validation methodology for large space systems
[AD-A237864] 21 p3465 N91-29214
HARRIS CORP., PALM BAY, FL.
Diffuse dispersive delay and the time convolution/attenuation of transients
24 p4068 N91-32730
HARRY DIAMOND LABS., ADELPHI, MD.
Signal-processing techniques for simulated wideband monopulse radar data
[AD-A225334] 03 p0357 N91-11998
The normal mode E- and H-field distribution in the concentric spherical cavity
[AD-A225388] 03 p0358 N91-12003
Mobility of nonequilibrium conduction electrons in air
[AD-A224909] 03 p0416 N91-12325
Millimeter-wave sensor image enhancement
[NASA-CR-187430] 05 p0662 N91-13679
Effect of laser fluctuations in automated solder joint inspection
[AD-A226685] 06 p0836 N91-14620
The fast Hartley transform
[AD-A230370] 13 p2070 N91-21400
Image recovery by simulated annealing
[AD-A230655] 13 p2153 N91-21869
Host materials for 4d(sup N) and 5d(sup N) transition-metal ions
[AD-A231606] 13 p2163 N91-21933
An electron-beam dose deposition experiment: TIGER 1-D simulation code versus thermoluminescent dosimetry
[AD-A234507] 18 p2979 N91-26447
Energy levels and branching ratios of Tm(3)+ in ten garnet laser materials
[AD-A235274] 18 p2991 N91-26514
Investigation of conformal coatings for electronic circuits
[AD-A236402] 19 p3159 N91-27462
Possible hosts for quadruply ionized 3d(sup N) transition metal ions: Na2TiSiO5, Y2SiBe2O7, Bi4X3O12, and Bi12XO20 (X = Si, Ge)
[AD-A236543] 19 p3255 N91-28007
Spike leakage and burnout of silicon PIN diode microwave limiters
[AD-A238392] 21 p3507 N91-29471
User's manual for DIODE
[AD-A237190] 21 p3555 N91-29752
A survey of techniques in Aided Target Recognition (ATR) from digital and optical perspectives
[AD-A238644] 21 p3604 N91-30052
Electron-beam-pinch experiment at Harry Diamond Laboratories: Providing for a high-dose-rate flash x ray facility for Transient Radiation Effects on Electronics (TREE) testing of pieceparts
[AD-A239558] 23 p3799 N91-31193
Analog-to-digital conversion techniques
[AD-A239469] 24 p4081 N91-32796
HARVARD SCHOOL OF PUBLIC HEALTH, BOSTON, MA.
Nitrogen dioxide and respiratory infection: Pilot investigations
[PB90-247339] 02 p0243 N91-11357
HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS, CAMBRIDGE, MA.
Studies of solar type stars 03 p0439 N91-12457
Disk mass densities in edge-on spiral galaxies
05 p0735 N91-14108
The hot and cold interstellar matter of early type galaxies and their radio emission 05 p0736 N91-14112
The onset of galactic winds in early-type galaxies
05 p0747 N91-14165
Gas flows in elliptical galaxies
05 p0748 N91-14170
Galaxy formation by dust 06 p0902 N91-14989
UV observations of x ray binaries
09 p1430 N91-17874
Long and short timescale variability of magnetic activity on the BY Dra star BD+26 deg 730
09 p1440 N91-17941
The Smithsonian Astrophysical Observatory submillimeter wave telescope array
13 p2175 N91-22009
Submillimeter water masers at 321 and 325 GHz
13 p2177 N91-22023
A CCD comparison of outer Jovian satellites and Trojan asteroids 17 p2895 N91-26001
An observational investigation of the comet-asteroid connection 17 p2915 N91-26094
Retrieval and molecule sensitivity studies for the global ozone monitoring experiment and the scanning imaging absorption spectrometer for atmospheric chartography
23 p3893 N91-31724
HARVARD UNIV., CAMBRIDGE, MA.
Crack-growth resistance in reinforced ceramic composites 02 p0226 N91-11261
Speckle imaging of complicated objects
02 p0288 N91-11617
Components of cosmic background radiation and their interaction with matter 03 p0450 N91-12512
Joint services electronics program
[AD-A225506] 04 p0518 N91-12683
Construction and local computation aspects of network belief functions
[NASA-CR-180334] 04 p0577 N91-13210
Perception and temporal properties of speech
[AD-A226958] 06 p0854 N91-14716
Simulations of biomolecular dynamics
[DE91-001977] 07 p1033 N91-15666
Effect of leads and quantum fluctuations in small superconducting tunnel junctions
[AD-A227311] 07 p1072 N91-15900
Streamwise vortices in laminar-turbulent transition
08 p1144 N91-16297
Continuum models of continental deformation
08 p1179 N91-16490
Dynamical properties of two-dimensional Josephson junction arrays 08 p1238 N91-16823
A model for load-transfer from an embedded fiber to an elastic matrix
[AD-A228466] 09 p1303 N91-17149
Cavitation and localization in plastic flow
09 p1333 N91-17321
Structure and stress of semiconductor surfaces
09 p1412 N91-17772
Report of the panel on earth structure and dynamics, section 6 13 p2106 N91-21595
Dynamics of oceanic motions
[AD-A231135] 13 p2124 N91-21693
Optimization of transparent and reflecting electrodes for amorphous silicon solar cells
[DE91-002132] 15 p2458 N91-23618
Keynote address: The past, present, and future of atomic time 17 p2850 N91-25756
Fundamental studies of carbenes and hydrocarbon radicals
[DE91-011029] 18 p2951 N91-26286
Supersonic pyrolysis jets for diamond film deposition
[AD-A236035] 19 p3140 N91-27354
Ceiling jet in fires
[PB91-167197] 19 p3146 N91-27386
Asymptotic distribution of the likelihood ratio test that a mixture of two binomials is a single binomial
[AD-A236714] 19 p3236 N91-27896
Numerical solutions for Bayes sequential decision approach to bioequivalence problem
[AD-A236707] 19 p3238 N91-27904
Observations of extragalactic water vapor masers
20 p3445 N91-29117
Multiple nuclei, cluster core dynamics, and the velocity distributions of gravitating systems
20 p3445 N91-29119
The role of microorganisms in marine corrosion
[AD-A237062] 21 p3481 N91-29308
Theoretical studies of long-range transport of oxidants
[PB91-182360] 21 p3539 N91-29661
Study of energy levels and decay mechanisms for Singlet Rydberg states of molecular nitrogen
[AD-A238156] 21 p3576 N91-29885
The effects of luminance boundaries on color perception
[AD-A237794] 21 p3582 N91-29925
Phase transitions in solid hydrogen at megabar pressures 22 p3647 N91-30295
A search for distant stars in the Milky Way Galaxy's halo and thick disk 22 p3771 N91-31027
Research in regression, information retrieval, inversion of noisy transforms, and stochastic control
[AD-A239490] 23 p3937 N91-32001
HATFIELD POLYTECHNIC (ENGLAND).
Optimisation algorithms for highly parallel computer architectures
[AD-A235911] 19 p3225 N91-27827
HAWAII NATURAL ENERGY INST., HONOLULU.
Hydrogen from renewable resources research
[DE91-005038] 09 p1355 N91-17441
HAWAII UNIV., HONOLULU.
High-spectral resolution observations of the 3.29 micron emission feature: Comparison to QCC and PAHs
06 p0891 N91-14925
Distribution of the 3.1 micron feature in Cepheus A
06 p0897 N91-14958
Far-IR and submillimeter radiation from cometary and circumstellar dust 10 p1621 N91-18940
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
Submillimeter observations of extragalactic objects in the wavelength range 50 microns to 1 mm
13 p2173 N91-21994
Submillimetre photometry of comets
13 p2181 N91-22052
Dynamics of small-scale oceanic motions
[AD-A231718] 14 p2292 N91-22674
Internal gravity waves at abrupt topography. ARI: Flow over abrupt topography
[AD-A231756] 14 p2292 N91-22675
A near-infrared search for brown dwarfs in the Pleiades 15 p2529 N91-24011
Composition and distribution of carbonates, sulfates, and hydrates on the Martian surface from earth-based spectroscopy between 3-5 microns
15 p2533 N91-24033
A search for very high-energy gamma rays from Cygnus X-3 15 p2535 N91-24039
Applications of advanced multichannel laser raman spectroscopy to problems in marine chemistry
[AD-A235504] 19 p3171 N91-27533
Normal mode decomposition of small-scale oceanic motions 20 p3377 N91-28709
HAWAII UNIV., MANOA.
Multi-level modulation codes and multi-stage decoding
[NASA-CR-186376] 03 p0350 N91-11953
On complexity of trellis structure of linear block codes
[NASA-CR-187397] 03 p0399 N91-12220
On space-based SETI 14 p2203 N91-22165
Concatenated coded modulation techniques
[NASA-CR-188216] 14 p2258 N91-22487
Tropical cyclone motion in the northwest Pacific Ocean, phase 1
[AD-A237455] 21 p3543 N91-29683
Multi-stage decoding for multi-level block modulation codes
[NASA-CR-188759] 22 p3727 N91-30747
Multi-dimensional modulation codes for fading channel
[NASA-CR-188959] 24 p3989 N91-32288
HAZELTINE CORP., GREENLAWN, NY.
Investigation of a multifrequency reconfigurable phased array antenna
[AD-A236422] 19 p3151 N91-27416
HEALTH EFFECTS RESEARCH LAB., RESEARCH TRIANGLE PARK, NC.
Ozone dosimetry predictions for humans and rats
[PB91-113852] 09 p1361 N91-17479
HEBREW UNIV., JERUSALEM (ISRAEL).
Supersymmetric matter at finite temperature
15 p2498 N91-23836
HEIDELBERG UNIV. (GERMANY, F.R.).
Model atmospheres for the early stages of novae in outburst 09 p1442 N91-17948
HELSINKI UNIV. (FINLAND).
The spectral energy distribution of the scattered light from dark clouds 06 p0889 N91-14911
H I and dust in the high latitude dark cloud L1642
06 p0895 N91-14946
Simulation of disk-disk encounters with co-moving polar grids 08 p1260 N91-16941

Role of bicarbonate in the actions of Gamma-Aminobutyric Acid (GABA) on membrane conductances, currents, and pH regulation in excitable cells
[ACTA-POLYTEC-SCAND-PH-172] 14 p2297 N91-22701

HELSINKI UNIV. OF TECHNOLOGY, ESPOO (FINLAND).
Variable-coherence beam optics
[ISBN-952-90-1784-7] 01 p0122 N91-10724
Advanced secondary batteries: Their applications, technological status, market and opportunity
[DE90-796146] 02 p0205 N91-11146
Millimeter-wave Schottky mixer receivers for applications in antenna measurements and radio astronomy
[REPT-S-185] 03 p0361 N91-12025
Interaction of the positron and the positronium atom with insulating fluids and solids
[PH-165] 03 p0417 N91-12331
Positron interactions on solid surfaces and at bilayered structures
[PH-166] 03 p0424 N91-12376
Blast vibration: Threshold values and vibration control
[CI-95] 04 p0536 N91-12970
A study of curved thin-walled girders
[CI-94] 04 p0538 N91-12984
Methods for computer-aided design of free-form objects
[MA-56] 05 p0703 N91-13921
IUE observations of the RS CVn-type binary alpha2CrB 09 p1439 N91-17931
Development of components and subsystems for low noise receivers at micro- and millimeter waves
[S-187] 11 p1700 N91-19363
A modelling of unsteady air flow in the resonance charging system of high speed diesel engines
[ACTA-POLYTEC-SCAND-ME-97] 11 p1717 N91-19454
Ultrasonic investigations on superfluid He-3-A and He-3-B
[ISBN-952-90-2241-7] 11 p1792 N91-19830
The electrochemistry of lead, antimony, and lead-antimony alloys in sulfuric acid solutions
[ETN-91-99261] 14 p2244 N91-22414
Analytical and numerical methods in electromagnetic diffraction problems
[REPT-76] 14 p2257 N91-22486
Texture classification and segmentation based on neural network methods
[ETN-91-99260] 14 p2321 N91-22819
An interactive robot control system 15 p2490 N91-23790
On the wavelength, time, and inclination variations on photographic exposures with applications to scanning imaging
[ETN-91-99507] 22 p3683 N91-30508
Models of intertemporal bargaining
[REPT-A-36] 22 p3748 N91-30894
Form-based approach to distributed cooperative work
[ACTA-POLYTEC-SCAND-MA-58] 22 p3768 N91-31008

HELSINKI UNIV. TECHNOLOGY, OTANIEMI (FINLAND).
Three-dimensional viscous/inviscid coupling in subsonic flow
[REPT-B-24] 01 p0005 N91-10023
Calculation of three-dimensional viscous/inviscid interaction in subsonic flow
[REPT-B-25] 01 p0005 N91-10024
Evaluation of the ZONA51D program
[REPT-B-28] 01 p0005 N91-10025
Multigrid solution for the Euler equations in axisymmetric flow
[REPT-B-17] 01 p0043 N91-10253
Computation of boundary layer flow using thin-layer Navier-Stokes equations with flux-vector splitting
[REPT-B-21] 01 p0043 N91-10254
Numerical simulation of transonic flow around airfoils at high Reynolds numbers using algebraic turbulence models
[B-29] 10 p1462 N91-18065

HERCULES, INC., RADFORD, VA.
Process and quality improvements for M7 propellant 16 p2577 N91-24285

HEWLETT-PACKARD LABS., PALO ALTO, CA.
The status of cesium beam frequency standards 17 p2851 N91-25758

HIGH TECHNOLOGY CORP., HAMPTON, VA.
Testing of transition-region models: Test cases and data
[NASA-CR-4371] 17 p2728 N91-25104

HIMEJI INST. OF TECH. (JAPAN).
Reduction of low energy components in pulse ion beam 11 p1801 N91-19889
Generation and focusing of carbon ion beam by the inverse pinch ion diode 11 p1801 N91-19890
Characteristics of ion beam generated with the 'point pinch diode' 19 p3249 N91-27969

HIROSAKI UNIV. (JAPAN).
The role of shear in the cosmological distance
[DE90-513788] 02 p0292 N91-11636

HIROSHIMA UNIV. (JAPAN).
Simulation study of MHD relaxation and reconnection processes 20 p3411 N91-28908
Study of kink instability and current relaxation by three dimensional macroscale particle simulation 20 p3412 N91-28919
Nonadiabatic behavior of the magnetic moment of a charged particle in a dipole magnetic field 20 p3412 N91-28920

HIROSHIMA UNIV., TAKEHARA (JAPAN).
Gravitational field of static and thick domain walls
[DE90-513706] 02 p0239 N91-11331
On a simple evaluation of anomalies from the path integral measure
[DE90-513707] 02 p0265 N91-11484
Application of the Ewald method to cosmological N-body simulations
[DE90-513789] 02 p0292 N91-11637
Cosmological N-body simulations with a treecode
[DE90-513790] 02 p0292 N91-11638
Microwave background anisotropies and the primordial spectrum of cosmological density fluctuations
[DE90-513791] 02 p0292 N91-11639
Topological aspects of classical and quantum (2+1)-dimensional gravity
[DE90-513792] 04 p0592 N91-13306
Some aspects of quantum groups and supergroups
[DE90-777884] 08 p1212 N91-16671
Observational relations in model universes dominated by domain-wall-like matter
[DE91-744969] 11 p1818 N91-19988

HITACHI LTD., TOKYO (JAPAN).
The status-quo and prospect of superconducting digital devices 05 p0723 N91-14039
CFD simulation on a massively parallel processor 13 p2068 N91-21387

HOCHSCHULE DER BUNDESWEHR, HAMBURG (GERMANY, F.R.).
Pores in aluminium alloys (TEXUS 3) 23 p3847 N91-31447

HOCHTEMPERATUR REAKTORBAU, JUELICH (GERMANY, F.R.).
Operating experience with a large hydraulic test facility 07 p0955 N91-15254

HOH AERONAUTICS, INC., LOMITA, CA.
Decision-height windows for decelerating approaches in helicopters: Pilot/vehicle factors and limitations
[DOT/FAA/CT-90/14] 19 p3103 N91-27145

HOKKAIDO UNIV. OF EDUCATION, IWAMIZAWA (JAPAN).
On charging of snow particles in blizzard 24 p4067 N91-32724

HOLLMING OY, RAUMA (FINLAND).
Aluminum welded structure fatigue tests 07 p1016 N91-15582

HOLOMETRIX, INC., CAMBRIDGE, MA.
Holographic optical head
[AD-A229192] 09 p1340 N91-17358

HONEYWELL, INC., BLOOMINGTON, MN.
Monolithic integration of semiconductor and superconductor components
[AD-A231464] 13 p2163 N91-21930
A 30 GHz monolithic receive module
[NASA-CR-187085] 15 p2410 N91-23346
Monolithic integration semiconductor and superconductor components
[AD-A234986] 18 p3069 N91-26959
Monolithic integration of semiconductor and superconductor components
[AD-A237946] 21 p3597 N91-30012

HONEYWELL, INC., CLEARWATER, FL.
A generic multi-flex-body dynamics, controls simulation tool for space station 14 p2228 N91-22321

HONEYWELL, INC., GLENDALE, AZ.
Gulfstream 4 flight management system 04 p0461 N91-12574
Magnetic suspension systems for space applications 13 p2035 N91-21189
Topex high-gain antenna system deployment actuator mechanism 16 p2641 N91-24618
Payload spin assembly for the commercial Titan launch vehicle 16 p2642 N91-24621

HONEYWELL, INC., GOLDEN VALLEY, MN.
DOS design/application tools, volume 1
[AD-A229053] 09 p1385 N91-17616
DOS design/application tools: Software top-level design document, volume 2
[AD-A229054] 09 p1385 N91-17617
DOS design/application tools: System/segment specification, volume 3
[AD-A229055] 09 p1385 N91-17618

HONEYWELL, INC., MINNEAPOLIS, MN.
Cockpit avionics integration and automation 02 p0162 N91-10938
Advanced topics in robust control. Volume 2: Invariants and structured singular values
[AD-A225219] 03 p0409 N91-12285
New accelerometers under development 03 p0431 N91-12415
Integrated diagnostics for fault-tolerant systems 04 p0484 N91-12694
Application of high-temperature superconductors to high-precision accelerometers 05 p0724 N91-14042
KBSA framework
[AD-A230621] 12 p1958 N91-20769
Navigation, guidance, and trajectory optimization for hypersonic vehicles 15 p2376 N91-23150
A new active virtual pivot six-degree-of-freedom hand controller for aerospace applications 16 p2642 N91-24625

HONEYWELL, INC., PHOENIX, AZ.
Flight experience with windshear detection 03 p0302 N91-11684
Interface standards for integrated forward-looking/predictive/reactive windshear systems 03 p0302 N91-11685
Analysis of guidance law performance using personal computers 03 p0305 N91-11697
The effect of windshear during takeoff roll on aircraft stopping distance 03 p0305 N91-11699
Integration of weather sensing devices 16 p2556 N91-24174
Temperature lapse rate as an adjunct to wind shear detection 16 p2557 N91-24184
ADS integration into the flight management computer 24 p3957 N91-32114

HONEYWELL ADVANCED TECHNOLOGY CENTRE, MARKHAM (ONTARIO).
NAVPACK: Simulation tools for design of high performance integrated navigation systems 07 p1046 N91-15739

HOPITAL BRETONNEAU, TOURS (FRANCE).
Ultrasound investigation of the cardiovascular system during the 25 days French-Soviet spaceflight (26 November - 21 December 1988) 11 p1742 N91-19577

HOPITAL D'INSTRUCTION DES ARMEES, VERSAILLES (FRANCE).
Continuous 24 hour ECG study, on ground and in flight, of 19 Mirage 2000 pilots stationed at the Dijon airbase (France). Comparison with similar recordings taken on other types of fighter aircraft or in operationally different conditions
[ETN-91-99973] 23 p3899 N91-31761

HOSEI UNIV., TOKYO (JAPAN).
Solution of inverse problem of fuzzy relational equation by using perceptron model 13 p2141 N91-21786

HOUSTON BAPTIST UNIV., TX.
Nonlinear systems dynamics in cardiovascular physiology: The heart rate delay map and lower body negative pressure 18 p3093 N91-27095

HOUSTON UNIV., CLEAR LAKE, TX.
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Final user's guide
[NASA-CR-187242] 04 p0489 N91-12715
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary test plan
[NASA-CR-187243] 04 p0489 N91-12716
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary ascent knowledge requirements
[NASA-CR-187244] 04 p0489 N91-12717
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Test report
[NASA-CR-187245] 04 p0489 N91-12718
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary user's guide
[NASA-CR-187246] 04 p0489 N91-12719
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: ONAV entry expert system code
[NASA-CR-187248] 04 p0489 N91-12720
A report on NASA software engineering and Ada training requirements
[NASA-CR-187390] 04 p0557 N91-13089
AdaNET Dynamic Software Inventory (DSI) prototype component acquisition plan
[NASA-CR-187309] 04 p0557 N91-13090
AdaNET executive summary
[NASA-CR-187383] 04 p0558 N91-13091
AdaNET research project
[NASA-CR-187389] 04 p0558 N91-13092

Data Management System (DMS) testbed user's manual development, volumes 1 and 2
[NASA-CR-187391] 04 p0558 N91-13093
Ada/POSIX binding: A focused Ada investigation
[NASA-CR-187398] 04 p0558 N91-13095
Storage management in Ada. Three reports. Volume 1: Storage management in Ada as a risk to the development of reliable software. Volume 2: Relevant aspects of language. Volume 3: Requirements of the language versus manifestations of current implementations
[NASA-CR-187401] 04 p0559 N91-13098
AdaNET prototype library administration manual
[NASA-CR-187404] 04 p0559 N91-13101
AdaNET phase 0 support for the AdaNET Dynamic Software inventory (DSI) management system prototype. Catalog of available reusable software components
[NASA-CR-187405] 04 p0559 N91-13102
Security for safety critical space borne systems
[NASA-CR-187656] 05 p0701 N91-13906
Hypermedia and visual technology
[NASA-CR-187933] 09 p1387 N91-17627
RICIS research 10 p1567 N91-18618
An overview of the artificial intelligence and expert systems component of RICIS 10 p1568 N91-18619
An overview of the information management component of RICIS 10 p1568 N91-18620
An overview of the mathematical and statistical analysis component of RICIS 10 p1568 N91-18621
An overview of the education and training component of RICIS 10 p1568 N91-18622
A model for addressing navigation limitations and metacognitive constraints in hypermedia training systems 13 p2165 N91-21945
Hypermedia as medium 13 p2166 N91-21952
From knowledge presentation to knowledge representation to knowledge construction: Future directions for hypermedia 13 p2167 N91-21954
Instructional authoring by direct manipulation of simulations: Exploratory applications of RAPIDS. RAPIDS 2 authoring manual
[NASA-CR-188591] 16 p2672 N91-24790
A research review of quality assessment for software
[NASA-CR-188240] 17 p2829 N91-25626
Software reuse issues affecting AdaNET
[NASA-CR-188597] 17 p2830 N91-25632
Framework programmable platform for the advanced software development workstation. Integration mechanism design document
[NASA-CR-188592] 17 p2830 N91-25636
Summary report for the Engineering Script Language (ESL)
[NASA-CR-188587] 17 p2831 N91-25639
AdaNET key issues summary report
[NASA-CR-188241] 17 p2838 N91-25685
Cooperative processing user interfaces for AdaNET
[NASA-CR-188239] 17 p2838 N91-25686
User documentation for the MSK and OMS intelligent tutoring systems
[NASA-CR-188815] 24 p4085 N91-32823

HOUSTON UNIV., TX.
The effects of outcome and process feedback
[NASA-CR-187332] 01 p0103 N91-10595
A numerical study of unsteady flows past a circular cylinder 03 p0364 N91-12038
Spaceport aurora: An orbiting transportation node 10 p1476 N91-18133
In-situ resource utilization in the design of advanced lunar facilities 10 p1477 N91-18134
Research in accelerator physics (theory)
[DE91-006845] 10 p1595 N91-18801
The development of expertise using an intelligent computer-aided training system 12 p1944 N91-20693
An AI-based architecture of self-stabilizing fault tolerant distributed process control programs and its analysis 14 p2312 N91-22768
Theoretical studies of molecular collisions
[NASA-CR-188190] 14 p2325 N91-22846
Computations, properties, and applications of matrix-valued functions to mathematical science and control systems
[AD-A232448] 15 p2495 N91-23819
A gauge-theoretical approach to mechanical systems 17 p2783 N91-25398
Production of solar photovoltaic cells on the Moon 17 p2905 N91-26044
Solar cells for lunar applications by vacuum evaporation of lunar regolith materials 17 p2906 N91-26047
Basic studies of microstructure of combusting turbulent flows
[AD-A234222] 18 p2983 N91-26471
NASA/ASEE Summer Faculty Fellowship Program, 1990, Volume 1
[NASA-CR-185637-VOL-1] 18 p3091 N91-27088
Compound estimation procedures in reliability 18 p3091 N91-27090
Training effectiveness of an intelligent tutoring system for a propulsion console trainer 18 p3093 N91-27097
NASA/ASEE Summer Faculty Fellowship Program, 1990, volume 2
[NASA-CR-185637-VOL-2] 18 p3094 N91-27103
Fuzzy logic control system to provide autonomous collision avoidance for Mars rover vehicle 18 p3095 N91-27106
Developing a taxonomy for mission architecture definition 18 p3095 N91-27108
Application of coherent structure and vortex sound theories to jet noise 22 p3750 N91-30902

HOWARD UNIV., WASHINGTON, DC.
Evaluation, development, and characterization of superconducting materials for space applications
[NASA-CR-187017] 01 p0129 N91-10763
Optimal control of systems with capacity: Related noises 14 p2226 N91-22310
Maneuver simulations of flexible spacecraft by solving TPBVP 14 p2229 N91-22328
Laser assisted CVD growth of AlN and GaN
[AD-A232379] 15 p2518 N91-23957
Structures of cyano-biphenyl liquid crystals 19 p3270 N91-28091
The UV photochemistry of C2N2 19 p3271 N91-28094
Characterization of quantum well structures using a photocathode electron microscope 19 p3275 N91-28118
Engineering management of large scale systems 19 p3276 N91-28122
Suggested criteria for evaluating systems engineering methodologies 19 p3277 N91-28127

HUBRECHT LAB., UTRECHT (NETHERLANDS).
Epidermal growth factor induced signal transduction in A431 cells is influenced by altered gravity conditions 11 p1750 N91-19623
Fertilization of Xenopus eggs in space 11 p1750 N91-19624

HUDSON PRODUCTS CORP., NY.
Engineering software development with HyperCard 13 p2165 N91-21942

HUGHES AIRCRAFT CO., AURORA, CO.
Attitude determination and calibration using a recursive maximum likelihood-based adaptive Kalman filter 09 p1290 N91-17088

HUGHES AIRCRAFT CO., CANOGA PARK, CA.
Flight control design issues in bank-to-turn missiles 05 p0620 N91-13437

HUGHES AIRCRAFT CO., EL SEGUNDO, CA.
High reliability megawatt transformer/rectifier
[NASA-CR-187079] 13 p2075 N91-21430
Control and dynamics of a flexible spacecraft during stationkeeping maneuvers 14 p2228 N91-22324
Investigation of polybenzocyclobutene resins in multilayer thin films for electronic packaging
[AD-A235223] 18 p2942 N91-26228

HUGHES AIRCRAFT CO., LOS ANGELES, CA.
High resolution microwave spectrometer sounder (HIMSS), volume 1, book 2
[NASA-CR-184130-VOL-1-BK-2] 14 p2267 N91-22541
High resolution microwave spectrometer sounder (HIMSS), volume 1, book 1
[NASA-CR-184129-VOL-1-BK-1] 14 p2267 N91-22542

HUGHES AIRCRAFT CO., TORRANCE, CA.
Low dark current photovoltaic multiquantum well long wavelength infrared detectors 06 p0796 N91-14396
MBE HgCdTe heterostructure detectors 06 p0797 N91-14402
InAs/Ga(1-x)In(x)Sb superlattices for infrared detector applications 06 p0798 N91-14407

HUGHES ASSOCIATES, INC., WHEATON, MD.
Manual fire suppression methods on typical machinery space spray fires
[AD-A225311] 03 p0349 N91-11950

HUGHES RESEARCH LABS., MALIBU, CA.
Possibilities for LWIR detectors using MBE-grown Si(/Si(1-x)Ge(x) structures 06 p0796 N91-14400
Applications research studies on microtubules
[AD-A228756] 08 p1128 N91-16205
Applications research studies of microtubules
[AD-A228832] 09 p1327 N91-17290
HOLLOTRON switch for megawatt lightweight space inverters
[NASA-CR-187083] 14 p2260 N91-22502
Nonlinear properties of novel materials
[AD-A231957] 14 p2331 N91-22881
Theory of novel nonlinear optics
[AD-A232659] 15 p2509 N91-23903
Development of Si/SiGe heterostructures
[AD-A232747] 15 p2518 N91-23961
Diode laser scaling using unconventional adaptive optics
[AD-A233060] 16 p2689 N91-24884
Real-time implementation of nonlinear optical data processing functions
[AD-A233521] 16 p2691 N91-24899

HUGHES SPACE AND COMMUNICATIONS GROUP, LOS ANGELES, CA.
High resolution Microwave Spectrometer Sounder (HIMSS) instrument program. Appendix: TRMM study (an instrument for NASA's tropical rainfall measuring mission)
[NASA-CR-184162] 17 p2813 N91-25548

HULBURT (E. O.) CENTER FOR SPACE RESEARCH, WASHINGTON, DC.
Preliminary results from the heavy ions in space experiment 16 p2710 N91-24995
GRO source candidates: (A) Nearby modest-size molecular clouds; (B) Pulsar with Wolf-Rayet companion that has lost its H-envelope
[NASA-CR-183491] 23 p3940 N91-32021

HULL UNIV. (ENGLAND).
Folded RF-excited CO2 waveguide lasers 05 p0665 N91-13695
Spectrum management and conservation 19 p3148 N91-27397
Combining of signals in a geographical diversity system 22 p3661 N91-30379
Distributed long-range radio systems employing multiple propagation mechanisms and an extended frequency range 22 p3661 N91-30380
A reliable multi-user distributive HF communications system using narrowband CDMA 22 p3661 N91-30381
A design testbed for distributed V/UHF networks with mobile terminals 22 p3661 N91-30382

HUMAN ENGINEERING LABS., ABERDEEN PROVING GROUND, MD.
An indexed bibliography on tracking
[AD-A226682] 05 p0695 N91-13870
The effects of display failures and symbol rotation on visual search and recognition performance
[AD-A235035] 18 p3033 N91-26743
The effects of character size, modulation, polarity, and font on reading and search performance in matrix-addressable displays
[AD-A235033] 18 p3077 N91-27007
The effect of rotation on legibility of dot-matrix characters
[AD-A235034] 18 p3077 N91-27008
The effects of user's training on the performance of an automatic speech recognizer for a self-paced task
[AD-A235844] 19 p3150 N91-27411
The effects of display failures, polarity, and clutter on visual search for symbols on cartographic images
[AD-A235703] 19 p3213 N91-27760
The effects of line and cell failures on reading and search performance using matrix-addressable displays
[AD-A235947] 19 p3213 N91-27762

HUMAN FACTORS SOLUTIONS, ROCKVILLE, MD.
Future North American air traffic control synergy human factors solution
[AD-A229255] 10 p1469 N91-18099

HUMAN RESOURCES RESEARCH ORGANIZATION, ALEXANDRIA, VA.
Research and methods for simulation design: State of the art
[AD-A230076] 12 p1930 N91-20623

HUMAN SYSTEMS DIV., BROOKS AFB, TX.
A comparison of three prospective analytical methods for benzene analysis in jet fuel environments
[AD-A227489] 08 p1122 N91-16170

HUMBUG MOUNTAIN RESEARCH LABS., DUARTE, CA.
Particle densitometer based on the acoustical resonance measurement
[DE91-009979] 16 p2630 N91-24562

HUNGARIAN ACADEMY OF SCIENCES, BUDAPEST.
High brightness electron beam production by laser induced various order multiphoton photoeffects of gold
[DE91-009150] 13 p2092 N91-21514

HYPRESS, INC., ELMSFORD, NY.
SQUID amplifiers for infrared detectors and other applications
[AD-A230247] 12 p1892 N91-20402
Superconducting high T(sub c) thin film vortex-flow transistor, phase 1
[AD-A235025] 18 p3070 N91-26962

I

IAT, MENLO PARK, CA
Automatic dependent surveillance benefit and cost analysis
[DOT/FAA/RD-90/34] 06 p0779 N91-14320

Automatic dependent surveillance benefit and cost analysis: Interim study results 24 p3959 N91-32123

IBARAKI UNIV., HITACHI (JAPAN).
Heat transfer characteristics of a radical heat pipe 08 p1140 N91-16276

IBIS TECHNOLOGY CORP., DANVERS, MA.
The advantages of silicon-on-insulator technologies for space environments 24 p3999 N91-32352

IBM FEDERAL SYSTEMS CENTER, GAITHERSBURG, MD.
SGML product review for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228476] 09 p1381 N91-17594
Information object modeling methodology for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228477] 09 p1381 N91-17595
SGML lessons learned for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228478] 09 p1381 N91-17596
STARS structure (DoD AAS IOM document version 1.3) for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228479] 09 p1382 N91-17597
User's manual for a prototype binding of ANSI-Standard SQL to Ada supporting the SAME methodology for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228480] 09 p1382 N91-17598
General definition of project (Ada/SQL binding) for the Software Technology for Adaptable, Reliable Systems (STARS)
[AD-A228481] 09 p1382 N91-17599
Software-first life cycle final definition for the Software Technology for Adaptable, Reliable Systems (STARS)
[AD-A228483] 09 p1382 N91-17600
Sample tailoring of 2167A DIDS for software-first life cycle
[AD-A228487] 09 p1382 N91-17601

IBM FEDERAL SYSTEMS DIV., COLORADO SPRINGS, CO.
Request Generation 2 mission planning and scheduling 12 p1941 N91-20676

IBM FEDERAL SYSTEMS DIV., GAITHERSBURG, MD.
Practical aspects of repository operations for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228455] 08 p1203 N91-16617
DTD creation for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228475] 08 p1204 N91-16619
STARS reusability guidelines
[AD-A228468] 09 p1380 N91-17588
Updated application blueprint definition for C3 for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228471] 09 p1380 N91-17591

IBM FEDERAL SYSTEMS DIV., MANASSAS, VA.
SAFENET 2 fiber optic implementation study
[AD-A238044] 21 p3582 N91-29929

IBM FEDERAL SYSTEMS DIV., OWEGO, NY.
A conceptual model for megaprogramming 14 p2304 N91-22730

IBM RESEARCH LAB., SAN JOSE, CA.
In situ FTIR study of the adsorption geometry of bisulfate ions on a platinum electrode
[AD-A229793] 12 p1866 N91-20250
In-situ surface x ray scattering measurements of electrochemically deposited bismuth on silver (III): Structure, compressibility, and comparison with ex-situ leed measurements
[AD-A232624] 15 p2505 N91-23880
Surface x ray scattering measurements of the substrate induced spatial modulation of an incommensurate adsorbed monolayer
[AD-A232625] 15 p2518 N91-23959
Electrochemical contact adsorption site changes driven by field and charge fact and theory
[AD-A237127] 21 p3474 N91-29269

IBM RESEARCH LAB., YORKTOWN HEIGHTS, NY.
Hypermedia = hypercommunication 13 p2166 N91-21953

ICF TECHNOLOGY, INC., FAIRFAX, VA.
Technology transfer needs assessment, 1990
[PB91-125674] 13 p2171 N91-21985

IDAHO NATIONAL ENGINEERING LAB., IDAHO FALLS.
Three-dimensional fluid flow in JFTOT (Jet Fuel Thermal Oxidation Tester)
[DE90-010929] 02 p0201 N91-11128
Coherent anti-Stokes Raman spectroscopic measurement of air entrainment in argon plasma jets
[DE91-001936] 05 p0660 N91-13670
High pulse rate interferometry using a ruby laser and a Cordin model 360 camera
[DE91-001882] 05 p0666 N91-13703
Second law analysis of advanced power generation systems using variable temperature heat sources
[DE91-001818] 05 p0683 N91-13799
Simultaneous measurement of Ni-Al particle size, velocity, and temperature in atmospheric thermal plasmas
[DE91-001935] 05 p0688 N91-13826
The human factors of quality and QA in R and D environments
[DE91-001913] 05 p0697 N91-13880
The design of a distributed image processing and dissemination system
[DE91-001835] 05 p0702 N91-13909
WordPerfect's toolbox: Formatting documents using styles and macros
[DE91-001884] 05 p0702 N91-13912
Ultrasound generation through a fiber optic delivery system using pulsed laser energy
[DE91-001914] 05 p0711 N91-13970
Unique features of space reactors
[DE91-001910] 05 p0714 N91-13987
Measurement of air entrainment in plasma jets
[DE91-001943] 05 p0719 N91-14013
Pressure fed nuclear thermal rockets for space missions
[DE91-001847] 07 p0965 N91-15302
Human system interaction measures: An approach to improve system performance
[DE91-001827] 07 p1035 N91-15679
PCB/transformer techno-economic analysis model: User manual, volume 2
[DE90-010654] 08 p1131 N91-16223
A convenient system for the manufacture of holographic diffraction gratings
[DE90-009481] 08 p1147 N91-16319
Microstructure and mechanical properties of P/M (Powder Metallurgy) Fe3Al alloys
[DE91-006132] 09 p1315 N91-17218
Examining human-system interactions: The HSYS (human system) methodology
[DE91-006150] 09 p1373 N91-17546
Occurrence of tungsten plasma in plasma spraying of WC/Co
[DE91-006111] 09 p1407 N91-17741
LTE (Local Thermodynamic Equilibrium) and non-LTE gas temperatures in loaded and unloaded plasmas during spraying of NiAl powders
[DE91-006127] 09 p1407 N91-17742
Behavior of alumina particles in atmospheric pressure plasma jets
[DE91-006147] 09 p1407 N91-17743
Acousto-optic signature analysis for inspection of the orbiter thermal protection tile bonds 10 p1487 N91-18196
The collaborative program of research in engineering science
[DE91-006741] 10 p1507 N91-18296
R5FORCE/MOD3s: A program to compute fluid induced forces using hydrodynamic output from the RELAP5/MOD3 code
[DE91-006209] 10 p1524 N91-18393
A model-based approach to intelligent control of gas metal arc welding
[DE91-006170] 10 p1532 N91-18439
Recommended methods for statistical analysis of data containing less-than-detectable measurements
[DE91-006102] 10 p1544 N91-18499
A proven knowledge-based approach to prioritizing process information 14 p2316 N91-22791
An analytical methodology to predict the coating characteristics of plasma-sprayed ceramic powders
[DE91-010088] 18 p2958 N91-26326
Advancing electric vehicle technology
[DE91-013004] 20 p3353 N91-28575
Environmental assessment for the FAA explosive detection system independent validation and verification program
[DE91-013190] 21 p3453 N91-29152

IDAHO NUCLEAR CORP., IDAHO FALLS.
Residual stress at fluid interfaces
[DE90-012964] 02 p0213 N91-11189

IDAHO UNIV., MOSCOW.
Generic interpreters and microprocessor verification 09 p1378 N91-17572
Preliminary greenhouse design for a Martian colony: Structural, solar collection, and light distribution systems 10 p1477 N91-18135
Investigation of the onset and development of vortex streets in steady and unsteady flows 14 p2263 N91-22518
Modal analysis of a fluid-filled elastic shell containing an elastic sphere 14 p2276 N91-22585

IFREMER, PARIS (FRANCE).
Satellite and aeronautical technologies serving the management of living marine resources 15 p2455 N91-23606

IGG COMPONENT TECHNOLOGY LTD., PORTSMOUTH (ENGLAND).
Upscreening of components for space applications 24 p4003 N91-32376
The merits of an independent pre-cap inspection 24 p4003 N91-32378

IIT RESEARCH INST., BARTLESVILLE, OK.
Determination of ideal-gas enthalpies of formation for key compounds: The 1988 project results
[DE90-000247] 01 p0134 N91-10791
ETBE in general aviation aircraft engines 04 p0459 N91-12565
Effects of degree of hydrolysis and shear on gelation reaction kinetics and gel strength
[DE91-002225] 12 p1877 N91-20315

IIT RESEARCH INST., CHICAGO, IL.
Corrosion of materials in Molten Carbonate Fuel Cells (MCFC)
[DE90-000484] 09 p1311 N91-17194
ELF communications system, ecological monitoring program: Summary of 1989 progress
[AD-A231497] 13 p2073 N91-21419
Adaptive interfaces
[AD-A235773] 19 p3221 N91-27804

IIT RESEARCH INST., LANHAM, MD.
Object-oriented software requirements specification for the UH-1 helicopter flight simulator
[AD-A225041] 03 p0317 N91-11774
Requirements for developing Embedded Real-Time Trusted Computer System (ERT-TCSs)
[AD-A234325] 18 p3037 N91-26762

ILLINOIS INST. OF TECH., CHICAGO.
Corrosion-resistant coatings for high-temperature high-sulfur activity applications
[DE90-016638] 01 p0030 N91-10177
Coupled experimental and theoretical investigations of instability, chaos and turbulence in an axisymmetric jet flow
[AD-A225971] 04 p0522 N91-12906
Adaptive mesh refinement for meshes with singular elements 08 p1163 N91-16406
Nonlinear stability of a viscous axisymmetric jet 09 p1331 N91-17313
Effect of dynamic plastic deformation on the normal penetration of metallic plates 09 p1347 N91-17399
A microcomputer-based information retrieval system with relational thesauri to support a medical expert system 09 p1420 N91-17817
Experimental and numerical analysis of the novel trapped-vortex pair and Coanda type fluidic oscillators for flow rate measurement 10 p1523 N91-18386
Electro optical system to measure strains at high temperature
[NASA-CR-188148] 13 p2088 N91-21492
Theoretical studies in elementary particle physics
[DE91-009543] 13 p2150 N91-21851
Rapid solidification of high-conductivity copper alloys
[NASA-CR-188614] 17 p2758 N91-25269
Microstructure, plastic deformation and mechanical properties of mechanically alloyed NiAl and NiAl based alloys
[AD-A235135] 18 p2954 N91-26303
The hysteresis and incremental collapse of complex structures: A paradigm for the fatigue failure of materials
[AD-A234831] 18 p2999 N91-26563
Flutter of laminated rectangular plates including finite deflection and shear deformation 20 p3364 N91-28639

ILLINOIS STATE WATER SURVEY, CHAMPAIGN.
A variational assimilation method for satellite and conventional data: Development of basic model for diagnosis of cyclone systems
[NASA-CR-188667] 19 p3202 N91-27701

ILLINOIS UNIV., CHAMPAIGN.
The structure and stability of three dimensional detonation waves
[AD-A224465] 02 p0208 N91-11164
Information extraction from visual displays and the event-related brain potential
[AD-A227063] 06 p0855 N91-14722
The object display: Principles and review of experimental findings
[AD-A226883] 06 p0867 N91-14796
The object display in decision making and judgment
[AD-A227059] 06 p0885 N91-14889
Plasma enhanced gas source molecular beam epitaxy deposition of high quality GaN
[AD-A230345] 12 p1988 N91-20942

ILLINOIS UNIV., CHICAGO.
The instability of combustion in propulsion engines 01 p0024 N91-10141
Micromechanics of semi-brittle ceramics 02 p0200 N91-11119
Instantaneous kinematics, motion planning and mechanical efficiency of a quadrupedal walking machine 02 p0218 N91-11218

Dynamic model error analysis of robot manipulators
02 p0218 N91-11220
On the foundations of beam theory
03 p0376 N91-12101
Evaluation of solid lubricants: The chemistry of sputtered MoSx films using combined thin film analysis techniques
[AD-A226134] 04 p0507 N91-12818
A study of the role of modules in the failure of systems
[AD-A225811] 04 p0533 N91-12959
Transport properties of dense fluid mixtures using nonequilibrium molecular dynamics
[DE91-000262] 05 p0658 N91-13654
Evaluation of expressions involving higher order derivations
[NASA-CR-187319] 05 p0708 N91-13949
Straddle design of spiral bevel and hypoid pinions and gears
[NASA-TM-103621] 06 p0833 N91-14602
A double wavelength interferometer for the study of heat and mass transfer in double diffusive systems
[DE90-011431] 09 p1338 N91-17348
Approximating multivariate normal orthant probabilities
[AD-A229129] 09 p1393 N91-17665
Thermomechanical processing of YBa2Cu3O(x)/Ag sheathed wires
[DE91-006548] 09 p1417 N91-17799
Local synthesis and tooth contact analysis of face-milled spiral bevel gears
[NASA-CR-4342] 11 p1714 N91-19439
Querying databases of trajectories of differential equations 2: Index functions 14 p2226 N91-22311
Supercomputer optimizations for stochastic optimal control applications 14 p2226 N91-22313
Wave gaits, follow-the-leader gaits and gait transitions of legged robots 15 p2437 N91-23503
Stress distribution at a three-dimensional singularity in anisotropic materials and composites
16 p2643 N91-24627
Anisotropic elliptic optical fibers
[NASA-CR-188233] 16 p2688 N91-24882
Scanning tunnelling microscope for boron surface studies
[AD-A234716] 18 p2979 N91-26452
Attention span, anxiety, and benzodiazepine receptors
[AD-A234549] 18 p3028 N91-26716
Underwater scattering of sound
[AD-A235097] 18 p3057 N91-26885
Alkyl azides, diazides, haloazides and bridged polycyclic diazides
[AD-A236202] 19 p3141 N91-27357
Determination of real machine-tool settings and minimization of real surface deviation by computerized inspection
[NASA-CR-4383] 19 p3173 N91-27546
Selected topics in mechanisms and robotics: Singularities, inverse kinematics, and collision detection
20 p3357 N91-28598
The symbolic computation and automatic analysis of trajectories
[NASA-CR-188159] 20 p3391 N91-28787
Using trees to compute approximate solutions to ordinary differential equations exactly
[LAC90-R24] 20 p3391 N91-28788
Bialgebra deformations and algebras of trees
20 p3391 N91-28790
Performance and stability in high speed articulated structures undergoing quick maneuvers: Theory and applications
[AD-A237857] 21 p3528 N91-29597
Interferometric tomography of high-speed aerodynamic flows
[AD-A229319] 22 p3609 N91-30078
A predicate/transition net model for artificial intelligence robot planning 22 p3741 N91-30840
Full-information item bi-factor analysis
[AD-A229346] 23 p3900 N91-31771

ILLINOIS UNIV., URBANA.

Analysis of delamination in fiber composite laminates out-of-plane under bending
[NASA-CR-186023] 01 p0021 N91-10122
CTR plasma engineering studies
[DE90-017774] 02 p0273 N91-11534
Parallel solution of sparse linear systems on a vector multiprocessor computer
[AD-A225377] 04 p0572 N91-13176
HI and FIR emission from S0 galaxies
05 p0736 N91-14111
A relationship between the integrated CO intensity and the radio continuum emission in spiral galaxies
05 p0744 N91-14146
A high resolution CO map of M51
05 p0755 N91-14203
Effects of turbulence on stationary and nonstationary processes in C-systems
[AD-A227067] 06 p0827 N91-14569
Two-dimensional simulation of quantum-well lasers including energy transport
[AD-A227487] 08 p1154 N91-16356
Integrated semiconductor modulators
[AD-A228615] 08 p1237 N91-16820
Star formation in infrared bright and infrared faint starburst interacting galaxies 08 p1253 N91-16901
Dynamical experiments on models of colliding disk galaxies 08 p1264 N91-16959
Stochastic dynamics and bifurcation behavior of nonlinear nonconservative systems in the presence of noise
[AD-A228923] 09 p1392 N91-17662
IUE observations of interacting starburst galaxies
09 p1446 N91-17978
Transformation toughening of composite ceramics
[AD-A229933] 12 p1872 N91-20288
Novel high speed devices and heterostructures prepared by molecular beam epitaxy
[AD-A230389] 12 p1989 N91-20945
GaAs/AlGaAs electronics and InGaAs(P) optoelectronics on InP substrates by gas source MBE
[AD-A230622] 12 p1991 N91-20957
VLA searches for formaldehyde and cyanoacetylene emission from comet P/Brorsen-Metcalf (1989o)
12 p2004 N91-21030
Grid generation strategies for turbomachinery configurations 13 p2016 N91-21091
Strength of polymer interfaces
[AD-A230839] 13 p2056 N91-21318
Adaptive output-feedback control of systems with output nonlinearities
[AD-A231249] 13 p2142 N91-21793
An approach to space power
14 p2200 N91-22147
The effect of propellant optical properties on composite solid propellant combustion
[AD-A231631] 14 p2253 N91-22463
Broad area distributed gain, distributed index profile GaAlAs semiconductor laser diodes
[AD-A232332] 15 p2433 N91-23483
Automated arc welding system
[AD-A232890] 16 p2635 N91-24585
Guidelines for design, construction, and evaluation of airport pavement drainage
[DOT/FAA/RD-90/31] 18 p2929 N91-26161
Spread spectrum communication networks
[AD-A233696] 18 p2972 N91-26409
On measures of misconception stability
[AD-A234952] 18 p3051 N91-26847
Computational methods and software for differential equations and their applications
[DE91-012172] 18 p3052 N91-26855
A procedure to detect item bias present simultaneously in several items
[AD-A235252] 18 p3053 N91-26862
Incrementally increasing the uncertainty-tolerance of robotic manipulation plans
[AD-A236852] 19 p3175 N91-27557
The asymptotic posterior normality of the latent trait in an IRT model
[AD-A236646] 19 p3238 N91-27903
Compile-time estimation of communication costs in multicomputers
[NASA-CR-188675] 20 p3384 N91-28747
Fault-tolerant computing: An overview
[NASA-CR-188793] 21 p3557 N91-29769
Performance implications of synchronization support for parallel FORTRAN programs
[AD-A238493] 21 p3561 N91-29790
Asymptotic and absorbing boundary conditions for finite element analysis of digital circuit and scattering problems
[AD-A229564] 22 p3666 N91-30414
Efficient evaluation of the inner products in the spectral domain analysis of microstrip discontinuities
[AD-A229607] 22 p3667 N91-30415

ILLINOIS UNIV., URBANA-CHAMPAIGN.

Deformation mechanisms in rapidly solidified aluminum alloys 02 p0196 N91-11096
Current density calculation using rectilinear region splitting algorithm for very large scale integration metal migration analysis
[AD-A224750] 03 p0359 N91-12008
The effects of atropine sulfate on aviator performance
[AD-A224916] 03 p0395 N91-12193
Reliable control of decentralized systems: An ARE-based H-infinity approach
[AD-A224749] 03 p0410 N91-12290
A study of electron-positron pair equilibria in models of compact X- and gamma-ray sources
03 p0449 N91-12508
A theoretical study of problems in classical nova evolution 04 p0608 N91-13384
Magnetic collimation of protostellar winds into bipolar outflows 05 p0751 N91-14182
Aluminum nitride-silicon carbide whisker composites: Processing, properties, and microstructural stability
[DE91-001907] 06 p0802 N91-14425
Modeling study of tropical nonsquall and squall clusters 06 p0849 N91-14685
An interferometric study of molecular emission around NGC 7538 at millimeter wavelengths
06 p0915 N91-15042
Parallel algorithms for placement and routing in VLSI design
[NASA-CR-187787] 07 p1051 N91-15770
Aerospace vehicle design, spacecraft section. Volume 1: Project groups 1-4
[NASA-CR-186841] 08 p1101 N91-16045
PFERD Mission: Pluto flyby exploration/research design 08 p1101 N91-16046
Intrepid: A mission to Pluto 08 p1101 N91-16047
Project Cerberus: Flyby mission to Pluto
08 p1101 N91-16048
OPTIC: Orbiting Plutonian Topographic Image Craft proposal for an unmanned mission to Pluto
08 p1102 N91-16049
Aerospace vehicle design, spacecraft section. Volume 2: Project groups 5-7
[NASA-CR-186842] 08 p1102 N91-16050
Mission management, planning, and cost: PULSE Attitude And Control Systems (AACS)
08 p1102 N91-16051
The Copernicus project 08 p1102 N91-16052
The Phoenix Pluto Probe 08 p1102 N91-16053
ICHARM: Hierarchical CMOS circuit extraction with power bus extraction
[AD-A228613] 08 p1135 N91-16245
Dynamic response of composite beams using shear-deformable finite elements
[AD-A227975] 08 p1164 N91-16408
An O(log n) time common CRCW pram algorithm for minimum spanning tree
[AD-A228740] 08 p1204 N91-16623
An experimental investigation of the two-stream, supersonic, near-wake flowfield behind a finite-thickness base 09 p1271 N91-16991
Towards intelligent finite element analysis
[AD-A228672] 09 p1389 N91-17641
Systematic design of adaptive controllers for feedback linearizable systems
[AD-A228739] 09 p1389 N91-17643
An unmanned probe to Pluto
10 p1477 N91-18136
Acousto-ultrasonic evaluation of ceramic matrix composite materials
[NASA-CR-187073] 10 p1533 N91-18443
Solution of the Navier-Stokes equations for a driven cavity
[NASA-CR-188008] 12 p1894 N91-20416
Coordination control of flexible manufacturing systems
14 p2254 N91-22468
Performance analysis of garbage collection and dynamic reordering in a Lisp system
[NASA-CR-188205] 15 p2482 N91-23738
A user-oriented synthetic workload generator
[NASA-CR-188197] 15 p2482 N91-23739
The effect of code expanding optimizations on instruction cache design
[NASA-CR-188467] 16 p2672 N91-24789
Parameter estimation in complex linear structures
[PB91-151076] 17 p2786 N91-25418
Effect of a viscoelastic interface on the transverse behavior of fiber-reinforced composites
[AD-A233986] 18 p2939 N91-26212
Development of a test system and experimental method for in-plane biaxial compressive deformation and failure of fiber composite materials
[AD-A234062] 18 p2940 N91-26214
A model for wet filament winding of composite cylinders with arbitrary thickness
[AD-A234102] 18 p2940 N91-26215
Interfacial slippage of a unidirectional fiber composite under longitudinal shearing
[AD-A234186] 18 p2940 N91-26216
Static and cyclic compressive fatigue of thermoplastic-matrix composite in ambient and moisture environments
[AD-A234187] 18 p2940 N91-26217
Nonlinear behavior of fiber composite materials and its effect on the postbuckling response of laminated plates
[AD-A234203] 18 p2940 N91-26218
Characterization studies of fluorinated epoxy resins: Naval experimental resin C8/1SA as a structural material and for use in blends and composites
[AD-A234188] 18 p2960 N91-26338
Analysis of passive and active discrete-distributed linear dynamical systems using Green's function methods
20 p3281 N91-28141
Robust bifurcation behavior in the presence of external random excitation 20 p3286 N91-28171

Hydrogen embrittlement of selected nickel and iron base superalloys 20 p3319 N91-28374
An experimental study of the effect of small particles on the fluid turbulence in fully developed flow of air in a horizontal pipe 20 p3345 N91-28525
Robust low-order control of flexible joint manipulators 20 p3355 N91-28584
Multiple frequency atmospheric radar techniques 20 p3372 N91-28683
Lidar studies of sporadic sodium layers, gravity waves and density spectra in the mesopause and stratopause regions at Urbana and Arecibo 20 p3373 N91-28690
Low-level curvature shear and supercell thunderstorm behavior 20 p3375 N91-28701
A numerical simulation of a tornado-scale vortex in a three-dimensional cloud model 20 p3376 N91-28705
Parallel input/output architectures for multiprocessors 20 p3383 N91-28740
Star formation in the presence of magnetic fields: Molecular cloud core formation and dynamical contraction due to ambipolar diffusion:; a simulation with axial symmetry 20 p3444 N91-29116
Numerical simulations of mass outflows from star-forming regions 20 p3446 N91-29123
Proton deceleration near the surface of an accreting neutron star 21 p3605 N91-30063
Structure and properties of titanium nitride-strengthened microlaminate metal matrix composites 22 p3642 N91-30270
Vibrational control: Application to a laser-illuminated reaction and extension to nonlinear functional differential equations 22 p3684 N91-30516
Joint Services Electronics Program
[AD-A239459] 23 p3862 N91-31536
Computing and data processing 24 p4120 N91-33028
Asymmetries in extragalactic radio sources 24 p4124 N91-33050

ILLINOIS UNIV. AT URBANA-CHAMPAIGN, SAVOY.
Compressive failure of thick-section composite laminates with and without cutouts subjected to biaxial loading 01 p0051 N91-10304
Numerical calculations for flows past an unconventional airfoil 02 p0158 N91-10916
Fluctuating concentrations in atmospheric dispersion 02 p0237 N91-11323
Basic dynamics of low frequency variability and the storm tracks 02 p0240 N91-11339
The transfer of polarized radiation in astrophysical masers in the presence of magnetic fields 02 p0290 N91-11629
An experimental investigation of compressible, turbulent mixing layers 03 p0362 N91-12029
Particle dispersion in isotropic turbulence and unsteady particle dynamics at finite Reynolds number 22 p3672 N91-30448
Optimal cooperative time-fixed impulsive rendezvous 24 p3965 N91-32153

IMATRAN VOIMA OY, HELSINKI (FINLAND).
The physiological effects of 50/60 Hz electromagnetic fields: Standards and guidelines
[DE91-752996] 13 p2127 N91-21705
An introduction to financial and economic analysis: Power projects in industrializing and non-industrialized countries
[DE91-752995] 13 p2170 N91-21976
Laser processing in power plants
[DE91-527088] 24 p4024 N91-32488

IMPERIAL COLL. OF SCIENCE AND TECHNOLOGY, LONDON (ENGLAND).
Multispacecraft measurement at varying scalelengths: The Cluster/Regatta opportunity 01 p0069 N91-10418
Review of the Cluster orbit and separation strategy: Consequence for measurements 01 p0070 N91-10420
Configurational sensitivity of multipoint magnetic field measurements 01 p0070 N91-10421
Wave by wave analysis of in-line force data for fixed cylinders in regular waves
[IC-AERO-89-02] 05 p0661 N91-13672
Computation of viscous supersonic flows 06 p0772 N91-14283
Infrared study of piston ring temperatures in a fired engine
[AD-A230136] 12 p1907 N91-20491
Finite element methods for integrated aerodynamic heating analysis
[NASA-CR-188079] 13 p2018 N91-21101
Finite element methods of analysis for 3D inviscid compressible flows
[NASA-CR-186271] 13 p2081 N91-21463
Design-analysis-test 16 p2646 N91-24646
Energy migration, motion and order in synthetic polymers
[AD-A234403] 18 p2961 N91-26346
Laser initiated ignition of liquid propellant
[AD-A233777] 18 p2968 N91-26388
Reciprocity theory of binary inelastic encounters
[IC-AERO-89-03] 24 p4012 N91-32425

IMPLANT SCIENCES CORP., DANVERS, MA.
Wear measurement of ceramic bearings in gas turbines
[AD-A227505] 08 p1159 N91-16382
Buried silicide interconnections with bonded wafers
[AD-A231884] 14 p2240 N91-22391

INDAL TECHNOLOGIES, INC., MISSISSAUGA (ONTARIO).
Experimental stress measurements for the modified Indal Series 6400 VAWT
[NAE-LTR-LA-310] 21 p3535 N91-29642

INDIAN INST. OF ASTROPHYSICS, BANGALORE.
Additional red and reddened stars in Cyg OB2 association 06 p0895 N91-14948
Polarization due to dust scattering in the planetary nebula Cn1-1 06 p0910 N91-15027
On a connection between supernova occurrence and tidal interaction in early type galaxies 08 p1254 N91-16903
Energy and angular momentum transfer in binary galaxies 08 p1260 N91-16940
Collisional removal of HI from the inner disks of Virgo cluster galaxies 08 p1262 N91-16952

INDIAN INST. OF SCIENCE, BANGALORE.
Orientation effects in the x ray emission from radio-loud quasars 09 p1445 N91-17968
Orientation effects in the optical-ultraviolet emission from radio quasars 09 p1445 N91-17969

INDIAN INST. OF TECH., KANPUR.
An integrated CAD system for design of testable VLSI circuits 04 p0560 N91-13106

INDIAN INST. OF TROPICAL METEOROLOGY, POONA.
A study of point discharge current observations in the thunderstorm environment at a tropical station during the year 1987 and 1988 24 p4067 N91-32721

INDIANA UNIV., BLOOMINGTON.
Violet and visual flux problems in red giant stars 02 p0291 N91-11632
Chromospheric variation and phase relation in M giants 09 p1437 N91-17918
The asymptotic degrees of freedom of fluid flows
[DE91-007548] 10 p1526 N91-18402
NASA/DoD aerospace knowledge diffusion research project. Paper 9: Information intermediaries and the transfer of aerospace Scientific and Technical Information (STI). A report from the field
[NASA-TM-103384] 13 p2167 N91-21959
Speech perception and production in severe environments
[AD-A231401] 14 p2256 N91-22477
Atmospheric transport and deposition of polychlorinated Dibenzo-P-Dioxins and Dibenzofurans
[PB91-144667] 16 p2655 N91-24688
NASA/DoD aerospace knowledge diffusion research project. Phase 3: Faculty and student respondents including frequency distributions
[NASA-TM-104086] 17 p2885 N91-25950
Vibrational spectroscopy of ordered oxygen adlayers on Ni/Cu(001) and Co/Cu(001) thin film systems
[AD-A235921] 19 p3125 N91-27265
Catalytic activity of model Pt/Al2O3 catalysts: The role of chlorine
[AD-A235946] 19 p3125 N91-27266
HREELS studies of Al adsorption on Si(111)
[AD-A235960] 19 p3253 N91-27994
NASA/DoD aerospace knowledge diffusion research project: The DoD perspective
[NASA-TM-101746] 19 p3260 N91-28033
Institute for the Study of Human Capabilities: Summary descriptions of research for the period December 1989 through September 1990
[AD-A237767] 21 p3550 N91-29726
High resolution electron energy loss studies of surface vibrations
[DE91-014539] 21 p3599 N91-30024
The relationship between the use of US government technical reports by US aerospace engineers and scientists and selected institutional and sociametric variables 23 p3935 N91-31989
A spectrophotometric study of the secondaries of Algol systems 23 p3937 N91-32005

INDIANA UNIV., INDIANAPOLIS.
Evaluation of bootstrap and parametric percentile contrasts. Volume 1: Splits analysis: A method for noncentral tendency comparisons
[AD-A230506] 12 p1970 N91-20838

INDIANA UNIV. OF PENNSYLVANIA, INDIANA, PA.
Support materials for the software technical review process
[AD-A236122] 19 p3228 N91-27843

INDIANA UNIV.-PURDUE UNIV., FORT WAYNE.
Rocket noise filtering system using digital filters 11 p1825 N91-20031

INDUSTRIAL RESEARCH INST., INC., NEW YORK, NY.
Industrial perspectives on innovation and interactions with universities: Summary of interviews with senior industrial officials
[DE91-013939] 22 p3763 N91-30980
Survey to assess the usefulness of two model agreements for university-industry cooperative research
[DE91-013937] 23 p3934 N91-31985

INDUSTRIEANLAGEN-BETRIEBSGESELLSCHAFT M.B.H., OTTOBRUNN (GERMANY, F.R.).
Data of a rectangular beam solar simulator 07 p0952 N91-15232
Multi-axis vibration simulation in space structures: Experiments with DFS/STM 07 p0955 N91-15253
Combining base-motion testing with techniques developed for point-force excitation for the modal identification of mechanical structures 07 p0956 N91-15257
New capabilities in modal testing on large-scale project level 07 p0956 N91-15258
Holography: A successful tool for distortion measurements on antennas under space simulation conditions 07 p0957 N91-15268
Residual gas analysis and leak rate measurements during thermal vacuum tests 07 p0958 N91-15271
Levelling of spacecraft equipped with heatpipes during space simulation tests 07 p0958 N91-15273
Development of a digital data acquisition and evaluation system for dynamic testing 07 p0959 N91-15280
Evaluation of airborne and settled particulate contamination in a controlled environment for spacecraft testing and molecular contamination measurements during spacecraft thermal vacuum tests 07 p0961 N91-15289
Pumpdown and repressurization procedure for thermal vacuum tests 07 p0961 N91-15290
Airbreathing propulsion for space transport: New concepts, special problems and attempts at solutions 15 p2377 N91-23154

INFERENCE CORP., EL SEGUNDO, CA.
A framework for building real-time expert systems 12 p1943 N91-20688
ART-Ada: An Ada-based expert system tool 12 p1945 N91-20698
Advanced Software Development Workstation Project, phase 3
[NASA-CR-188824] 24 p4086 N91-32828
Advanced software development workstation project ACCESS user's guide
[NASA-CR-188823] 24 p4086 N91-32829

INFO/TEK, WASHINGTON, DC.
The USAF STINFO program overview
[AD-A226969] 08 p1241 N91-16838
Document marking
[AD-A231150] 14 p2340 N91-22940
The value of STINFO
[AD-A232484] 15 p2525 N91-23996
Interacting with DTIC
[AD-A232485] 15 p2525 N91-23997

INFORMATION SYSTEMS AND TECHNOLOGY CENTER, WRIGHT-PATTERSON AFB, OH.
Ada compiler validation summary report: Certificate number: 900726W1.11019, Verdix Corporation, VADS prime EXL/320, UNIX system V/386 3.2, VAda-110-3232, version 6.0, prime EXL/320 greater than or equal to prime EXL/320
[AD-A233122] 16 p2669 N91-24769
Ada compiler validation summary report: Certification number: 900228W1.11001, Verdix Corporation, VAda-110-6161, version 6.0.2, DECstation 3100 greater than or equal to DECstation 3100
[AD-A233134] 16 p2669 N91-24770
Ada compiler validation summary report: Certification number: 9000703W1.11014, Silicon Graphics 4D ADA Iris-4D/380 (host) Iris-4D/380 (target)
[AD-A233714] 18 p3039 N91-26771
Ada compiler validation summary report: Certificate number 900703W1.11015, Silicon Graphics 4D Ada, Iris-4D/220S (host) Iris-4D/220S (target)
[AD-A233786] 18 p3039 N91-26776
Meridian Software Systems, Inc., Meridian Ada, version 4.1, Apple Macintosh 2 (host and target), 900909W1.11038.032
[AD-A235827] 19 p3223 N91-27817
Meridian Software Systems, Inc., Meridian Ada, version 4.1, Sun Microsystems 4/110 (host and target), 900909W1.11032
[AD-A235828] 19 p3223 N91-27818

Meridian Software Systems, Inc., Meridian Ada, version 4.1, DECstation 3100 (host and target), 900909W1.110033
[AD-A235829] 19 p3224 N91-27819
Meridian Software Systems, Inc., Meridian Ada, version 4.1, IBM PS/2 60 (host and target), 900909W1.11034
[AD-A235830] 19 p3224 N91-27820
Meridian Software Systems, Inc., Meridian Ada, version 4.1, IBM PS/2 30 (host and target), 900909W1.11035
[AD-A235831] 19 p3224 N91-27821
Meridian Software Systems, Inc., Meridian Ada, version 4.1, 80 Data 386/25 (host and target), 900909W1.11037
[AD-A235832] 19 p3224 N91-27822
Meridian Software Systems, Inc., Meridian Ada, version 4.1, ITT XTRA/286 (host and target), 900909W1.11036
[AD-A235833] 19 p3224 N91-27823
Meridian Software Systems, Inc., Meridian Ada, version 4.1, sun microsystem 3/260 (Host and target), 900909W1.11031
[AD-A236053] 19 p3227 N91-27836
Ada compiler validation summary report. Certificate number: 901128W1.11092, TeleSoft IBM Ada 370, version 1.1.0 IBM 4391 (host) IBM 4381 (target)
[AD-A236416] 19 p3229 N91-27849
Ada compiler validation summary report: Certification number: 901003W1.11039, Software Leverage, Inc. Tolerant Ada development system, version 6.0, Tolerant Eternity (host) Tolerant Eternity (target)
[AD-A236417] 19 p3229 N91-27850

INFORMATION-TECHNOLOGY PROMOTION AGENCY (JAPAN).
Information-Technology Promotion Agency, Japan: An introduction 09 p1421 N91-17824

INGERSOLL-RAND CO., PHILLIPSBURG, NJ.
Fluctuating pressures in pump diffuser and collector scrolls, part 1
[NASA-CR-183781] 16 p2628 N91-24554

INNOVATIVE ENGINEERING, INC., SANTA CLARA, CA.
Controlled decomposition and oxidation: A treatment method for gaseous process effluents 07 p1080 N91-15944

INNSBRUCK UNIV. (AUSTRIA).
Integration of SAR and DEM data: Geometrical considerations 07 p1023 N91-15618
Coordination of eye, head and arm movements in weightlessness 11 p1744 N91-19588
Neurological findings after 72 hours water immersion 11 p1745 N91-19597

INSTITUT D'AERONOMIE SPATIALE DE BELGIQUE, BRUSSELS.
Aeronomic chemistry of ozone
[AERONOMICA-ACTA-A-355-1990] 05 p0686 N91-13816
Ultraviolet absorption cross-sections of photoactive species of stratospheric interest. Part 1: The halocarbons
[ETN-91-98385] 05 p0688 N91-13830
Temperature dependence of ultraviolet absorption cross-sections of alternative chlorofluoroethanes
[AERONOMICA-ACTA-A-358-1991] 15 p2463 N91-23647
A method for solving Poisson's equation in geophysical and astrophysical plasma
[AERONOMICA-ACTA-A-357-1990] 15 p2513 N91-23925
Spring polar ozone behavior
[AERONOMICA-ACTA-A-359-1991] 22 p3704 N91-30615

INSTITUT D'ASTROPHYSIQUE, PARIS (FRANCE).
The inner part of the protoplanetary disk around Beta Pictoris 10 p1620 N91-18935

INSTITUT DE MECANIQUE DE GRENOBLE (FRANCE).
Satellite data utilization in ocean circulation models 15 p2453 N91-23593
Sea level and satellite techniques 15 p2453 N91-23595
Direct and large-eddy simulations of transition in the compressible boundary layer 23 p3867 N91-31566
Spectral large-eddy simulation of isotropic and stably-stratified turbulences 23 p3867 N91-31567

INSTITUT DE MECANIQUE DES FLUIDES DE LILLE (FRANCE).
Special design and gauging of anemoclinometric sondes
[IMFL-90/03] 23 p3873 N91-31604

INSTITUT DE RADIO ASTRONOMIE MILLIMETRIQUE, GRENOBLE (FRANCE).
CO excitation in four IR luminous galaxies 05 p0762 N91-14234

INSTITUT DE SOUDURE, PARIS (FRANCE).
Study of the metallurgical effects of hammering between passes during C-Mn weld deposition
[CETIM-104850] 05 p0637 N91-13532
Evaluation of the functional properties of welds on cold finished tubes defined as NF A 49.541
[CETIM-104700] 05 p0672 N91-13738
The effects of thermal treatment after welding on the functional properties of assemblies. Follow-up of the work on Cr-Mo
[CETIM-104720] 05 p0672 N91-13739
Study of the tensile strength of the melted zone of vertical welds carried out using electroslag welding on C-Mn steel. Further study on 80 mm thick plate
[CETIM-104730] 05 p0673 N91-13740
Study of the metallurgical consequences of hammering between passes to compensate for the withdrawal of metal caused by welding
[CETIM-104430] 05 p0673 N91-13741

INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, BREST (FRANCE).
Wind and sea state local climatology by means of satellite radar altimeter measurements 15 p2454 N91-23599

INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, LA SEYNE SUR MER.
Evaluation of multisensor fusion scheme for the localization of underwater remotely operated vehicles 15 p2453 N91-23590

INSTITUT FRANCO-ALLEMAND DE RECHERCHES, SAINT-LOUIS (FRANCE).
Modeling blade/vortex interactions
[ISL-R-107/89] 01 p0003 N91-10016
Measurement of air entrainment by a free jet using laser velocimetry and Raman scattering
[ISL-R-109/89] 01 p0003 N91-10017
Rotor loads computation using singularity methods and application to the noise prediction
[ISL-PU-301/90] 01 p0004 N91-10018
Fast steering of the angle of attack: A contribution to the guidance of high velocity projectiles
[ISL-CO-220/89] 01 p0009 N91-10050
The ISL hypersonic shock tunnel and its instrumentation
[ISL-CO-213/89] 01 p0014 N91-10086
Combustion diagnostics of propellants with sandwich structure
[ISL-CO-212/89] 01 p0032 N91-10189
Numerical simulation of electromagnetic acceleration by induction. Part 1: Thin loops
[ISL-R-102/89-PT-1] 01 p0035 N91-10205
Turbulent boundary layers in high enthalpy flows. Numerical code validation by shock tube experiments
[ISL-CO-221/89] 01 p0042 N91-10246
Velocity measurements in piston-induced turbulent boundary layers in a shock tube
[ISL-CO-235/89] 01 p0042 N91-10247
Investigation of pulsed laser target interaction processes by high-speed diagnostic techniques
[ISL-CO-234/89] 01 p0048 N91-10283
Particle additive effect on heat transfer caused by shock- and piston-induced turbulent boundary layer in shock tube
[ISL-CO-224/89] 03 p0366 N91-12048
Turbulent boundary layer influence on the flow field behind a shock wave in a shock tube
[ISL-CO-225/89] 03 p0366 N91-12049
Laser-Doppler velocimeter measurements of shock and piston induced turbulent boundary layer in a shock tube
[ISL-CO-227/89] 03 p0366 N91-12050
Multi-component laser Doppler anemometers with high-frequency pulsed diode lasers
[ISL-CO-219/89] 03 p0371 N91-12077
The influence of the comparison accuracy in dual-counter LDA signal processors on the measuring error
[ISL-CO-222/89] 03 p0371 N91-12078
Noise prediction for a three-dimensional blade/line vortex interaction
[ISL-CO-226/89] 03 p0415 N91-12322
Hypersonic aerodynamics of guided projectiles
[ISL-CO-259/88] 04 p0471 N91-12642
Tube erosion for 20 mm caliber at pressure up to 5000 bar: Analysis of the materials and their wear
[ISL-R-104/89] 04 p0506 N91-12807
Suggestions for supplementary examinations of LOVA
[ISL-CO-228/88] 04 p0512 N91-12847
Miniature laser Doppler anemometer with laser diode
[ISL-CO-224/88] 04 p0526 N91-12917
Thermocapillary convection in laser irradiated liquids
[ISL-CO-214/89] 04 p0530 N91-12942
Influence of thermocapillary convection on the temperature distribution and the geometry of the melt
[ISL-R-106/89] 04 p0530 N91-12943
Utilization of dynamic crushing tests in digital simulations
[ISL-CO-257/88] 04 p0538 N91-12981
Optimization of digital models for the description of the dynamic behavior of materials
[ISL-CO-258/88] 04 p0538 N91-12982
Mean and turbulent velocity measurements in a turbojet exhaust
[ISL-CO-244/89] 12 p1842 N91-20124
The laser-Doppler-velocimeter for flow diagnostics: Density and velocity measurements in post-piston boundary layer flow
[ISL-CO-208/90] 12 p1899 N91-20442
Experimental studies of high average power CO2-laser-induced thermomechanical processes
[ISL-CO-202/90] 12 p1905 N91-20481
Effect of non-rectangular blade tips on BVI noise for a two-bladed rotor
[ISL-CO-217/90] 12 p1975 N91-20866
Catalog of publications published at the French-German Institute of Research
[ETN-91-98910] 12 p1999 N91-21002
Infrared thermography for the qualitative aerodynamic study of a slender body
[ISL-R-122/89] 13 p2018 N91-21104
Practical methods to evaluate the friction drag coefficient of a projectile in free flight
[ISL-R-123/89] 13 p2018 N91-21105
Comparison study of the aerodynamic coefficients measured on models with circular or squared section and large elongation in supersonic flow
[ISL-R-125/89] 13 p2019 N91-21106
Deep overheating of thin bodies in flight with very low-angled trajectory
[ISL-R-126/89] 13 p2019 N91-21107
Possibilities of trajectory modification
[ISL-CO-209/90] 13 p2028 N91-21151
Considerations and studies for the construction of acceleration coils for inductive launchers
[ISL-CO-240/89] 13 p2032 N91-21173
Advantage of nonguided hypervelocity projectiles in antimissile warfare
[ISL-R-110/90] 13 p2032 N91-21174
Study of the absorption lines widened by the effect of pressure, emitted by the combustion gases of propulsive powders
[ISL-R-124/89] 13 p2043 N91-21237
Automatic program correction of interferometry quadratic sensor errors. Application to the processing of signals from a VISAR interferometer
[ISL-R-127/89] 13 p2143 N91-21799
Propagation of helicopter noise in the low atmosphere layers
[ISL-CO-203/90] 13 p2147 N91-21830
Calculation of thickness and charge noise radiated by a rotor in forward flight
[ISL-R-119/89] 13 p2148 N91-21831
Blade-wake interaction on a two blade rotor with prediction of the radiated noise stationary and forward flight, comparison between calculation, and experiment
[ISL-R-120/89] 13 p2148 N91-21832
Fundamentals of signal processing 23 p3875 N91-31617
Signal processing: Time domain and frequency domain 23 p3876 N91-31620
Review of typical applications. Part 1: Measurements in liquid flows, free jets, combustion, and in the atmosphere 23 p3877 N91-31631
Post-processing of data 23 p3877 N91-31633

INSTITUT FUER ANGEWANDTE GEODAESIE, FRANKFURT AM MAIN (GERMANY, F.R.).
The use of remote sensing data for a statistical ground application information system (STABIS, German acronym) 04 p0542 N91-13003
Reports on cartography and topography. Series 1, report 104
[ISSN-0469-4236] 08 p1168 N91-16432
The photogrammetric evaluation by video technique: A supporting study 08 p1168 N91-16433
The multisensor image map 1:50,000 Rheinhessen 08 p1169 N91-16434

INSTITUT FUER LANDWIRTSCHAFTLICHE BOTANIK, BONN (GERMANY, F.R.).
Electrofusion and regeneration of protoplasts from sunflower (Helianthus annuus L.) 11 p1759 N91-19675

INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, NICE (FRANCE).
Experiment lymphocytes of Aragatz mission: Influence of the space flight on human T lymphocyte and monocyte functions 11 p1749 N91-19619

INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, TOULOUSE (FRANCE).
Growth rate of bacteria without and with antibiotic at different levels of gravity 11 p1751 N91-19632

INSTITUT NATIONAL DES SCIENCES APPLIQUEES, LYON (FRANCE).
Study of relaxation phenomena for diluted carbon-iron alloys
[ISAL-90-0064] 10 p1498 N91-18243
A study of alkaline element interferences in analytical inductively coupled plasmas
[ISAL-90-0069] 11 p1805 N91-19915

Measurement of directional hemispheric reflectivity of opaque metallic and non-metallic materials. Development of a reflectometer using parabolic mirrors
[INSA-IDI-19001] 12 p1982 N91-20906
Dynamic study of cyclically symmetric structures: Application to rotating a wheel of a centrifugal compressor
[ISAL-91-0004] 15 p2500 N91-23844
Contribution to the study of magnesium cements and their evaluation as the matrix for glass fiber reinforced composite materials
[ISAL-90-0051] 22 p3646 N91-30290
Influence of microstructure on fracture behavior and thermal shock resistance for carbon materials
[ISAL-90-0097] 22 p3654 N91-30338
Development and characterization of low temperature Cu-Al-Be shape memory alloys
[ISAL-90-0093] 23 p3815 N91-31284

INSTITUT NATIONAL DES SCIENCES APPLIQUEES, ROUTEN (FRANCE).

Turbulence modeling for compressible flows and implementation in Navier-Stokes solvers
23 p3866 N91-31564
Quasi-elastic light scattering and applications to optical sizing 23 p3877 N91-31627

INSTITUT NATIONAL DES SCIENCES APPLIQUEES DE LYON, VILLEURBANNE (FRANCE).

Study of the mechanisms of damage and failure of fiber and ceramic matrix composites
[ISAL-90-0026] 01 p0023 N91-10135
Relations between microstructure and mechanical behaviour of SiC/SiC composites: Interface effects on multiple cracking in multifilament materials
[ISAL-89-0098] 02 p0190 N91-11065

INSTITUT NATIONAL POLYTECHNIQUE, GRENOBLE (FRANCE).

Planning of the paths for manipulation robots
[ETN-90-97826] 01 p0049 N91-10291
Parallel inference and communication process for Horn clause. First order extension by connection method
[ETN-90-97825] 01 p0112 N91-10652
Application of self-testing integrated circuits to the safety of systems operation
[ETN-90-97828] 02 p0206 N91-11150
Silicon compilation and the SYCO silicon compiler
[ETN-90-97827] 02 p0253 N91-11404
The architecture of the PAC computer algebra system and its rational arithmetic
[ETN-90-98204] 04 p0556 N91-13080
Contribution to the study of automatic rounded error control: The SCALP method
[ETN-90-98206] 04 p0566 N91-13146
Hermite normal form of matrices: Calculation and parallelization of methods
[ETN-90-98202] 04 p0569 N91-13157
Contributions to research in ordered sets: From sequential to parallel combinations
[ETN-90-98203] 04 p0569 N91-13158
Contribution to the study of the dynamics of an automata with memory
[ETN-90-98205] 04 p0571 N91-13169
Parallel heuristics, physical criteria and theoretical problems
[ETN-90-98201] 04 p0576 N91-13202
Semantic validation of structured theories: Applications to a generic programming language
[ETN-91-98207] 05 p0703 N91-13916
Contribution to the specification and implementation of complex robot tasks
[ETN-90-98209] 06 p0833 N91-14604
Boolean Grobner bases, calculation methods. Applications and parallel processing
[ETN-90-98208] 06 p0863 N91-14768
Numerical simulation of the electric arc gas flow interaction in mean and high voltage circuit breakers
[ETN-91-99476] 22 p3670 N91-30435
Failure analysis of VLSI integrated circuits by electron beam tester
[ETN-91-99477] 22 p3670 N91-30436
A feasibility study of a high-safety microcontroller
[ETN-91-99480] 22 p3670 N91-30437
Functional test generation for digital circuits described with a declarative language: LUSTRE
[ETN-91-99481] 22 p3670 N91-30438
Study and parallelization of finite element code for quasi geostrophic modeling of ocean circulations
[ETN-91-99486] 22 p3713 N91-30666
The study of a built-in self test strategy for the SYCO silicon compiler
[ETN-91-99475] 22 p3730 N91-30763
Logic simulation acceleration: LL3T architecture and algorithms
[ETN-91-99478] 22 p3730 N91-30764
Basic principles of list scheduling algorithms and task scheduling precedence
[ETN-91-99479] 22 p3730 N91-30765
Programming of massively parallel computers. Applications to integer factoring
[ETN-91-99482] 22 p3737 N91-30818
Semantics of parallelism and temporal logic. Application to FP2 language
[ETN-91-99484] 22 p3738 N91-30819
CLEO: An error diagnosis method in XESAR
[ETN-91-99485] 22 p3738 N91-30820

INSTITUT NATIONAL POLYTECHNIQUE, TOULOUSE (FRANCE).

Stress corrosion cracking of 2091 ad 8090 aluminum-lithium alloys in chloride containing aqueous solutions. Influence of sulphate and nitrate additions
[REPT-431/91] 23 p3816 N91-31285

INSTITUTE FOR COMPUTER APPLICATIONS IN SCIENCE AND ENGINEERING, HAMPTON, VA.

Boundary-layer receptivity due to a wall suction and control of Tollmien-Schlichting waves
[NASA-CR-182103] 01 p0002 N91-10009
Turbulent flow calculations using unstructured and adaptive meshes
[NASA-CR-182102] 01 p0002 N91-10010
The inviscid secondary instability of fully nonlinear longitudinal vortex structures in growing boundary layers
[NASA-CR-187455] 01 p0004 N91-10021
Vortex instabilities in 3D boundary layers: The relationship between Goertler and crossflow vortices
[NASA-CR-187456] 01 p0004 N91-10022
Bounded energy states in homogeneous turbulent shear flow: An alternative view
[NASA-CR-187439] 01 p0040 N91-10237
The 'optimum' upwind advection on a triangular mesh
[NASA-CR-187459] 01 p0042 N91-10250
Quadrature imposition of compatibility conditions in Chebyshev methods
[NASA-CR-187458] 01 p0043 N91-10251
A manual for PARTI runtime primitives
[NASA-CR-187442] 01 p0103 N91-10599
Multiprocessors and runtime compilation
[NASA-CR-182100] 01 p0104 N91-10600
Conservative parallel simulation of priority class queueing networks
[NASA-CR-187438] 01 p0108 N91-10628
A conservative approach to parallelizing the Sharks World simulation
[NASA-CR-187440] 01 p0108 N91-10629
Spectral methods for time dependent problems
[NASA-CR-187443] 01 p0114 N91-10664
Inflated speedups in parallel simulations via malloc()
[NASA-CR-182104] 02 p0252 N91-11397
Parallelized reliability estimation of reconfigurable computer networks
[NASA-CR-182101] 02 p0257 N91-11430
Spurious frequencies as a result of numerical boundary treatments
[NASA-CR-187457] 03 p0363 N91-12033
Compiling global name-space programs for distributed execution
[NASA-CR-187454] 03 p0399 N91-12216
Programming distributed memory architectures using Kali
[NASA-CR-187453] 03 p0399 N91-12217
Large-eddy simulation of transitional channel flow
[NASA-CR-187465] 05 p0615 N91-13410
The route to chaos for the Kuramoto-Sivashinsky equation
[NASA-CR-187461] 05 p0656 N91-13642
Flow establishment in a generic scramjet combustor
[NASA-CR-187467] 05 p0657 N91-13649
Toward the large-eddy simulation of compressible turbulent flows
[NASA-CR-187460] 05 p0657 N91-13650
Zero wavenumber modes of a compressible supersonic mixing layer
[NASA-CR-187476] 05 p0660 N91-13669
Dissipative controller designs for second-order dynamic systems
[NASA-CR-187452] 05 p0706 N91-13935
A fully Sinc-Galerkin method for Euler-Bernoulli beam models
[NASA-CR-187462] 05 p0709 N91-13952
Regularized Chapman-Enskog expansion for scalar conservation laws
[NASA-CR-187441] 05 p0711 N91-13966
The inviscid stability of supersonic flow past heated or cooled axisymmetric bodies
[NASA-CR-187475] 06 p0777 N91-14307
The effect of wall compliance on the Goertler vortex instability
[NASA-CR-187477] 06 p0777 N91-14308
Research in progress in applied mathematics, numerical analysis, and computer science
[NASA-CR-187474] 06 p0856 N91-14726
On a class of unsteady three-dimensional Navier Stokes solutions relevant to rotating disc flows: Threshold amplitudes and finite time singularities
[NASA-CR-187482] 08 p1091 N91-15991
On the Goertler instability in hypersonic flows: Sutherland law fluids and real gas effects
[NASA-CR-187481] 08 p1092 N91-15994
Modelling the transitional boundary layer
[NASA-CR-187487] 08 p1092 N91-15995
On the receptivity and non-parallel stability of travelling disturbances in rotating disk flow
[NASA-CR-187486] 08 p1092 N91-15996
Asymptotic-induced numerical methods for conservation laws
[NASA-CR-187483] 08 p1145 N91-16305
Modeling the dissipation rate in rotating turbulent flows
[NASA-CR-187485] 08 p1146 N91-16306
Resolution of the 1D regularized Burgers equation using a spatial wavelet approximation
[NASA-CR-187480] 08 p1211 N91-16664
Transient, hypervelocity flow in an axisymmetric nozzle
[NASA-CR-187496] 09 p1286 N91-17069
One shot methods for optimal control of distributed parameter systems 1: Finite dimensional control
[NASA-CR-187497] 09 p1392 N91-17658
Recent developments in shock-capturing schemes
[NASA-CR-187502] 09 p1392 N91-17659
On the effects of viscosity on the stability of a trailing-line vortex
[NASA-CR-187500] 10 p1462 N91-18062
Development of the wake behind a circular cylinder impulsively started into rotatory and rectilinear motion: Intermediate rotation rates
[NASA-CR-187512] 10 p1462 N91-18063
Second-order closure models for supersonic turbulent flows
[NASA-CR-187508] 10 p1524 N91-18390
Application of a new K-tau model to near wall turbulent flows
[NASA-CR-187518] 10 p1525 N91-18397
Distributed memory compiler design for sparse problems
[NASA-CR-187515] 10 p1566 N91-18610
Shared versus distributed memory multiprocessors
[NASA-CR-187501] 10 p1567 N91-18613
Numerical recovery of material parameters in Euler-Bernoulli beam models
[NASA-CR-187516] 10 p1586 N91-18740
Multigrid solution of compressible turbulent flow on unstructured meshes using a two-equation model
[NASA-CR-187513] 11 p1640 N91-19043
Digital optical computers at the optoelectronic computing systems center
[NASA-CR-187520] 11 p1697 N91-19345
Filtering analysis of a direct numerical simulation of the turbulent Rayleigh-Benard problem
[NASA-CR-187488] 11 p1701 N91-19366
Complete exchange on the iPSC-860
[NASA-CR-187498] 11 p1772 N91-19715
Multiphase complete exchange on a circuit switched hypercube
[NASA-CR-187499] 11 p1772 N91-19716
Direct simulation of compressible turbulence in a shear flow
[NASA-CR-187537] 12 p1831 N91-20061
Unstructured and adaptive mesh generation for high Reynolds number viscous flows
[NASA-CR-187534] 12 p1831 N91-20063
Mach 4 and Mach 8 axisymmetric nozzles for a shock tunnel
[NASA-CR-187533] 12 p1846 N91-20146
Analysis and convergence of the MAC scheme. Part 1: The linear problem
[NASA-CR-187536] 12 p1899 N91-20446
Cumulative reports and publications through December 31, 1990
[NASA-CR-187506] 12 p1952 N91-20739
On the nonlinear stability of a high-speed, axisymmetric boundary layer
[NASA-CR-187538] 13 p2017 N91-21099
Preliminary calibration of a generic scramjet combustor
[NASA-CR-187539] 13 p2025 N91-21139
Turbulent separated flow past a backward-facing step: A critical evaluation of two-equation turbulence models
[NASA-CR-187532] 13 p2079 N91-21451
Probability distribution functions in turbulent convection
[NASA-CR-187519] 13 p2079 N91-21453
Predicting chaos for infinite dimensional dynamical systems: The Kuramoto-Sivashinsky equation, a case study
[NASA-CR-187531] 13 p2079 N91-21454

Singularities in water waves and Rayleigh-Taylor instability
[NASA-CR-187530] 13 p2079 N91-21455
Uniform high order spectral methods for one and two dimensional Euler equations
[NASA-CR-187535] 13 p2080 N91-21456
Domain decomposition methods in computational fluid dynamics
[NASA-CR-187529] 13 p2080 N91-21457
Performance effects of irregular communications patterns on massively parallel multiprocessors
[NASA-CR-187514] 13 p2130 N91-21724
A fully Galerkin method for the recovery of stiffness and damping parameters in Euler-Bernoulli beam models
[NASA-CR-187517] 13 p2143 N91-21796
Numerical recovery of certain discontinuous electrical conductivities
[NASA-CR-187543] 13 p2143 N91-21800
On one-sided filters for spectral Fourier approximations of discontinuous functions
[NASA-CR-187541] 13 p2143 N91-21801
Ignition and structure of a laminar diffusion flame in a compressible mixing layer with finite rate chemistry
[NASA-CR-187551] 14 p2266 N91-22537
An analysis of RNG based turbulence models for homogeneous shear flow
[NASA-CR-187552] 15 p2425 N91-23433
Non-linear interaction of a detonation/vorticity wave
[NASA-CR-187550] 15 p2425 N91-23434
Implicit solvers for unstructured meshes
[NASA-CR-187564] 16 p2549 N91-24125
High-order ENO schemes applied to two- and three-dimensional compressible flow
[NASA-CR-187562] 16 p2549 N91-24126
Nonlinear development and secondary instability of Gortler vortices in hypersonic flows
[NASA-CR-187563] 16 p2549 N91-24127
Modeling the pressure-dilatation correlation
[NASA-CR-187566] 16 p2627 N91-24546
Semiannual report, 1 October 1990 - 31 March 1991
[NASA-CR-187569] 16 p2666 N91-24746
The P1-RKDG method for two-dimensional Euler equations of gas dynamics
[NASA-CR-187542] 16 p2677 N91-24819
Sinc-Galerkin estimation of diffusivity in parabolic problems
[NASA-CR-187567] 16 p2679 N91-24833
Three dimensional unstructured multigrid for the Euler equations
[NASA-CR-187565] 17 p2728 N91-25105
A manual for PARTI runtime primitives, revision 1
[NASA-CR-187568] 17 p2832 N91-25644
Domain decomposition with local mesh refinement
[NASA-CR-187528] 17 p2842 N91-25704
A parallel rendering algorithm for MIMD architectures
[NASA-CR-187571] 18 p3038 N91-26767
The unsteady laminar boundary layer on an axisymmetric body subject to small amplitude fluctuations in the free-stream velocity
[NASA-CR-187579] 19 p3099 N91-27121
Optimal control of lift/drag ratios on a rotating cylinder
[NASA-CR-187586] 19 p3163 N91-27490
Stability of a non-orthogonal stagnation flow to three dimensional disturbances
[NASA-CR-187591] 19 p3165 N91-27501
Performance and fault-tolerance of neural networks for optimization
[NASA-CR-187582] 19 p3232 N91-27869
Homogenization techniques and estimation of material parameters in distributed structures
[NASA-CR-187585] 19 p3235 N91-27887
Exponentially stable approximations of weakly damped wave equations
[NASA-CR-187584] 19 p3235 N91-27888
Mapping implicit spectral methods to distributed memory architectures
[NASA-CR-187592] 20 p3393 N91-28806
Extension of multigrid methodology to supersonic/hypersonic 3-D viscous flows
[NASA-CR-187612] 22 p3611 N91-30088
The inviscid compressible Goertler problem
[NASA-CR-187600] 22 p3611 N91-30089
Multigrid for hypersonic viscous two- and three-dimensional flows
[NASA-CR-187603] 22 p3612 N91-30093
Nonlinear instability of hypersonic flow past a wedge
[NASA-CR-187609] 22 p3612 N91-30094
An effective multigrid method for high-speed flows
[NASA-CR-187602] 22 p3613 N91-30096
On the linear stability of compressible plane Couette flow
[NASA-CR-187610] 22 p3613 N91-30097
Simulation of transient flow in a shock tunnel and a high Mach number nozzle
[NASA-CR-187606] 22 p3624 N91-30162
The energy decay in self-preserving isotropic turbulence revisited
[NASA-CR-187604] 22 p3676 N91-30465
Development of turbulence models for shear flows by a double expansion technique
[NASA-CR-187611] 22 p3676 N91-30466
Analysis of two-equation turbulence models for recirculating flows
[NASA-CR-187607] 22 p3677 N91-30475
A uniqueness result concerning the identification of a collection of cracks from finitely many electrostatic boundary measurements
[NASA-CR-187583] 22 p3722 N91-30712
Asynchronous and corrected-asynchronous numerical solutions of parabolic PDES on MIMD multiprocessors
[NASA-CR-187605] 22 p3728 N91-30749
Rectilinear partitioning of irregular data parallel computations
[NASA-CR-187601] 22 p3728 N91-30750
The convergence rate of approximate solutions for nonlinear scalar conservation laws
[NASA-CR-187608] 22 p3744 N91-30866
Control of oscillatory forces on a circular cylinder by rotation
[NASA-CR-187619] 23 p3868 N91-31576
A dynamically adaptive multigrid algorithm for the incompressible Navier-Stokes equations: Validation and model problems
[NASA-CR-187595] 23 p3919 N91-31888
A comparison of time domain boundary conditions for acoustic waves in wave guides
[NASA-CR-187618] 23 p3919 N91-31889
An approximate Riemann solver for hypervelocity flows
[NASA-CR-187629] 24 p4018 N91-32463

INSTITUTE FOR DEFENSE ANALYSES, ALEXANDRIA, VA.
Physics of high-temperature air. Part 1: Basics
[AD-A224584] 03 p0390 N91-12171
Trends in a sample of defense aircraft contractors' costs
[AD-A225663] 04 p0463 N91-12587
Analyses of a coproduction acquisition strategy for the Light Helicopter program (LH)
[AD-A226109] 04 p0463 N91-12588
Flying hours and aircrew performance
[AD-A228582] 09 p1371 N91-17535
Improving methods for estimating software development costs
[AD-A228385] 09 p1380 N91-17587
A survey of Total Quality Management (TQM) resource centers
[AD-A229218] 09 p1422 N91-17831
Physics of high-temperature air. Part 2: Applications
[AD-A229778] 12 p1923 N91-20580
Some informal thoughts on relativity and limitations on interstellar travel
[AD-A230575] 12 p1993 N91-20971
The necessity for a DOD capability in superconducting electronics
[AD-A231553] 13 p2163 N91-21931
Calculation of reentry-vehicle temperature history
[AD-A231552] 14 p2233 N91-22356
TIRT study no. 9: Stokes vector formalism for the source radiance of an opaque body
[AD-A231551] 14 p2256 N91-22479
The costs and benefits of aircraft availability
[AD-A232660] 15 p2363 N91-23076
Estimating fixed and variable costs of airframe manufacturers
[AD-A232661] 15 p2363 N91-23077
Technology transfer in a changing national security environment
[AD-A232458] 15 p2526 N91-24000
An approach for constructing reusable software components in Ada
[AD-A233662] 18 p3038 N91-26770
Ada software portability and level 2 system simulator integration issues
[AD-A233757] 18 p3039 N91-26773
Topics in hypervelocity impact shielding for space assets
[AD-A235810] 19 p3111 N91-27192
Concurrent engineering teams. Volume 2: Annotated bibliography
[AD-A236094] 19 p3145 N91-27383
Concurrent engineering teams. Volume 1: Main text
[AD-A236093] 19 p3259 N91-28024
Digital SPC switching technology: Foreign technology assessment
[AD-A237258] 21 p3504 N91-29449
IDA studies on natural space environmental effects on materials for SDIO
[AD-A237974] 21 p3538 N91-29660
Real-time Ada design methodologies and their impact on performance
[AD-A237259] 21 p3555 N91-29754
Report on the Software Technology for Adaptable, Reliable Systems (STARS) Conference on Frameworks Convergence
[AD-A239691] 23 p3915 N91-31862

INSTITUTE FOR ENDOCRINOLOGICAL AND METABOLIC DISEASES, ROME (ITALY).
Head-down tilt test and space-related endocrine physiology 11 p1748 N91-19614

INSTITUTE FOR NAVAL OCEANOGRAPHY, BAY SAINT LOUIS, MS.
User's manual for a primitive equation regional ocean-circulation model
[AD-A234979] 22 p3712 N91-30658
Progress on data accession and preparation of user's guides
[AD-A234920] 22 p3765 N91-30990

INSTITUTE FOR PERCEPTION RVO-TNO, SOESTERBERG (NETHERLANDS).
An extension of the Kremers/Van Norren model for retinal light damage and consequences thereof for occupational safety
[AD-A224879] 03 p0394 N91-12191
The effect of stereoscopic presentation on a simulated air traffic control task
[IZF-1989-53] 05 p0618 N91-13431
Simulator flight as a selection device: Effects of test anxiety on subjective and objective measures of performance
[IZF-1989-57] 05 p0626 N91-13468
Evaluation of a simple method for color monitor recalibration
[IZF-1990-B-4] 05 p0650 N91-13608
Colour specifications for the Electronic Chart Display and Information System (ECDIS)
[IZF-1990-A-19] 05 p0682 N91-13789
Time-sharing performance as a factor for success in flight training: Test development and validation
[IZF-1989-58] 05 p0695 N91-13872
Vestibulo-ocular responses in man to +G sub z hypergravity
[IZF-1989-59] 05 p0695 N91-13873
Adaptable driver-car interfacing and mental workload: A review of the literature
[IZF-1990-B-3] 05 p0696 N91-13874
The effect of condensation in clothing on heat transfer
[IZF-1990-B-5] 05 p0697 N91-13881
Multi-scale contrast enhancement with applications to image fusion
[IZF-1990-A-9] 05 p0717 N91-14003
Total annoyance caused by simultaneous impulse, road traffic, and aircraft sounds
[IZF-1990-B-1] 07 p1063 N91-15845
ERICC: Construction and application of the Command and Control Research Facility
[IZF-1989-55] 08 p1130 N91-16213
Organization of the mission pattern in the air picture
[IZF-1990-A-12] 08 p1195 N91-16568
Heat transfer in clothing during heat radiation
[IZF-1990-B-2] 08 p1195 N91-16569
A normative database for, and analysis of, the dual task of the TASKOMAT
[IZF-1990-A-11] 08 p1242 N91-16846
The selective listening task as a test for pilots and air traffic controllers
[IZF-1990-A-18] 10 p1564 N91-18601
Otolith responses in man during parabolic flight
[IZF-1990-A-32] 15 p2474 N91-23703
The development of highly practiced skills: A starting point for driver modelling
[IZF-1990-B-16] 15 p2478 N91-23719
A two class model for photochemical damage of the retina 17 p2825 N91-25608
An exploratory study of the interpretation of logical operators in database querying
[AD-A236478] 19 p3261 N91-28036
The construction of a hierarchical morphological graph for data fusion
[IZF-1990-A-38] 22 p3625 N91-30166
Proposal for a new performance evaluation and feedback system for the Leopard 2 driving simulator
[IZF-1990-A-40] 22 p3625 N91-30167
The development of steering controllability test procedures for light- and medium-weighted trucks. Phase 3: Closed- and open-loop experiments with nine medium-weighted truck configurations
[IZF-1990-A-44-PHASE-3] 22 p3689 N91-30541
Damage risk for low-frequency impulse noise; the spectral factor in noise-induced hearing loss
[IZF-1990-A-37] 22 p3718 N91-30693
Spatiotemporal edge perception
[IZF-1990-B-15] 22 p3719 N91-30698

Human cognitive processes in command and control planning. 1: Identification of research issues
[IZF-1990-B-18] 22 p3719 N91-30699
The use of an active gas-pedal as an element of an intelligent driver support system: Literature review and explorative study
[IZF-1990-B-17] 22 p3721 N91-30708
An experimental comparison between different types of in-car navigation information
[IZF-1991-B-1] 22 p3721 N91-30709
Introduction to multiresolution morphology
[IZF-1991-A-10] 24 p4072 N91-32753
Advanced multiresolution morphology
[IZF-1991-A-12] 24 p4083 N91-32812

INSTITUTE FOR PLASMA RESEARCH, GANDHINGAR (INDIA).
Model for marfe-detached plasma transition in tokamaks 20 p3415 N91-28938

INSTITUTE FOR SCIENTIFIC INFORMATION, INC., PHILADELPHIA, PA.
Bibliometrics of basic research
[PB91-166579] 19 p3262 N91-28046

INSTITUTE FOR SCIENTIFIC RESEARCH, LEXINGTON, MA.
Theoretical studies of important processes in planetary and comet atmospheres
[NASA-CR-187692] 06 p0915 N91-15045

INSTITUTE OF APPLIED ENERGY, TOKYO (JAPAN).
Prospects of new energy
[DE91-727567] 06 p0842 N91-14654

INSTITUTE OF ASTRONOMY, CAMBRIDGE (ENGLAND).
Stripping of gas and dust from the elliptical galaxy M86 05 p0748 N91-14171
Galaxy interactions and star formation: Results of a survey of global H-alpha emission in spiral galaxies in 8 clusters 08 p1254 N91-16905
Do elliptical galaxies have thick disks?
08 p1264 N91-16962

INSTITUTE OF AVIATION MEDICINE, FARNBOROUGH (ENGLAND).
Cerebral oxygen status and G-induced loss of consciousness 08 p1192 N91-16554
Aircrew sunglasses 17 p2825 N91-25606
Prevention and treatment of motion sickness: Non-pharmacological therapy 24 p4075 N91-32767
Management of acute and chronic motion sickness
24 p4075 N91-32769

INSTITUTE OF AVIATION MEDICINE, FUERSTENFELDBRUCK (GERMANY, F.R.).
Eye damage induced by solar radiation
17 p2825 N91-25605
Intra-ocular lenses and military flying qualifications
17 p2827 N91-25615

INSTITUTE OF AVIATION MEDICINE, OSLO (NORWAY).
Psychological and sociological aspects of the entrance of female aircrew to the Norwegian airforce
02 p0245 N91-11365
Pregnancy: A cause for grounding of female air crew
02 p0247 N91-11376

INSTITUTE OF BIOMEDICAL PROBLEMS, MOSCOW (USSR).
Medical results of the fourth prime expedition on the orbital station Mir 11 p1742 N91-19576
Ultrasound investigation of the cardiovascular system during the 25-days Soviet-French flight: Cardiac aspects
11 p1742 N91-19578
Neurological findings after 72 hours water immersion
11 p1745 N91-19597
The biochemical and physiological variables in motion sickness followed modified neuroendocrine activity
11 p1747 N91-19607
Assessment of bone turnover in humans after space flight and hypokinesia 11 p1747 N91-19608
The biological and medical programme of the manned Aragatz mission on the Mir Space Station
11 p1749 N91-19617
Human and animal results on vestibular research in space: VERIS 11 p1753 N91-19642
Adaptive responses in monkeys during two week space flight 11 p1754 N91-19645
Principle and realization of the instrument used for the CIRCE experiment on board the Mir station
11 p1760 N91-19684

INSTITUTE OF COMPUTATIONAL FLUID DYNAMICS, TOKYO (JAPAN).
Unsteady calculation of the transonic flow over ONERA-M6 wing with a side wall
04 p0451 N91-12518
Structured grid generation based on unstructure grid
04 p0455 N91-12542
Surface grid generation based on unstructured grid
24 p3944 N91-32042
Several issues of visualization techniques in computational fluid dynamics 2
24 p3944 N91-32044
The three dimensional Navier-Stokes simulations of flow over a wing without any turbulent modelling
24 p3945 N91-32051

INSTITUTE OF CROP SCIENCE AND PLANT BREEDING, BRUNSWICK (GERMANY, F.R.).
Physiological criteria and requirement of biomass production under controlled ecological life support systems 11 p1756 N91-19659

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, NEW YORK, NY.
International Symposium on Information Theory
[AD-A226957] 06 p0818 N91-14521
IEEE International Symposium on Information Theory
[AD-A228239] 08 p1241 N91-16842
The First Nonlinear Optics: Materials, Phenomena, and Devices Conference
[AD-A234733] 18 p3064 N91-26926

INSTITUTE OF ENERGY ECONOMICS OF JAPAN.
Global warming policies in the US and Canada
[DE91-778707] 19 p3186 N91-27619
Survey of impacts of global environmental issues on the utilizations of alternative energies for oil
[DE91-778709] 19 p3186 N91-27620

INSTITUTE OF GAS TECHNOLOGY, CHICAGO, IL.
Determination of flow-regime boundaries for cohesive particles
[DE91-010552] 18 p2982 N91-26468
Solid-state proton conductors
[DE91-002050] 18 p3071 N91-26970
Determination of flow-regime boundaries for cohesive particles
[DE91-010541] 19 p3136 N91-27326

INSTITUTE OF NUCLEAR PHYSICS, KRAKOW (POLAND).
Integrable Hamiltonian system in 2N dimensions
[DE91-619585] 13 p2143 N91-21798
Strange particles production and absorption in nuclei at high energies
[DE91-620399] 13 p2150 N91-21845
Characteristic x rays method for detecting cold fusion
[DE91-619982] 13 p2157 N91-21890
Physics without physical constants
[DE91-619576] 13 p2164 N91-21935

INSTITUTE OF OCEANOGRAPHIC SCIENCES, WORMLEY (ENGLAND).
Micronektonic biomass in the North Atlantic
[IOS-280-1990] 22 p3712 N91-30662
Station data for the IOS benthic biological survey of the Porcupine Seabight region (NE Atlantic) 1977-1989
[IOS-281-1991] 22 p3712 N91-30663
CTDO and nutrient data from Charles Darwin cruise 50 in the Iceland Faeroes region
[IOS-282-1991] 22 p3712 N91-30664
Chemical tracer studies at IOSDL-2: A method manual for the routine measurement of chlorofluocarbons in seawater and air
[IOS-275] 24 p4041 N91-32580
GEOPLOT: User guide and programmer's guide
[IOS-279] 24 p4071 N91-32745

INSTITUTE OF OPHTHALMOLOGY, LONDON (ENGLAND).
A survey of colour discrimination in German ophthalmologists: Changes associated with the use of lasers and operating microscopes
17 p2827 N91-25618

INSTITUTE OF PLASMA PHYSICS, PRAGUE (CZECHOSLOVAKIA).
The 15th Czechoslovak Seminar on Plasma Physics and Technology, part 1
[IPPCZ-293/1-PT-1] 14 p2328 N91-22859
The 15th Czechoslovak Seminar on Plasma Physics and Technology, part 2
[IPPCZ-293/2] 14 p2328 N91-22860
Multijunction grill response to ponderomotive effects as plasma periphery
[IPPCZ-303] 17 p2866 N91-25851
Simulation of electron and ion bipolar flow in high current diode with magnetic insulation
[IPPCZ-301] 17 p2866 N91-25852
D.C. - ARC plasma generator for nonequilibrium plasmachemical processes
[IPPCZ-302] 17 p2866 N91-25853
Suppression of magnetic fluctuations by lower hybrid current drive on the Castor tokamak
[IPPCZ-300] 17 p2866 N91-25854
Hard x ray studies on the Castor tokamak
[IPPCZ-299] 17 p2866 N91-25855

INSTITUTE OF SPACE RESEARCH, MOSCOW (USSR).
The role of impacting processes in the chemical evolution of the atmosphere of primordial Earth
14 p2346 N91-22975
The Oort cloud 14 p2346 N91-22978
The chaotic dynamics of comets and the problems of the Oort cloud 14 p2347 N91-22979

INSTITUTO DE FISICA TEORICA, SAO PAULO (BRAZIL).
On the structure of quantum phase space
[DE90-627185] 01 p0133 N91-10786
Variational and perturbative schemes for a spiked harmonic oscillator
[DE90-637409] 03 p0410 N91-12289

INSTITUTO DE PESQUISAS ESPACIAIS, SAO JOSE DOS CAMPOS (BRAZIL).
Functional description and analysis of processor performance for data collection
[INPE-5037-RPE/620] 02 p0187 N91-11048
Sampling and interpolations in digital terrain models
[INPE-5041-TDL/404] 02 p0228 N91-11275
Methodology of remote sensing for monitoring modifications in the fluvial channel and updating nautical charts
[INPE-4863-TDL/374] 02 p0228 N91-11277
Integration of multispectral and pancromatic channels of HRV (SPOT) sensor for obtaining color compositions with a spatial resolution of approximately 10 m
[INPE-5035-TDL/403] 02 p0229 N91-11278
Identification of areas subject to flooding through TM/LANDSAT images in the basin of the rivers Pindare, Mearim, Jaguaribe, Apodi, Piranhas, and San Francisco
[INPE-5034-RPE/619] 02 p0229 N91-11279
Spectral lithostratigraphic correlation of boreholes
[INPE-5022-TDL/402] 02 p0239 N91-11332
Numerical experiments with climatic zonally-averaged models
[INPE-5063-TDL/417] 02 p0241 N91-11343
Fundamental concepts for utilization of the FPS-5410 array processor
[INPE-5091-RPE/624] 02 p0250 N91-11388
Beta splines interpolation for DEM's
[INPE-5039-PRE/1572] 02 p0255 N91-11415
Reception and display of WEFAX images: 4 bits with micro line IBM-PC, users manual
[INPE-5086-NTE/294] 02 p0255 N91-11417
A tool for help in software reutilization
[INPE-5077-TDL/341] 02 p0255 N91-11418
Combination of Hatley and Ward/Mellor methods for real time systems
[INPE-5078-TDL/412] 02 p0255 N91-11419
Classification of textures using the ARMA models and distances over the autocorrelation function
[INPE-5067-TDL/406] 02 p0255 N91-11421
Performance comparison of edge defection morphologies
[INPE-5012-TDL/400] 02 p0256 N91-11422
Geometric correction of SPOT imagery with the use of a digital elevation model
[INPE-5014-TDL/401] 02 p0256 N91-11423
Multiple Application Intense Particle Beam Project
[INPE-4576-RPE/568] 02 p0269 N91-11510
Exploration of decreased solar activity state (small intensity activity) in the corona and chromosphere
[INPE-5059-TDL/405] 02 p0295 N91-11652
Control of a maintenance system when failure and repair times have phase type distributions
[INPE-5104-TDL/418] 03 p0349 N91-11946
Contribution to the study of coded modulation systems in concatenated codes
[INPE-5080-TDL/414] 03 p0355 N91-11987
Access definition of multipoles characterized from indefinite admittance matrix
[INPE-4536-PRE/1283] 03 p0358 N91-12006
Utilization of remote sensing techniques in geological and semidetailed work in the Quadrilatero Ferrifero region, MG
[INPE-4151-TDL/268] 03 p0383 N91-12134
Study of data integration techniques for geological mapping in the Iguaraci (PE) region
[INPE-5074-PRE/1593] 03 p0383 N91-12137
Contribution of satellite data in the crop forecasting system
[INPE-5087-PRE/1595] 03 p0384 N91-12138
Mapping of vegetation/land use of indigenous areas utilizing TM/LANDSAT data
[INPE-5115-RPE/626] 03 p0384 N91-12139
The spatial and temporal variations of a thermodynamic structure over a forested area
[INPE-5033-RPE/618] 03 p0384 N91-12141
Characterization of an agricultural region starting with AC band thermal infrared radar and radiometer at an airport
[INPE-4608-PRE/1331] 03 p0384 N91-12142
Hydrochemistry of solutions at the atmosphere-soil interface at a terra-firma (Central Amazon) forest ecosystem
[INPE-5095-RPE/625] 03 p0387 N91-12158
Monitoring of water masers from IRAS sources
[INPE-5055-PRE/1588] 03 p0389 N91-12166
Digital elevation model visibility including Earth's curvature and atmosphere refraction
[INPE-5044-PRE/1574] 03 p0389 N91-12167

Minimum cost routes calculation by means of digital elevation models
[INPE-5040-PRE/1573] 03 p0398 N91-12212
The integration of terminological and logical knowledge representation languages
[INPE-5092-PRE/1597] 03 p0398 N91-12213
The 0-1 multiknapsack problem: Monotone surrogate and Lagrangean algorithms
[INPE-5036-PRE/1571] 03 p0399 N91-12214
Reception and display of WEFAX images: 4 bits with micro line IBM-PC-operating manual
[INPE-5085-NTE/293] 03 p0399 N91-12218
Fundamentals of numerical analysis for digital computers, volume 2
[INPE-5088-MD/043-VOL-2] 03 p0399 N91-12219
Representation and manipulation of graphic images utilizing quaternary trees
[INPE-5069-TDL/408] 03 p0400 N91-12221
Textual linguistics and knowledge representation: A highlight
[INPE-5064-PRE/1590] 03 p0400 N91-12222
Technological innovation centers in Brazil: Performance and new directions
[INPE-5082-TDL/416] 03 p0428 N91-12398
Technological poles in Brazil: Development and new directions
[INPE-5081-TDL/415] 03 p0428 N91-12399
System for obtaining the vegetative index of South America by digital processing of NOAA/AVHRR imagery
[INPE-5068-TDL/407] 04 p0539 N91-12988
Physiognomy of vegetation cover in the Pantanal Mato Grossina National Park: A temporal analysis
[INPE-4809-RPE/589] 04 p0539 N91-12989
Evaluation of digital processing techniques of TM/LANDSAT imagery applied to urban area demarcation
[INPE-5071-TDL/410] 04 p0539 N91-12990
Study of radon concentration in Antarctica: Instrumentation and analysis
[INPE-5070-TDL/409] 04 p0545 N91-13022
The importance of fracturing in the structure of the Pimenta-Bueno Basin (RO)
[INPE-5073-PRE/1592] 04 p0547 N91-13031
Subproject RADSAT
[INPE-4808-PRE/1454] 04 p0549 N91-13044
Spray deflagration
[INPE-5079-TDL/413] 05 p0634 N91-13511
S-band diplexer for a telecommunication board transponder
[INPE-4540-PRE/1286] 05 p0646 N91-13586
Restoration of solar radio images: Evaluation of poor conditions and resolution by regularization techniques
[INPE-4557-PRE/1298] 05 p0646 N91-13587
Method of selection of TM/LANDSAT color composition for analysis of land use classes
[INPE-5119-TDL/421] 05 p0680 N91-13783
Methodological contribution utilizing TM/LANDSAT-5 imagery in geologic mapping of regions with significant vegetative cover
[INPE-5117-TDL/419] 05 p0681 N91-13784
The importance of fracturing in the Pimenta Bueno-Ro Basin structure: A study of the morphostructural elements of the rupture-ductile character through remote sensing techniques and products
[INPE-5004-TDL/398] 05 p0688 N91-13825
Implementation of the MAGINT-MAGGRAF code in the microVAX-3600 system
[INPE-5042-PRE/1575] 05 p0700 N91-13898
Analysis of parallelism for nonlinear programming
[INPE-5121-TDL/422] 05 p0700 N91-13899
Sweeping-vector conversion for polygonal data
[INPE-4558-PRE/1299] 05 p0730 N91-14077
Georelational data model: A conceptual vision of a geographical information system
[INPE-4612-PRE/1335] 05 p0730 N91-14078
Utilization of IHS transformation for integration of images of differing resolutions: Urban land use study
[INPE-4606-PRE/1329] 05 p0731 N91-14086
Centimeter emission variation of Venus: Its second phase
[INPE-5122-TDL/423] 05 p0767 N91-14257
SCD 02 thermal design 11 p1657 N91-19129
SCD1 thermal design and test result analysis
11 p1657 N91-19130
Experimental determination of satellite bolted joints thermal resistance 11 p1662 N91-19157
AVHRR/NOAA imagery navigation from the geodetic reference matrix: Studies and evaluations
[INPE-5216-PRE/1672] 13 p2022 N91-21126
OD system for the first Brazilian satellite-software testing, analysis, and assessment
[INPE-5158-PRE/1637] 13 p2031 N91-21169
Real time assisted tracking for low Earth orbit satellites
[INPE-5157-PRE/1636] 13 p2031 N91-21170
A stochastic approach to the problem of spacecraft optimal manoeuvres
[INPE-5192-PRE/1660] 13 p2031 N91-21171
Determination of pitch and roll angles with respect to a point on earth surface
[INPE-5206-PRE/1668] 13 p2039 N91-21215
Proposed methodology for the study of urban environment and space structure in metropolitan area
[INPE-5203-PRE/1665] 13 p2039 N91-21216
Materials for aerospace vehicles friction drag reduction surfaces
[INPE-5188-PRE/1656] 13 p2039 N91-21217
Attitude control simulation of the data collecting satellite: SCD2
[INPE-5159-PRE/1638] 13 p2040 N91-21218
Requirements and trade-off studies in satellite mechanical architecture
[INPE-5186-PRE/1654] 13 p2040 N91-21219
Comparative study of VLF signals in the sub-Antarctic region
[INPE-5165-TDL/426] 13 p2071 N91-21406
Study of asymmetrical electric discharges using particle simulation
[INPE-5198-TDL/427] 13 p2076 N91-21432
Evaluation of TM/LANDSAT-5 bands in the discrimination of wheat and beam crops
[INPE-5204-PRE/1666] 13 p2107 N91-21602
Remote sensing estimation of total chlorophyll pigment distribution in Barra Bonita Reservoir
[INPE-5202-PRE/1664] 13 p2108 N91-21603
TM/LANDSAT-5 multispectral reflectance for the remote sensing of the condition of bean crop vigor
[INPE-5184-PRE/1652] 13 p2108 N91-21604
Experiences in assessing changes in the use of savanna ecosystems
[INPE-5187-PRE/1655] 13 p2108 N91-21605
Verification of parameters and morphological-environmental properties, by satellite imagery, for studies of coastal region planning
[INPE-5177-PRE/1646] 13 p2108 N91-21606
Temporal variation of areas occupied by aquatic macrophytes in the Tucurui reservoir through Landsat/TM data
[INPE-5174-PRE/1643] 13 p2108 N91-21607
Spot 1: Imagery in geologic mapping: A comparative study with several remote sensing products in the Curaca River Valley, Bahia
[INPE-5136-PRE/1624] 13 p2108 N91-21608
Use of direct expansion for estimation of soybean and corn areas through multispectral and temporal LANDSAT/TM data
[INPE-5180-PRE/1649] 13 p2109 N91-21609
Volcanic-sedimentary sequence of the Greenstone Belt type in the Santa Rita or Goias elevation: An approach with TM-Landsat data
[INPE-5178-PRE/1647] 13 p2109 N91-21610
Comparative analysis of AVHRR/NOAA and TM/LANDSAT data in the delimitation of savanna/forest contact area: Preliminary results
[INPE-5200-RPE/639] 13 p2109 N91-21611
Introduction to digital imagery processing
[INPE-5212-MD/46] 13 p2109 N91-21612
Discrimination of lithological units in the lower Valley of the Curaca River (Bahia), through enhancement of digital processing of MSS-LANDSAT-3 data
[INPE-5120-RPE/627] 13 p2109 N91-21613
Spectral responses of soybean and cotton from Landsat/TM digital data
[INPE-5179-PRE/1648] 13 p2110 N91-21614
Production of image proportions through a linear mixing model
[INPE-5170-PRE/1639] 13 p2110 N91-21615
Data integration of different sensor systems through the technique of IHS transformation, the purpose and study of intra-urban structure
[INPE-5171-PRE/1640] 13 p2110 N91-21616
A digital data bank for geological exploration in the mining belt of the Pojuca (Carajas) Cu-Zn deposit, based on geological, geochemical, remote sensing, and elevation data
[INPE-5172-PRE/1641] 13 p2110 N91-21617
Correlative studies between spectral responses and weathering indices of alternate weathered cover
[INPE-5176-PRE/1645] 13 p2110 N91-21618
Spectral characteristics of agricultural crops and yield
[INPE-5125-RPE/630] 13 p2110 N91-21619
Characterization of antropic action in the Mearim (MA) middle-low valley through LANDSAT/TM imagery
[INPE-5075-PRE/1594] 13 p2111 N91-21620
Evaluation of indigenous areas utilizing TM/LANDSAT data
[INPE-5173-PRE/1642] 13 p2114 N91-21636
Audiomagnetotelluric (AMT) soundings in the proximity of the Camaqua (RS) mines
[INPE-5213-RPE/641] 13 p2117 N91-21651
Variability of the Sq focus position in the South American continent
[INPE-4740-PRE/1415] 13 p2117 N91-21652
Statistical forecasting of precipitation associated with the passage of frontal systems in the south region of Brazil
[INPE-5208-TDL/429] 13 p2121 N91-21672
IDEAL, a dialogic interface in a natural language for expert systems
[INPE-5151-TDL/424] 13 p2133 N91-21742
Implementation of a matrix theorem prover for propositional modal logic
[INPE-5124-RPE/629] 13 p2133 N91-21743
Implementation in two classes of C (++) for morphological processing of images
[INPE-5217-RPE/642] 13 p2133 N91-21744
A monotone decreasing algorithm for the 0-1 multiknapsack dual problem
[INPE-5160-RPE/635] 13 p2133 N91-21745
Identification of parameters derived from inertial sensors
[INPE-5166-RPE/637] 13 p2134 N91-21746
Utilization of GPIOP in the matrix processor FPS-5410
[INPE-5152-RPE/634] 13 p2134 N91-21747
Numerical analysis methods. Volume 3: Autocorrection methods
[INPE-5196-MD/45] 13 p2144 N91-21807
Nuclear radiation detectors
[INPE-5090-MD/44] 13 p2150 N91-21847
Design and construction of a formed pulse circuit for a plasma centrifuge
[INPE-5161-RPE/639] 13 p2158 N91-21895
Experimental study project of plasma waves and turbulences
[INPE-5127-RPE/632] 13 p2158 N91-21896
Identification of information needs in a research institute
[INPE-5154-TDL/425] 13 p2168 N91-21967
NGC3309: An S-shaped radio galaxy in a nearby cluster
[INPE-5143-PRE/1631] 13 p2181 N91-22054
Spectral analysis of annual sunspot series: An update
[INPE-5207-PRE/1669] 13 p2183 N91-22060
An unusual case of meter wave type-3 bursts leading millimeter-wave bursts
[INPE-5140-PRE/1628] 13 p2183 N91-22064
Telecommand software for the Brazilian complete space mission 14 p2209 N91-22196
Telemetry processing and displaying software for the Brazilian complete space mission
14 p2209 N91-22198
Satellite control system nucleus for the Brazilian complete space mission 14 p2210 N91-22203
The antenna manager software for the Brazilian satellite: Implementation and study 14 p2211 N91-22214
Remote sensing and limnology: Preliminary studies of the Uhe-Tucurui Reservoir
[INPE-5181-PRE/1650] 14 p2283 N91-22625
Application of remote sensing data integrated with a digital elevation model in the geobotanical research in the Carajas Mountains
[INPE-5189-PRE/1657] 14 p2284 N91-22630
Development of an interactive data base with elements generated by sweeping for a CAD system
[INPE-5118-TDL/420] 14 p2304 N91-22732
A hybrid knowledge representation tool
[INPE-5195-PRE/1663] 14 p2339 N91-22930
Detection of mining activities in the Yanomani Indian Reserve through LANDSAT-TM imagery
[INPE-5182-RPE/638] 15 p2456 N91-23609
Analysis of methods for the calculation of aerodynamic characteristics of artificial satellite reentry models
[INPE-5185-PRE/1653] 16 p2566 N91-24223
Report of the activities of the Laboratorio Associado de Plasma of INPE in the biennium 88/89
[INPE-5201-PRE/640] 16 p2691 N91-24900
A practical example of forest mapping and timber volume estimation using LANDSAT-5 TM imagery
[INPE-5244-PRE/1675] 21 p3534 N91-29635
Development of an incinerator for viscous residues
[INPE-5219-TDL/433] 22 p3624 N91-30159
Analysis of the dynamics and control of an artificial satellite with extendable solar arrays
[INPE-5220-TDL/436] 22 p3630 N91-30197
Analysis of electrothermal thrusters
[INPE-5240-TDI/440] 22 p3639 N91-30253
Impact of anthropogenic effects on the Lake Acu basin based on LANDSAT imagery
[INPE-5020-RPE/614] 22 p3696 N91-30578
Contributions of remote sensing to forest resources management: State of the art and perspectives
[INPE-5248-PRE/1679] 22 p3696 N91-30579
Remote sensing and digital processing of geological images
[INPE-4828-PRE/1459] 22 p3696 N91-30580

Soil erosion risk map: An approach using the Geographic Information System and orbital imagery
[INPE-5229-TDL/434] 22 p3696 N91-30581
Techniques of movement detection in the monitoring of reforested areas using LANDSAT/TM data
[INPE-5230-RPE/645] 22 p3697 N91-30582
Evaluation of the accuracy of thematic mapping and measurement of an area mapped from satellite data
[INPE-5223-NTE/296] 22 p3697 N91-30583
Spectral reflectance of leaves ex situ: A methodological approach
[INPE-5233-PRE/1673] 22 p3697 N91-30584
Implementation of an image processing system using an extended definition of the image
[INPE-4742-PRE/1416] 22 p3697 N91-30585
Effect of coffee plantation cultural variables on LANDSAT-5/TM
[INPE-5209-TDL/430] 22 p3697 N91-30586
Comparison of radiometric transformation of LANDSAT-5/TM data to reflectance data
[INPE-5210-TDL/431] 22 p3697 N91-30587
Study of the behavior of electron density of the lower ionosphere during absorption of the polar cap at latitudes in the Southern Hemisphere and the region of the South Atlantic Geomagnetic Anomaly
[INPE-5232-TDL/439] 22 p3707 N91-30630
Analysis of long wave disturbances in the east over the southern equatorial Atlantic Ocean
[INPE-5222-TDL/437] 22 p3710 N91-30649
Graphic interface for structured environment visualization as applied to robot control
[INPE-5231-RPE/646] 22 p3741 N91-30842
Application of Gestalt theory concepts for image interpretation for robot movement navigation
[INPE-5225-TDL/438] 22 p3741 N91-30843
Activities report on the experimental study of particle diffusion in superficially confined plasma for multidipolar magnetic fields
[INPE-5228-RPE/644] 22 p3756 N91-30938
Solar illumination geometry and its influence on the observance of geological structures in orbital imagery
[INPE-3424-PRE/687] 22 p3777 N91-31066
Spectrum variability study of radio sources in the 22 to 43 GHz range
[INPE-5218-TDL/432] 22 p3778 N91-31071
Continuous millimeter radiation diagnostics of the Carina Nebula, CTB-33 and the Galactic Center
[INPE-5221-TDL/435] 22 p3778 N91-31072
Introduction to the study of cosmic rays and their interaction with the terrestrial atmosphere
[INPE-5243-RPQ/649] 22 p3778 N91-31073

INSTITUTO DE RADIOASTRONOMIA, GRANADA (SPAIN).
CS in nearby galaxies: Distribution, kinematics, and multilevel studies 05 p0762 N91-14235
Millimetre observations of comets P/Borrsen-Metcalf (1989o) and Austin (1989c1) with the IRAM 30-m radio telescope 12 p2004 N91-21029

INSTITUTO GEOFISICO DEL PERU, LIMA.
Statistical characteristics of MST radar echoes and its interpretation 18 p3009 N91-26617

INSTITUTO NACIONAL DE TECNICA AEROESPACIAL, MADRID (SPAIN).
Guided weapon simulation: The SBGL development experience 07 p1043 N91-15722
A review of some aspects on designing fuzzy controllers 17 p2733 N91-25132

INSTRUMENTS SERVICE AERODYNAMIQUE, LONGJUMEAU (FRANCE).
Ruled and holographic gratings experiment (AO 138-5) 16 p2722 N91-25075

INTECS SISTEMI S.P.A., ROME (ITALY).
ESSOPE: Expert system for spacecraft operations planning and execution 14 p2218 N91-22258

INTECS TOSCANA S.R.L., PISA (ITALY).
A possible architecture of a distributed hard real-time executive for space applications 14 p2215 N91-22242
The SCOS man-machine interface project 14 p2222 N91-22283

INTEGRATED SYSTEMS, INC., SANTA CLARA, CA.
Adaptive control of large space structures
[AD-A227304] 06 p0792 N91-14377

INTEL CORP., BEAVERTON, OR.
Touchstone project: Milestone event Q4
[AD-A224034] 02 p0264 N91-11480
Touchstone project Mach port: Milestone event Q4
[AD-A224057] 02 p0264 N91-11481
Touchstone project DELTA numeric node: Milestone event Q4
[AD-A224060] 02 p0264 N91-11482
High performance computing for large eddy simulations: Today and tomorrow
[AD-A231220] 13 p2135 N91-21758

INTEL CORP., SANTA CLARA, CA.
FTIR (Fourier Transform Infrared) spectrophotometry for thin film monitors: Computer and equipment integration for enhanced capabilities
[DE91-001228] 06 p0879 N91-14853
Exploiting local flexibility during execution of pre-computed schedules
[AD-A230114] 12 p1994 N91-20978

INTELLIGENT SYSTEMS LAB., CHANTILLY, VA.
TDRSS momentum unload planning 14 p2312 N91-22771

INTELLISYS CORP., ALBUQUERQUE, NM.
Development of a high-imaging speed SEM for dynamically loaded materials
[AD-A229244] 10 p1535 N91-18451

INTERCON SYSTEMS CORP., ALEXANDRIA, VA.
Cathode life test facility users manual operating and measurement procedures
[AD-A232506] 16 p2619 N91-24502

INTERIOR DEPT., WASHINGTON, DC.
Digital roughness gauge
[PB91-119750] 12 p1900 N91-20448
Geological Gyrocompass
[PB91-119743] 12 p1900 N91-20449

INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA (AUSTRIA).
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
Passive control of vertical instabilities in ITER
[DE90-706120] 03 p0419 N91-12345
International document on food irradiation
[DE91-615879] 13 p2128 N91-21715

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT, WASHINGTON, DC.
Satellite remote sensing for agricultural projects
[PB90-257916] 02 p0227 N91-11270

INTERNATIONAL BUSINESS MACHINES CORP., GAITHERSBURG, MD.
IBM STARS repository guidebook
[AD-A228470] 09 p1380 N91-17590
Repository operations and procedures for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228472] 09 p1381 N91-17592
Repository guidebook for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228474] 09 p1381 N91-17593
Cooperative ADS/AAS integration 24 p3958 N91-32120

INTERNATIONAL BUSINESS MACHINES CORP., HOUSTON, TX.
Knowledge-based assistance in costing the space station DMS 01 p0105 N91-10611
Expert system verification and validation study. Delivery 1: Survey and interview questions
[NASA-CR-188111] 12 p1961 N91-20788
Expert system verification and validation survey. Delivery 2: Survey results
[NASA-CR-188110] 12 p1961 N91-20789
Expert system verification and validation study. Phase 2: Requirements identification. Delivery 1: Updated survey report
[NASA-CR-188109] 12 p1961 N91-20790
Expert system verification and validation study. Phase 2: Requirements Identification. Delivery 2: Current requirements applicability
[NASA-CR-188108] 12 p1961 N91-20791
Expert system verification and validation survey. Delivery 3: Recommendations
[NASA-CR-188107] 12 p1961 N91-20792
Expert system verification and validation survey, delivery 4
[NASA-CR-188106] 12 p1961 N91-20793
Expert system verification and validation survey. Delivery 5: Revised
[NASA-CR-188105] 12 p1961 N91-20794

INTERNATIONAL BUSINESS MACHINES CORP., MANASSAS, VA.
Single event test method and test results on the Intel 80386 24 p3998 N91-32343

INTERNATIONAL BUSINESS MACHINES CORP., SAN JOSE, CA.
Covalent and ionic contributions to the bonding of atomic and molecular adsorbates on metal surfaces: A cluster model approach
[AD-A229947] 12 p1976 N91-20868
Observation of the photorefractive effect in a polymer
[AD-A231339] 13 p2057 N91-21322
Finding a single molecule in a haystack: Laser spectroscopy of solids from square root of (N to N) = 1
[AD-A230910] 13 p2093 N91-21521
Observation of spectral diffusion in crystals using single impurity molecules
[AD-A231338] 13 p2162 N91-21926
Conference on Theoretical Aspects of Reasoning About Knowledge
[AD-A232657] 15 p2492 N91-23798

INTERNATIONAL BUSINESS MACHINES CORP., YORKTOWN HEIGHTS, NY.
The simultaneous integration of many trajectories using nilpotent normal forms
[NASA-CR-187318] 05 p0708 N91-13950
Resonant tunneling IR detectors 06 p0795 N91-14395
Chemistry of fluorine in the oxidation of silicon
[AD-A234959] 18 p2949 N91-26272
Surface etching and roughening in integrated processing of thermal oxides
[AD-A234960] 18 p2980 N91-26456

INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS, TRIESTE (ITALY).
The cousin problems in the viewpoint of partial differential equations
[DE90-627172] 01 p0113 N91-10656
Operator formalism of multi-pole Virasoro algebra on Riemann sphere
[DE90-627217] 01 p0113 N91-10657
Continuum states of the Klein-Gordon equations for vector and scalar interactions
[DE90-627178] 01 p0117 N91-10693
Temporal behaviour of self generated magnetic field and its influence on inhibition of thermal flux in ICF plasma
[DE90-627478] 01 p0124 N91-10731
The computer algebra approach of the finite difference methods for PDEs
[DE90-631581] 06 p0867 N91-14790
Monogenic functions with parameters in Clifford analysis
[DE90-631582] 07 p1056 N91-15804
Quantifying the FIR interaction enhancement in paired galaxies 08 p1253 N91-16900
Luminosity profiles and the evolution of shock waves in general relativistic radiating spheres
[DE90-622195] 09 p1331 N91-17309
Structure breaking and electron localization in liquid cryolite-sodium solutions
[DE91-618515] 16 p2607 N91-24448
The Witten-Jones invariant for flows on a 3-dimensional manifold
[DE91-617576] 16 p2626 N91-24540
Investigation of surface deformations by double exposure holographic interferometry
[DE91-619238] 16 p2630 N91-24564
The JCM with initial number-phase minimum uncertainty state field
[DE91-617584] 16 p2683 N91-24858
Dynamic toroid polarizability of atomic hydrogen
[DE91-617732] 16 p2684 N91-24859
Laser Raman and infrared spectroscopic studies of molecular systems: Structural analysis of some clathrate compounds
[DE91-617733] 16 p2684 N91-24860
Photoelectron spectroscopy via electronic spectroscopy of molecular ions
[DE91-617734] 16 p2684 N91-24861
The effect of polarization over 2nd harmonic in laser light scattering by free electrons
[DE91-617768] 16 p2684 N91-24862
Theoretical prediction of nonlinear Brewster angle in ADP
[DE91-617792] 16 p2691 N91-24897
Elastic constants of the hard disc system in the self-consistent free volume approximation
[DE91-617800] 16 p2696 N91-24926
Superconductivity in doped antiferromagnets
[DE91-618100] 16 p2696 N91-24928
Resonant method for the measurement of the glass transition temperature at high frequencies
[DE91-618684] 20 p3326 N91-28416
Results of agriclimatological studies using multiple satellite sensors like NOAA AVHRR; GMS IR; and LANDSAT MSS and TM
[DE91-618773] 20 p3375 N91-28698
Towards the exact nature of a certain error term
[DE91-617574] 20 p3393 N91-28801
Stability theory of critical cases and the bifurcation points of the stationary solutions of the Lorenz model
[DE91-617575] 20 p3393 N91-28802
Spin 4 and 7/2 extended conformal algebra
[DE91-617609] 20 p3393 N91-28803
A cluster approximation for the transfer-matrix method
[DE91-617790] 20 p3393 N91-28804
The determination of the momentum matrix elements involved in calculating the dielectric constants of superlattices using the tight-binding method
[DE91-617789] 20 p3428 N91-29017
Transit time for resonant tunneling
[DE91-617799] 20 p3429 N91-29018

Coherent charge fluctuations in Josephson junctions and the oscillations of the effective capacitance
[DE91-618098] 20 p3429 N91-29019
Path-integral measure for Chern-Simons theory within the stochastic quantization approach
[DE91-617610] 20 p3435 N91-29056
The (2,0) super Beltrami parametrization and superconformal structures
[DE91-617611] 20 p3435 N91-29057
The 't Hooft's solution for arbitrary semisimple Lie group
[DE91-617572] 21 p3564 N91-29813
The Kramers problem: Fifty years of development
[DE91-617583] 21 p3571 N91-29855
Dielectric function of semiconductor superlattice
[DE91-617788] 21 p3591 N91-29976
Orbitals, correlation, valencies in high-T(sub c) superconductors
[DE91-618099] 21 p3591 N91-29977
The multi-pole Neveu-Schwarz algebra on Riemann supersphere
[DE91-617612] 22 p3743 N91-30858
Stress relaxation in bending of type AISI 304 stainless steel at 773K and 823K
[DE91-618657] 23 p3883 N91-31666

INTERNATIONAL CIVIL AVIATION ORGANIZATION, MONTREAL (QUEBEC).
International standardization of future air navigation systems Automatic Dependent Surveillance (ADS) ICAO ADS Panel activities 24 p3955 N91-32096

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS, KYOTO (JAPAN).
Middle Atmosphere Program. Handbook for MAP. Volume 30: International School on Atmospheric Radar
[NASA-CR-188623] 18 p3009 N91-26613

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS, URBANA, IL.
Handbook for MAP, volume 32. Part 1: MAP summary. Part 2: MAPSC minutes, reading, August 1989. MAP summaries from nations. Part 3: MAP data catalogue
[NASA-CR-188151] 14 p2284 N91-22631
Middle Atmosphere Program. Handbook for MAP. Volume 31: Reference models of trace species for the COSPAR international reference atmosphere
[NASA-CR-188625] 19 p3188 N91-27632

INTERNATIONAL FLAME RESEARCH FOUNDATION, IJMUIDEN (NETHERLANDS).
Adjustment of the mixing-rate constant in the eddy break-up model for a jet flame 23 p3941 N91-32030

INTERNATIONAL FUEL CELLS CORP., SOUTH WINDSOR, CT.
Molten carbonate fuel cell power plant systems studies
[DE90-009697] 02 p0232 N91-11298
Molten carbonate fuel cell technology improvement
[DE91-005540] 11 p1726 N91-19505
Task 1.0, development of improved molten carbonate fuel cell
[DE91-002055] 14 p2281 N91-22618
Advanced water-cooled phosphoric acid fuel cell development
[DE90-009700] 20 p3368 N91-28657
Advanced water-cooled phosphoric acid fuel cell development
[DE91-012243] 20 p3368 N91-28659
Impact of fundamental technical improvements to natural gas fuel cells
[PB91-206615] 24 p4039 N91-32570

INTERNATIONAL INST. FOR AEROSPACE SURVEY AND EARTH SCIENCES, ENSCHEDE (NETHERLANDS).
Activities report of the International Institute for Aerospace Survey and Earth Sciences
[ETN-91-98767] 10 p1537 N91-18461

INTERNATIONAL MARITIME SATELLITE ORGANIZATION, LONDON (ENGLAND).
INMARSAT access approval 24 p3957 N91-32110

INTERNATIONAL METEOROLOGICAL INST., STOCKHOLM (SWEDEN).
The MISU baseline station
[AA-2] 22 p3703 N91-30611
Activities report of the International Meteorological Institute
[ISSN-0349-0068] 22 p3711 N91-30653
Initialization of the HIRLAM model using a digital filter
[DM-57] 23 p3896 N91-31747

INTERNATIONAL NEURAL NETWORK SOCIETY, BETHESDA, MD.
First Annual Meeting of International Neural Network Society
[AD-A230283] 13 p2139 N91-21777

INTERNATIONAL RESEARCH AND DEVELOPMENT CO. LTD., FOSSWAY (ENGLAND).
The world of superconductive machinery 05 p0724 N91-14045

INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, BELLINGHAM, WA.
Laser induced damage in optical materials: 1989
[PB91-148478] 19 p3170 N91-27527

INTERNATIONAL SUPERCONDUCTIVITY TECHNOLOGY CENTER, TOKYO (JAPAN).
Steerable windowed enclosures
[PATENT-1-262-653] 23 p3791 N91-31142

INTERNATIONAL TELECOMMUNICATIONS SATELLITE ORGANIZATION, WASHINGTON, DC.
International two-way satellite time transfers using INTELSAT space segment and small Earth stations 17 p2856 N91-25791

INTERNATIONAL TRADE CENTRE UNCTAD/GATT, GENEVA (SWITZERLAND).
International document on food irradiation
[DE91-615879] 13 p2128 N91-21715

INTERNATIONALE ATOMREAKTORBAU G.M.B.H., BENSBERG (GERMANY, F.R.).
The deep drop shaft North-Rhine Westphalia (Germany, F.R.): A possible new microgravity research facility 07 p0959 N91-15277

INTERSCIENCE, INC., TROY, NY.
Status of target physics for inertial confinement fusion
[DE90-008221] 08 p1225 N91-16751
Heavy Neutral Beam Probe for edge plasma analysis in tokamaks
[DE91-016290] 24 p4104 N91-32935

INTERSONICS, INC., NORTHBROOK, IL.
NCTM of liquids at high temperatures using polarization techniques 13 p2061 N91-21345
Optical property measurements as a diagnostic tool for control of materials processing in space and on Earth 13 p2064 N91-21366
Containerless processing of amorphous ceramics 13 p2064 N91-21367
Some considerations for various positioning systems and their science capabilities 13 p2065 N91-21372
Development of high temperature containerless processing equipment and the design and evaluation of associated systems required for microgravity materials processing and property measurements
[NASA-CR-184158] 16 p2629 N91-24558

INTERUNIVERSITY MICRO-ELECTRONICS CENTER, LEUVEN (BELGIUM).
New developments in non-volatile semiconductor memory technologies and devices 24 p3991 N91-32295
Optimization of CMOS technology and design for deep cryogenic analog circuits 24 p3991 N91-32296

INTESPACE, TOULOUSE (FRANCE).
SIMMER 07 p0952 N91-15230
Theoretical and experimental study of horn-acoustic chamber coupling 07 p0954 N91-15246
A survey of finite element model updating methods 07 p0956 N91-15259
Intespace safety system for IPA full tanks spacecraft vibration tests 07 p0957 N91-15267
Solar simulated fluxes spectral analysis automation 07 p0958 N91-15272
A new need for mechanical test data analysis: An interactive software for manipulation and computation specification and example of implementation 07 p0959 N91-15281

INTOSPACE G.M.B.H., HANOVER (GERMANY, F.R.).
Industrial and scientific application of space travel 04 p0491 N91-12731

IONA COLL., NEW ROCHELLE, NY.
The development of structure for the representation and manipulation of sophisticated knowledge in intelligent systems
[AD-A229114] 11 p1813 N91-19957

IOWA STATE UNIV. OF SCIENCE AND TECHNOLOGY, AMES.
Numerical computation of viscous flow about unconventional airfoil shapes
[NASA-CR-187343] 01 p0004 N91-10019
Simulation of time-dependent compressible viscous flows using central and upwind-biased finite difference techniques 01 p0040 N91-10234
Study of mixed mode stress intensity factor using the experimental method of transmitted caustics 01 p0055 N91-10324
Tests and applications of Cherenkov imaging in TeV astronomy 01 p0136 N91-10807
Transient infrared emission spectroscopy
[DE90-017253] 02 p0194 N91-11083
Microfilamentary Bi2Sr2Ca1Cu2O8 fibers
[DE90-018013] 02 p0279 N91-11571
Radial profiles of gas in late-type disk galaxies 05 p0735 N91-14107
Star formation on the leading edge of a ring-like density wave in Arp 143 05 p0754 N91-14198
Prediction of steady and unsteady flow and heat transfer over a cylinder in crossflow using a space-time marching algorithm 07 p1004 N91-15510
Computation of turbulent flow about unconventional airfoil shapes 08 p1091 N91-15992
Modeling and control of a two-arm elastic robot in gravity 08 p1160 N91-16389
Camera space manipulation of a mobile robot 08 p1160 N91-16390
Multi-waveband observations of colliding galaxies 08 p1247 N91-16868
Caustic waves in galaxy disks produced in coliisions with low mass companions 08 p1264 N91-16960
Numerical solution of the steady, compressible, Navier-Stokes equations in two and three dimensions by a coupled space-marching method 09 p1334 N91-17325
Investigation of physical structures and interactions at high energy
[DE91-005582] 09 p1398 N91-17691
Viscous flux motion in anisotropic type-2 superconductors in low fields
[DE91-006675] 10 p1608 N91-18871
Localization and electron-phonon interaction in disordered systems
[DE91-007654] 11 p1793 N91-19837
On computations of the integrated space shuttle flowfield using overset grids 14 p2187 N91-22076
Model-based ultrasonic flaw classification and sizing 14 p2273 N91-22572
The boundary element method applied to static and dynamic crack problems using hypersingular boundary integral equations 14 p2275 N91-22581
The effect of atmospheric diabatic heating on low-frequency oscillations 14 p2285 N91-22634
Inclusive D*(+,-) production in photon-photon collisions
[NIKHEF-H/90-16] 14 p2324 N91-22836
Theoretical models of gas dynamics and star formation in interacting ring galaxies
[NASA-CR-188157] 14 p2344 N91-22959
Atrane and quadroped frameworks in early transition metal and silicon GRO stereochemistry: Monomers and oligomers
[AD-A232837] 15 p2408 N91-23331
Intermediate/high energy nuclear physics
[DE91-010702] 15 p2504 N91-23868
Simulation of a combined-cycle engine
[NASA-CR-188232] 16 p2635 N91-24583
Simulational studies of the formation and properties of ring galaxies and leading one-arm spirals due to galaxy encounters 16 p2702 N91-24962
The search for extended infrared emission near interacting and active galaxies
[NASA-CR-187946] 16 p2705 N91-24969
Ultrasonic characterization of elastic constants and defects in composite materials 17 p2746 N91-25191
Emission control in diesel engines by alcohol fumigation
[PB91-140335] 17 p2763 N91-25299
A primitive variable, strongly implicit calculation procedure for two and three-dimensional unsteady viscous flows: Applications to compressible and incompressible flows including flows with free surfaces 17 p2775 N91-25360
Atmospheric oscillations on time scales of 1-2 months 17 p2811 N91-25536
Computer modeling of soot formation comparing free radical and ionic mechanisms
[AD-A235007] 18 p2949 N91-26273
A numerical study of blocking 18 p3014 N91-26640
The aeolian wind tunnel 18 p3086 N91-27065
Microstructural investigations of rapidly solidified Cu-Nb alloy powders produced by inert gas atomization
[AD-A235428] 19 p3133 N91-27312
Modification of axial-flow compressor stall margin by variation of stationary blade setting angles
[AD-A238406] 21 p3459 N91-29186

IOWA UNIV., IOWA CITY.
Global optimization methods for engineering design 01 p0052 N91-10310
Radio wave remote sensing by Cluster and Regatta 01 p0072 N91-10439
A search for small comets in consecutive images acquired with a ground-based telescope 02 p0290 N91-11626
Whistlers in Neptune's magnetosphere: Evidence of atmospheric lightning
[NASA-CR-187324] 02 p0293 N91-11642
Nonlinear viscous waves produced by an impulsively moving plate 05 p0655 N91-13641
Plasma waves associated with the space shuttle 06 p0918 N91-15064
Improvement of flexible dynamics models by analytical and experimental techniques 07 p1009 N91-15540
Interaction of a neutral cloud moving through a magnetized plasma 09 p1404 N91-17728

Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
Configuration space Faddeev calculations
[DE91-008517] 12 p1978 N91-20887
Generalizing the hop: Object-level programming for legged motion
[AD-A231315] 13 p2098 N91-21549
Optimal combining of ground-based sensors for the purpose of validating satellite-based rainfall estimates
[NASA-CR-188185] 14 p2291 N91-22669
Large scale motions of Neptune's bow shock: Evidence for control of the shock position by the rotation phase of Neptune's magnetic field
[NASA-CR-188059] 14 p2343 N91-22954
Computational life prediction methodology for mechanical systems using dynamic simulation, finite element analysis, and fatigue life prediction methods
15 p2436 N91-23494
H-infinity approach to manipulator control
15 p2436 N91-23495
Numerical methods for constrained equations of motion in mechanical systems dynamics
16 p2634 N91-24578
Wick-type liquid-metal combustion
[AD-A236204] 19 p3126 N91-27271
Interpretation of plasma diagnostics package results in terms of large space structure plasma interactions
[NASA-CR-188651] 19 p3248 N91-27961
Analysis of shock propagation and shock-initiated reaction in granular energetic materials
20 p3331 N91-28446
Recursive linearization of multibody dynamics and application to control design 20 p3356 N91-28588
High resolution measurements of density structures in the Jovian plasma sheet
[NASA-CR-188918] 24 p4123 N91-33043

IPS RADIO AND SPACE SERVICES, CHATSWOOD (AUSTRALIA).
Solar-Terrestrial Predictions. Proceedings of a Workshop. Volume 1: Working group reports, review papers and solar papers
[PB91-197079] 22 p3777 N91-31064
Solar-Terrestrial Predictions: Proceedings of a workshop. Volume 2: Geomagnetic and space environment papers and ionosphere papers
[PB91-197087] 22 p3777 N91-31065

IRVINE TECHNOLOGY GROUP, INC., FULLERTON, CA.
Airbreathing booster performance optimization using a microcomputer 16 p2568 N91-24235

ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO. LTD., TOKYO (JAPAN).
Aerothermal analysis for gas turbine combustion liner cooling slots 04 p0454 N91-12534
A numerical calculation method for three-dimensional flows in the dump diffuser of gas turbine combustor
04 p0463 N91-12593
Numerical analysis of high velocity flow field around the bluff body 04 p0468 N91-12621
Present and future of CFD on the aero-engine development in IHI 13 p2067 N91-21381
Supersonic inlet flow computations with cavity
24 p3945 N91-32049

ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO. LTD., YOKOHAMA (JAPAN).
Numerical simulation of buffer flow in a free flow electrophoresis chamber 08 p1141 N91-16279

ISRAEL AIRCRAFT INDUSTRIES LTD., BEN-GURION AIRPORT.
Real time estimation of aircraft angular attitude
[IAITIC-87-1004] 15 p2369 N91-23107
IAI hypersonic wind tunnel
[IAITIC-87-1006] 15 p2384 N91-23194
Improved quality acceptance procedure for interlaminar shear strength
[IAITIC-87-1005] 15 p2392 N91-23238
MIK-guided bomb simulation
[IAITIC-87-1003] 15 p2409 N91-23337
A method of constructing a pair of pseudorandom sequences with a useful crosscorrelation function
[IAITIC-87-1001] 15 p2410 N91-23345
Computerized system for static and fatigue large scale structural tests: A case study
[IAITIC-87-1007] 15 p2441 N91-23522
A simple solution to the singular linear minimum-variance estimation problem
[IAITIC-87-1002-REV] 15 p2493 N91-23804

ISRAEL INST. OF METALS, HAIFA.
Laser and electrochemical studies of metallizations in electronic devices
[AD-A229747] 12 p1874 N91-20300
Laser and electrochemical studies of metallizations electronic devices
[AD-A229801] 12 p1875 N91-20307

ISRAEL INST. OF TECH., HAIFA.
Boundary value problems for semilinear elliptic equations
[ITN-90-85018] 16 p2677 N91-24816

ISTANBUL UNIV. (TURKEY).
Aerodynamic characteristics of cylindrical bodies with pointed and truncated conical noses
06 p0773 N91-14289

ISTAR, INC., SANTA MONICA, CA.
Detonation duct gas generator demonstration program
[NASA-CR-187137] 19 p3106 N91-27163

ISTITUTO DI RADIOASTRONOMIA, BOLOGNA (ITALY).
Dumb-bell galaxies in southern clusters: Catalog and preliminary statistical results 08 p1252 N91-16896

ISTITUTO ELETTROTECNICO NAZIONALE (GALILEO FERRARIS), TURIN (ITLAY).
Activities report of the Istituto Elettrotecnico Nazionale Galileo Ferraris
[ETN-91-98868] 11 p1790 N91-19822
Time and frequency comparisons in Europe by means of ECS 5 geostationary satellite
17 p2851 N91-25764
Time scale algorithm: Definition of ensemble time and possible uses of the Kalman filter
17 p2852 N91-25767

ISTITUTO UNIVERSITARIO NAVALE, NAPLES (ITALY).
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390

ITALIAN SPACE AGENCY, ROME.
Blood pressure maturation curve in normotensive rats during growth in simulated microgravitational environment 11 p1753 N91-19644

ITT CORP., NUTLEY, NJ.
GPS Block 2R Time Standard Assembly (TSA) architecture 17 p2854 N91-25781

ITT SEALECTRO (UK), PORTSMOUTYH (ENGLAND).
Microwave blind mate coaxial connectors
24 p3994 N91-32317

J

JACKSON STATE UNIV., MS.
Geographic information systems: A primer
[AD-A231465] 13 p2169 N91-21974
Infrared and visible laser double resonance studies of vibrational energy transfer processes in polyatomic molecules
[DE91-012162] 18 p3061 N91-26910
Image databases: Problems and perspectives
19 p3268 N91-28074
Jackson State University's Center for Spatial Data Research and Applications: New facilities and new paradigms 19 p3269 N91-28079

JACKSONVILLE STATE UNIV., AL.
End-effector-joint conjugates for robotic assembly of large truss structures in space: A second generation
19 p3274 N91-28109

JAMIESON SCIENCE AND ENGINEERING, INC., SCOTTS VALLEY, CA.
New version of NASA-Ames/Jamieson Science and Engineering point source infrared sky model
[AD-A231953] 14 p2342 N91-22950

JAPAN ATOMIC ENERGY RESEARCH INST., IBARAKI.
Study on H-mode and improved confinement in JFT-2M 10 p1599 N91-18819
H-mode simulation 10 p1599 N91-18820
Numerical study of ion temperature gradient modes in a tokamak 20 p3413 N91-28921
Fluctuation spectrum of ion temperature gradient driven modes in sheared magnetic fields
20 p3415 N91-28936

JAPAN ATOMIC ENERGY RESEARCH INST., NAKA.
Transport analysis on JT-60 10 p1598 N91-18817

JAPAN ATOMIC ENERGY RESEARCH INST., TOKAI.
Developmental assessment of RELAP5/MOD3 code against ROSA-IV/TPTF horizontal two-phase flow experiments
[DE90-513748] 04 p0521 N91-12899
A nuclear cross section calculation system with simplified input-format
[DE90-008002] 17 p2861 N91-25820
Evaluation of neutron nuclear data for O-16
[DE90-008105] 17 p2861 N91-25822
Proceedings of the 1989 Seminar on Nuclear Data
[DE90-008196] 17 p2887 N91-25961

JAPAN ATOMIC ENERGY RESEARCH INST., TOKYO.
Effects of environment and aging on creep properties of Alloy 800H
[DE90-520207] 02 p0197 N91-11106
Study on radiation-induced deterioration of grease at high temperature. Part 1: Test method on thermal aging
[DE90-508070] 02 p0200 N91-11120
A method of using the inverse matrix for manipulator kinematics
[DE90-520210] 02 p0219 N91-11227
The transverse stress effect on the critical current of jelly-roll multifilamentary Nb3Al wires
[DE90-513710] 02 p0281 N91-11581
Automated finder for the critical condition on the linear stability of fluid motions
[DE90-513761] 04 p0521 N91-12900
PALLAS-1D(V3): Variable-dimension version of PALLAS-1D(7)
[DE90-513756] 04 p0557 N91-13088
High temperature tensile properties of nickel-base superalloys for intermediate heat exchangers of high temperature gas-cooled reactors
[DE91-744958] 11 p1685 N91-19284
Introduction to fusion
[DE91-744831] 11 p1805 N91-19912
Electron temperature of Gd plasma produced by laser resonance ionization
[DE91-744833] 11 p1805 N91-19913
Effects of pressure profile and plasma shaping on the n=1 internal kink mode in JT-60/JT-60U pellet fuelled plasmas
[DE91-744965] 11 p1805 N91-19914
Operation and characteristics of very low temperature irradiation test equipment
[DE91-744834] 12 p1872 N91-20285
Computer code conversion using HISTORIAN
[DE91-744830] 12 p1954 N91-20749
A modelling of robot manipulator dynamics based on Newton-Euler's equations
[DE91-772107] 17 p2785 N91-25414
Intercomparison of measuring and evaluation methods for environmental radiations
[DE91-772227] 17 p2809 N91-25527
Evaluation of neutron nuclear data for He-3 and He-4
[DE90-008017] 17 p2861 N91-25821
Effects of current profiles on the kink-ballooning stability
[DE91-772218] 17 p2870 N91-25874
Electrostatic particle simulations of density and temperature driven modes in a toroidal plasma
20 p3412 N91-28915

JAPAN AUTOMOBILE RESEARCH INST., TOKYO.
Automobiles and Global Environment Problem Workshop
[DE91-778700] 22 p3702 N91-30606

JAPAN INDUSTRIAL TECHNOLOGY ASSOCIATION, TOKYO.
New development for environmentally acceptable energy technologies
[DE91-727566] 07 p1026 N91-15634

JAPAN MARINE SCIENCE AND TECHNOLOGY CENTER, TOKYO.
Manned diving activities in JAMSTEC
15 p2450 N91-23572

JAYCOR, VIENNA, VA.
Time-dependent multimode simulation of gyrotron oscillators
[AD-A229861] 11 p1709 N91-19413
Depressed collector experiments on a quasioptical gyrotron
[AD-A234559] 18 p2987 N91-26492
User's guide to the (NCARAI) artificial intelligence technical library
[AD-A237270] 21 p3563 N91-29802
Gulf of Mexico circulation modeling study: Annual progress report: Years 3 and 4
[PB91-210666] 24 p4071 N91-32746

JBS TECHNOLOGIES, INC., THOUSAND OAKS, CA.
Versatile high performance holographic optical coatings
[AD-A225969] 04 p0527 N91-12919
Versatile high performance holographic optical coatings
[AD-A230090] 12 p1901 N91-20455

JCLP HYPERBARIE, PARIS (FRANCE).
Subsea habitats and space simulation
15 p2449 N91-23567

JEANNERET AND ASSOCIATES, INC., HOUSTON, TX.
Position requirements for space station personnel and linkages to portable microcomputer performance assessment
[NASA-CR-185606] 06 p0855 N91-14719

JET PROPULSION LAB., CALIFORNIA INST. OF TECH., PASADENA.
A Mobile Satellite Experiment (MSAT-X) network definition
[NASA-CR-187336] 01 p0017 N91-10105
Spacecraft Health Automated Reasoning Prototype (SHARP): The fiscal year 1989 SHARP portability evaluations task for NASA Solar System Exploration Division's Voyager project
[NASA-CR-187338] 01 p0034 N91-10204

Design and application of gas-gap heat switches
[NASA-CR-187339] 01 p0038 N91-10222
Probabilistic failure assessment with application to solid rocket motors 01 p0052 N91-10309
Analysis of elastically tailored viscoelastic damping member 01 p0054 N91-10319
A communication channel model of the software process 01 p0105 N91-10610
Ada software productivity prototypes: A case study 01 p0106 N91-10613
Solar emission levels at low radio frequencies
[NASA-CR-187337] 01 p0141 N91-10829
A phenomenological model of coating/substrate adhesion and interfacial bimetallic peeling stress in composite mirrors 03 p0327 N91-11816
Proceedings of the Fourteenth NASA Propagation Experimenters Meeting (NAPEX 14) and the Advanced Communications Technology Satellite (ACTS) Propagation Studies Miniworkshop
[NASA-CR-186974] 03 p0350 N91-11954
ACTS propagation program 03 p0350 N91-11956
Experiments for Ka-band mobile applications: The ACTS mobile terminal 03 p0351 N91-11961
Deep space propagation experiments at Ka-band 03 p0351 N91-11962
Land-mobile field experiments in Australia 03 p0353 N91-11968
ACTS propagation terminal prototype planning and design 03 p0353 N91-11970
A review of fade detection techniques 03 p0353 N91-11972
The Telecommunications and Data Acquisition Report
[NASA-CR-186995] 03 p0353 N91-11973
The first geocenter estimation results using GPS measurements 03 p0353 N91-11974
Computer simulations of ions in radio-frequency traps 03 p0354 N91-11975
Design of a fiber-optic transmitter for microwave analog transmission with high phase stability 03 p0354 N91-11976
Navigational utility of high-precision radio interferometer for Galileo's approach to Jupiter 03 p0354 N91-11977
Linear-phase approximation in the triangular facet near-field physical optics computer program 03 p0354 N91-11978
Site comparison for optical visibility statistics in southern Arizona 03 p0354 N91-11979
The theoretical limits of source and channel coding 03 p0354 N91-11980
A high-speed distortionless predictive image-compression scheme 03 p0354 N91-11981
Interagency telemetry arraying for Voyager-Neptune encounter 03 p0355 N91-11982
The Parkes front-end controller and noise-adding radiometer 03 p0355 N91-11983
The impact of NRZ data asymmetry on the performance of a space telemetry system 03 p0355 N91-11984
Technical considerations on using the large Nancay radio telescope for SETI 03 p0355 N91-11985
Mechanical isolation for gravity gradiometers 03 p0431 N91-12412
Solar irradiance variability during solar cycles 21 and 22 03 p0446 N91-12493
An application of multiattribute decision analysis to the Space Station Freedom program. Case study: Automation and robotics technology evaluation
[NASA-CR-187432] 05 p0627 N91-13476
Method for providing a polarization filter for processing synthetic aperture radar image data
[NASA-CASE-NPO-17904-1-CU] 05 p0648 N91-13594
Pipeline synthetic aperture radar data compression utilizing systolic binary tree-searched architecture for vector quantization
[NASA-CASE-NPO-17941-1-CU] 05 p0648 N91-13595
Secondary Li battery incorporating 12-crown-4 ether
[NASA-CASE-NPO-17922-1-CU] 05 p0652 N91-13621
Detection of multiple-bit errors from single-ion tracks in integrated circuits
[NASA-CASE-NPO-18075-1-CU] 05 p0652 N91-13622
Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU] 05 p0659 N91-13658
Millimeter-wave sensor image enhancement
[NASA-CR-187430] 05 p0662 N91-13679
Bilevel shared control for teleoperators
[NASA-CASE-NPO-17800-1-CU] 05 p0670 N91-13724
Composite passive damping struts for large precision structures
[NASA-CASE-NPO-17914-1-CU] 05 p0678 N91-13767
Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU] 05 p0683 N91-13796
Environmental projects. Volume 12: Friable asbestos abatement, GDSCC
[NASA-CR-188476] 05 p0685 N91-13808
Generic extravehicular (EVA) and telerobot task primitives for analysis, design, and integration. Version 1.0: Reference compilation for the EVA and telerobotics communities
[NASA-CR-187429] 05 p0696 N91-13876
Auto and hetero-associative memory using a 2-D optical logic gate
[NASA-CASE-NPO-17997-1-CU] 05 p0698 N91-13888
Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] 05 p0716 N91-13998
Total-dose radiation effects data for semiconductor devices (1989 supplement)
[NASA-CR-187431] 05 p0725 N91-14049
Efficient detection and signal parameter estimation with application to high dynamic GPS receiver
[NASA-CASE-NPO-17820-1-CU] 06 p0779 N91-14321
Proceedings of the Mars Global Network Mission Workshop
[NASA-CR-186844] 06 p0788 N91-14359
A polar orbit for the Mars Global Network Mission 06 p0788 N91-14361
Innovative Long Wavelength Infrared Detector Workshop Proceedings
[NASA-CR-187433] 06 p0792 N91-14379
Sensor requirements for Earth and planetary observations 06 p0793 N91-14380
A novel electron tunneling infrared detector 06 p0795 N91-14391
Fundamental limits to performance of quantum well infrared detectors 06 p0796 N91-14397
New heterojunction LWIR detector options 06 p0796 N91-14398
Novel Si(1-x)Ge(x)/Si heterojunction internal photoemission long wavelength infrared detectors 06 p0797 N91-14401
InAs/GaAs and InAs doping superlattices 06 p0799 N91-14409
High temperature refractory member with radiation emissive overcoat
[NASA-CASE-NPO-17122-1-CU] 06 p0813 N91-14489
Trellis coded modulation for transmission over fading mobile satellite channel
[NASA-CASE-NPO-16904-2-CU] 06 p0818 N91-14523
Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU] 06 p0821 N91-14536
Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU] 06 p0821 N91-14538
Improved high power/high frequency inductor
[NASA-CASE-NPO-17830-1-CU] 06 p0821 N91-14539
Millimeter-wave monolithic diode-grid frequency multiplier
[NASA-CASE-NPO-17258-1-CU] 06 p0823 N91-14551
Apparatus and method for characterizing the transmission efficiency of a mass spectrometer
[NASA-CASE-NPO-16989-1-CU] 06 p0830 N91-14587
Field induced gap infrared detector
[NASA-CASE-NPO-17526-1-CU] 06 p0830 N91-14588
Mars Rover/Sample Return (MRSR) Mission: Mars Rover Technology Workshop
[NASA-TM-101129] 06 p0832 N91-14600
Multi-fingered robotic hand
[NASA-CASE-NPO-15959-2] 06 p0835 N91-14616
Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU] 06 p0840 N91-14642
Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] 06 p0863 N91-14772
Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] 06 p0870 N91-14807
Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU] 06 p0870 N91-14808
Surface modification using low energy ground state ion beams
[NASA-CASE-NPO-17498-1-CU] 06 p0871 N91-14813
Preliminary survey of 21st century civil mission applications of space nuclear power
[NASA-TM-101249] 06 p0871 N91-14817
Energy efficient continuous flow ash lockhopper
[NASA-CASE-NPO-16985-1-CU] 07 p0988 N91-15423
Remote object configuration/orientation determination
[NASA-CASE-NPO-17436-1-CU] 07 p1004 N91-15512
Tm,Ho:YLF laser end-pumped by a semiconductor diode laser array
[NASA-CASE-NPO-17282-1-CU] 07 p1007 N91-15528
An improved approach for flight readiness assessment
[NASA-CR-187809] 07 p1014 N91-15566
Towards operational multisensor registration 07 p1024 N91-15619
Results of the 1990 NASA/JPL balloon flight solar cell calibration program
[NASA-CR-187813] 07 p1026 N91-15630
A report on SHARP (Spacecraft Health Automated Reasoning Prototype) and the Voyager Neptune encounter
[NASA-CR-187810] 07 p1056 N91-15799
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] 07 p1072 N91-15898
An Ohmic model for charge transport in a semiconductor
[NASA-CR-187811] 07 p1074 N91-15913
Digital frequency synthesizer for radar astronomy
[NASA-CR-187814] 07 p1081 N91-15951
Spray combustion modeling and evaluation
[NASA-CR-187887] 08 p1107 N91-16078
Bio-optical profile data report coastal transition zone program, R/V Thomas Washington, June 24 - July 21, 1988
[NASA-CR-187808] 08 p1188 N91-16532
Bio-optical profile data report coastal transition zone program, R/V Point Sur, June 15-28, 1987
[NASA-CR-187807] 08 p1188 N91-16533
Bio-optical profile data report: Joint Global Ocean Flux Study, Hawaii Ocean Time-Series, HOT-3, R/V Moana Wave, 6-10 January 1989
[NASA-CR-187805] 08 p1189 N91-16534
Contents of the NASA ocean data system archive, version 11-90
[NASA-CR-187812] 08 p1189 N91-16535
An accuracy assessment of Magellan Very Long Baseline Interferometry (VLBI) 09 p1288 N91-17080
Downdating a time-varying square root information filter 09 p1290 N91-17090
Torque sensor having a spoked sensor element support structure
[NASA-CASE-NPO-17461-1-CU] 09 p1338 N91-17350
Cladding for transverse-pumped solid-state laser
[NASA-CASE-NPO-17355-1-CU] 09 p1340 N91-17360
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
The Telecommunications and Data Acquisition Report
[NASA-CR-187940] 10 p1510 N91-18308
Demonstration of precise estimation of polar motion parameters with the global positioning system: Initial results 10 p1510 N91-18309
Analysis of a thick dichroic plate with rectangular holes at arbitrary angles of incidence 10 p1510 N91-18310
An analysis of the least-squares problem for the DSN systematic pointing error model 10 p1510 N91-18311
Predictive control and estimation algorithms for the NASA/JPL 70-meter antennas 10 p1510 N91-18312
Initial studies of array feeds for the 70-meter antenna at 32 GHz 10 p1511 N91-18313
Steady-state phase error for a phase-locked loop subjected to periodic Doppler inputs 10 p1511 N91-18314
Maximum-entropy probability distributions under Lp-norm constraints 10 p1511 N91-18315
Compressed/reconstructed test images for CRAF/Cassini 10 p1511 N91-18316
Emerging standards for still image compression: A software implementation and simulation study 10 p1511 N91-18317
Algebraic geometric codes 10 p1511 N91-18318

Overview of arraying techniques in the deep space network 10 p1512 N91-18319
The advanced receiver 2: Telemetry test results in CTA 21 10 p1512 N91-18320
On estimating the phase of a periodic waveform in additive Gaussian noise, part 3 10 p1512 N91-18321
Digital test signal generation: An accurate SNR calibration approach for the DSN 10 p1512 N91-18322
A comparison of Manchester symbol tracking loops for block 5 applications 10 p1512 N91-18323
Open-loop frequency acquisition for suppressed-carrier biphase signals using one-pole arm filters 10 p1512 N91-18324
Frame synchronization for the Galileo code 10 p1513 N91-18325
Planetary ephemerides approximation for radar astronomy 10 p1513 N91-18326
New space research frequency band proposals in the 20- to 40.5-GHz range 10 p1513 N91-18327
Design concepts and performance of NASA X-band (7162 MHz/8415 MHz) transponder for deep-space spacecraft applications 10 p1513 N91-18328
Cassini: A mission to Saturn and Titan 10 p1618 N91-18924
GaP betavoltaic cells as a power source 11 p1672 N91-19211
Thermal cycle testing of Space Station Freedom solar array blanket coupons 11 p1672 N91-19216
The Advanced Photovoltaic Solar Array (APSA) technology status and performance 11 p1673 N91-19217
Viability study of photovoltaic systems added to terrestrial electric vehicles [DE91-007689] 11 p1699 N91-19355
Algorithms for a very high speed universal noiseless coding module [NASA-CR-187974] 11 p1775 N91-19733
On the optimality of code options for a universal noiseless coder [NASA-CR-187973] 11 p1775 N91-19734
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results 11 p1821 N91-20002
Magellan: Preliminary description of Venus surface geologic units 11 p1822 N91-20011
Electrochemical corrosion studies in low conductivity media [AD-A230591] 12 p1870 N91-20277
Experiences in porting NASTRAN (R) to non-traditional platforms 12 p1911 N91-20509
Photovoltaic system criteria documents. Volume 2: Quality assurance criteria for photovoltaic applications [NASA-CR-183317] 12 p1918 N91-20553
Photovoltaic system criteria documents. Volume 4: Review criteria for photovoltaic applications [NASA-CR-183319] 12 p1919 N91-20554
Photovoltaic system criteria documents. Volume 6: Criteria for auditing photovoltaic system applications and experiments. Revision A [NASA-CR-183321] 12 p1919 N91-20555
Photovoltaic system criteria documents. Volume 1: Guidelines for evaluating the management and operations planning of photovoltaic applications [NASA-CR-183316] 12 p1919 N91-20556
Photovoltaic system criteria documents. Volume 3: Environmental issues and evaluation criteria for photovoltaic applications [NASA-CR-183318] 12 p1919 N91-20557
Photovoltaic system criteria documents. Volume 5: Safety criteria for photovoltaic applications [NASA-CR-183320] 12 p1919 N91-20558
Performance capabilities of a JPL dual-arm advanced teleoperation system 12 p1935 N91-20646
A space servicing telerobotics technology demonstration 12 p1938 N91-20660
SHARP: Automated monitoring of spacecraft health and status 12 p1940 N91-20671
User interface issues in supporting human-computer integrated scheduling 12 p1940 N91-20673
The real-time control of planetary rovers through behavior modification 12 p1942 N91-20686
Comparison of P/Brorsen-Metcalf and P/Halley in the thermal infrared 12 p2004 N91-21027
The CRAF mission and Earth-based comet observations 12 p2007 N91-21047
Spray combustion modeling and evaluation [DE91-007923] 13 p2047 N91-21264
Proceedings of the First Workshop on Containerless Experimentation in Microgravity [NASA-CR-187806] 13 p2059 N91-21331
Ground-based and microgravity containerless positioning technologies and facilities 13 p2059 N91-21333
Containerless experiments in fluid physics in microgravity 13 p2060 N91-21341
Containerless protein crystal growth technology: Electrostatic multidrop positioner 13 p2062 N91-21352
Undercooling of acoustically levitated molten drops 13 p2063 N91-21359
High temperature acoustic and hybrid microwave/acoustic levitators for materials processing 13 p2065 N91-21368
Feedback controlled electrostatic and electromagnetic sample positioners 13 p2065 N91-21370
A computer model of the electrostatic positioning system 13 p2065 N91-21371
Laterally stacked Schottky diodes for infrared sensor applications [NASA-CASE-NPO-17426-1-CU] 13 p2076 N91-21434
Method and apparatus for configuration control of redundant robots [NASA-CASE-NPO-17801-1-CU] 13 p2097 N91-21544
Report of the panel on earth rotation and reference frames, section 7 13 p2106 N91-21596
System and method for measuring ocean surface currents at locations remote from land masses using synthetic aperture radar [NASA-CASE-NPO-17937-1-CU] 13 p2111 N91-21621
Integrating knowledge and control into hypermedia-based training environments: Experiments with HyperCLIPS 13 p2166 N91-21949
The confusion limits to the sensitivity of submillimeter telescopes 13 p2174 N91-22001
Submillimeter astronomy and low mass star formation 13 p2176 N91-22012
Development of components for submillimeter wave heterodyne radiometers at JPL 13 p2176 N91-22017
Telescope technology for space-borne submillimeter astronomy 13 p2181 N91-22049
Industrializing the near-earth asteroids: Speculations on human activities in space in the latter half of the 21st century 14 p2199 N91-22141
Mini-rovers for Mars explorations 14 p2203 N91-22167
Advanced spacecraft: What will they look like and why 14 p2203 N91-22168
The architect's framework for ground data system development in the 1990's 14 p2208 N91-22190
A distributed computer environment for a multimission spacecraft operations and control center 14 p2208 N91-22193
Flight mission control for multiple spacecraft 14 p2208 N91-22195
The TOPEX ground data system 14 p2209 N91-22201
Satellite control center for 2000 and beyond 14 p2210 N91-22207
Ground Communication Facility (GCF) upgrade task for the NASA deep space network 14 p2212 N91-22217
Network monitoring and analysis expert system 14 p2212 N91-22218
Ground data system resource allocation planning to support mission management 14 p2213 N91-22223
Future operations for space mission command and control 14 p2214 N91-22236
Knowledge systems support for mission operations automation 14 p2217 N91-22255
MARVEL: A knowledge-based productivity enhancement tool for real-time multi-mission and multi-subsystem spacecraft operations 14 p2217 N91-22256
Workstation technology for engineering mission operations at the Jet Propulsion Laboratory 14 p2219 N91-22265
Operations engineering: Time for a new paradigm 14 p2219 N91-22267
Information visualization techniques in a multi-mission operations environment 14 p2221 N91-22277
Multi-misssion spacecraft planning and control process: Multi-mission sequence of events 14 p2221 N91-22280
Keynote address: The implications of telescience 14 p2223 N91-22291
A fast, reliable algorithm for computing frequency responses of state space models 14 p2226 N91-22314
System dynamic simulation of precision segmented reflector 14 p2227 N91-22317
Serial and parallel computation of Kane's equations for multibody dynamics 14 p2227 N91-22320
Component mode damping assignment techniques 14 p2229 N91-22330
Spatial operator approach to flexible multibody system dynamics and control 14 p2232 N91-22350
Capturing flight system test engineering expertise: Lessons learned 14 p2316 N91-22790
The evolution of Tharsis: Implications of gravity, topography, and tectonics 14 p2348 N91-22985
Does wrinkle ridge formation on Mars involve most of the lithosphere 14 p2349 N91-22992
Weathering and erosion of the polar layered deposits on Mars 14 p2350 N91-22994
Photoclinometric analysis of wrinkle ridges on Lunae Planum, Mars 14 p2350 N91-22999
Young flood lavas in the Elysium Region, Mars 14 p2351 N91-23000
A radar-echo model for Mars 14 p2352 N91-23006
Triton's global heat budget [NASA-CR-188178] 14 p2354 N91-23018
Hypercube technology 14 p2355 N91-23025
Hyperswitch communication network 14 p2355 N91-23026
Three-dimensional perspective visualization 14 p2357 N91-23038
High power bipolar lead-acid batteries 14 p2360 N91-23056
Scientific CCD technology at JPL 14 p2360 N91-23057
Diverse applications of advanced man-telerobot interfaces 14 p2361 N91-23065
Electron tunnel sensor technology 14 p2362 N91-23067
Microwave temperature profiler for clear air turbulence prediction [NASA-CASE-NPO-18115-1-CU] 15 p2465 N91-23662
Obstacle avoidance for redundant robots using configuration control [NASA-CASE-NPO-17852-1-CU] 15 p2489 N91-23783
Real time pre-detection dynamic range compression [NASA-CASE-NPO-18098-1-CU] 15 p2507 N91-23890
Electronic neuroprocessors 15 p2536 N91-24045
Intelligent vision system for autonomous vehicle operations 15 p2536 N91-24046
Integrated Vertical Bloch Line (VBL) memory 15 p2537 N91-24051
Oxygen production using solid-state zirconia electrolyte technology 15 p2538 N91-24059
Recent advances in coding theory for near error-free communications 15 p2540 N91-24068
Fiber Optic Tactical Local Network (FOTLAN) 15 p2540 N91-24072
High precision applications of the global positioning system 15 p2540 N91-24073
Long-term propellant/material compatibility 16 p2573 N91-24261
Helium saturation of liquid propellants 16 p2574 N91-24266
Science program for an imaging radar receiving station in Alaska. Report of the science working group [NASA-CR-188194] 16 p2617 N91-24489
The 25th Aerospace Mechanisms Symposium [NASA-CP-3113] 16 p2639 N91-24603
Dead-blow hammer design applied to a calibration target mechanism to dampen excessive rebound 16 p2639 N91-24606
The Dynamic Torque Calibration Unit: An instrument for the characterization of bearings used in gimbal applications 16 p2642 N91-24624
Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects [NASA-CASE-NPO-18028-1-CU] 16 p2688 N91-24878
VUV-induced degradation of FEP Teflon aboard LDEF 16 p2715 N91-25030
LDEF fiber optic exposure experiment 16 p2723 N91-25080
Doppler-corrected differential detection system [NASA-CASE-NPO-16987-1-CU] 17 p2767 N91-25316
Phase ambiguity resolution for offset QPSK modulation systems [NASA-CASE-NPO-17853-1-CU] 17 p2767 N91-25318
Fluid-loop reaction system [NASA-CASE-NPO-17204-1-CU] 17 p2779 N91-25380
The Geologic Remote Sensing Field Experiment (GRSFE): The first geology multisensor airborne campaign 17 p2795 N91-25461

Dynamic resource allocation scheme for distributed heterogeneous computer systems
[NASA-CASE-NPO-17197-1-CU]
17 p2839 N91-25693
The 22nd Annual Precise Time and Time Interval (PTTI) Applications and Planning Meeting
[NASA-CP-3116]
17 p2850 N91-25755
Ultra-stable Hg(+) trapped ion frequency standard
17 p2852 N91-25768
Application of high stability oscillators to radio science experiments using deep space probes
17 p2853 N91-25775
Zero-crossing detector with sub-microsecond jitter and crosstalk
17 p2853 N91-25776
Local oscillator induced degradation of medium-term stability in passive atomic frequency standards
17 p2857 N91-25798
High-gain AlGaAs/GaAs double heterojunction Darlington phototransistors for optical neural networks
[NASA-CASE-NPO-18101-1-CU]
17 p2864 N91-25841
CCD photometry of 2060 Chiron, 1991 January
17 p2892 N91-25987
Near-Earth asteroid discovery rate review
17 p2894 N91-25995
Nucleus model for periodic Comet Tempel 2
17 p2896 N91-26006
Randomization of particle motions and the observed morphology of cometary heads
17 p2896 N91-26007
Sublimation rates of carbon monoxide and carbon dioxide from comet nuclei at large distances from the Sun
17 p2896 N91-26008
A census of the asteroid belt
17 p2896 N91-26009
IRAS asteroid families
17 p2897 N91-26011
The comet rendezvous asteroid flyby mission: A status report
17 p2898 N91-26015
Lunar base siting
17 p2907 N91-26053
An ISU study of asteroid mining
17 p2907 N91-26054
Short-period comets
17 p2908 N91-26057
Options for Martian propellant production
17 p2911 N91-26069
Mars Observer: A global mapping mission
17 p2912 N91-26077
Additives for high temperature liquid lubricants
[DE91-011018]
18 p2968 N91-26386
Atmospheric InfraRed Sounder (AIRS): Science and measurement requirements
[NASA-TM-104977]
18 p3011 N91-26624
Method and apparatus for second-rank tensor generation
[NASA-CASE-NPO-17512-1-CU]
18 p3062 N91-26918
Galileo: The Earth encounter
18 p3079 N91-27024
Have graben wall scarps accumulated sand and dust on Mars?
18 p3086 N91-27062
Dust in the Mars atmosphere
18 p3090 N91-27082
Photovoltaic array space power plus diagnostics experiment
[NASA-CR-188672]
19 p3115 N91-27210
Molecules with enhanced electronic polarizabilities based on defect-like states in conjugated polymers
[NASA-CASE-NPO-17633-1-CU]
19 p3143 N91-27372
Flexible thermal apparatus for mounting of thermoelectric cooler
[NASA-CASE-NPO-17806-1-CU]
19 p3146 N91-27385
Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU]
19 p3155 N91-27439
Metal chloride cathode for a battery
[NASA-CASE-NPO-17809-1-CU]
19 p3161 N91-27478
Fiber optic frequency transfer link
[NASA-CASE-NPO-17703-1-CU]
19 p3247 N91-27957
Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU]
19 p3256 N91-28014
JPL initiative on historically black colleges and universities
19 p3271 N91-28096
Satellite/spacecraft propulsion
20 p3292 N91-28203
Advanced propulsion concepts
20 p3294 N91-28218
Leo micrometeorite/debris impact damage
22 p3637 N91-30237
Workshop summary: Space environmental effects
22 p3639 N91-30251
The NASA radiowave propagation program
22 p3661 N91-30378
Amorphous silicon deposition research with in situ diagnostics
[NASA-CR-188782]
22 p3699 N91-30597
Publications of the Jet Propulsion Laboratory 1989
[NASA-CR-188690]
22 p3766 N91-30994
Composite flexible blanket insulation
[NASA-CASE-NPO-11907-1-NP]
23 p3807 N91-31236
A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU]
23 p3861 N91-31528
The conversion of lignocellulosics to fermentable sugars: A survey of current research and application to CELSS
23 p3903 N91-31784
Asymmetric soft-error resistant memory
[NASA-CASE-NPO-17394-1-CU]
23 p3907 N91-31810
Synchronized computational architecture for generalized bilateral control of robot arms
[NASA-CASE-NPO-17401-1-CU]
23 p3918 N91-31885
Method and apparatus for producing microshells
[NASA-CASE-NPO-16635-1-CU]
24 p3981 N91-32240
The Telecommunications and Data Acquisition Report
[NASA-CR-188813]
24 p3983 N91-32250
Precise orbit determination of high-earth elliptical orbiters using differenced Doppler and range measurements
24 p3983 N91-32251
Algorithms for structural natural-frequency design
24 p3984 N91-32252
Pattern-recognition techniques applied to performance monitoring of the DSS 13 34-meter antenna control assembly
24 p3984 N91-32253
A cooled 1- to 2-GHz balanced HEMT amplifier
24 p3984 N91-32254
Performance of a high T(sub c) superconducting ultra-low loss microwave stripline filter
24 p3984 N91-32255
Equivalent circuit model of traveling-wave maser slow-wave structures
24 p3984 N91-32256
Spectral filters for laser communications
24 p3984 N91-32257
Design and testing of an active quenching circuit for an avalanche photodiode photon detector
24 p3984 N91-32258
Analysis of a multiple reception model for processing images from the solid-state imaging camera
24 p3984 N91-32259
The Advanced Receiver II telemetry test results at Goldstone
24 p3985 N91-32260
Symbol lock detection in the ARX 2 and Block 5 receivers
24 p3985 N91-32261
Design and status of the RF-digitizer integrated circuit
24 p3985 N91-32262
Channel assignments and array gain bounds for the Ka-band array feed compensation system
24 p3985 N91-32263
Coding gains and error rates from the Big Viterbi Decoder
24 p3985 N91-32264
Testing interconnected VLSI circuits in the Big Viterbi Decoder
24 p3985 N91-32265
Frame error rate of the NASA concatenated coding system
24 p3986 N91-32266
Initial pointing calibrations for the DSS 13 34-meter beam-waveguide antenna
24 p3986 N91-32267
Modeling and simulations of the DSS 13 antenna control system
24 p3986 N91-32268
A portable Ka-band front-end test package for beam-waveguide antenna performance evaluation. Part 1: Design and ground tests
24 p3986 N91-32269
A portable Ka-band front-end test package for beam-waveguide antenna performance evaluation. Part 2: Tests on the antenna
24 p3986 N91-32270
Efficiency calibration of the DSS 13 34-meter diameter beam waveguide antenna at 8.45 and 32 GHz
24 p3986 N91-32271
DSS 13 phase 2 pedestal room microwave layout
24 p3987 N91-32272
A carrier-arraying demonstration at Goldstone for receiving Pioneer 11 signals
24 p3987 N91-32273
Delta VLBI data performance in the Galileo spacecraft Earth flyby of December 1990
24 p3987 N91-32274
Carrier-to-noise power estimation for the Block 5 Receiver
24 p3987 N91-32275
JPL 1990-3: A 5-mrad extragalactic source catalog based on combined radio interferometric observations
24 p3987 N91-32276
Wideband waveguide polarizer development for SETI
24 p3987 N91-32277
Stochastic availability analysis of operational data systems in the Deep Space Network
24 p3988 N91-32278
Modeling preparation costs for space missions by using major cost drivers
24 p3988 N91-32279
Test chips and ASIC qualification
24 p3995 N91-32327
The NASA Microelectronics Space Radiation Effects Program (MSREP) at the Jet Propulsion Laboratory
24 p3996 N91-32331
Heavy-ion induced single-event upset in integrated circuits
24 p3998 N91-32347
Evaluation of advanced microelectronics for inclusion in MIL-STD-975
24 p4005 N91-32390
Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU]
24 p4024 N91-32489
Telerobot control system
[NASA-CASE-NPO-18116-1-CU]
24 p4028 N91-32509
A generalized compliant motion primitive
[NASA-CASE-NPO-18134-1-CU]
24 p4028 N91-32510
Sodium-metal chloride battery research at JPL
24 p4038 N91-32566
Advances in Li-TiS2 cell technology
24 p4039 N91-32567
Highly parallel computer architecture for robotic computation
[NASA-CASE-NPO-17632-1-CU]
24 p4082 N91-32805
Analog hardware for learning neural networks
[NASA-CASE-NPO-17664-1-CU]
24 p4090 N91-32852
Method and apparatus for phasing segmented mirror arrays
[NASA-CASE-NPO-18095-1-CU]
24 p4102 N91-32923
Feedback controlled optics with wavefront compensation
[NASA-CASE-NPO-18194-1-CU]
24 p4103 N91-32924
Optoelectronic associative memory
[NASA-CASE-NPO-18278-1-CU]
24 p4103 N91-32925
Integrated filter and detector array for spectral imaging
[NASA-CASE-NPO-18317-1-CU]
24 p4103 N91-32926

JOANNEUM RESEARCH CENTRE, GRAZ (AUSTRIA).
Geological applications of space SAR data
04 p0540 N91-12996
Combined fluorescence, reflectance, and ground measurements of a stressed Norway spruce forest for forest damage assessment
07 p1024 N91-15620
Making telescience possible: An analysis of the use of standard techniques to reduce user efforts
14 p2224 N91-22301

JOENSUU UNIV. (FINLAND).
The optical parametrization of an aerial multispectral camera
[DE91-003017]
06 p0831 N91-14593

JOHANN-WOLFGANG-GOETHE-UNIV., FRANKFURT AM MAIN (GERMANY, F.R.).
Computer aided physiological assessment of the functional state of pilots during simulated flight
08 p1194 N91-16562
Genetic risk and physiological stress induced by heavy ions
11 p1759 N91-19680
Defective embryogenesis of Arabidopsis induced by cosmic HZE-particles
11 p1760 N91-19682
Arabidopsis thaliana (Heynh.) pollen: A new tool in heavy ions radiation
11 p1760 N91-19685
Monocrystalline high temperature superconductor
14 p2333 N91-22892

JOHN B. PIERCE FOUNDATION OF CONNECTICUT, NEW HAVEN.
Thermoregulatory consequences of resonant microwave exposure
[AD-A226540]
05 p0694 N91-13864

JOHN DEERE TECHNOLOGIES INTERNATIONAL, INC., WOOD-RIDGE, NJ.
Advanced stratified charge rotary engine technology for general aviation systems
04 p0460 N91-12569

JOHNS HOPKINS UNIV., BALTIMORE, MD.
Corrosion, passivity, and breakdown of alloys used in high energy density batteries
[DE90-016648]
01 p0038 N91-10223
The calculation of correlation functions in the statistical theory of turbulent flows
02 p0210 N91-11176
Population studies in groups and clusters of galaxies, volumes 1 and 2
02 p0286 N91-11608
Optimum design of air pollution monitoring networks: A mathematical programming approach
03 p0388 N91-12160
Smoothing for multipoint boundary value models
[AD-A224917]
03 p0410 N91-12292
Field theoretic approach to statistical dynamics and chaos
04 p0592 N91-13305

High-redshift radio galaxies and the role of radio sources in galaxy formation 04 p0611 N91-13394
Research in theoretical physics [DE91-002458] 05 p0729 N91-14071
The morphology-density relation for dwarf galaxies 05 p0754 N91-14200
Massively parallel network architectures for automatic recognition of visual speech signals [AD-A226968] 06 p0869 N91-14805
Dust in stellar wind bow shocks 06 p0901 N91-14979
Characterization of elastic properties of interfaces in composite materials [AD-A228119] 07 p0973 N91-15340
Initial studies of electric field effects on ceramic powder formation in flames [DE90-007571] 08 p1117 N91-16138
Pre-attentive and attentive visual information processing [AD-A228541] 08 p1191 N91-16550
Full field visualization of surface and bulk acoustic waves [AD-A227676] 08 p1213 N91-16678
Galaxy interactions and the stimulation of nuclear activity 08 p1255 N91-16910
The nature of the emission-line nebulae in powerful far-infrared galaxies 08 p1256 N91-16916
Paired and interacting galaxies: Conference summary 08 p1265 N91-16964
Avalanche photodiode photon counting receivers for space-borne lidars [NASA-CR-187991] 10 p1529 N91-18423
Laser ultrasonics: Current research needs [DE91-005421] 10 p1591 N91-18770
Ultrafine refractory particle formation in counterflow diffusion flames [DE91-007693] 11 p1680 N91-19260
A demonstration of chill block melt spinning of metal 12 p1860 N91-20216
Rocket observations of the ultraviolet spectrum of comet Austin (1989c1) 12 p2003 N91-21023
IUE observations of comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko 12 p2003 N91-21024
IUE observations of comet Austin (1989c1) 12 p2003 N91-21025
The overall response of composite materials undergoing large elastic deformations [AD-A231637] 13 p2047 N91-21260
Studies of mutant hemoglobins to define types of modifications useful in the design of blood substitutes [AD-A234997] 18 p3029 N91-26723
Neural mechanisms of attention [AD-A235003] 18 p3033 N91-26742
Material engineering of novel semiconductor structures [AD-A235014] 18 p3069 N91-26960
An experimental investigation of a compliant surface beneath a turbulent boundary layer 20 p3345 N91-28523
Critical issues in de-alloying and transcrystalline stress-corrosion cracking [DE91-010190] 20 p3359 N91-28608
Numerical and physical modelling of bubbly flow phenomena [DE91-013646] 21 p3511 N91-29492
Stochastic simulation techniques for partition function approximation of Gibbs random field images [AD-A238611] 21 p3558 N91-29775
Study of elementary reactions and energy transfer processes involving the NH and CN free radicals [AD-A238461] 21 p3576 N91-29889
The effect of clouds on the earth's radiation budget [NASA-CR-188804] 22 p3708 N91-30637

JOHNS HOPKINS UNIV., COLUMBIA, MD.

The 1990 JANNAF Propulsion Meeting, volume 2 [CPIA-PUBL-550-VOL-2] 16 p2568 N91-24233
The 1990 JANNAF Propulsion Meeting, volume 1 [CPIA-PUBL-550-VOL-1] 16 p2575 N91-24273
Computational Fluid Dynamics Code Validation/Calibration. JANNAF Airbreathing Propulsion Subcommittee Workshop: High-Speed Inlet Forebody Interactions [CPIA-PUBL-551] 17 p2772 N91-25336

JOHNS HOPKINS UNIV., LAUREL, MD.

A description of results from the handbook on signal fade degradation for the land mobile satellite service 03 p0352 N91-11966
Modern robust control for missile autopilot design 05 p0619 N91-13435
Solar wind dynamic pressure variations: Quantifying the statistical magnetospheric response 06 p0917 N91-15060
Implications of multipoint observations of substorms in the inner magnetotail 06 p0917 N91-15061
Visualizing characteristics of ocean data collected during the Shuttle Imaging Radar-B experiment 07 p1025 N91-15626
Activities and accomplishments of the Center for Applied Solar Physics, 1987 - 1990 [AD-A228773] 08 p1268 N91-16980
The 26th JANNAF Combustion Meeting, volume 2 [CPIA-PUBL-529-VOL-2] 09 p1298 N91-17125
Users manual for aerospace nuclear safety program six-degree-of-freedom reentry simulation (TMAGRA6C) [DE91-005925] 10 p1489 N91-18207
Design techniques for dual mode ram-scramjet combustors 15 p2379 N91-23166
Shock wave/boundary layer interaction control in a generic hypersonic inlet 16 p2578 N91-24290
Gallium Arsenide solar cell radiation damage experiment 22 p3638 N91-30241
The utility of high frequency ground wave in a distributed communication system 22 p3659 N91-30365
Space qualification test and evaluation of JHU/APL designed ASICs 24 p3994 N91-32315

JOHNS HOPKINS UNIV., SHADYSIDE, MD.

The use of aircraft and satellite remote sensing of phytoplankton chlorophyll concentrations in case 2 estuarine waters of the Chesapeake Bay 17 p2682 N91-25935

JOHNSON AERONAUTICS, PALO ALTO, CA.

Feasibility investigation of general time-domain unsteady aerodynamics of rotors [NASA-CR-177570] 06 p0777 N91-14311
Airloads, wakes, and aeroelasticity 10 p1461 N91-18055

JOHNSON CONTROLS, INC., MILWAUKEE, WI.

Research and development of advanced lead-acid batteries for electric vehicle propulsion [DE91-010483] 17 p2770 N91-25328
Proof-of-concept zinc/bromine electric vehicle battery [DE91-011767] 18 p2981 N91-26463
Multiple cell common pressure vessel nickel hydrogen battery 24 p4038 N91-32564

JOHNSON MATTHEY ENVIRONMENTAL PRODUCTS, WAYNE, PA.

Development of a low temperature catalytic combustor for small gas turbine applications [PB91-161273] 18 p2993 N91-26529

JOINT AIR TRANSPORT ESTABLISHMENT, BRIZE NORTON (ENGLAND).

Recent improvements to the RAF air transport force 10 p1464 N91-18072

JOINT ASTRONOMY CENTRE, HILO, HI.

H2 line emission in three Seyfert nuclei: Evidence against UV-excitation 05 p0751 N91-14185
Infrared images of merging galaxies 08 p1254 N91-16904

JOINT DATA SYSTEMS SUPPORT CENTER, WASHINGTON, DC.

Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 1: Human interface CSCI [AD-A231752] 14 p2305 N91-22737
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 2: Data management CSCI [AD-A231753] 14 p2305 N91-22738
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 3: Business graphics CSCI [AD-A231754] 14 p2305 N91-22739
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 7: Internal processing CSCI [AD-A231755] 14 p2306 N91-22740
Operational concept document for the Mapping And Graphic Information Capability (MAGIC) [AD-A231882] 14 p2307 N91-22746
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 5: Graphic editor CSCI [AD-A233266] 16 p2669 N91-24773
Software requirements specification for the Mapping And Graphic Information Capability (MAGIC). Volume 4: Geographic mapping CSCI [AD-A235275] 18 p3042 N91-26794

JOINT EUROPEAN TORUS PROJECT, ABINGDON (ENGLAND).

Plasma boundary experiments on D3-D tokamak [DE91-002429] 11 p1800 N91-19881
Sawteeth and their stabilization in JET [DE91-005459] 13 p2156 N91-21882
High performance H modes in JET [DE91-005488] 13 p2156 N91-21883
Comparison of beryllium and graphite first-walls in JET [DE91-005489] 13 p2156 N91-21884
High density regimes and beta limits in JET [DE91-005490] 13 p2156 N91-21885
ICRF heating in reactor grade plasmas [DE91-005491] 13 p2156 N91-21886
Recent JET results and future prospects [DE91-005474] 13 p2158 N91-21897
Non-linear behaviour in tokamaks 20 p3415 N91-28935

JOINT INST. FOR LAB. ASTROPHYSICS, BOULDER, CO.

The infrared continuum spectrum of x ray illuminated molecular gas 05 p0743 N91-14144
Origin and dynamics of emission line clouds in cooling flow environments 05 p0748 N91-14167
Laser probing of the kinetics and dynamics of III -V semiconductor growth [AD-A237795] 21 p3597 N91-30009
Atomic and molecular collision processes [DE91-017649] 24 p4098 N91-32897

JOINT INST. FOR NUCLEAR RESEARCH, DUBNA (USSR).

Microprocessor system for temperature regulation and stabilization [DE90-634244] 02 p0207 N91-11160
Asymptotic estimates of approximation errors by the Galerkin method for one class of quasipotential equations [DE90-631600] 02 p0263 N91-11471
Searching spectrum points of difference initial-boundary value problems with using CAS [DE90-634382] 02 p0263 N91-11472
An inverse problem for classical relativistic mechanics [DE90-631599] 02 p0283 N91-11589
Illustrations from the collection Quantum mechanics in pictures [DE90-631602] 03 p0425 N91-12382
Modelling of multidimensional quantum systems by the numerical functional integration [DE91-007051] 10 p1589 N91-18763

JOINT OCEANOGRAPHIC INST., INC., WASHINGTON, DC.

The scientific case for magnetic field satellites [NASA-CR-186532] 01 p0017 N91-10101
Polar research from satellites [NASA-CR-188025] 13 p2114 N91-21640

JOINT PUBLICATIONS RESEARCH SERVICE, ARLINGTON, VA.

JPRS report: Science and technology. USSR: Space [JPRS-USP-89-009] 01 p0014 N91-10088
JPRS report: Science and technology. USSR: Space [JPRS-USP-90-001] 01 p0014 N91-10089
JPRS report: Science and technology. USSR: Space [JPRS-USP-90-002] 01 p0015 N91-10090
JPRS report: Science and technology. USSR: Electronics and electrical engineering [JPRS-UEE-90-004] 01 p0037 N91-10213
JPRS report: Science and technology. USSR: Electronics and electrical engineering [JPRS-UEE-90-006] 01 p0037 N91-10214
JPRS report: Science and technology. USSR: Electronics and electrical engineering [JPRS-UEE-90-007] 01 p0037 N91-10215
JPRS report: Science and technology. USSR: Electronics and electrical engineering [JPRS-UEE-90-008] 01 p0037 N91-10216
JPRS report: Science and technology. USSR: Electronics and electrical engineering [JPRS-UEE-90-009] 01 p0037 N91-10217
JPRS report: Science and technology. USSR: Earth sciences [JPRS-UES-90-007] 01 p0063 N91-10377
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-90-001] 01 p0095 N91-10551
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-90-013] 01 p0095 N91-10552
Morphological examination of rat adrenal glands following flight aboard Biosputnik Kosmos-1667 01 p0095 N91-10553
Central and regional hemodynamics in prolonged space flights 01 p0095 N91-10554
Protective functions of skin 01 p0096 N91-10555
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-90-012] 01 p0096 N91-10556
Diagnostic possibilities of inflight EKG monitoring of flight crew 01 p0096 N91-10557
Effects of rolling motion on the circadian rhythm of sinoatrial node 01 p0096 N91-10558
Probabilty of decompression sickness during space suit testing 01 p0096 N91-10559
Changes in maximum allowable supersaturation coefficient in high-altitude decompression 01 p0096 N91-10560
Effects of prolonged exposure to acetic acid vapors on acid-base balance in humans 01 p0096 N91-10561

Effects of taurine on cytogenetic corneal disturbances induced in mice by 9 GeV protons
01 p0097 N91-10562
Combined effects of elevated concentrations of carbon dioxide and ambient temperature on thermal state of humans in closed chambers 01 p0097 N91-10563
Psychophysiological assessment of piloting motor habits in pilot retraining 01 p0097 N91-10564
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-011] 01 p0097 N91-10565
Requirements for an ideal drug for preventing space motion sickness 01 p0097 N91-10566
Effect of single impacts of heavy ions of galactic cosmic rays on lactuca sativa seeds exposed on Salyut-6 and Salyut-7 stations 01 p0098 N91-10567
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-010] 01 p0098 N91-10568
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-009] 01 p0098 N91-10569
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-008] 01 p0098 N91-10570
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-006] 01 p0098 N91-10571
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-005] 01 p0098 N91-10572
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-008] 01 p0101 N91-10589
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-010] 01 p0101 N91-10590
JPRS report: Science and technology. USSR: Physics and mathematics
[JPRS-UPM-90-003] 01 p0117 N91-10694
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-003] 02 p0243 N91-11354
Enhancement of human tolerance of acute hypoxia by adaptation and intense training at high altitudes
02 p0243 N91-11355
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-011] 05 p0694 N91-13861
JPRS Report: Science and technology. USSR: Life sciences
[JPRS-ULS-89-003] 06 p0853 N91-14706
JPRS report: Science and technology. USSR: Space
[JPRS-USP-89-006] 08 p1100 N91-16036
Buran and the future of the Soviet space program
08 p1100 N91-16037
Developmental tests for shuttle Orbiter
08 p1100 N91-16038
General designer describes Buran flight control, autopilot systems 08 p1100 N91-16039
Specialists at flight control center discuss shuttle computer systems 08 p1100 N91-16040
JPRS report. Science and technology. USSR: Space
[JPRS-USP-90-004] 09 p1286 N91-17070
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-016] 10 p1559 N91-18574
Orthostatic stability of athletes of different specializations and its change as produced by lower gravity 10 p1560 N91-18575
Possibility of using evoked brain potentials to diagnose flight crew fatigue 10 p1560 N91-18576
Psychological preparation of operators for activity during sustained G-loads 10 p1560 N91-18577
The mechanism of the drug resistance of escherichia in cosmonauts 10 p1560 N91-18578
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-015] 10 p1560 N91-18579
Pharmacological regulation of physiological functions in space medicine 10 p1560 N91-18580
Effect of graded physical stress on cerebral hemodynamics in pilots 10 p1560 N91-18581
Psychological assessment of horizon indicators in planes 10 p1561 N91-18582
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-90-014] 10 p1561 N91-18583
Cerebral-vascular effects of motion sickness
10 p1561 N91-18584
Central and systemic hemodynamics in simulated weightlessness 10 p1561 N91-18585
Relationship between orthostatic stability and post-space flight vestibular function in man
10 p1561 N91-18586
Relationship between vertical optokinetic nystagmus and susceptibility to motion sickness
10 p1561 N91-18587
Color selection in Luscher test as emotional status indicator in flight personnel 10 p1561 N91-18588
Circadian patterns in plasma lipids, carbohydrates, and some hormones of healthy pilots
10 p1562 N91-18589
Experimental assessment of effect of head position on center of gravity of human body in ejections seats
10 p1562 N91-18590
Ultrasonic assessment of human tibia during 370-day antiorthostatic hypokinesia 10 p1562 N91-18591
Stress and human circulation
10 p1562 N91-18592
Neurotic and psychosomatic risk factors in flight personnel 10 p1562 N91-18593
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-91-001] 11 p1740 N91-19567
Reactivity of exhausted human skeletal muscle fibers following prolonged antiorthostatic hypokinesia
11 p1740 N91-19568
Gravitation receptor reaction in response to effect of acceleration 11 p1740 N91-19569
Effects of hyperbaric oxygenation on central hemodynamics and oxygen consumption in severe physical trauma 11 p1740 N91-19570
Effects of high temperature and humidity on mental state and metabolism 11 p1741 N91-19571
JPRS report: Science and technology. USSR: Physics and mathematics
[JPRS-UPM-90-004] 11 p1786 N91-19800
Laws of heat transfer in three-dimensional viscous shock layer of stream flowing past blunt bodies at some angles of attack and glide 11 p1786 N91-19801
Acoustic stabilization of laser beam wavefront in nonhomogeneous gaseous medium
11 p1786 N91-19802
Passive mode locking in optically pumped Al2O3:Ti(3+) laser 11 p1787 N91-19803
Possibility of raising efficiency of free-electron laser in longitudinal magnetic field 11 p1787 N91-19804
Quantum fluctuations in laser with intracavity frequency doubling 11 p1787 N91-19805
Copper vapor as active medium for high-power oscillator-amplifier laser systems
11 p1787 N91-19806
Characteristics of excimer laser with narrow emission line 11 p1787 N91-19807
Intracavity second-harmonic generation by laser with optical delay line and mode locking
11 p1788 N91-19808
Solution of one-dimensional problem in nonlinear theory of elasticity with structured shock wave
11 p1788 N91-19809
Constructing mathematical model of adaptive anti-flutter system 11 p1788 N91-19810
Microsecond-pulse Nd-glass laser with monopulse duration control 11 p1788 N91-19811
Breakup of femtosecond pulses during amplification in Er(3+)-doped single-mode optical fibers
11 p1788 N91-19812
He-Ne laser emitting five lines simultaneously
11 p1788 N91-19813
Origin of residual surface resistance of ceramic high-temperature superconductors
11 p1789 N91-19814
Limiting pulse signal in NbN-Si structure: Superconductor film on substrate
11 p1789 N91-19815
Effect of paramagnetic impurities on dynamics of magnetic fluxes in superconductors
11 p1789 N91-19816
Phenomenological theory of phase transitions to nonhomogeneous noncommensurate phase with superconducting current 11 p1789 N91-19817
Thermal conductivity of high-temperature superconductors in normal state
11 p1789 N91-19818
Superconductivity of oxide film electrolytically deposited on surface of B(1-x)Sb(x) single crystal
11 p1790 N91-19819
Coherent effects in generation of ultrashort light pulses by semiconductor injection laser
11 p1790 N91-19820
JPRS report: Science and technology. USSR: Space
[JPRS-USP-90-005] 12 p1848 N91-20154
Development, functions of Kvant-2 supplementary equipment module 12 p1848 N91-20155
Survey of USSR, world space programs
12 p1848 N91-20156
Global circulation of Venusian atmosphere
12 p1848 N91-20157
Preliminary analysis of Venusian tectonics and evolution 12 p1848 N91-20158
Homogeneous distribution of volcanic flows in the Northern Hemisphere of Venus
12 p1848 N91-20159
Sulfuric acid in Venusian atmosphere determined from radio opacity data 12 p1849 N91-20160
Development of model of formation of Venusian nighttime ionosphere for period of low solar activity
12 p1849 N91-20161
Electric fields, dynamics of SO2 concentration, possible vulcanism on Venus 12 p1849 N91-20162
The gravitational field on the physical surface of Venus 12 p1849 N91-20163
Satellite geodesy and earthquake prediction
12 p1849 N91-20164
Conversion of the technology for the production of the Energiya-Buran system in the national economy
12 p1850 N91-20165
Issues in space policy, budgeting
12 p1850 N91-20166
Space programs in Program 2005 advocated
12 p1850 N91-20167
Semenov discusses benefits from Mir Program, shuttle versus ELVs, conversion 12 p1850 N91-20168
Continued development urged for nuclear power sources for spacecraft 12 p1850 N91-20169
US reluctance on space cooperation criticized
12 p1850 N91-20170
JPRS report: Science and technology. China: Radar cross section studies
[JPRS-CST-91-008] 17 p2767 N91-25313
JPRS report: Science and technology. USSR: Earth sciences
[JPRS-UES-91-001] 17 p2800 N91-25494
JPRS report: Science and technology. USSR: Life sciences
[JPRS-ULS-91-008] 17 p2821 N91-25591
Features of optokinetic, optooculomotor and vestibulooculomotor responses in weightlessness
17 p2822 N91-25592
JPRS report: Science and technology. China: Fuzzy logic and neural networks
[JPRS-CST-91-005] 17 p2842 N91-25705
CMOS fuzzy logic circuits in current-mode toward large scale integration 17 p2842 N91-25706
An application of quantum theory to neural network
17 p2842 N91-25707
The truth-valued flow inference network
17 p2843 N91-25708
JPRS report: Science and technology. USSR: Physics and mathematics
[JPRS-UPM-91-003] 17 p2859 N91-25808
JPRS report: Science and technology. USSR: Physics and mathematics
[JPRS-UPM-91-002] 17 p2859 N91-25809
JPRS report: Science and technology. USSR: Physics and mathematics
[JPRS-UPM-91-001] 17 p2859 N91-25810
JPRS report: Science and technology. USSR: Physics and mathematics
[JPRS-UPM-90-005] 17 p2859 N91-25811
JPRS report: Science and technology. USSR: Space
[JPRS-USP-91-002] 18 p2930 N91-26162
Evolution of some types of Earth satellite orbits
18 p2930 N91-26163
Spatial rotations of a satellite in a circular three-body problem for the case of general resonance
18 p2930 N91-26164
Oscillations of a small-mass satellite probe caused by aerodynamic and gravitational forces
18 p2930 N91-26165
Analysis of necessary and sufficient conditions for the equilibrium stability of a gyrostatic satellite
18 p2930 N91-26166
Calculation of the pointing accuracy of spacecraft equipment using autonomous measurements of the angular position of the object of investigation
18 p2930 N91-26167
Analytical algorithms to solve an inverse navigation problem for a system of satellites
18 p2931 N91-26168
Study of the properties of the autonomous optical navigation of a space probe in a rendezvous with an asteroid 18 p2931 N91-26169
Fluid damping of the oscillations of satellites with a large magnetic moment 18 p2931 N91-26170
Measurements of the longitudinal movements of O(+) ions in the subauroral upper atmosphere from the Aureol 3 satellite 18 p2931 N91-26171
Dynamics of equatorial and polar boundaries of penetration of solar protons with energy about 1 MeV into magnetosphere during strong magnetic storm
18 p2931 N91-26172
Modelling the dynamics of fluxes of electrons with energies 30-300 keV in geostationary orbit
18 p2932 N91-26173

Turbulent processes of mass-loading of new ions on Venus and Mars and the problems of numerical models of the interaction of solar wind with these planets. 1: Characteristics of the flow of solar wind around the planets 18 p2932 N91-26174
Characteristics of aerosol in the atmosphere of Mars according to data from the KRFM experiment 18 p2932 N91-26175
Results of morphometric analysis of the Tesserae surface of Venus according to Venera-15 and -16 data 18 p2932 N91-26176
Determination of the masses and densities of meteoroids from radar observations from one point 18 p2932 N91-26177
Review of primary medical results of year-long flight on Mir station 18 p2933 N91-26178
Limited current capabilities for cosmonaut rescue 18 p2933 N91-26179
JPRS report: Science and technology. USSR: Earth sciences [JPRS-UES-91-002] 18 p3002 N91-26581
JPRS report: Science and technology. USSR: Earth sciences [JPRS-UES-91-003] 18 p3002 N91-26582
In the energy active region of the ocean 18 p3003 N91-26583
Effect of turbulence on impurity observation in upper atmosphere using lidar method 18 p3003 N91-26584
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-010] 18 p3022 N91-26683
Pharmacological correction of functional condition of Army Air Force flyers in hot climate with asparkam 18 p3022 N91-26684
Risk factors and prediction of syncopic states in flyers 18 p3022 N91-26685
Survey of the principal results of medical research in the flight program of the second main expedition aboard the Mir orbiting complex 18 p3022 N91-26686
State-of-the-art automated evaluation of functional state of the body in the space program and preventive medicine 18 p3022 N91-26687
JPRS Report: Science and technology. USSR: Life sciences [JPRS-ULS-91-009] 18 p3023 N91-26688
Hormonal regulators of calcium metabolism following space flights of various durations 18 p3023 N91-26689
Computer tomography measurement of vertebral bones and muscles after extended manned space flights 18 p3023 N91-26690
Functional activity of hypophyseal-thyroid system during 370-day antiorthostatic hypokinesia 18 p3023 N91-26691
Changes in rheologic indices of blood and hemodynamics during 14-day antiorthostatic hypokinesia 18 p3023 N91-26692
Higher plants as part of biological human life support system 18 p3024 N91-26693
Biochemical aspects of human adaptation to combined effect of antiorthostasis, decreased barometric pressure, and increased oxygen content 18 p3024 N91-26694
Individual stereotypes of human neuropsychic prognostic activity in problem situations with different probability structures 18 p3024 N91-26695
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-011] 18 p3024 N91-26696
Visual accommodation in cosmonauts 18 p3024 N91-26697
Vestibular reactions and intersensory interactions in weightlessness: Results of Optokinez experiment 18 p3025 N91-26698
Effect of excess respiratory resistance on physical performance and cardiorespiratory function 18 p3025 N91-26699
Effect of shift work of air traffic controllers on sympathetic nervous system 18 p3025 N91-26700
Physical and psychogenic sequelae of impact acceleration on tracking performance of operators 18 p3025 N91-26701
Reaction of human skeletal muscle fibers to 370 day antiorthostatic hypokinesia combined with physical exertion 18 p3025 N91-26702
Effects of 13 day space flight on skeletal muscles and neuromuscular junctions in rats 18 p3026 N91-26703
Effect of 7 day antiorthostatic hypokinesia on cardiac pumping action in monkeys 18 p3026 N91-26704
Diagnostic utility of continuous noninvasive blood pressure monitoring (Penaz method) in gravity-induced blood redistribution 18 p3026 N91-26705
State and forms of adaptation of vestibular function after space flights 18 p3026 N91-26706
Combined effect of noise and vibration on cells of auditory and vestibular apparatus 18 p3026 N91-26707
JPRS report: Science and technology. USSR: Space [JPRS-USP-91-001] 19 p3111 N91-27183
Scientists' discoveries on quasars, supernovas noted 19 p3111 N91-27184
RT-70 millimeter radiotelescope 19 p3111 N91-27185
RSFSR Minister of Space and Communications interviewed 19 p3111 N91-27186
Reevaluation of space program costs, priorities urged 19 p3111 N91-27187
US experience cited to urge change in space program management 19 p3111 N91-27188
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-90-003] 19 p3131 N91-27298
Laser alloying of steel using powder materials 19 p3131 N91-27299
Hardening of VT23 titanium alloy with orthorhombic martensite structure during rapid heating 19 p3131 N91-27300
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-91-007] 19 p3132 N91-27301
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-90-006] 19 p3132 N91-27302
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-91-006] 19 p3132 N91-27303
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-91-005] 19 p3132 N91-27304
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-91-004] 19 p3132 N91-27305
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-91-002] 19 p3132 N91-27306
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-90-004] 19 p3132 N91-27307
Corrosion cracking of steels 03Kh20N18M2D2, 06KhN28MDT under effect of plastic deformation 19 p3132 N91-27308
Properties of high-cleanness high-strength steel 12GN2MFAYu 19 p3132 N91-27309
Microfractographic study of high-speed steel produced from powder 19 p3133 N91-27310
Crystal-chemical principles in control of texture formation in titanium alloy 19 p3133 N91-27311
JPRS report: Science and technology. USSR: Electronics and electrical engineering [JPRS-UEE-90-011] 19 p3155 N91-27441
JPRS report: Science and technology. USSR: Electronics and electrical engineering [JPRS-UEE-90-010] 19 p3156 N91-27448
JPRS report: Science and technology. USSR: Electronics and electrical engineering [JPRS-UEE-91-002] 19 p3156 N91-27449
JPRS report: Science and technology. USSR: Earth sciences [JPRS-UES-91-004] 19 p3183 N91-27602
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-003] 19 p3207 N91-27725
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-004] 19 p3207 N91-27726
Psychophysiological characteristics of sensorimotor activity of operators after short-term simulated weightlessness 19 p3207 N91-27727
Features of terrestrial nighttime sleep of monkeys and sleep during space flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27728
Structural changes in vestibular receptors in rats after flight aboard Cosmos-1667 biosatellite 19 p3207 N91-27729
Mineral density of bones of human skeleton in simulated reduced gravity 19 p3208 N91-27730
Blood serum protein composition and nitrogen metabolism metabolism in individuals exposed to lengthy hypokinesia 19 p3208 N91-27731
Functional testing during yearlong antiorthostatic hypokinesia 19 p3208 N91-27732
Reasons for inflight deterioration of state of health in pilots. Report 2 19 p3208 N91-27733
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-007] 19 p3208 N91-27734
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-013] 19 p3208 N91-27735
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-014] 19 p3208 N91-27736
JPRS Report: Science and technology. USSR: Life Sciences [JPRS-ULS-90-019] 19 p3209 N91-27740
Effect of job load on functional state of naval flight personnel 19 p3210 N91-27741
Pathogenesis and prevention of pain syndrome in pilots on long flights 19 p3210 N91-27742
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-002] 19 p3210 N91-27744
The 370-day antiorthostatic hypokinesia: Goals and protocols 19 p3210 N91-27745
Orthostatic stability of dehydrated healthy men 19 p3210 N91-27746
Physiological sequelae of voluntary breath holding 19 p3210 N91-27747
Acid-base balance in men breathing air with raised CO2 19 p3211 N91-27748
Effects of work and raised CO2 combination on respiration and thermoregulation 19 p3211 N91-27749
Effect of aminazine on functional state of cardiovascular system during hyperthermia 19 p3211 N91-27750
Biological experiments on Kosmos-1887 Biosatellite 19 p3211 N91-27751
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-006] 19 p3215 N91-27768
Habitability and biological life support systems 19 p3215 N91-27769
JPRS report: Science and technology. USSR: Computers [JPRS-UCC-91-001] 19 p3216 N91-27776
JPRS report: Science and technology. USSR: Physics and mathematics [JPRS-UPM-91-004] 19 p3238 N91-27907
JPRS report: Science and technology. USSR: Physics and mathematics [JPRS-UPM-91-005] 19 p3238 N91-27908
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-91-003] 20 p3314 N91-28342
JPRS report: Science and technology. USSR: Physics and mathematics [JPRS-UPM-90-006] 20 p3394 N91-28811
JPRS report: Science and technology. USSR: Materials science [JPRS-UMS-91-001] 21 p3478 N91-29291
JPRS report: Science and technology. USSR: Space [JPRS-USP-91-003] 22 p3625 N91-30170
Commentary on Salyut-7 reentry, intended role of Cosmos-1686-type modules 22 p3625 N91-30171
Results from study of x ray pulsars by Astron Observatory 22 p3625 N91-30172
Soviet participation in FIFE-1989 remote sensing study 22 p3626 N91-30173
Galeyev discusses history, prospects of Institute of Space Research 22 p3626 N91-30174
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-90-018] 22 p3714 N91-30670
Feeding the Salyut-7 crews 22 p3714 N91-30671
Reaction of sympathoadrenal system of cosmonauts after long missions on Salyut-7 orbital spacecraft 22 p3714 N91-30672
Status of lipid peroxidation system in rat tissues after 7-day flight on Kosmos-1667 22 p3714 N91-30673
Blood electrolyte balance in dogs repeatedly exposed to +G(subz) acceleration 22 p3714 N91-30674
Influence of long-term antiorthostatic hypokinesia on activity of enzymes involved in energy and plastic metabolism 22 p3715 N91-30675
Ocular-vestibular-motor interactions in experimental labyrinth asymmetry 22 p3715 N91-30676
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3715 N91-30677
Predicting the effect of linear and angular impact acceleration on humans 22 p3715 N91-30678
JPRS report: Science and technology. USSR: Life sciences [JPRS-ULS-91-005] 22 p3716 N91-30683
Possibilities of using flight simulators in dynamic medical observation of flight crew 22 p3716 N91-30684
Feeding the Salyut-7 crews 22 p3716 N91-30685
Reaction of sympathoadrenal system of cosmonauts after long missions on Salyut-7 orbital spacecraft 22 p3716 N91-30686
Differential criterion for tolerance of a blow to the head in certification of protective gear 22 p3717 N91-30687
Predicting the effect of linear and angular impact acceleration on humans 22 p3717 N91-30688

Analysis of methods of presenting information to an operator in the control process
22 p3717 N91-30689

JOINT RESEARCH CENTRE OF THE EUROPEAN COMMUNITIES, ISPRA (ITALY).
Microstructure and properties of aluminium alloy 7050 electron beam weldments
03 p0329 N91-11833

JUSTUS LIEBIG-UNIV., GIESSEN (GERMANY, F.R.).
Oscillatory Marangoni convection (TEXUS 3A and 3B)
23 p3824 N91-31333
Critical Marangoni number (TEXUS 5)
23 p3825 N91-31334
Critical Marangoni number (TEXUS 8)
23 p3825 N91-31335

K

KAB LABS, INC., SAN DIEGO, CA.
Feature set evaluation for classifiers
[AD-A226903] 06 p0860 N91-14751
Feature set evaluation for classifiers
[AD-A226904] 06 p0860 N91-14752
Feature set evaluation for classifiers
[AD-A226905] 06 p0860 N91-14753

KAISER ALUMINUM AND CHEMICAL CORP., OAKLAND, CA.
Composite ingot casting
[PATENT-1-250-128] 23 p3813 N91-31269

KAISERSLAUTERN UNIV. (GERMANY, F.R.).
Computational methods for the Boltzmann equation
[BR-43] 01 p0043 N91-10256
On the convergence at infinity, rate of convergence and uniqueness of solutions with finite Dirichlet integral to the exterior Dirichlet problem for the steady plane Navier-Stokes system of equations
[PREPRINT-166] 01 p0043 N91-10257
Wide band systems 24 p3982 N91-32242

KAMAN SCIENCES CORP., COLORADO SPRINGS, CO.
Telescope and sensor interface preliminary requirements report for the PORTS chamber
[AD-A237755] 21 p3582 N91-29923

KANSAS COLL. OF TECHNOLOGY, SALINA.
Detection and avoidance of errors in computer software 17 p2883 N91-25937

KANSAS STATE UNIV., MANHATTAN.
Integration of time-varying data into knowledge-based systems for avionics applications
03 p0312 N91-11750
Activated metal oxide surfaces as highly reactive environments
[AD-A227990] 07 p0978 N91-15369
An inter-comparison of surface energy flux measurement systems used during FIFE, 1987
[NASA-CR-187699] 08 p1176 N91-16472
A study of the surface energy balance on slopes in a tallgrass prairie
[NASA-CR-187698] 08 p1176 N91-16473
Automation of closed environments in space for human comfort and safety 10 p1477 N91-18137
The effects of deuterium on static posture control
18 p3094 N91-27102
Persistent photoconductivity in II-VI mixed semiconductors related critical phenomena and applications
[AD-A237792] 21 p3506 N91-29460

KANSAS UNIV., LAWRENCE.
Calculation of aerodynamic characteristics of airplane configurations at high angle of attack in steady and unsteady flow 02 p0178 N91-11009
Solutions of thin-layer Navier-Stokes equations for missile configurations 02 p0210 N91-11173
A solar chronometer for climate: Astronomical and geophysical evidence 05 p0687 N91-13823
On the feasibility of small, very-long-range civil transports 10 p1456 N91-18028
Preliminary design of a supersonic Short-Takeoff and Vertical-Landing (STOVL) fighter aircraft
10 p1482 N91-18165
Development of a system of interactive computer programs for airplane conceptual design and advanced airplane analysis 17 p2735 N91-25144
Incompressible boundary layer transition flight experiments over a nonaxisymmetric fuselage forebody and comparisons with laminar boundary layer stability theory 17 p2775 N91-25359
An optimal pole placement gain scheduling algorithm using output feedback 17 p2831 N91-25643
The impact of trapped radiation on natural satellites imbedded in planetary magnetospheres
17 p2919 N91-26108
Atomic physics in strong fields
[DE91-015393] 21 p3574 N91-29872
Fighter agility metrics 23 p3789 N91-31128
Annular denuder systems: Precision and applicability to stratospheric sampling 24 p4033 N91-32532

KANSAS UNIV. CENTER FOR RESEARCH, INC., LAWRENCE.
The effects of streamline curvature and swirl on turbulent flows in curved ducts
[NASA-CR-187759] 07 p1003 N91-15506
Fourier functional analysis for unsteady aerodynamic modeling
[NASA-CR-187964] 10 p1462 N91-18064
Radar backscatter from the sea controlled experiments
[AD-A229847] 11 p1696 N91-19340
Aerodynamics of thrust vectoring by Navier-Stokes solutions
[NASA-CR-188186] 14 p2189 N91-22092
Scattering from thin apertures in coated conductors using FDTD
[AD-A232125] 15 p2413 N91-23365
RAWS: The spaceborne radar wind sounder
[NASA-CR-188777] 22 p3663 N91-30392
A numerical procedure for recovering true scattering coefficients from measurements with wide-beam antennas
[NASA-CR-186042] 23 p3855 N91-31492
A satellite-based radar wind sensor
[NASA-CR-188805] 23 p3897 N91-31750

KAPTEYN ASTRONOMICAL LAB., GRONINGEN (NETHERLANDS).
High velocity gas in external galaxies
05 p0735 N91-14105
Spiral structure of M51: Streaming motions across the spiral arms 05 p0756 N91-14206
CO distribution in southern S0 galaxies
05 p0763 N91-14239
Interstellar circular polarization and the dielectric nature of dust grains 06 p0888 N91-14905
Dust emission from high latitude cirrus clouds
06 p0892 N91-14930
Properties of grains derived from IRAS observations of dust 06 p0905 N91-15001

KARLSRUHE UNIV. (GERMANY, F.R.).
Distortion of LDA fringe pattern by tracer particles
[SFB-210/E/59] 01 p0048 N91-10286
Examination of numerical formulations to describe complex geometry turbulent elliptical flows, using contour matched coordinates
[ETN-90-97864] 02 p0209 N91-11169
Calculation of transonic, friction between affected channels and profile flows with passive influence
[ETN-90-98192] 04 p0472 N91-12645
Residual stresses analyses in ceramics and metal ceramic composites using x ray methods
05 p0638 N91-13539
Calculations of residual stresses in ceramic soldered joints 05 p0640 N91-13549
Computer-controlled noise adaption for acoustical test facilities 07 p0954 N91-15248
Thematic radar mapping based on multifrequency and multipolarization SAR systems 07 p0992 N91-15443
Experimental and theoretical examinations of film cooling of gas turbine blades
[ETN-91-98554] 08 p1097 N91-16022
High-loaded combustion chambers stationary constant pressure combustion. Part 2: Research reports
[ETN-91-98511] 08 p1113 N91-16112
Safety as a design goal for applications of microelectronic control systems
[REPT-23/90] 08 p1136 N91-16253
Crystal growth in Karlsruhe 14 p2336 N91-22912
Examples of turbulence model applications
23 p3866 N91-31563
Some current approaches in turbulence modelling
24 p4015 N91-32446

KAROLINSKA INST., STOCKHOLM (SWEDEN).
Effects of short-lasting weightlessness on gas exchange during light exercise 11 p1741 N91-19573
Oxygen uptake during concentric and eccentric resistive exercise using a new gravity-independent ergometer
11 p1744 N91-19587
Effects of training with reduced perfusion pressure on performance and muscle fiber characteristics
11 p1748 N91-19615
Muscle function impairment following lower limb unloading in men 11 p1749 N91-19616

KATHOLIEKE INDUSTRIELE HOGESCHOOL WEST VLAANDEREN, OOSTENDE (BELGIUM).
Grounding, shielding, and bonding
19 p3148 N91-27395
Design principles of effective EMC
19 p3148 N91-27399

KATHOLIEKE UNIV. TE LEUVEN (BELGIUM).
Thermal bonding of thermoplastic composites: Influence of matrix and interlayer on the weld fracture toughness
03 p0333 N91-11864
Metallic composites with particles (TEXUS 6)
23 p3844 N91-31436
Metallic composites with particles (TEXUS 7)
23 p3845 N91-31437
Melting and solidification of metallic composites (TEXUS 9)
23 p3845 N91-31438
Metal matrix composites (TEXUS 14b)
23 p3845 N91-31439
Metal matrix composites (TEXUS 20)
23 p3845 N91-31440

KAWASAKI HEAVY INDUSTRIES LTD., GIFU (JAPAN).
CFD research and systems in Kawasaki Heavy Industries and its future prospects 13 p2067 N91-21382
The role of computational fluid dynamics in aeronautical engineering (8): A mixed compression inlet for a supersonic airplane 24 p3945 N91-32048

KAWASAKI HEAVY INDUSTRIES LTD., KAGAMIHARA (JAPAN).
The role of computational fluid dynamics in aeronautical engineering. 7: A simple analysis method of separating flows 04 p0456 N91-12549

KAWASAKI HEAVY INDUSTRIES LTD., KOBE (JAPAN).
The role of computational fluid dynamics in aeronautical engineering 04 p0466 N91-12610

KEENE STATE COLL., NH.
Mass balance investigation of alpine glaciers through LANDSAT TM data 17 p2877 N91-25916

KENT STATE UNIV., OH.
Nucleus-nucleus collisions and the nuclear equation of state
[DE91-016747] 23 p3926 N91-31937
Versatile, low-cost, computer-controlled, sample positioning system for vacuum applications
[NASA-CR-187144] 24 p3981 N91-32237

KENT UNIV., CANTERBURY (ENGLAND).
Space debris: Orbital microparticulates impacting LDEF experiments favour a natural extraterrestrial origin
11 p1821 N91-20008
The micrometeoroid impact hazard in space: Techniques for damage simulation by pulsed lasers and environmental modelling 13 p2040 N91-21220
Studies of molecular excitation in star formation regions 15 p2531 N91-24023
Foil perforation particulate impact records on LDEF MAP AO023: Incident mass distributions
16 p2711 N91-25002
Particulate impacts on the UHCRE cosmic ray experiment teflon covers: The ESA programme
16 p2711 N91-25004
Dynamic (computer) modelling of the particulate environment: Transformations from the LDEF reference frame to decode geocentric and interplanetary populations 16 p2712 N91-25010
Optical fibre based frequency shifters project
[AD-A236353] 19 p3246 N91-27951
A new model of the electron: A suggested experiment to search for a link between electromagnetism and gravity 23 p3895 N91-31738

KENTUCKY UNIV., LEXINGTON.
N-triazolyboranes
[AD-A224893] 03 p0347 N91-11940
Nonlinear thermoelastic analysis of laminated plates and shells 03 p0376 N91-12105
A normative data study of isometric neck strength in healthy, adult males, ages 18-35
[AD-A224642] 03 p0394 N91-12189
A boundary element method for elastostatic and elastodynamic crack problems in two and three dimensions 06 p0837 N91-14626
Research in theoretical nuclear physics
[DE90-010792] 08 p1239 N91-16828
Design and implementation of a ground control console prototype for OMV 10 p1634 N91-19016
Preparation of unsymmetrically B-substituted borazines and characterization of tris(4,6-diethylborazin-2-yl)amine
[AD-A235571] 19 p3123 N91-27254
Cables and crosstalk 19 p3147 N91-27394
Discrepancies in the crystal structures assigned to precipitated zirconia
[AD-A234644] 19 p3250 N91-27976

KEO CONSULTANTS, BROOKLINE, MA.
Miniature imaging photometer, phase 2
[AD-A227716] 07 p1004 N91-15513

KERNFORSCHUNGSZENTRUM G.M.B.H., KARLSRUHE (GERMANY, F.R.).
Determination of residual stresses in ceramics materials using neutron diffraction 05 p0638 N91-13538
In situ measurements of light extinction of stratospheric aerosols 24 p4034 N91-32541

KESTREL INST., PALO ALTO, CA.
Automated design of displays for technical data
[AD-A226729] 08 p1198 N91-16586
Theory of algorithm structure and design
[AD-A229115] 09 p1386 N91-17621

KEURING VAN ELECTROTECHNISCHE MATERIALEN N.V., ARNHEM (NETHERLANDS).
Experiments on the high-temperature behaviour of neutron-irradiated uranium dioxide and fission products, volume 8, number 1
[ST-REPT-VOL-8-NO-1] 14 p2324 N91-22840
KEMA scientific and technical reports, volume 8, number 2, 1990
[ST-REPT-VOL-8-NO-2] 23 p3940 N91-32023
Experiments on ultrasonic thermometry for wet-ash coal gasification 23 p3941 N91-32024
The critical temperature for drying-out of soils around power cables as a function of local conditions 23 p3941 N91-32025
The selective catalytic oxidation of ammonia to N2 and H2O over silica-supported molybdena catalysts 23 p3941 N91-32026
A system to determine whole-plant exchange rates of ozone, carbon dioxide and water vapour 23 p3941 N91-32027
Some applications of X-ray photoelectron spectroscopy and secondary-ion mass spectroscopy 23 p3941 N91-32029

KHARKOV STATE UNIV. (USSR).
Nonlinear surface MHD waves in the inhomogeneous plasma with cusp-resonance in upper solar atmosphere 06 p0916 N91-15052
Nonlinearity influence in local resonance regions on the Alfven waves propagation in solar corona 06 p0917 N91-15055
Description of nonlinear effects in a relativistic plasma using Hamiltonian formalism 06 p0919 N91-15071
Signs of interaction of the NGC 1275 nucleus with the high-velocity system according to 0.7 sec seeing observations 08 p1256 N91-16918

KHD LUFTFAHRTTECHNIK G.M.B.H., OBERURSEL (GERMANY, F.R.).
Cold start investigation of an APU with annular combustor and fuel vaporizers 23 p3793 N91-31154

KIEL UNIV. (GERMANY, F.R.).
Heavy ion measurement on LDEF 16 p2710 N91-24996
Intermittent polarization (TEXUS 2) 23 p3828 N91-31349

KINEMA RESEARCH, MONUMENT, CO.
The feasibility of using neural networks and other optimization algorithms to obtain cross sections from electron swarm data
[AD-A226692] 07 p1048 N91-15753

KITT PEAK NATIONAL OBSERVATORY, TUCSON, AZ.
Tracking atmospheric trace gases by spectroscopy from Kitt Peak 03 p0449 N91-12506
A study of the compact group of galaxies Shahbazian 4 08 p1249 N91-16877

KLEIN ASSOCIATES, YELLOW SPRINGS, OH.
Investigations of naturalistic decision making and the recognition-primed decision model
[AD-A226006] 04 p0602 N91-13351

KLM AEROCARTO, SCHIPHOL (NETHERLANDS).
Topographic mapping from SPOT satellite imagery
[BCRS-90-06] 04 p0539 N91-12986

KMS FUSION, INC., ANN ARBOR, MI.
Experimental development, testing, and research work in support of the inertial confinement fusion program
[DE91-002770] 05 p0721 N91-14026
Experimental development, testing and research work in support of the inertial confinement fusion program
[DE91-002771] 06 p0875 N91-14841

KNOWLEDGE BASED SYSTEMS, INC. COLLEGE STATION, TX.
Design Knowledge Management System (DKMS)
[AD-A230266] 12 p1997 N91-20993
Framework programmable platform for the advanced software development workstation. Integration mechanism design document
[NASA-CR-188592] 17 p2830 N91-25636

KOBE UNIV. OF MERCANTILE MARINE (JAPAN).
Study on ablation of target material induced by pulsed ion beam bombardment 11 p1801 N91-19886

KONE OY, HELSINKI (FINLAND).
Experiences in the use of several experimental methods of fatigue in project preparation 07 p1017 N91-15589

KOREA ADVANCED INST. OF SCIENCE AND TECHNOLOGY, CHONGRYANG (REPUBLIC OF KOREA).
Ion temperature gradient turbulence and coherent structures 20 p3408 N91-28890

KOZIN BOGDANOFF AND ASSOCIATES, INC., WEST LAFAYETTE, IN.
Reaction rate engineering models of fatigue crack growth
[AD-A236975] 19 p3181 N91-27590

KRUG INTERNATIONAL, HOUSTON, TX.
Mini-rack testbed evaluation 24 p4078 N91-32779
Transport suction apparatus and absorption materials evaluation 24 p4079 N91-32784
Minor surgery in microgravity 24 p4079 N91-32786
Evaluation of prototype Advanced Life Support (ALS) pack for use by the Health Maintenance Facility (HMF) on Space Station Freedom (SSF) 24 p4079 N91-32787
Evaluation of cardiopulmonary resuscitation techniques in microgravity 24 p4079 N91-32789
Fluid handling 2: Surgical applications 24 p4080 N91-32790
Evaluation of prototype air/fluid separator for Space Station Freedom Health Maintenance Facility 24 p4080 N91-32791

KRUG INTERNATIONAL, SAN ANTONIO, TX.
An annotated bibliography of hypobaric decompression sickness research conducted at the Crew Technology Division, USAF School of Aerospace Medicine, Brooks AFB, Texas from 1983 to 1988
[AD-A231355] 13 p2128 N91-21710

KRUG LIFE SCIENCES, INC., SAN ANTONIO, TX.
Review of audition literature: Selection of acoustic signals for use in the synthesis of auditory space
[AD-A234579] 18 p3056 N91-26881

KRUPP (FRIED.) G.M.B.H., ESSEN (GERMANY, F.R.).
Fundamental studies in the manganese-bismuth system (TEXUS 2) 23 p3840 N91-31414
Alloys with oxide inclusions (TEXUS 2) 23 p3844 N91-31432
The behaviour of alumina-copper suspensions (TEXUS 3A and 3B) 23 p3844 N91-31433
Copper-alumina suspensions (TEXUS 5) 23 p3844 N91-31434
Copper-molybdenum suspension (TEXUS 9) 23 p3844 N91-31435
Liquid phase sintering (TEXUS 19) ESA 23 p3846 N91-31446
Manufacture of steel foam (TEXUS 4) 23 p3847 N91-31448
Manufacture of steel foam (TEXUS 6) 23 p3847 N91-31449
Manufacture of iron foam (TEXUS 7) 23 p3847 N91-31450
Gas bubbles in a copper-alumina suspension (TEXUS 11) 23 p3848 N91-31453
Bubble formation, growth, and expansion during the liquid phase sintering of a WC-Co sample 23 p3848 N91-31454
Krupp Technical Reports, number 2, December 1990 (English version)
[ISSN-0930-9276] 24 p4114 N91-32994
The role of Krupp Forschungsinstitut in international R and D cooperation 24 p4114 N91-32996

KRUPP ATLAS-ELEKTRONIK, BREMEN (GERMANY, F.R.).
Know-how for Europe 24 p4114 N91-32997

KRUPP CORPOPLAST MASCHINENBAU G.M.B.H., HAMBURG (GERMANY, F.R.).
Manufacture of containers from an oriented biopolymer 24 p4115 N91-32999

KRUPP WIDIA G.M.B.H., ESSEN (GERMANY, F.R.).
Europe 1993: Challenge and opportunity for distribution logistics 24 p4114 N91-32998

KTAADN, INC., NEWTON, MA.
Improved ANS lightning predictors using additional surface wind and electric field data
[AD-A236771] 19 p3202 N91-27700

KUCK (DAVID L.), ORACLE, AZ.
Extraterrestrial resources: Implications from terrestrial experience 17 p2902 N91-26031
Finding and utilizing lunar lava tubes 17 p2906 N91-26048
Lunar sulfur 17 p2906 N91-26049

KUMAMOTO UNIV. (JAPAN).
Generation of pulsed ion beams by an inductive storage pulsed power generator 11 p1802 N91-19891
Soft x ray emission from a gas-puff z-pinch plasma 19 p3249 N91-27970

KUMM (EMERSON L.), PHOENIX, AZ.
Flat belt continuously variable high speed drive
[DE91-011032] 22 p3688 N91-30535

KURCHATOV (I. V.) INST. OF ATOMIC ENERGY, MOSCOW (USSR).
Generation of cosmic rays in pinches 06 p0919 N91-15070

KYOTO SANGYO UNIV. (JAPAN).
Dragging force on galaxies due to streaming dark matter 08 p1261 N91-16947
On the large-scale structures formed by wakes of open cosmic strings 08 p1262 N91-16951

KYOTO UNIV. (JAPAN).
Numerical analysis of supersonic gas-particle two-phase flows around a sphere 04 p0452 N91-12521
Numerical analysis of gas-particle two-phase flows 04 p0467 N91-12619
Interaction between a spherical jet and a flow 04 p0468 N91-12620
A two micron polarization survey toward dark clouds 06 p0896 N91-14952
Anomalous transport studies for heliotron/torsatron 10 p1600 N91-18823
Historical aspects of radar atmospheric dynamics 18 p3009 N91-26614
Radar principles 18 p3009 N91-26615
Data acquisition and processing 18 p3010 N91-26618
Target parameter estimation 18 p3010 N91-26620
Log-stable distribution of energy dissipation in turbulence 20 p3407 N91-28885
Edge anomalous transport in heliotron/torsatron 20 p3408 N91-28892
Numerical analysis of bubbly liquid in convergent-divergent nozzle 24 p3945 N91-32052

KYOTO UNIV., KUMATORI (JAPAN).
Effects of neutron irradiation on low temperature strength of aluminum alloys and their electron beam welded joints
[DE91-744817] 12 p1869 N91-20267

KYOTO UNIV., UJI (JAPAN).
Quasi-nonlinear theory of cosmological self-gravitating systems
[DE91-744971] 11 p1819 N91-19989
Statistics of peaks in cosmological nonlinear density fields
[DE91-744972] 11 p1819 N91-19990
How many times do we have in quantum gravity
[DE91-744973] 11 p1819 N91-19991
Gravitational lens effect of wall-like objects and its cosmological implications
[DE91-744976] 11 p1819 N91-19992
Moduli space of Chern-Simons gravity
[DE91-772178] 17 p2874 N91-25898

KYUSHU UNIV., FUKUOKA (JAPAN).
Numerical calculations of separated flows around a wing section at unsteady motion by a discrete vortex method 04 p0451 N91-12517
A zonal approach for solutions to the compressible Navier-Stokes equations using a TVD finite volume method 04 p0455 N91-12539
Numerical simulations of unsteady shock reflection processes by a ramp 08 p1139 N91-16267
Numerical simulation of separated flows around a wing section at steady and unsteady motion by a discrete vortex method 08 p1139 N91-16268
Unsteady vortex lattice calculation of the flow around a slender delta wing 08 p1140 N91-16272
Transport phenomena in ultra-long discharge 10 p1600 N91-18826
Dynamics of interfaces with internal structures 20 p3414 N91-28926
Numerical simulation of unsteady compressible viscous flows using an implicit upwind relaxation scheme 24 p3944 N91-32041

L

L AND S COMPUTER TECHNOLOGY, INC., AUSTIN, TX.
Performance engineering for mission critical embedded computer systems
[AD-A228643] 10 p1566 N91-18608
Software performance engineering for realtime systems
[AD-A229121] 10 p1569 N91-18627

L'GARDE, INC., TUSTIN, CA.
Concentrator flight test experiment
[AD-A237390] 21 p3536 N91-29647

LA SAPIENZA UNIV., ROME (ITALY).
Computational modelling of dump combustors flowfield 13 p2017 N91-21096

LABEN FERRANTI INTERNATIONAL, VIMODRONE (ITALY).
A solid state mass memory for space applications: Technological and system aspects 24 p3995 N91-32329

LABORATOIRE CENTRAL DE RECHERCHES THOMSON-CSF, ORSAY (FRANCE).
High temperature superconducting thin films for microelectronics: Preparation and properties 05 p0722 N91-14033
Microwave superconducting electronic devices 05 p0723 N91-14037
High Tc superconductors for microwave filters 05 p0723 N91-14038

LABORATOIRE D'AEROLOGIE, TOULOUSE (FRANCE).
The detection of the electric field vertical distribution underneath thundercloud: Principle and applications 24 p4055 N91-32653

LABORATOIRE D'ASTRONOMIE SPATIALE, MARSEILLE (FRANCE).
Optical properties of irregular interstellar grains
06 p0904 N91-14995
LABORATOIRE D'AUTOMATIQUE ET D'ANALYSE DES SYSTEMES, TOULOUSE (FRANCE).
Geometric method and synthesis af assembly strategies in robotic systems
[LAAS-90041] 02 p0217 N91-11215
Evaluation and fabrication of GaAs integrated logic circuits
[LAAS-90160] 05 p0653 N91-13628
Design of high voltage planar devices using SIPOS technology
[LAAS-90237] 05 p0653 N91-13629
Design of GaAlAs/GaAs GRIN-SCH SQW diode lasers. Analysis of the temperature dependence
[LAAS-90277] 05 p0667 N91-13708
Modeling and control of a redundant robot manipulator composed of several Stewart platforms
[LAAS-90146] 05 p0671 N91-13728
About transient stability of power systems: Statistical pattern recognition approach
[LAAS-90192] 05 p0698 N91-13889
Dynamic behavior of thin silicon plate: Application to silicon sensors
[LAAS-90144] 06 p0829 N91-14582
Prototyping of a protocol validation environment: Application to the Estelle approach
[LAAS-90113] 06 p0864 N91-14774
Reasoning of the geometric and uncertainty constraints in planning robot manipulation tasks
[LAAS-90143] 06 p0864 N91-14775
Modeling and verification of distributed systems with labeled predicate transition nets
[LAAS-90215] 08 p1130 N91-16214
Design and fabrication of high voltage planar devices
[LAAS-90306] 08 p1136 N91-16252
Vectorial and parallel algorithms in dynamic programming for optimal control problems
[LAAS-90256] 08 p1205 N91-16629
Implementation and simulation of the manufacturing systems control coordination level: A mixed approach of Petri nets and rule-based systems
[LAAS-90355] 08 p1208 N91-16645
About Petri nets with fuzzy markings
[LAAS-90354] 08 p1212 N91-16670
Interconnection of computer networks and integrated services digital networks: Modelization and verification of architectures of communication
[LAAS-90344] 10 p1576 N91-18672
Temporal reasoning for planning and situation assessment
[LAAS-90353] 10 p1578 N91-18686
Three-dimensional object recognition by monocular and multisensory perception: Space robotics application
[LAAS-90286] 10 p1596 N91-18806
Dependability validation by means of injection: Method, implementation, application
[LAAS-90399] 12 p1958 N91-20774
Adaptive predictive control: Application to thermal processes
[LAAS-90401] 12 p1967 N91-20828
Interactive graphical programming of nonrepetitive contact manipulation tasks
[LAAS-90371] 12 p1968 N91-20829
Simulation of heteropitaxial multilayer growth: Formation of extended colonies and defects
[LAAS-90404] 12 p1991 N91-20961
Time-optimal motion of robotic manipulators including nonlinear dynamics
[LAAS-90403] 15 p2440 N91-23516
Research and development involved in creating a quantitative EEG cartography wide band analysis system
[LAAS-91002] 15 p2474 N91-23705
Saturation and vote for the fault tolerance in distributed systems
[LAAS-90390] 15 p2480 N91-23727
Motion vision for mobile robots
[LAAS-91048] 22 p3755 N91-30933
On the stability of saturated state feedback regulators
[LAAS-91047] 23 p3860 N91-31524
Intrusion and fault tolerance compatibility. Part 1: Fault protection, coding and tolerance state of the art
[LAAS-89-395] 23 p3882 N91-31662
Path planning for non-holonomic mobile robots
[LAAS-91135] 23 p3918 N91-31882
LABORATOIRE D'INFORMATIQUE POUR LA MECANIQUE ET LES SCIENCES DE L'INGENIEUR, PARIS (FRANCE).
Numerical simulation of three dimensional unsteady flow by multiprocessor solving of the Navier-Stokes equations
[ETN-91-99974] 23 p3871 N91-31594
LABORATOIRE DE L'HORLOGE ATOMIQUE, ORSAY (FRANCE).
Physical origin of the frequency shifts in cesium beam frequency standards: Related environmental sensitivity
17 p2856 N91-25794
LABORATOIRE DE MEDECINE AEROSPATIALE, BRETIGNY-SUR-ORGE (FRANCE).
Problems posed by the adaptation of physiological protective equipment for female combat pilots
02 p0246 N91-11372
Morphological and functional adaptation of personal equipment designed for female personnel
02 p0247 N91-11374
Detection of loss of consciousness in flight by Doppler method
08 p1193 N91-16555
Review of EEG studies in non human primates exposed to microgravity
11 p1754 N91-19649
LABORATOIRE NATIONAL D'ESSAIS (FRANCE).
Progress of the Laboratoire National d'Essais in the field of materials data bank
12 p1996 N91-20984
LABORATORIO DE COMPUTACAO CIENTIFICA, RIO DE JANEIRO (BRAZIL).
Finite element analysis of nonlinear creeping flows
[DE90-627189] 01 p0055 N91-10327
LABORATORIO NACIONAL DE ENGENHARIA E TECNOLOGIA INDUSTRIAL, LISBON (PORTUGAL).
Short crack behaviour in Al-Li alloy 2090
02 p0222 N91-11243
LABTEK CORP., WOODBRIDGE, CT.
Scheduler issues for real-time Ada
[AD-A227766] 08 p1199 N91-16592
Tailoring an Ada runtime environment proof-of-concept
[AD-A227767] 08 p1199 N91-16593
Distributed issues for Ada real-time systems
[AD-A227852] 08 p1201 N91-16603
LAHEY CLINIC MEDICAL CENTER, BOSTON, MA.
Initial blood storage experiment
[NASA-CR-185513-PT-1] 06 p0851 N91-14700
Initial blood storage experiment
[NASA-CR-185513-PT-2] 06 p0852 N91-14701
LAMONT-DOHERTY GEOLOGICAL OBSERVATORY, PALISADES, NY.
NCEER strong-motion data base: A user manual for the geobase release (version 1.0 for the SUN3)
[PB90-258062] 02 p0235 N91-11315
Sensitivity of the oceanic turbulent boundary layer to cyclic insolation change with response periods of 23 to 2.5 Ky: An equatorial Atlantic record for the last 200 Ka
03 p0442 N91-12469
Multi-dimensional aspects of recent climate change in North America
[DE90-010958] 08 p1173 N91-16460
Sea-level response to ice sheet evolution: An ocean perspective
18 p3001 N91-26575
A multichannel seismic investigation of variations in crustal structure in the western North Atlantic
[AD-A235245] 18 p3012 N91-26634
CO2 measurements along the WOCE P-16 and 19 sections in the South Pacific Ocean: A joint LDGO/WHOI program
[DE91-015742] 21 p3547 N91-29708
LANCASTER POLYTECHNIC, PRESTON (ENGLAND).
The 3 micron spectrum of NGC 4565
05 p0740 N91-14132
LANCASTER UNIV. (ENGLAND).
The importance of submillimetre observations of radio quiet and radio loud AGN's
13 p2174 N91-22000
Radio absorption in the Antarctic ionosphere: Some observations in the region of the midlatitude trough
20 p3374 N91-28694
Full-range axisymmetric elastoplastic large deflection of circular and annular plates under transverse, in-plane and combined loading
22 p3692 N91-30557
LANDESSTERNWARTE AUF DEM KOENIGSTUHL, HEIDELBERG (GERMANY, F.R.).
Stellar kinematics of elliptical galaxies in pairs
08 p1245 N91-16862
Luminous hot variables
09 p1429 N91-17865
LAPPEENRANNAN TEKNILLINEN, KORKEAKOULU (FINALAND).
Evolution of fatigue crack in welds
07 p1016 N91-15578
On stress concentrations in welded components
07 p1017 N91-15583
FEM analysis of the centralizing stress caused by a casing shell
07 p1017 N91-15584
LASER APPLICATIONS RESEARCH CENTER, THE WOODLANDS, TX.
Thermophysical property measurements in electromagnetic levitators
13 p2061 N91-21344
LASER PHOTONICS TECHNOLOGY, INC., AMHERST, NY.
Chemical processing of novel multifunctional materials for sensor protection against laser threats
[AD-A237716] 22 p3683 N91-30505
LASER SCIENCE, INC., AMES, IA.
Laser deposition of cubic boron nitride on electronic materials
[AD-A238313] 23 p3809 N91-31249
LASERGENICS CORP., SAN JOSE, CA.
Single crystal fibers of MgO:LiNbO3
[AD-A230277] 12 p1988 N91-20940
Very high temperature fibers of TiC and TiB2
[AD-A237423] 21 p3470 N91-29242
LAU (G. C. AND J. E.) AND ASSOCIATES, CANBERRA (AUSTRALIA).
Aquifer characteristics and groundwater resources of the Amadeus Basin
19 p3199 N91-27681
LAUSANNE UNIV. (SWITZERLAND).
Nitrogen abundances in chemically peculiar stars
09 p1435 N91-17903
LAWRENCE LIVERMORE NATIONAL LAB., CA.
Application of Fabry-Perot velocimetry to hypervelocity impact experiments
[DE90-015612] 01 p0015 N91-10096
The transport properties of activated carbon fibers
[DE90-015910] 01 p0022 N91-10130
Equal eigenvalues in multicomponent diffusion: The extraction of diffusion coefficients from experimental data in ternary systems
[DE90-012074] 01 p0024 N91-10142
High strain rate deformation behavior of shocked copper
[DE90-016481] 01 p0027 N91-10161
Very high burn rate propellants
[DE90-016865] 01 p0031 N91-10186
An x band backward-wave oscillator experiment
[DE90-015119] 01 p0037 N91-10219
A new method for doing flat-field intensity calibrations of multiplexed ITT streak cameras
[DE90-016475] 01 p0045 N91-10267
The 1987 Strategic Defense Initiative Organization (SDIO) Workshop on Laser Propulsion
[DE90-013484] 01 p0046 N91-10274
Damage assessment and possible damage mechanisms to 1-meter diameter Nova turning mirrors
[DE90-016473] 01 p0047 N91-10278
KrF laser path to high gain ICF (inertial confinement fusion) laboratory microfusion facility
[DE90-016439] 01 p0047 N91-10282
Design of a triaxial residual stress measurement system using high-energy x ray diffraction
[DE90-016212] 01 p0056 N91-10331
Global tropospheric chemistry modeling
[DE90-015908] 01 p0068 N91-10409
CVMAC 2D Program: A method of converting 3D to 2D
[DE90-015147] 01 p0108 N91-10626
Workshop on Massively Parallel Computing in Magnetic Fusion Energy
[DE90-018009] 01 p0112 N91-10650
Domain decomposition: An instrument of asymptotic-numerical methods
[DE90-016478] 01 p0113 N91-10661
Theoretical studies of High Energy Density Matter (HEDM) molecules
[DE90-014831] 01 p0119 N91-10706
Deposition controlled uniformity of multilayer mirrors
[DE90-015906] 01 p0121 N91-10718
Diamond turning of optical crystals
[DE90-015909] 01 p0121 N91-10719
Design, performance, and calibration of the ALEXIS ultrasoft x-ray telescopes
[DE90-016483] 01 p0122 N91-10720
A distributed control and monitor system used in laser fusion research
[DE90-013478] 01 p0124 N91-10732
Electromagnetic particle codes on unstructured grids
[DE90-015187] 01 p0124 N91-10733
Technical Abstracts: Mechanical engineering
[DE90-014797] 01 p0135 N91-10802
Coronal heating by nanoflares: Plasma dynamics of elementary events
[DE90-016495] 01 p0141 N91-10830
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Multiple-energy techniques in industrial computerized tomography
[DE90-017518] 02 p0193 N91-11081
Aluminum metal combustion in water revealed by high speed microphotography
[DE90-017525] 02 p0193 N91-11082
High-resolution electron microscopy observations of athermal omega phase in Ti-Mo alloys
[DE90-017526] 02 p0196 N91-11098
Compact representation of radiation patterns using spherical mode expansions
[DE91-000019] 02 p0204 N91-11141
A hybrid pulse forming technique
[DE90-016860] 02 p0207 N91-11156

TOPAZ2D heat transfer code users manual and thermal property data base
[DE91-000075] 02 p0214 N91-11195
The measurement and finite element analysis of the dynamic stiffness of non-uniform clearance, gas, thrust bearings
[DE90-015120] 02 p0217 N91-11214
A molecular dynamics model of the orthogonal cutting process
[DE90-015911] 02 p0220 N91-11230
A continuum tensile failure model with friction
[DE90-018006] 02 p0226 N91-11265
Chlorine dioxide and hemodialysis
[DE90-015912] 02 p0248 N91-11382
IGES efficiency evaluation
[DE90-015192] 02 p0254 N91-11409
SISAL versus FORTRAN: A comparison using the Livermore loops
[DE90-010872] 02 p0254 N91-11414
Atomic physics of highly charged ions in an electron beam ion trap
[DE90-017528] 02 p0268 N91-11499
MONT3E: A Monte Carlo electron heat transfer code
[DE90-012091] 02 p0270 N91-11514
Design and operation of the electron beam ion trap
[DE91-000074] 02 p0270 N91-11515
ECH by FEL and gyrotron sources on the Microwave Tokamak Experiment (MTX) tokamak
[DE91-000286] 02 p0275 N91-11547
A new site for the astrophysical gamma-process
[DE90-017519] 02 p0292 N91-11635
Novel plasma-based frequency upshift methods for short pulse lasers
[DE91-000411] 03 p0370 N91-12076
REMAP: A computer code that transfers node information between dissimilar grids
[DE91-000073] 03 p0401 N91-12229
Shock compaction of high-T(sub c) superconductors
[DE91-000786] 03 p0424 N91-12373
Superpressure stratospheric vehicle
[DE91-000496] 04 p0479 N91-12670
Securing America's access to space
[DE91-000412] 04 p0488 N91-12713
Order-disorder phenomena in complex alloys: The case of A15-based substitutional alloys
[DE91-000815] 04 p0505 N91-12804
A high temperature, plasma-assisted chemical vapor deposition system
[DE91-000260] 04 p0506 N91-12809
Uses of Fabry-Perot velocimeters in studies of high explosives detonation
[DE91-000813] 04 p0511 N91-12841
Photoconductivity of activated carbon fibers
[DE91-000814] 04 p0520 N91-12895
XUV free-electron laser-based projection lithography systems
[DE91-000441] 04 p0528 N91-12926
Calculation of soft x ray lasers at 44.8(angstrom) and 43.1(angstrom)
[DE91-000818] 04 p0530 N91-12940
Nondestructive evaluation of residual stress in anisotropic materials
[DE91-000952] 04 p0537 N91-12978
APTBLIBE: Geometrical and Monte Carlo sampling routines for the Cray computer
[DE91-000498] 04 p0564 N91-13132
An information-theoretic look at branch-prediction
[DE91-000499] 04 p0564 N91-13133
Microwave excitation of copper vapor plasmas
[DE91-000588] 04 p0585 N91-13262
Soft x ray detection with diamond photoconductive detectors
[DE91-000418] 04 p0585 N91-13264
Comments on open-ended magnetic systems for fusion
[DE91-000972] 04 p0585 N91-13265
Fusion energy
[DE91-000801] 04 p0585 N91-13267
Grazing incidence metal mirrors as the final elements in a laser driver for inertial confinement fusion
[DE91-000944] 04 p0585 N91-13268
K-shell and L-shell plasma spectroscopy experiments
[DE91-000950] 04 p0586 N91-13269
Some applications of mirror-generated electric potentials to alternative fusion concepts
[DE91-000973] 04 p0586 N91-13270
Strategy and tactics in the search for new harmonic generating crystals
[DE91-000281] 04 p0591 N91-13299
Energy and technology review, July-August, 1990
[DE91-000482] 04 p0611 N91-13397
Multiphase carbon and its properties in complex mixtures
[DE91-001679] 05 p0632 N91-13499
Three point bend creep testing of carbon/epoxy
[DE91-001083] 05 p0632 N91-13501
Materials impurity analysis by means of nuclear resonance reactions
[DE91-001758] 05 p0635 N91-13520
Temporal scattering and response software: Users' manual
[DE91-001760] 05 p0647 N91-13593
MPPE (Multiple Pulse Propagation Experiment) results
[DE91-001678] 05 p0648 N91-13599
Relativistic kylstron simulations using RKTW2D
[DE91-001747] 05 p0652 N91-13619
Computational and experimental progress on laser-activated gas avalanche switches for broadband, high-power electromagnetic pulse generation
[DE91-001763] 05 p0652 N91-13623
Twelve signals multiplexed with the LLNL optical streak camera
[DE91-000066] 05 p0662 N91-13680
Operation of inductively coupled plasma source mass spectrometers in the peak jumping mode
[DE91-001766] 05 p0664 N91-13689
X ray holography at Lawrence Livermore National Laboratory
[DE91-002673] 05 p0664 N91-13690
Study and development of tunable, single mode AlGaAs/GaAs lasers
[DE91-001684] 05 p0665 N91-13697
Ultra-high brightness (greater than 10(exp 21) W/sq cm) laser facility
[DE91-001685] 05 p0665 N91-13698
Free-electron laser experiments in the microwave tokamak experiment
[DE91-001746] 05 p0666 N91-13699
An interactive program for the analysis and design of advanced laser targets
[DE91-002542] 05 p0666 N91-13704
Use of dome (meniscus) lenses to eliminate birefringence and tensile stresses in spatial filters for the Nova laser
[DE91-002784] 05 p0667 N91-13707
Laser programs highlights, July - August 1990
[DE91-001056] 05 p0667 N91-13709
Penetration of yawed projectiles
[DE91-001084] 05 p0670 N91-13726
A comparison of two numerical methods for shocks in one-dimensional elastic-plastic solids
[DE91-001741] 05 p0677 N91-13765
Atmospheric and geophysical sciences division program report, 1988 - 1989
[DE91-001057] 05 p0680 N91-13780
Stratospheric ozone conservation by electron attachment to chlorine atoms: The negative-ion chemistry
[DE91-002951] 05 p0686 N91-13815
Image 3.3: Tutorial manual
[DE91-001762] 05 p0701 N91-13908
Computed tomography software and standards
[DE91-002573] 05 p0702 N91-13914
Solving the Fokker-Planck equation on a massively parallel computer
[DE91-002795] 05 p0702 N91-13915
Proceedings of the Workshop on Software Tools for Distributed Intelligent Control Systems
[DE91-001755] 05 p0707 N91-13943
Success with an automated computer control system
[DE91-001759] 05 p0708 N91-13945
Numerical methods for boundary value problems in differential-algebraic equations
[DE91-001748] 05 p0709 N91-13956
Lattice Boltzmann methods for some 2-D nonlinear diffusion equations: Computational results
[DE91-004175] 05 p0710 N91-13962
Real-space multiple scattering theory calculations of LEED (Low-Energy Electron Diffraction) intensities for stepped surfaces
[DE91-000810] 05 p0713 N91-13978
Inner-shell ionization of lithium-like chromium ions
[DE91-001749] 05 p0713 N91-13981
HYLIFE-2 inertial confinement fusion reactor design
[DE91-000792] 05 p0717 N91-14004
Stimulated Raman scatter from laser-produced plasmas: Merely nonlinear or also chaotic
[DE91-001742] 05 p0718 N91-14007
Compact Ignition Tokamak project: Localizability of electron-cyclotron heating power
[DE91-002571] 05 p0720 N91-14016
A rapid relativistic distorted wave approach for calculating cross sections for ionization of highly charged ions
[DE91-002667] 05 p0720 N91-14020
Fast Pb-glass neutron-to-light converter for ICF (inertial Confinement Fusion) target burn history measurements
[DE91-002670] 05 p0720 N91-14021
Subnanosecond, high voltage photoconductive switching in GaAs
[DE91-002671] 05 p0727 N91-14063
Spatial analysis of IRAS observations of nearby spirals
05 p0741 N91-14133
Analysis of gamma ray burst spectra with cyclotron lines
[DE91-001745] 05 p0769 N91-14269
AC-130H Gunship Armor Upgrade Project
[DE91-002567] 06 p0802 N91-14428
A modification of 4330 alloy steel
[DE91-001764] 06 p0807 N91-14455
Computer studies of the dynamic strength of ceramics
[DE91-002568] 06 p0811 N91-14481
A vibrating razor blade machining tool for material removal on low-density foams
[DE91-002996] 06 p0816 N91-14507
A system architecture for long duration free floating flight for military applications
[NASA-CR-187435] 06 p0817 N91-14513
Avalanche transistor selection for long term stability in streak camera sweep and pulser applications
[DE91-004195] 06 p0821 N91-14535
A numerical theory of lattice gas and lattice Boltzmann methods in the computation of solutions to nonlinear advective-diffusive systems
[DE91-002566] 06 p0825 N91-14560
Shot report, Holo-17-Holo-22 Rex-9
[DE91-002575] 06 p0829 N91-14583
Recent long-pulse and high-average-power tests on a 140 GHz gyrotron
[DE91-001680] 06 p0831 N91-14592
Enable Kit (MC-4246) for the DOT Charged Line System: Welding development report for 1/4-inch tubes and fittings
[DE91-002577] 06 p0833 N91-14606
The effects of climate change on the nitrogen cycle and acid deposition
[DE91-002785] 06 p0843 N91-14659
Construction of large-scale simulation codes using ALPAL (A Livermore Physics Applications Language)
[DE91-002783] 06 p0858 N91-14740
Projected implicit Runge-Kutta methods for differential-algebraic boundary value problems
[DE91-000660] 06 p0867 N91-14791
Integrated optical devices for photonics instrumentation systems
[DE91-004192] 06 p0873 N91-14828
Physics data base for the Beam Plasma Neutron Source (BPNS)
[DE91-002796] 06 p0876 N91-14842
A characterization of internal-Sn Nb3 Sn superconductors for use in the Proof of Priciples (PoP) coil
[DE91-001743] 06 p0879 N91-14852
Control-Structure-Interaction (CSI) technologies and trends to future NASA missions
[NASA-CR-187471] 07 p0963 N91-15299
Ground-to-orbit laser propulsion: Advanced applications
[DE91-004787] 07 p0966 N91-15305
Joining of polymer composite materials
[DE91-004946] 07 p0970 N91-15327
Reduction of multielement mass spectra
[DE91-001767] 07 p0976 N91-15354
Advanced design and modeling concepts for recombination x ray lasers
[DE91-005071] 07 p1008 N91-15536
Area and volume coherence for efficient visualization of 3D scalar functions
[DE90-012994] 07 p1049 N91-15760
SISAL 1.2: High-performance applicative computing
[DE90-011461] 07 p1053 N91-15780
Vectorization of an applicative language: Current results and future directions
[DE91-005069] 07 p1054 N91-15789
The effects of laser beam non-uniformities on x ray conversion efficiency
[DE91-004879] 07 p1069 N91-15883
Simulation, design, and fabrication of thin-film resistive-gate GaAs charge coupled devices
[DE91-000419] 07 p1072 N91-15902
Thermomechanical properties of Cr:Tm:Ho:Y3Al5O12
[DE91-000501] 07 p1073 N91-15903
Time-dependent two-dimensional radiation hydrodynamics of accreting matter onto highly magnetized neutron stars
[DE91-005228] 07 p1083 N91-15960
A numerical study of silane combustion
[DE90-006002] 08 p1107 N91-16080
Auto-ignition temperatures of binary mixtures of alkanes in a closed vessel: Comparisons between experimental measurements and numerical predictions
[DE90-007856] 08 p1108 N91-16082
The new LLNL AMS spectrometer
[DE91-010868] 08 p1108 N91-16084
Microwave measurements of water vapor partial pressure at temperatures up to 350 C
[DE90-011484] 08 p1108 N91-16087

The design and construction of an Automated Multi-Object Spectroscopy system (AMOS)
[DE90-011497] 08 p1109 N91-16088
The search for high energy low vulnerability explosives
[DE90-009436] 08 p1121 N91-16158
Paste extrudable explosives: Their history and their current status
[DE90-009438] 08 p1121 N91-16159
Development of a high-tensile-strain plastic-bonded TATB explosive
[DE90-011463] 08 p1121 N91-16162
Comparison of propagation and absorption of FEL-generated microwaves with theory
[DE90-010369] 08 p1125 N91-16181
Modeling pulse driven antenna systems with finite differences
[DE90-010682] 08 p1125 N91-16182
Multiframe x ray images from a single meander stripline coated on a microchannel plate
[DE90-010741] 08 p1131 N91-16224
Stability and accuracy of the sweep rate measurements for LLNL optical streak cameras
[DE90-012080] 08 p1148 N91-16324
Short pulse driven recombination x ray lasers
[DE90-009945] 08 p1151 N91-16340
Cluster formation in laser-induced ablation and evaporation of solids observed by laser ionization time-of-flight mass spectrometry and scanning tunneling microscopy
[DE90-010876] 08 p1152 N91-16344
Generation of XUV light by resonant frequency tripling in a two-wiggler FEL amplifier
[DE90-012120] 08 p1153 N91-16349
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010200] 08 p1169 N91-16437
Study of the global distributions of atmospheric radionuclides
[DE90-010749] 08 p1173 N91-16455
Numerical simulation of aerosol scavenging by ice-bearing convective clouds
[DE90-010676] 08 p1173 N91-16457
Parameterization of aerosol scavenging in a convective cloud model
[DE90-010865] 08 p1173 N91-16458
Climate Caucus report: Opportunities for bridging the gaps from effects to impacts
[DE90-010877] 08 p1173 N91-16459
Ozone and acid-precipitation on western coniferous forests
[DE90-011014] 08 p1174 N91-16462
Seismic imaging for velocity and attenuation structure in geothermal fields
[DE90-010742] 08 p1175 N91-16469
GCM (General Circulation Model) predictions for surface air temperature and precipitation over the southeastern United States
[DE90-009434] 08 p1180 N91-16497
The value of on-site sodar data in regional modeling
[DE90-009921] 08 p1180 N91-16498
Application of AMS to the biomedical sciences
[DE90-010869] 08 p1189 N91-16538
POSC: A Partitioning and Optimizing SISAL Compiler
[DE90-010679] 08 p1197 N91-16577
Massively parallel Fokker-Planck calculations
[DE90-010691] 08 p1206 N91-16633
Computational physics at the National Energy Research Supercomputer Center
[DE90-010283] 08 p1212 N91-16672
A new approach for the determination of electronic structure
[DE90-010479] 08 p1219 N91-16713
Is there hope for fusion
[DE90-012095] 08 p1223 N91-16736
Microwave Tokamak Experiment (OMTX): Overview and status
[DE90-010287] 08 p1226 N91-16758
Electrical power from inertial confinement fusion: Issues and prospects
[DE90-010332] 08 p1226 N91-16759
Characterization of disruptions in the Microwave Tokamak Experiment (MTX)
[DE90-010352] 08 p1227 N91-16761
Theoretical studies of tokamaks
[DE90-011332] 08 p1228 N91-16768
Scaling laws for femtosecond laser-plasma interactions
[DE90-011496] 08 p1228 N91-16769
Stark-effect measurement of high FEL electric fields in MTX by laser-aided particle-probe spectroscopy
[DE90-011911] 08 p1228 N91-16771
Motional Stark effect polarimetry for the current profile diagnostic in D3-D
[DE90-012071] 08 p1229 N91-16773
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
A model for the prediction of Nb3Sn critical current as a function of field, temperature, strain, and radiation damage
[DE91-000656] 08 p1229 N91-16775
Applications of strained layer superlattices
[DE90-011204] 08 p1232 N91-16793
New surface atomic structures for III-V(110)-p(1 x 1)-Sb(1ML): Chemical bonding and electronic structure
[DE90-011230] 08 p1232 N91-16794
Properties of superdeformed bands in the A = 194 region
[DE90-011482] 08 p1233 N91-16798
A new perturbation theory of solids and fluids and its applications to high-pressure melting problems
[DE90-011502] 08 p1239 N91-16829
Low-cost, high-resolution telescopes for imaging low-earth orbit satellites
[DE90-012081] 08 p1243 N91-16850
Resonant Compton scattering in models of gamma-ray burst sources. Part 2: Numerical modeling
[DE91-005268] 08 p1268 N91-16982
Energy and Technology Review, March 1990
[DE90-008230] 08 p1269 N91-16985
Shock tube ignition of isomers of octane
[DE90-005991] 09 p1305 N91-17161
Engine knock predictions using a fully-detailed and a reduced chemical kinetic mechanism
[DE90-005992] 09 p1305 N91-17162
Kinetic modeling of ethene oxidation at low and intermediate temperatures
[DE90-005998] 09 p1305 N91-17163
Computation of two-dimensional microwave-generated electron layer evolution in low pressure air
[DE90-011465] 09 p1321 N91-17254
Subnanosecond photoconductive switching in GaAs
[DE90-011481] 09 p1325 N91-17276
Time response of fast-gated microchannel plates used as x ray detectors
[DE91-006243] 09 p1330 N91-17308
Timing between streak cameras with a precision of 10 ps
[DE91-005266] 09 p1339 N91-17356
Wave optics modelling of amplified spontaneous emission
[DE91-006238] 09 p1343 N91-17375
Damage resistant optics for a mega-joule solid-state laser
[DE91-006246] 09 p1343 N91-17376
High power CW performance from a Ti:Sapphire laser and a single-pass amplifier
[DE91-005269] 09 p1343 N91-17378
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-006710] 09 p1343 N91-17380
Design and performance of a multiterawatt, subpicosecond neodymium glass laser
[DE91-006749] 09 p1344 N91-17381
Greenhouse gases: Changing the global climate
[DE90-011459] 09 p1357 N91-17455
The shape of the invisible halo: N-body simulations on parallel supercomputers
[DE91-004846] 09 p1388 N91-17636
The alias method: A fast, efficient Monte Carlo sampling technique
[DE91-006244] 09 p1393 N91-17666
Photoelectron spectroscopy of excited molecular states
[DE90-012088] 09 p1395 N91-17673
Response matrix Monte Carlo for electron transport
[DE91-006248] 09 p1397 N91-17686
Grazing incidence metal mirrors as the final elements in a laser driver for inertial confinement fusion
[DE91-005272] 09 p1406 N91-17736
The LLNL (Lawrence Livermore National Laboratory) ICF (Inertia Confinement Fusion) program: Progress toward ignition and gain in the laboratory
[DE91-006256] 09 p1407 N91-17744
Comprehensive numerical modelling of tokamaks
[DE91-006219] 09 p1408 N91-17746
Optical characterization of damage resistant kilolayer rugate filters
[DE91-006245] 09 p1408 N91-17747
Experimental study of filamentation in laser-plasma interactions
[DE91-006510] 09 p1408 N91-17748
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-006515] 09 p1408 N91-17749
Superconducting energy gap and normal state conductivity of a single domain Y1Ba2Cu3O7 crystal
[DE91-005199] 09 p1411 N91-17766
Laser conditioning and electronic defect measurements of HfO2 and SiO2 thin films
[DE91-006237] 09 p1415 N91-17788
The origin and development of instabilities in radiatively-driven stellar winds
[DE91-005430] 09 p1427 N91-17857
Resonant Compton scattering in models of gamma-ray burst sources. Part 1: Theory
[DE91-005267] 09 p1450 N91-18000
Multiaxial failure characterization of composites
[DE91-005397] 10 p1494 N91-18224
Ionic two photon states and optical nonlinearity in (pi)-conjugated polymers
[DE91-006709] 10 p1505 N91-18284
Understanding composite explosive energetics. Part 1: The role of metallic additives
[DE90-010692] 10 p1505 N91-18286
Electroplating, electroless plating and electroforming
[DE91-005399] 10 p1507 N91-18294
Numerical modeling of HF skywave radiation from antennas in irregular terrain
[DE91-007115] 10 p1515 N91-18343
Photoconductive switching for HPM (High Power Microwave) generation
[DE91-005398] 10 p1517 N91-18353
Insulator breakdown measurements in a poor vacuum and their interpretation
[DE91-005431] 10 p1517 N91-18354
Photoconductive switching for high power microwave generation
[DE91-005433] 10 p1518 N91-18355
Rayleigh-Taylor instability in compressible fluids
[DE91-005221] 10 p1523 N91-18387
An optical technique for the direct measurement of the 2-D spectral density of a passive scalar in a turbulent flow
[DE91-005423] 10 p1524 N91-18389
Examination of coherency criteria for high velocity jets
[DE91-006242] 10 p1525 N91-18394
SPH (Smoothed Particle Hydrodynamics) simulations of hypervelocity impacts
[DE91-007625] 10 p1526 N91-18403
Physics study of the application of an IFEL (Induction-Accelerator Free-Electron Laser) to CIT
[DE91-004993] 10 p1527 N91-18411
High threshold HR (Highly Reflective) coatings at 1064 nm
[DE91-006236] 10 p1528 N91-18415
Coherent x ray lasers for applications
[DE91-006257] 10 p1528 N91-18416
Nonlinear optics with focused x ray lasers
[DE91-006512] 10 p1529 N91-18417
Nickel-like soft x ray lasers at 44.8 angstrom and 43.1 angstrom
[DE91-006513] 10 p1529 N91-18418
Studies of degenerate and nearly degenerate four wave mixing of laser radiation in plasmas
[DE91-006682] 10 p1529 N91-18420
The mutual coherence of simultaneously injection-locked laser diode arrays
[DE91-007337] 10 p1530 N91-18425
Hydrogen-like recombination x ray laser experiments using a 20 picosecond laser pulse at the Nova facility
[DE91-007343] 10 p1530 N91-18426
Short wavelength nickel-like x ray laser development
[DE91-007344] 10 p1530 N91-18427
Ambient temperature fracture strength of pure alumina
[DE91-007628] 10 p1537 N91-18460
Thulium heat source IR/D project 91-031
[DE91-007117] 10 p1541 N91-18485
GCM (General Circulation Model)-data intercomparison: The good news and the bad
[DE91-005185] 10 p1543 N91-18493
Influence of present and possible future aircraft emissions on the global ozone distribution
[DE91-005422] 10 p1543 N91-18495
Uncertainties in forecasting future climate
[DE91-005225] 10 p1544 N91-18498
Sensitivity of stratospheric ozone to present and possible future aircraft emissions
[DE91-007140] 10 p1545 N91-18503
Solar variations and their influence on trends in upper stratospheric ozone and temperature
[NASA-CR-187999] 10 p1555 N91-18552
Analysis of meteorological data from three sites in the Northeastern United States for application of EPA AIRDOS code
[DE91-004982] 10 p1556 N91-18556
Interseasonal air-sea interactions in the OSU (Oregon State University) coupled upper ocean-atmosphere GCM (General Circulation Model)
[DE91-005261] 10 p1556 N91-18557
New biomedical applications of radiocarbon
[DE91-006249] 10 p1563 N91-18597
Human engineering design considerations for the use of signal color enhancement in ASW displays
[DE91-004949] 10 p1564 N91-18604
Arrays in Sisal
[DE91-005400] 10 p1569 N91-18626

Deconvolution/identification techniques for 1-D transient signals
[DE91-004930] 10 p1569 N91-18629
Linearization algorithms for line transfer
[DE91-005262] 10 p1569 N91-18630
Understanding large software systems with the utility XREG
[DE91-007630] 10 p1575 N91-18670
Towards a testbed for malicious code detection
[DE91-007632] 10 p1575 N91-18671
Gauss elimination: A case study on parallel machines
[DE91-006259] 10 p1576 N91-18674
Extending the alias Monte Carlo sampling method to general distributions
[DE91-007619] 10 p1587 N91-18752
Localized wave transport of pulsed beam energy
[DE91-005066] 10 p1590 N91-18769
Laser ultrasonics: Current research needs
[DE91-005421] 10 p1591 N91-18770
Objectives and configuration of the Multiple Pulse Propagation Experiment
[DE91-005241] 10 p1594 N91-18797
Layer formation in CuNi/C x ray optics
[DE91-005229] 10 p1596 N91-18805
The 3 Dimensional radiation transport in dispersive media
[DE91-005239] 10 p1602 N91-18833
A comparative study of short range order in Fe-Cr and Fe-V alloys around equiatomic composition
[DE91-005230] 10 p1604 N91-18848
Time-dependent liquid metal flows with free convection and free surfaces
[DE91-004882] 10 p1605 N91-18855
Defect dependence of positron lifetimes in oxide superconductors
[DE91-006714] 10 p1608 N91-18876
Graded Al(x)Ga(1-x)As photoconductive devices for high efficiency picosecond optoelectronic switching
[DE91-007143] 10 p1609 N91-18879
Development of scaling rules for Rutherford type superconducting cables
[DE91-007644] 10 p1610 N91-18886
Editing graphs for maximum effect
[DE91-006239] 10 p1614 N91-18904
Technical publication transfer test with Vitro Corporation: MIL-M-28001 (SGML) and MIL-D-28000 Class 1 (IGES)
[DE91-007609] 10 p1614 N91-18907
Technical publication transfer test with McDonnell Aircraft Company: MIL-M-28001 (SGML) and MIL-D-28000 Class 1 (IGES)
[DE91-007610] 10 p1614 N91-18908
A search for massive compact halo objects in our galaxy
[DE91-007624] 10 p1615 N91-18912
The 2-D axisymmetric line transport
[DE91-005226] 10 p1617 N91-18915
Chaotic inflation and the omega problem
[DE91-006253] 10 p1617 N91-18917
Analysis of gamma-ray burst energy spectra
[DE91-006686] 10 p1625 N91-18965
Finnigan ion trap mass spectrometer detection limits and thermal energy analyzer interface status report and present capabilities
[DE91-006220] 11 p1679 N91-19254
Theoretical investigation of phase stability in non-magnetic Fe-V substitutional alloys
[DE91-006711] 11 p1682 N91-19268
Electromagnetic penetration through narrow slots in conducting surfaces and coupling to structures on the shadow side
[DE91-007155] 11 p1694 N91-19331
Conservation of energy, momentum, and angular momentum in Lagrangian staggered-grid hydrodynamics
[DE91-008059] 11 p1703 N91-19381
Measurements with a 35 psec gate time microchannelplate camera
[DE91-006701] 11 p1707 N91-19400
Soft x-ray laser gain prediction at high density for the nitrogen isoelectronic sequence
[DE91-007616] 11 p1710 N91-19416
Intense microwave generation using free-electron lasers
[DE91-007262] 11 p1710 N91-19417
Simulation of a standing-wave free-electron laser
[DE91-007330] 11 p1710 N91-19418
Phase stability of a standing-wave free-electron laser
[DE91-008068] 11 p1712 N91-19427
Recombination x ray laser experiments using exploding ribbon Al targets
[DE91-007146] 11 p1712 N91-19429
Upgrade of the LLNL Nova laser for inertial confinement fusion
[DE91-008060] 11 p1712 N91-19430
Nickel-like x ray lasers
[DE91-008502] 11 p1712 N91-19433
Nuclear-spectroscopy computerized tomography scanners
[DE91-008447] 11 p1719 N91-19466
Zonal statistics in (General Circulation Model) GCM/GCM/data intercomparisons
[DE91-006706] 11 p1733 N91-19530
Cloud forcing: A modeling perspective
[DE91-007215] 11 p1737 N91-19551
The relationship between aerosol and drop size distributions in the marine atmosphere
[DE91-006514] 11 p1737 N91-19553
Lecture notes on nonlinear inversion and tomography
[DE91-008238] 11 p1738 N91-19558
An introduction to biological dosimetry
[DE91-007125] 11 p1762 N91-19698
Development of a numerical computer code and circuit element models for simulation of firing systems
[DE91-007162] 11 p1776 N91-19739
Energy sciences supercomputing 1990
[DE91-007188] 11 p1776 N91-19740
Techniques for interactive 3-D scientific visualization
[DE91-007122] 11 p1777 N91-19745
PHIGS PLUS for scientific graphics
[DE91-007615] 11 p1777 N91-19747
Large-scale computing in the energy research programs
[DE91-007907] 11 p1777 N91-19748
Convergence of linear programming using a Hopfield net
[DE91-007870] 11 p1779 N91-19758
The cost-constrained traveling salesman problem
[DE91-004943] 11 p1782 N91-19775
Analysis of spherical geometry finite element transport solutions in the thick diffusion limit
[DE91-007598] 11 p1783 N91-19780
Even- and odd-parity finite-element transport solutions in the thick diffusion limit
[DE91-007618] 11 p1783 N91-19781
Discontinuous finite-element transport solutions in the thick diffusion limit in Cartesian geometry
[DE91-007620] 11 p1783 N91-19782
Anastasia: A solid model based 3D finite difference mesh generator
[DE91-007621] 11 p1783 N91-19783
Response matrix Monte Carlo based on a general geometry local calculation for electron transport
[DE91-007638] 11 p1785 N91-19794
Potential health risks from postulated accidents involving the Pu-238 RTG (Radioisotope Thermoelectric Generator) on the Ulysses solar exploration mission
[DE91-007142] 11 p1796 N91-19857
Relativistic klystron research for future linear colliders
[DE91-008063] 11 p1797 N91-19862
UV Thomson scattering from x ray laser plasmas
[DE91-007347] 11 p1802 N91-19895
Optically-ionized plasma recombination x ray lasers
[DE91-007261] 11 p1802 N91-19898
Calculation of emission and absorption spectra of LTE plasma by the STA (Super Transition Array) method
[DE91-007617] 11 p1803 N91-19900
Measurements of stark-broadening in hot dense plasma
[DE91-008504] 11 p1805 N91-19910
Positron lifetime studies of defect structures in Ba(1-x)K(x)BiO3
[DE91-007341] 11 p1806 N91-19919
A photoemission investigation of compound semiconductor monodisperse clusters
[DE91-006707] 11 p1806 N91-19921
Photoelectron diffraction of magnetic ultrathin films: Fe/Cu(001)
[DE91-007254] 11 p1807 N91-19924
Application of MeV ions to the analysis and modification of high temperature superconducting materials
[DE91-007317] 11 p1808 N91-19927
Some limitations of detailed balance for inverse reaction calculations in the astrophysical P-process
[DE91-007258] 11 p1818 N91-19983
Primordial nucleosynthesis: Beyond the standard model
[DE91-007264] 11 p1818 N91-19984
Two possible problems for standard big bang nucleosynthesis
[DE91-007342] 11 p1818 N91-19985
Aerodynamics modeling of towed-cable dynamics
[DE91-008426] 12 p1831 N91-20060
First principles calculation of phase stability of high temperature intermetallic alloys
[DE91-008570] 12 p1871 N91-20282
Evaluation of modified log-periodic antennas for transmission of wide-band pulses
[DE91-008455] 12 p1889 N91-20387
A new weighted residual finite element method for computational electromagnetics in the time domain
[DE91-008741] 12 p1889 N91-20388
Progress toward steady-state, high-efficiency vircators
[DE91-008064] 12 p1894 N91-20415
Plane Stokes flow driven by capillarity on the free surfaces of a doubly-connected region
[DE91-008627] 12 p1899 N91-20444
Survey of alternative laser sources for Backscatter Absorption Gas Imaging (BAGI)
[DE91-008444] 12 p1906 N91-20485
Weldability of AerMet 100
[DE91-008626] 12 p1908 N91-20499
A new elastoplastic shell element formulation for DYNA3D
[DE91-008456] 12 p1915 N91-20535
Tensile testing at high temperatures in a glovebox
[DE91-008994] 12 p1915 N91-20537
Modeling of weakly nonlinear hydrodynamic instabilities in inertial fusion
[DE91-008729] 12 p1984 N91-20914
Theory and simulation of Raman scattering in intense, short pulse laser plasma interactions
[DE91-008734] 12 p1984 N91-20915
HYLIFE-II inertial confinement fusion reactor design
[DE91-008736] 12 p1984 N91-20916
Suprathermal particle generation and other plasma effects in laser fusion
[DE91-008742] 12 p1984 N91-20917
HRM investigation of the structure of the sigma 5(310)/zone axes (001) symmetric tilt grain boundary in Nb
[DE91-008571] 12 p1992 N91-20964
The electronic structure of grain boundaries in Nb
[DE91-008572] 12 p1992 N91-20965
Line and continuum spectroscopy as diagnostic tools for gamma ray bursts
[DE91-008062] 12 p2008 N91-21053
Simulation of chemical kinetics in combustion
[DE91-008446] 13 p2049 N91-21273
Scanning tunneling microscopy of reactive sites: Gasification of graphite by oxygen and hydrogen
[DE91-008569] 13 p2049 N91-21274
Potentiometric titration of gold, platinum, and some other precious metals
[DE91-008989] 13 p2049 N91-21276
Organic aerogels: A new type of ultrastructured polymer
[DE91-008500] 13 p2056 N91-21312
The single antenna interferometer
[DE91-007128] 13 p2071 N91-21407
X ray laser holography of biological microstructures
[DE91-008732] 13 p2088 N91-21488
Stress-strain gage measurements on a Nevada Test Site (NTS) event using pairs of triple foil gages
[DE91-005061] 13 p2089 N91-21497
Preliminary field demonstration of a fiber-optic TCE sensor
[DE91-008453] 13 p2089 N91-21498
Modeling the absorption of intense, short laser pulses in steep density gradients
[DE91-008735] 13 p2090 N91-21503
Toward high brightness, multi-kilowatt solid state lasers
[DE91-008990] 13 p2090 N91-21504
The theory of temporal compression of intense pulses in a metal vapor
[DE91-005059] 13 p2091 N91-21509
Laser pulse compression in strontium and calcium vapor
[DE91-007346] 13 p2091 N91-21511
The Basis version of LASNEX
[DE91-009483] 13 p2092 N91-21516
Laser test for spindle parallelism
[DE91-009716] 13 p2092 N91-21518
Nondestructive imaging of materials microstructure using x ray tomographic microscopy
[DE91-008505] 13 p2099 N91-21554
PALM2D: A nonlinear finite element program for the coupled thermomechanical response of solids in two dimensions
[DE91-008423] 13 p2105 N91-21584
User's manual for SLAB: An atmospheric dispersion model for denser-than-air-releases
[DE91-008443] 13 p2114 N91-21638
Quasilinear simulation of auroral kilometric radiation by a relativistic Fokker-Planck code
[DE91-009736] 13 p2117 N91-21656
Recent developments in Monte Carlo techniques
[DE91-009750] 13 p2144 N91-21808
Effectiveness of bomber deployed autonomous airborne vehicles in finding rail mobile SS-24s
[DE91-009008] 13 p2145 N91-21815
Some observations concerning alpha instabilities and driven tokamak reactors
[DE91-008628] 13 p2158 N91-21898
Characterization of the plasma-switch interaction in the LBL HIF ion source
[DE91-009479] 13 p2159 N91-21902

The streamlined Darwin field method (and a solution technique that makes it practical)
[DE91-009482] 13 p2159 N91-21903
Interplay between local environment effect and electronic structure properties in close packed structures
[DE91-008506] 13 p2161 N91-21915
Ground-to-orbit laser propulsion: Advanced applications 14 p2201 N91-22157
Fracture behavior of warm forged and CVD tungsten
[DE91-009756] 14 p2247 N91-22433
Development of low density silica aerogel as a capture medium for hyper-velocity particles
[DE91-008563] 14 p2251 N91-22455
Design calculations for the microchannel heatsink
[DE91-008730] 14 p2265 N91-22534
In-situ scanned probe studies on site specificity of laser surface damage of graphite, sapphire, and multilayer coatings
[DE91-008568] 14 p2269 N91-22555
Collisional excitation x ray lasers
[DE91-010467] 14 p2269 N91-22557
A calculation of gain in Ne-like Ag soft x ray lasers
[DE91-009758] 14 p2270 N91-22559
NIKE3D: A nonlinear, implicit, three-dimensional finite element code for solid and structural mechanics
[DE91-009759] 14 p2279 N91-22602
Using the graphical kernel system in scientific computing
[DE91-010462] 14 p2310 N91-22763
Tensor transformations and failure criteria for the analysis of fiber composite materials
[AD-A232238] 15 p2396 N91-23265
Modeling second-phase formation during rapid resolidification of stainless steel alloys
[DE91-008567] 15 p2400 N91-23291
Response of simulated propellants and explosives to projectile impact
[DE91-009777] 15 p2408 N91-23333
Numerical modeling of turbulent dispersion around structures using a particle-in-cell method
[DE91-009757] 15 p2424 N91-23426
Numerical simulation of a viscous vortex ring interaction with a density interface
[DE91-002790] 15 p2424 N91-23429
Hairpin vortices, singularities, and transition to turbulence in three-dimensional shear flows
[DE91-002792] 15 p2425 N91-23430
Quantitative film radiography
[DE91-009718] 15 p2430 N91-23463
A submicron resolution monolithic capacitive displacement sensor with digital output
[DE91-009765] 15 p2431 N91-23465
High-power performance of a copper laser pumped dye master-oscillator-power-amplifier chain
[DE91-010460] 15 p2433 N91-23478
A 43 watt CW Ti:Sapphire laser
[DE91-010468] 15 p2433 N91-23479
Finite element analysis of the lateral buckling of a cantilevered I Beam
[DE91-010123] 15 p2442 N91-23527
Gravity spreading in the dispersion of dense gas plumes
[DE91-010155] 15 p2459 N91-23628
Sensitivity of numerical dispersion modeling to explosive source parameters
[DE91-009476] 15 p2460 N91-23631
Treatment of denser-than-air releases in an advection-diffusion model: Thermodynamic effects
[DE91-010152] 15 p2460 N91-23632
Absolute calibration in vivo measurement systems
[DE91-009719] 15 p2472 N91-23692
Problems in understanding the organization, structure and function of chromosomes
[DE91-009939] 15 p2472 N91-23695
Scientific visualization software for your PC: Free and available now
[DE91-010156] 15 p2483 N91-23744
Magnetic substates populated by double electron capture in slow ion atom collisions
[DE91-010122] 15 p2502 N91-23858
Surface electron emission induced by slow multicharged ions
[DE91-010469] 15 p2503 N91-23865
The intelligent database: Using INGRES to manage the external analysis of your data
[DE91-010465] 15 p2524 N91-23986
Hard x ray imaging telescope
[DE90-015815] 15 p2529 N91-24013
Relativistic shock waves and the excitation of plerions
[DE91-007623] 15 p2532 N91-24027
Magnetospheric structure of rotation powered pulsars
[DE91-007622] 15 p2532 N91-24028
California energy flow in 1989
[DE91-010012] 16 p2652 N91-24678
NO(x) pollution from biomass burning: A global study
[DE91-010154] 16 p2655 N91-24691
Ten key questions indicating the level of current uncertainty in forecasting climatic change
[DE91-010124] 16 p2660 N91-24717
Optical and thermal energy discharge from tritiated solid hydrogen
[DE91-011188] 17 p2757 N91-25263
From electronic structure to alloy phase stability
[DE91-011187] 17 p2760 N91-25281
Evaluation of modified log-periodic antennas for pulse transmission
[DE91-011775] 17 p2767 N91-25314
TOPAZ2D planetary boundary condition
[DE91-011513] 17 p2777 N91-25371
An efficient second-order projection method for viscous incompressible flow
[DE91-011533] 17 p2777 N91-25372
Vorticity intensification and transition to turbulence in a three-dimensional shear flow
[DE91-011538] 17 p2778 N91-25373
TOPAZ2D validation status report for December 1990
[DE91-011776] 17 p2778 N91-25374
Conservative front-tracking for inviscid compressible flow
[DE91-011534] 17 p2778 N91-25377
Sub 100-psec x ray gating cameras for ICF imaging applications
[DE91-011202] 17 p2780 N91-25385
Ion yields from strong optical field ionization experiments using 100 femtosecond laser pulses
[DE91-011200] 17 p2781 N91-25389
Modeling of large aperture third harmonic frequency conversion of high power Nd:glass laser systems
[DE91-011524] 17 p2781 N91-25390
Health risks from exposure to tritium
[DE91-011008] 17 p2822 N91-25595
Analysis of multi-wavelength pyrometry using non-linear chi-square fits and Monte Carlo methods
[DE91-011185] 17 p2847 N91-25734
Emittance measurement in a magnetic field
[DE91-011540] 17 p2860 N91-25813
A differential equation approach to minor loops in the Jiles-Atherton hysteresis model
[DE91-011448] 17 p2860 N91-25814
High average power switching for linear accelerators
[DE91-011525] 17 p2862 N91-25830
The POWER codes for estimating reflected light into an off-axis optical fiber
[DE91-011764] 17 p2864 N91-25837
Characterization of Mo/B4C multilayers
[DE91-011192] 17 p2864 N91-25839
Absorption measurements of radiatively heated low-Z materials
[DE91-011182] 17 p2867 N91-25861
Plasma spectroscopy simulations with the ALTAIR code
[DE91-011201] 17 p2867 N91-25862
Effects of electric microfields on argon dielectronic satellite spectra in laser-produced plasmas
[DE91-011445] 17 p2869 N91-25868
Analysis of time- and space-resolved Na-, Ne-, and F-like emission from a laser-produced bromine plasma
[DE91-011523] 17 p2869 N91-25871
Properties of planetary fluids at high shock pressures and temperatures
[DE91-011195] 17 p2916 N91-26102
Plasma plumes for tapping the electromotive force of the solar wind
[DE91-011253] 17 p2918 N91-26106
Performance of hypervelocity armatures with replenished metal vapor plasmas
[DE91-011931] 18 p2934 N91-26187
On the finite-strain-invariant failure criterion for composites
[AD-A234493] 18 p2941 N91-26223
Magnetron sputter deposition of boron and boron carbide
[DE91-011194] 18 p2944 N91-26241
Strain enhanced microstructural evolution
[DE91-011921] 18 p2957 N91-26318
Numerical simulations of the indentation of glass with implications to ductile grinding
[DE91-011512] 18 p2967 N91-26381
Shock response of Detasheet
[DE91-010923] 18 p2970 N91-26399
Computational model for optimizing longitudinal fin heat transfer in laminar internal flows
[DE91-005070] 18 p2986 N91-26485
Saturation and kinetic issues for optical-field-ionized plasma x ray lasers
[DE91-012079] 18 p2991 N91-26517
Determination of SBS induced damage limits in large fused silica optics for intense, time varying laser pulses
[DE91-012080] 18 p2991 N91-26518
X ray spot motion during 220 ps laser pulses
[DE91-012111] 18 p2991 N91-26519
Precision high-power solid-state laser diagnostics for target-irradiation studies and target-plane irradiation modeling
[DE91-012036] 18 p2992 N91-26523
Radio frequency and microwave plasma for optical thin film deposition
[DE91-012081] 18 p2992 N91-26525
Development of a subpicosecond, tunable LiCAF (Cr:LiCaAlF6) laser
[DE91-012082] 18 p2993 N91-26526
Viscoelastic behavior of elastomeric membranes
[AD-A234496] 18 p2999 N91-26560
Simulation of precipitation scavenging in a three-dimensional global model
[DE91-011531] 18 p3007 N91-26606
Plate motion and deformation
[DE91-010466] 18 p3009 N91-26612
Gabor transforms and neural networks for automatic target recognition
[DE91-011919] 18 p3049 N91-26834
Planar indirect-drive Rayleigh-Taylor experiments on Nova
[DE91-011967] 18 p3067 N91-26943
HYLIFE-2 inertial confinement: Fusion power plant design
[DE91-012089] 18 p3067 N91-26947
Vacuum design for a superconducting mini-collider
[DE91-011964] 18 p3072 N91-26975
The electronic structure of the ionic insulator sodium nitrite
[DE91-009766] 18 p3072 N91-26977
A system for UNIX command retrieval using a multilayered neural network
[DE91-012105] 18 p3082 N91-27045
Weak interactions and presupernova evolution
[DE91-011543] 18 p3084 N91-27052
A three-dimensional constitutive theory for fiber composite laminated media
[AD-A235541] 19 p3118 N91-27225
Interaction of slow highly-charged ions with a metal surface
[DE91-010470] 19 p3128 N91-27284
Nonequilibrium simulation of the commutation phase in a back-lit thyratron
[DE91-010471] 19 p3155 N91-27443
Ionization induced frequency shifts in subpicosecond laser pulses
[DE91-010472] 19 p3171 N91-27529
Linear radiosity approximation using vertex radiosities
[DE91-009754] 19 p3218 N91-27784
Texture segmentation by clustering of Gabor feature vectors
[DE91-008061] 19 p3235 N91-27885
Production of cold highly-ionized plasmas by intense subpicosecond lasers
[DE91-010461] 19 p3247 N91-27960
WFOV star tracker camera
[DE91-012776] 20 p3282 N91-28148
Effectiveness of tiltrotor support to ground combat
[DE91-013603] 20 p3285 N91-28167
Space propulsion by fusion in a magnetic dipole
[DE91-012033] 20 p3302 N91-28275
The application of x ray tomographic microscopy to chemical vapor infiltration processing of ceramic matrix composites
[DE91-011871] 20 p3304 N91-28284
Multiaxial failure characterization of composites
[DE91-011925] 20 p3304 N91-28285
On the finite-strain-invariant failure criterion for composites
[DE91-011924] 20 p3304 N91-28286
Chemistry and materials science research report
[DE91-011507] 20 p3307 N91-28305
Proton Energy Loss (PEL) material characterization
[DE91-011545] 20 p3307 N91-28306
Continuum x ray gauging of multiple-element materials
[DE91-011923] 20 p3307 N91-28307
Equation-of-state from SiO2 aerogel Hugoniot data
[DE91-011480] 20 p3308 N91-28313
Linked gas chromatograph-thermal energy analyzer/ion trap mass spectrometer
[DE91-013585] 20 p3311 N91-28326
Cross-sectional TEM specimen preparation of free-standing metal multi-layered films
[DE91-011117] 20 p3315 N91-28351
Shock-induced optical emission in Al2O3 at 200 GPa: Implications for shock temperature measurements in metals
[DE91-013584] 20 p3318 N91-28365
Perspective on plating for precision finishing
[DE91-011927] 20 p3322 N91-28394
Melamine-formaldehyde aerogels
[DE91-012084] 20 p3325 N91-28408
Experiments and calculations of jet penetration in glass
[DE91-013567] 20 p3327 N91-28422

Mechanisms of EBW HE initiation
[DE91-013565] 20 p3331 N91-28447
Localized waves in complex environments
[DE91-011934] 20 p3334 N91-28462
Electrostatic discharge effects on EBW detonators
[DE91-013250] 20 p3334 N91-28467
A chopper driven 11.4-GHz traveling-wave RF generator
[DE91-013568] 20 p3339 N91-28489
Atmospheric propagation of high-explosive blast waves
[DE91-012550] 20 p3342 N91-28506
X ray fiducial foils
[DE91-011193] 20 p3348 N91-28542
Modal study of refractive effects on x ray laser coherence
[DE91-012083] 20 p3350 N91-28551
Irradiance compensation control for high-energy laser propagation. Part 1: Theory and Fourier control model propagation results
[DE91-013130] 20 p3351 N91-28559
Ring-laser solitons: A multipass approach
[DE91-013242] 20 p3351 N91-28560
High-peak power-Nd:Glass laser facilities for end users
[DE91-013246] 20 p3351 N91-28561
Reduction of energy sweep of the ETA-2 beam
[DE91-013824] 20 p3352 N91-28568
Platinum solubility in phosphate laser glass
[DE91-015123] 20 p3353 N91-28571
X ray Tomographic Microscopy (XTM)
[DE91-011930] 20 p3357 N91-28599
Model-based computed tomography for nondestructive evaluation
[DE91-013462] 20 p3358 N91-28602
Shock compression of low-density microcellular materials
[DE91-013586] 20 p3363 N91-28628
TREE: A model of the effects of acid precipitation and air pollutants on the growth of trees
[DE91-014131] 20 p3371 N91-28672
ARAC: A computer-based emergency-response dose-assessment service with global application potential
[DE91-013248] 20 p3375 N91-28700
The use of AMS to the biomedical sciences
[DE91-012037] 20 p3378 N91-28712
The cache group scheme for hardware-controlled cache coherence and the general need for hardware coherence control in large-scale multiprocessors
[DE91-012106] 20 p3388 N91-28772
Split-join and message passing programming models on the BBN TC2000
[DE91-008067] 20 p3388 N91-28774
The PCP/PFP programming models on the BBN TC2000
[DE91-011537] 20 p3390 N91-28781
Enhancing atom densities in solid hydrogen by isotopic substitution
[DE91-011189] 20 p3396 N91-28824
Scanning Transmission Ion Microscopy (STIM): A new technique for density mapping of microstructures
[DE91-011917] 20 p3396 N91-28825
SDI: Statistical Dynamic Interactions
[DE91-012034] 20 p3397 N91-28827
Simulation of planar integrated photonics devices with the LLNL time-domain finite-difference code suite
[DE91-011929] 20 p3405 N91-28876
Reflection mask technology for soft x ray projection lithography
[DE91-012561] 20 p3405 N91-28877
Plasma transport in a new cathodic arc ion source, theory and experiment
[DE91-011511] 20 p3416 N91-28944
Microwave-generated plasma thruster
[DE91-013131] 20 p3417 N91-28948
Implications of TAE modes for the design of ITER
[DE91-013128] 20 p3418 N91-28952
Chamber propagation
[DE91-012797] 20 p3418 N91-28954
Large growth Rayleigh-Taylor experiments on Nova
[DE91-012885] 20 p3418 N91-28955
Hydrodynamic evolution of picosecond laser-plasmas
[DE91-013245] 20 p3419 N91-28958
Inertial confinement fusion
[DE91-013479] 20 p3419 N91-28960
Evaluation of charged-particle reactions for fusion applications
[DE91-014135] 20 p3419 N91-28962
The Cascade inertial confinement fusion reactor concept
[DE91-013852] 20 p3420 N91-28966
On the use of particle-in-cell methods for the study of magnetically-confined fusion plasmas
[DE91-015093] 20 p3423 N91-28984
TOPAZ2D benchmark problems nonlinear materials
[DE91-009753] 20 p3434 N91-29053
Transport with Feynman propagators
[DE91-013566] 20 p3436 N91-29063
Flutter consideration of a crash-test aircraft
[DE91-015094] 21 p3460 N91-29192
The magnetron-enhanced etching of double-level tungsten interconnect
[DE91-014984] 21 p3481 N91-29306
Laser surface modification for selective electroplating of metal: A 2.5 m/s laser direct-write process
[DE91-014988] 21 p3483 N91-29322
The effects of HMX particle size and binder stiffness on the burning mechanism and regression rate of a series of fast burning propellants
[DE91-015785] 21 p3494 N91-29387
Computation of broadband, high-power electromagnetic pulse generation from an air gas avalanche switch
[DE91-015793] 21 p3502 N91-29435
Simulation of the growth of Mo/Si multilayers
[DE91-015679] 21 p3510 N91-29486
Numerical simulation of a viscous vortex ring interaction with a density interface
[DE91-011532] 21 p3510 N91-29489
Shockwave considerations for sub-grid closure modeling in turbulent large eddy simulations
[DE91-015142] 21 p3513 N91-29506
Electroforming thin channel heat exchangers
[DE91-015114] 21 p3517 N91-29528
Energy generation by a shock crossing a perturbed interface
[DE91-015678] 21 p3517 N91-29530
An elevated temperature titration calorimeter
[DE91-015765] 21 p3520 N91-29548
SDIO Laser Propulsion Workshop
[DE90-011758] 21 p3520 N91-29550
Program and applications for a near-term laser launch system
[DE90-011760] 21 p3520 N91-29551
Blackbody pumped CO2 lasers using Gaussian and waveguide cavities
[DE91-012494] 21 p3522 N91-29559
Adjustable magnification anamorphic beam expander
[DE91-014110] 21 p3522 N91-29561
Degradation of brightness by resonant particle effects
[DE91-015181] 21 p3525 N91-29578
RF transfer in the coupled-cavity free-electron laser two-beam accelerator
[DE91-015676] 21 p3525 N91-29583
Deformation behavior of pre-shocked copper as a function of strain rate and temperature
[DE91-015180] 21 p3531 N91-29620
A simple model for low L/D penetration physics
[DE91-015747] 21 p3534 N91-29633
NIKE2D: A nonlinear, implicit, two-dimensional finite element code for solid mechanics
[DE91-015734] 21 p3534 N91-29634
Numerical modeling of turbulent dispersion around structures using a particle-in-cell method
[DE91-012035] 21 p3537 N91-29652
Atmospheric dispersion models for dense gas releases
[DE91-015144] 21 p3537 N91-29654
The parallel BFGS method for unconstrained minimization
[DE91-015784] 21 p3562 N91-29798
Workshop on Automation and Robotics: Proceedings
[DE91-015175] 21 p3562 N91-29801
Plan for a laser weapon verification research program
[DE90-012123] 21 p3570 N91-29848
SDI performance and START constraints: Modeling phase-1 defense engagements
[DE91-013305] 21 p3570 N91-29849
ASAT monitoring project at LLNL
[DE91-013247] 21 p3570 N91-29850
Single-scatter Monte Carlo compared to condensed history results for low energy electrons
[DE91-015176] 21 p3573 N91-29869
Chasing the x(sub f) dependence of J/psi production
[DE91-015136] 21 p3578 N91-29899
Electron-ion interaction cross sections determined by x ray spectroscopy on EBIT
[DE91-015786] 21 p3578 N91-29903
Control of energy sweep and transverse beam motion in induction linacs
[DE91-015177] 21 p3580 N91-29911
A real time collimation sensor using a shear plate and a spatial light modulator
[DE90-011362] 21 p3580 N91-29914
Preparation of damage resistant optical coatings on flat substrates
[DE91-013588] 21 p3580 N91-29916
Stagnation and interpenetration of laser-created colliding plasmas
[DE91-013244] 21 p3586 N91-29946
Detection of coherent structures in the edge of the TEXT tokamak plasma
[DE91-015183] 21 p3588 N91-29958
Electromagnetic PIC simulations using finite elements on unstructured grids
[DE91-015141] 21 p3589 N91-29962
Towards a realistic plasma simulation code
[DE91-015698] 21 p3589 N91-29967
InGaAs/GaAs graded superlattices in photodetectors for wavelengths beyond 1 micron
[DE90-012073] 21 p3590 N91-29969
Electron microscopy of thick 304 SS-copper multilayers
[DE91-011116] 21 p3590 N91-29972
Uniaxial stress study of the quantum transitions in a strained layer (001) In0.2Ga0.8As/GaAs single quantum well
[DE91-014990] 21 p3600 N91-30033
Optical and environmentally protective coatings for Potassium Dihydrogen Phosphate (KDP) harmonic converter crystals
[DE91-015296] 21 p3600 N91-30034
Influence of diamond turning and surface cleaning processes on the degradation of KDP crystal surfaces
[DE91-015300] 21 p3601 N91-30035
Spatial propagation of squeezed light in a degenerate parametric amplifier
[DE91-014989] 21 p3601 N91-30039
Diffraction-limited imaging of satellites using bispectral speckle interferometry
[DE91-015745] 21 p3605 N91-30062
A normal incidence x ray mirror for 70 angstrom
[DE91-012109] 22 p3752 N91-30915
Experimental determination of the temperature and density of opacity samples
[DE91-015686] 23 p3810 N91-31252
Creep deformation and fracture of a two-phase TiAl intermetallics
[DE91-011963] 23 p3814 N91-31274
Dynamic yield strength of a palladium alloy metallic glass
[DE91-015111] 23 p3818 N91-31298
The autoignition chemistry of paraffinic fuels and pro-knock and anti-knock additives: A detailed chemical kinetic study
[DE91-014992] 23 p3821 N91-31314
Performance evaluation of insensitive explosives
[DE91-015767] 23 p3821 N91-31315
Understanding composite explosive energetics
[DE91-015770] 23 p3821 N91-31316
International magnetic pulse compression
[DE91-015774] 23 p3859 N91-31520
Proceedings of the International Magnetic Pulse Compression Workshop. Volume 2: Technical summary
[DE91-015775] 23 p3860 N91-31521
Photography of shock waves in explosive crystals
[DE91-015772] 23 p3867 N91-31572
Laser ablation mechanisms and optical surface damage
[DE91-016928] 23 p3879 N91-31642
Technical abstracts: Mechanical engineering, 1990
[DE91-016502] 23 p3881 N91-31658
DYNA3D: A nonlinear, explicit, three-dimensional finite element code for solid and structural mechanics
[DE91-015735] 23 p3884 N91-31675
The status of lightweight photovoltaic space array technology based on amorphous silicon solar cells
[DE91-014985] 23 p3888 N91-31698
Temporal sampling considerations in global climate modeling
[DE91-015695] 23 p3891 N91-31717
Time scales of variability associated with Nordeste precipitation
[DE91-015696] 23 p3892 N91-31718
Global model simulations of the long range transport of soot and sulfur from the Kuwait oil fires
[DE91-015771] 23 p3892 N91-31719
The use of distributional and pointwise statistical measures in GCM intercomparisons
[DE91-015697] 23 p3896 N91-31748
Impact of the ice phase on a mesoscale convective system: Cloud ensemble features and cloud radiative properties
[DE91-015769] 23 p3896 N91-31749
Biological dosimetry and mechanisms of carcinogenesis
[DE91-015689] 23 p3899 N91-31763
A scientific visualization synthesizer
[DE91-012877] 23 p3908 N91-31815
Energy and Technology Review, February-March 1991
[DE91-015487] 23 p3942 N91-32031
Scouting the neighborhood: In our lifetime
[DE91-017083] 24 p3964 N91-32151

Autoignition chemistry of C4 olefins under motored engine conditions: A comparison of experimental and modeling results
[DE91-016511] 24 p3974 N91-32197
Thermal-mechanical and physical-chemical properties of phosphate laser glasses
[DE91-016604] 24 p3979 N91-32227
Pressure safety training
[DE91-015717] 24 p3981 N91-32238
Initial testing of a two-dimensional computer code for microwave-induced surface breakdown in air
[DE91-015763] 24 p3989 N91-32286
Development and operation of a solid-state switch for thyratron replacement
[DE91-016553] 24 p4006 N91-32401
Design criteria for a magnetic switch when used to discharge a pulse forming line
[DE91-016559] 24 p4006 N91-32402
Performance of a 10 kV, 625 kA, 85 kJ energy discharge module utilizing a solid dielectric switch
[DE91-017432] 24 p4008 N91-32409
Reliable, high repetition rate thyratron grid driver used with a magnetic modulator
[DE91-016558] 24 p4008 N91-32413
Wideband microwave generation with GaAs photoconductive switches
[DE91-017544] 24 p4009 N91-32415
High temperature superconductivity: The early 1991 edition
[DE91-017655] 24 p4009 N91-32417
Simulation of single mode Richtmyer-Meshkov instability using the adaptive free Lagrange method
[DE91-017657] 24 p4017 N91-32457
A two-dimensional dynamic mix model in free Lagrange hydrodynamics
[DE91-017661] 24 p4019 N91-32467
Some stable reconstruction algorithms for electrical impedance tomography
[DE91-016569] 24 p4021 N91-32473
Laser performance and optical properties of LiSrGaF6:Cr(3+)
[DE91-016555] 24 p4023 N91-32481
High average power magnetic modulator for copper lasers
[DE91-016560] 24 p4023 N91-32482
Zonal deformable mirror for laser wavefront control
[DE91-017085] 24 p4023 N91-32483
Coherent-state description of free-electron lasers
[DE91-017077] 24 p4023 N91-32486
Future directions of laboratory x ray laser research
[DE91-017088] 24 p4024 N91-32487
Application of telerobotic control to remote processing of nuclear material
[DE91-016562] 24 p4026 N91-32501
Robot development for nuclear material processing
[DE91-016567] 24 p4027 N91-32502
Inherently safe nuclear-driven internal combustion engines
[DE91-016568] 24 p4027 N91-32503
Hot gas test results of a miniature free-piston pressurization pump driven by hydrazine decomposition products
[DE91-017072] 24 p4027 N91-32504
An analog retina model for detecting moving objects against a moving background
[DE91-017428] 24 p4035 N91-32544
Energy and technology review
[DE91-016873] 24 p4040 N91-32572
Impact of reactive nitrogen emissions from fossil fuel combustion and biomass burning on atmospheric chemistry
[DE91-017651] 24 p4042 N91-32588
Geoengineering the climate
[DE91-017654] 24 p4043 N91-32589
A three-dimensional numerical simulations of mesoscale flow over KSC/CC area of Florida
[DE91-017445] 24 p4071 N91-32743
The effect of shower/bath frequency on the health and operational effectiveness of soldiers in a field setting
[DE91-017545] 24 p4073 N91-32758
High-intensity photoionization of H2
[DE91-017087] 24 p4096 N91-32885
Benchmark field study of deep neutron penetration
[DE91-015677] 24 p4096 N91-32886
Basic features of coherent radiation generated by relativistic charge bunches
[DE91-017656] 24 p4098 N91-32898
Infrastructure for thulium-170 isotope power systems for autonomous underwater vehicle fleets
[DE91-017464] 24 p4100 N91-32911
Distortion free projection lithography
[DE91-016570] 24 p4101 N91-32916
The surface morphology of as-deposited and laser-damaged dielectric mirror coatings studied in situ by atomic force microscopy
[DE91-016571] 24 p4101 N91-32917
Wafer cost analysis for a soft x ray projection lithography system
[DE91-016605] 24 p4102 N91-32918
Fabrication of advanced x ray optics with magnetron mini-source arrays
[DE91-017093] 24 p4102 N91-32919
L to H mode transitions and associated phenomena in divertor tokamaks
[DE91-017074] 24 p4105 N91-32940
Inertial Confinement Fusion, Volume 1, Number 2
[DE91-017920] 24 p4107 N91-32951
Analogous behavior in the quantum hall effect, anyon superconductivity, and the standard model
[DE91-016609] 24 p4110 N91-32970
Fermi surface measurements in YBa2Cu3O(7-x) and La(1.874)Sr(126)CuO4
[DE91-017094] 24 p4110 N91-32973
Mechanisms of defect production and atomic mixing in high energy displacement cascades: A molecular dynamics study
[DE91-017082] 24 p4111 N91-32979
Microstructural change and its influence on stress-strain behavior of two superplastic materials
[DE91-017431] 24 p4111 N91-32980
Spectroscopic properties of Nd3+ dopant ions in phosphate laser glass
[DE91-017665] 24 p4112 N91-32985
Nuclear and astronomical constraints on the site for r-process nucleosynthesis
[DE91-016561] 24 p4122 N91-33038
Astrophysical neutron capture processes
[DE91-017071] 24 p4122 N91-33039
Baryon inhomogeneity from the cosmic quark-hadron phase transition
[DE91-016608] 24 p4124 N91-33051
Earth sciences report, 1989 - 1990
[DE91-017132] 24 p4124 N91-33053

LECCE UNIV. (ITALY).
Raman properties of various carbonaceous materials and their astrophysical implications
06 p0893 N91-14933
VUV-visible measurements on different samples of amorphous carbon 06 p0903 N91-14990
IR emission from circumstellar envelopes of C-rich stars 06 p0909 N91-15019

LEEDS UNIV. (ENGLAND).
Current GPS/GLONASS time reference and UTC
17 p2851 N91-25762

LEGGETT (NICKOLAUS), RESTON, VA.
Natural vacuum electronics 14 p2205 N91-22177

LEHIGH UNIV., BETHLEHEM, PA.
Nonequilibrium thermal/mechanical interaction of uniaxial specimen with environment at different temperatures 03 p0379 N91-12118
Pressure gradient effects on the development of hairpin vortices in an initially laminar boundary layer
08 p1141 N91-16282
Mechanisms and controlling characteristics of the catalytic oxidation of methane
[DE91-008033] 11 p1681 N91-19263
High resolution microstructural and microchemical analysis of zirconia eutectic interfaces
[DE91-008032] 11 p1810 N91-19940
Robot tracking system improvements and visual calibration of orbiter position for radiator inspection
11 p1826 N91-20037
High octane ethers from synthesis gas-derived alcohol
[DE91-008367] 13 p2058 N91-21325
Real-time measurement of materials properties at high temperatures by laser produced plasmas
13 p2060 N91-21342
The surface and through crack problems in layered orthotropic plates
[NASA-CR-188188] 14 p2278 N91-22600
Unsteady flow structure from swept edges subjected to controlled motion
[AD-A232714] 15 p2366 N91-23094
Strength and toughness of tailored ceramic microstructures
[AD-A232911] 16 p2605 N91-24433
Interface crack in nonhomogeneous bonded materials of finite thickness 17 p2788 N91-25425
The surface and through crack problems in layered orthotropic plates 17 p2788 N91-25429
Partial oxidation of light alkanes in transition-metal ion containing zeolites
[DE91-008202] 18 p2944 N91-26243
Analytical electron microscopy of catalyst preparations
[DE91-014126] 20 p3311 N91-28328
Three-dimensional vortex dynamics and interactions in near-wall turbulent boundary layers
[AD-A237413] 21 p3513 N91-29507
High octane ethers from synthesis gas-derived alcohols
[DE91-016596] 24 p3973 N91-32193

LEICESTER UNIV. (ENGLAND).
Ionospheric corrections for SHF satellite radar altimetry 08 p1167 N91-16423
Epitaxial growth and surface morphology of some metal and semiconductor structures 08 p1238 N91-16824
X ray emission from low-mass binary systems
08 p1243 N91-16853
Study of coronal and transition region structure in the contact binary 44i Boo through rotational modulation of the far-UV spectra 09 p1439 N91-17928
Unsteady aerodynamic forces on parachute canopies
10 p1461 N91-18059
The physics of ground based heating
10 p1546 N91-18507
Observations of the anomalous absorption of diagnostic radio waves during ionospheric modification at Arecibo
10 p1547 N91-18513
Enhanced fading rates produced during ionospheric modification 10 p1548 N91-18519
Studies of plasma irregularities and convection in the polar ionosphere using HILAT, SABRE and EISCAT
[AD-A232983] 16 p2657 N91-24702
Further proton damage effects in EEV CCDs
24 p3997 N91-32340

LEIDEN UNIV. (NETHERLANDS).
Discounted dynamic programming. Part 3: Successive approximation
[TW-89-14-PT-3] 01 p0110 N91-10640
Discounted dynamic programming. Part 4: Accelerated successive approximation
[TW-90-03-PT-4] 01 p0110 N91-10641
Discounted dynamic programming. Part 5: Modified policy iteration
[TW-90-04-PT-5] 01 p0110 N91-10642
Geometric ergodicity of the ALOHA-system and a coupled processors model
[TW-90-01-B] 01 p0115 N91-10680
The technique of Cerenkov ring image detection
[ETN-90-97747] 01 p0121 N91-10714
The extragalactic radiation field and sharp edges to HI disks in galaxies 05 p0734 N91-14101
Neutral hydrogen in the starburst galaxy NGC3690/IC694 05 p0735 N91-14104
A survey for PAH emission in H II regions, planetary and proto-planetary nebulae 06 p0890 N91-14920
New insights in the photochemistry of grain mantles: The identification of the 4.62 and 6.87 micron bands
06 p0897 N91-14957
Molecular and mass spectroscopic analysis of isotopically labeled organic residues
06 p0898 N91-14961
Diffusion and infrared properties of molecules in ice mantles 06 p0898 N91-14963
The evolution of organic mantles on interstellar grains
06 p0898 N91-14964
Scattering by fluffy grains 06 p0903 N91-14992
A comparative study of the continuum and emission characteristics of comet dust. 1: Are the silicates in Comet Halley and Kohoutek amorphous or crystalline
06 p0906 N91-15005
Alignment of cD-galaxies with their surroundings
08 p1252 N91-16895
What determines the bulge to disk ratio of galaxies
08 p1260 N91-16942
The cosmochemistry of protostellar matter
10 p1619 N91-18927
The dust in the coma of Comet Halley
10 p1621 N91-18943
Evaporation of H2O-CO2-CH4-CO ice and its implication for the evolution of ice grains 10 p1623 N91-18953
The 0 deg (63 micron) line emission from galactic high latitude cirrus clouds 13 p2178 N91-22029
The stability of a class of Runge-Kutta methods for delay differential equations
[TW-90-05] 14 p2320 N91-22809
On a conjecture by LeVeque and Trefethen related to the Kreiss matrix theorem
[TW-90-07] 14 p2320 N91-22810
On the shortest queue policy for the tandem parallel queue
[TW-90-08] 14 p2320 N91-22811
Maximum norm contractivity of discretization schemes for the heat equation
[TW-90-06] 14 p2338 N91-22924
On finding optimal policies for Markov decision chains: A unifying framework for mean-variance-tradeoffs
[TW-90-10] 22 p3732 N91-30777
On the relation between recurrence and ergodicity properties in denumerable Markov decision chains
[TW-91-02] 23 p3923 N91-31918

LEIGH INSTRUMENTS LTD., OTTAWA (ONTARIO).
Beacon activation device
[PATENT-1-256-916] 23 p3785 N91-31108

LENINGRAD SCIENTIFIC RESEARCH RADIOTECHNICAL INST. (USSR).
The national- and international-wide prospects of future improvements of position location and time synchronization systems and aids
17 p2858 N91-25800
LENINGRAD STATE UNIV. (USSR).
The polar-ring galaxies NGC 2685 and NGC 3808B (VV 300)
08 p1252 N91-16892
Triplets of galaxies: Their dynamics, evolution, and the origin of chaos in them
08 p1262 N91-16948
LENINGRAD UNIV. OBSERVATORY (USSR).
On the variability of the solar integral radiation constituents
03 p0445 N91-12489
Typical motions in multiple systems
08 p1261 N91-16945
Dynamics and configurations of galaxy triplets
08 p1261 N91-16946
A classification of the galaxy groups
08 p1262 N91-16949
Viral coefficient and hidden mass in the galaxy groups
08 p1262 N91-16950
Gas flows in S-E binary systems of galaxies
08 p1263 N91-16956
Influence of dissipative processes on the resonances in planetary systems
10 p1620 N91-18937
LENOIR-RHYNE COLL., HICKORY, NC.
A survey of techniques for refrigeration, reliquefaction, and production of slush for hydrogen
10 p1632 N91-19001
LETTERMAN ARMY INST. OF RESEARCH, SAN FRANCISCO, CA.
Results of a pilot study: Target identification using computer visual simulation of laser-induced contrast sensitivity deficits
[AD-A232899] 16 p2632 N91-24568
LEVY (SALOMON), INC., CAMPBELL, CA.
Design of a modular test loop for study of two-phase flow and heat transfer in low and high accelerations
[AD-A225658] 03 p0367 N91-12054
LIBRARY OF CONGRESS, WASHINGTON, DC.
Antarctic bibliography, volume 17
[PB91-138370] 17 p2884 N91-25945
LICK OBSERVATORY, SANTA CRUZ, CA.
An estimation of temperatures of H I zone in BLR of Seyfert 1 galaxy I ZW1
09 p1443 N91-17959
Numerical two-dimensional calculations of the formation of the solar nebula
14 p2345 N91-22962
LIEGE UNIV. (BELGIUM).
IAL space facilities for thermal vacuum testing
07 p0952 N91-15234
ISO optical cryogenic tests in the IAL space FOCAL-5 facility
07 p0952 N91-15235
IAL SPACE: A test laboratory for the ISO cryogenic payload
11 p1659 N91-19142
The space simulation facilities at IAL SPACE
11 p1661 N91-19151
LIFE SYSTEMS, INC., CLEVELAND, OH.
Space water electrolysis: Space Station through advance missions
24 p4036 N91-32553
LIGHTNING ELIMINATORS CO., INC., BOULDER, CO.
Advances in lightning protection that satisfies contemporary standards
24 p4069 N91-32731
LIGHTNING LOCATION AND PROTECTION, INC., TUCSON, AZ.
Range estimation techniques in single-station thunderstorm warning sensors based upon gated, wideband, magnetic direction finder technology
24 p4049 N91-32618
LIGHTNING TECHNOLOGIES, INC., PITTSFIELD, MA.
Design of lightning protection for a full-authority digital engine control
24 p4066 N91-32717
Certification of lightning protection for a full-authority digital engine control
24 p4067 N91-32718
LILLE UNIV. (FRANCE).
Plastic deformation processes in relation to molecular structure
[ETN-91-99916] 23 p3807 N91-31233
LIMBURGS UNIV., DIEPENBEEK (BELGIUM).
A new approach to the reliability of electronic material systems
24 p3993 N91-32310
LINCOLN UNIV., PA.
Lincoln Advanced Science and Engineering Reinforcement (LASER) program
19 p3272 N91-28097
LINCOM CORP., HOUSTON, TX.
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Final user's guide
[NASA-CR-187242] 04 p0489 N91-12715
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary test plan
[NASA-CR-187243] 04 p0489 N91-12716
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary ascent knowledge requirements
[NASA-CR-187244] 04 p0489 N91-12717
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Test report
[NASA-CR-187245] 04 p0489 N91-12718
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: Preliminary user's guide
[NASA-CR-187246] 04 p0489 N91-12719
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: ONAV entry expert system code
[NASA-CR-187248] 04 p0489 N91-12720
LINNHOFF MARCH, INC., SAN MATEO, CA.
Research and development opportunities for natural gas fueled refrigeration in industrial processes
[PB91-136432] 15 p2409 N91-23338
LISBON UNIV. (PORTUGAL).
DC-AC converter with high frequency resonant link
[PB91-177758] 19 p3161 N91-27480
LITTLE (ARTHUR D.), INC., BOSTON, MA.
Initial blood storage experiment
[NASA-CR-185513-PT-1] 06 p0851 N91-14700
Initial blood storage experiment
[NASA-CR-185513-PT-2] 06 p0852 N91-14701
LITTLE (ARTHUR D.), INC., CAMBRIDGE, MA.
Industry perspective on Maglev
[PB90-252305] 02 p0202 N91-11132
LITTON AERO PRODUCTS, MOORPARK, CA.
Avionic laser multisensor program at Litton Aero Products
16 p2552 N91-24144
LITTON SYSTEMS, INC., BEVERLY HILLS, CA.
Enhanced global positioning system delta-range processing
[PATENT-1-254-637] 23 p3787 N91-31115
LITTON SYSTEMS, INC., CHARLOTTE, NC.
Contract crystal growth and fabrication services
[AD-A225381] 03 p0425 N91-12378
Contract crystal growth and fabrication services
[AD-A232120] 15 p2517 N91-23952
LITTON TECHNISCHE WERKE, FREIBURG (GERMANY, F.R.).
A unified approach to simulation software and operational software
07 p1043 N91-15725
LIVERPOOL UNIV. (ENGLAND).
A comparative study of ductile fracture in the 2.25 percent Cr-1 percent Mo and 9 percent Cr-1 percent Mo alloy steels
05 p0675 N91-13753
Surface cloud observations for radiation, climatology and incorporation into satellite-based nephanalyses
15 p2467 N91-23671
LOCKHEED AERONAUTICAL SYSTEMS CO., BURBANK, CA.
Flexible body dynamic stability for high performance aircraft
14 p2227 N91-22318
Laboratory test and acoustic analysis of cabin treatment for propfan test assessment aircraft
[NASA-CR-182075] 16 p2681 N91-24844
Composite transport wing technology development: Design development tests and advanced structural concepts
[NASA-CR-4177] 21 p3471 N91-29253
LOCKHEED AERONAUTICAL SYSTEMS CO., MARIETTA, GA.
Diverter decision aiding for in-flight diversions
[NASA-CR-182070] 04 p0480 N91-12677
LOCKHEED AERONAUTICAL SYSTEMS CO., PALMDALE, CA.
The high technology test bed: A research programme for technology development
10 p1467 N91-18089
LOCKHEED AERONAUTICAL SYSTEMS CO., THOUSAND OAKS, CA.
The pilot's associate: Exploiting the intelligent advantage
17 p2731 N91-25122
LOCKHEED AIRCRAFT CORP., PALO ALTO, CA.
Laboratory investigation of visible shuttle glow mechanisms
12 p1951 N91-20734
LOCKHEED CORP., HOUSTON, TX.
Tool and data interoperability in the SSE system
11 p1774 N91-19727
Impact of Mars sand on dust on the design of space suits and life support equipment: A technology assessment
18 p3089 N91-27079
LOCKHEED ENGINEERING AND SCIENCES CO., HAMPTON, VA.
Thermoplastic polyimide NEW-TPI (trademark)
[NASA-CR-187445] 03 p0325 N91-11809
Aerodynamic parameter studies and sensitivity analysis for rotor blades in axial flight
[NASA-CR-187524] 14 p2187 N91-22078
Signal processing of aircraft flyover noise
[NASA-CR-187546] 16 p2681 N91-24845
An improved compression molding technology for continuous fiber reinforced composite laminate. Part 1: AS-4/LaRC-TPI 1500 (HFG) Prepreg system
[NASA-CR-187572] 19 p3136 N91-27329
The NASA aircraft noise prediction program improved propeller analysis system
[NASA-CR-4394] 22 p3750 N91-30903
User's manual for the Langley boundary layer noise propagation program (MRS-BLP)
[NASA-CR-187559] 23 p3924 N91-31923
LOCKHEED ENGINEERING AND SCIENCES CO., HOUSTON, TX.
Computational fluid dynamics analysis of space shuttle main propulsion feed line 17-inch disconnect valves
02 p0150 N91-10876
Aerodynamic stability and heating analyses for the aeroassist flight experiment vehicle
02 p0155 N91-10899
Berthing simulator for space station and orbiter
12 p1937 N91-20657
Investigation of varying gray scale levels for remote manipulation
12 p1938 N91-20663
Space Station Freedom coupling tasks: An evaluation of their space operational compatibility
12 p1939 N91-20664
The use of analytical models in human-computer interface design
12 p1948 N91-20716
Developing the human-computer interface for Space Station Freedom
12 p1948 N91-20718
Spacecraft crew procedures from paper to computers
12 p1948 N91-20719
Kapton wire arc track testing: Per test procedure KWATT BB01
[NASA-CR-185642] 13 p2075 N91-21427
Development of the CELSS emulator at NASA, Johnson Space Center
23 p3904 N91-31793
LOCKHEED ENGINEERING AND SCIENCES CO., LAS CRUCES, NM.
National test bed concept
20 p3298 N91-28241
LOCKHEED ENGINEERING AND SCIENCES CO., WASHINGTON, DC.
USSR Space Life Sciences Digest, issue 28
[NASA-CR-3922(33)] 04 p0550 N91-13052
USSR Space Life Sciences Digest. Index to issues 26-29
[NASA-CR-3922(35)] 11 p1763 N91-19700
USSR Space Life Sciences Digest, issue 29
[NASA-CR-3922(34)] 18 p3019 N91-26669
USSR Space Life Sciences Digest, issue 30
[NASA-CR-3922(36)] 18 p3019 N91-26670
USSR Space Life Sciences Digest, issue 31
[NASA-CR-3922(37)] 22 p3713 N91-30669
LOCKHEED MISSILES AND SPACE CO., AUSTIN, TX.
User's manual for a prototype binding of ANSI-Standard SQL to Ada supporting the SAME methodology for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228480] 09 p1382 N91-17598
Empirical studies of software design: Implications for SSEs
11 p1774 N91-19728
LOCKHEED MISSILES AND SPACE CO., HUNTSVILLE, AL.
Geostationary platform study: Advanced ESGP/evolutionary SSF accommodation study
[NASA-CR-184037] 04 p0492 N91-12737
Geostationary platform study: Advanced ESGP/evolutionary SSF accommodation study
[NASA-CR-184036] 04 p0493 N91-12738
Laser Atmospheric Wind Sounder (LAWS) phase 1. Volume 1: Executive summary
[NASA-CR-184068] 09 p1339 N91-17351
Laser Atmospheric Wind Sounder (LAWS) phase 1. Volume 2
[NASA-CR-184069] 09 p1339 N91-17352
Laser Atmospheric Wind Sounder (LAWS) phase 1. Volume 3: Project cost estimates
[NASA-CR-184070] 09 p1339 N91-17353
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
LOCKHEED MISSILES AND SPACE CO., PALO ALTO, CA.
Magnetic resonance imaging studies of process rheology
[AD-A225814] 04 p0510 N91-12836
Formulation of a product containing the multifunctional corrosion inhibitor system DNBM
[AD-A227524] 09 p1311 N91-17198
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
Integrated Cryogenic Experiment (ICE) microsphere investigation
[NASA-CR-177538] 11 p1693 N91-19323
Adaptive interfaces
[AD-A229751] 12 p1965 N91-20810

Development of fine-grained, ductile tungsten alloys for armor/anti-armor application
[AD-A231857] 14 p2246 N91-22423
The computational structural mechanics testbed structural-element processor ES1: Basic SRI and ANS shell elements
[NASA-CR-4357] 14 p2277 N91-22595
The computational structural mechanics testbed structural-element processor ES5: STAGS shell element
[NASA-CR-4358] 14 p2277 N91-22596
The computational structural mechanics testbed structural-element processor ES6: STAGS beam element
[NASA-CR-4359] 14 p2278 N91-22597
The computational structural mechanics testbed structural-element processor ES7: Revised ANS shell elements
[NASA-CR-4360] 14 p2278 N91-22598
Addendum to the DYCAST user's manual describing the curved, warp beam finite element
[NASA-CR-4362] 14 p2319 N91-22805
Infrared focal plane performance in the South Atlantic anomaly
[NASA-CR-186197] 15 p2430 N91-23458
CLASS: Coherent Lidar Airborne Shear Sensor. Windshear avoidance
[LMSC-F-415048] 16 p2552 N91-24141
High temperature interactions of metallic matrices with ceramic reinforcements
[AD-A232967] 16 p2601 N91-24411
ONR-307 experiment on the Combined Release and Radiation Effects Satellite (CRRES)
[AD-A236241] 19 p3112 N91-27193

LOCKHEED MISSILES AND SPACE CO., SUNNYVALE, CA.
Effect of science laboratory centrifuge of space station environment 03 p0433 N91-12425
Unsteady separated flow phenomena causing self-excited structural oscillations 06 p0783 N91-14339
Workstations and gloveboxes for space station 07 p1080 N91-15941
Risk analysis and management 09 p1282 N91-17051
Coupled Riccati equations for complex plane constraint 14 p2227 N91-22315
Spin bearing retainer design optimization 16 p2641 N91-24615
LDEF-space environmental effects on materials: Composites and silicone coatings 16 p2718 N91-25051

LOCKHEED SANDERS, INC., NASHUA, NH.
Advanced Stirling receiver development program, phase 1
[NASA-CR-185281] 09 p1356 N91-17452

LOCKHEED SPACE OPERATIONS CO., COCOA BEACH, FL.
Remote voice training: A case study on space shuttle applications, appendix C
[NASA-CR-187385] 03 p0396 N91-12199
KSC's work flow assistant 12 p1941 N91-20680
Rule-based simulation models 12 p1944 N91-20694
Space shuttle holddown post blast shield 16 p2642 N91-24623
Liquid rocket booster integration study. Volume 4: Reviews and presentation material
[NASA-CR-188766] 22 p3640 N91-30258

LOCKHEED SPACE OPERATIONS CO., TITUSVILLE, FL.
Liquid rocket booster integration study. Volume 1: Executive summary
[NASA-CR-188762] 22 p3639 N91-30254
Liquid Rocket Booster Integration Study. Volume 2: Study synopsis
[NASA-CR-188763] 22 p3640 N91-30255
Liquid rocket booster integration study. Volume 3, part 1: Study products
[NASA-CR-188764] 22 p3640 N91-30256
Liquid rocket booster integration study. Volume 3: Study products. Part 2: Sections 8-19
[NASA-CR-188765] 22 p3640 N91-30257
Liquid rocket booster integration study. Volume 5, part 1: Appendices
[NASA-CR-188767] 22 p3640 N91-30259

LOCKHEED SPACE OPERATIONS CO., WASHINGTON, DC.
Space shuttle requirements/configuration evolution 20 p3301 N91-28264

LODESTAR RESEARCH CORP., BOULDER, CO.
Workshop on High Power ICH Antenna Designs for High Density Tokamaks
[DE90-010519] 09 p1399 N91-17703
Fundamental studies of fusion plasmas
[DE91-015656] 21 p3589 N91-29964

LOGICA LTD., COBHAM (ENGLAND).
The design of the ground segment to provide optimum service at minimum cost 14 p2208 N91-22192

LOGICA LTD., LONDON (ENGLAND).
The Hipparcos dedicated control system: A case stuudy of a high reliability scientific spacecraft control system 14 p2209 N91-22197
Mission planning systems for scientific and remote sensing satellites: A comparative analysis 14 p2213 N91-22226
Workstation technology and MMI techniques for the Eutelsat 2 telemetry, command and ranging system 14 p2220 N91-22276

LOGICA SA/NV, BRUSSELS (BELGIUM).
Microgravity experiment design 14 p2213 N91-22224

LOGICON, INC., DAYTON, OH.
A field evaluation of the compatibility of the protective integrated hood mask with ANVIS night vision goggles
[AD-A230237] 13 p2129 N91-21718

LOGICON TECHNICAL SERVICES, INC., DAYTON, OH.
A compatibility assessment of the protective integrated hood mask with ANVIS night vision goggles
[AD-A229956] 13 p2128 N91-21716

LOGISTICS MANAGEMENT INST., BETHESDA, MD.
Management information: A key to better acquisition at NIH
[AD-A226867] 08 p1239 N91-16830
Enhancing aircraft utilization: Improved use of cargo-holding time
[AD-A230402] 12 p1827 N91-20041
Standardizing submissions to the major automated information system review council
[AD-A230405] 12 p1997 N91-20994
The cost of information systems modernization: A comparison of options for life-cycle project management systems
[AD-A230675] 12 p1999 N91-21001
NASA gateway requirements analysis
[NASA-TM-104951] 14 p2339 N91-22935
A guide to EDI translation software
[AD-A233053] 16 p2669 N91-24767
DoD's technical information publishing: A strategy for evolution
[AD-A235749] 19 p3261 N91-28034

LONDON UNIV. (ENGLAND).
Performance tests on Ge:Ga and Ge:Be detectors for the ISO long wavelength spectrometer 13 p2180 N91-22045

LONG ISLAND UNIV., SOUTHAMPTON, NY.
Double diffusive interleaving across a thermohaline front
[AD-A224822] 03 p0393 N91-12185

LONGWOOD COLL., FARMVILLE, VA.
Interdependence of science requirements and safety limitations on the space station 07 p1079 N91-15938

LORAL DEFENSE SYSTEMS, AKRON, OH.
The 3D laser radar vision processor system
[NASA-CR-185640] 16 p2691 N91-24898

LORAL INFRARED AND IMAGING SYSTEMS, LEXINGTON, MA.
Status of LWIR HgCdTe infrared detector technology 06 p0793 N91-14383

LOS ALAMOS NATIONAL LAB., NM.
Optimum hypersonic airfoil with power law shock waves
[DE90-014903] 01 p0002 N91-10008
Railgun restrike control
[DE90-015108] 01 p0015 N91-10095
Beryllium weldability
[DE90-014696] 01 p0026 N91-10155
Constant stress of XD (trademark) TiAl containing nitrogen
[DE90-011947] 01 p0026 N91-10158
Mechanical and microstructural response of Ni3Al at high strain rate and elevated temperatures
[DE90-016489] 01 p0027 N91-10162
Texture-induced anisotropy and high-strain rate deformation in metals
[DE90-016611] 01 p0027 N91-10163
The influence of shock pre-strain and peak pressure on spall behavior of 4340 steel
[DE90-016612] 01 p0027 N91-10164
Shock experiments in metals and ceramics
[DE90-016613] 01 p0028 N91-10165
High-strain-rate compression and fracture of B4C-aluminum cermets
[DE90-016568] 01 p0030 N91-10176
Transition state theory applying to the study of reaction processes in detonation
[DE90-016558] 01 p0032 N91-10187
AFDM: An Advanced Fluid-Dynamics Model. Volume 1: Scope, approach, and summary
[DE90-016723] 01 p0041 N91-10239
AFDM: An Advanced Fluid-Dynamics Model. Volume 4: The AFDM heat- and mass-transfer solution algorithm
[DE90-017535] 01 p0041 N91-10240
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017536] 01 p0041 N91-10241
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017537] 01 p0041 N91-10242
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017538] 01 p0041 N91-10243
AFDM: An Advanced Fluid-Dynamics Model
[DE90-017539] 01 p0041 N91-10244
An imaging x-ray microscope using a laser plasma source and a Schwarzchild objective
[DE90-016432] 01 p0045 N91-10266
Recent advances in excimer laser technology at Los Alamos
[DE90-016441] 01 p0046 N91-10276
Biomedical applications on laser technology at Los Alamos
[DE90-016447] 01 p0047 N91-10277
Cumulative beam breakup of the ground-based-free-electron laser
[DE90-016485] 01 p0047 N91-10279
INEX modeling of the Boeing ring optical resonator free-electron laser
[DE90-016488] 01 p0047 N91-10280
The physical and chemical state of Westinghouse Phosphoric Acid Fuel Cell assemblies after long term operation: Surface and near-surface analysis
[DE90-015055] 01 p0063 N91-10382
Stability of some stationary solutions for the forced KdV equation
[DE90-016506] 01 p0113 N91-10662
Lobe area in adiabatic Hamiltonian systems
[DE90-016566] 01 p0113 N91-10663
Prediction and control of chaotic processes using nonlinear adaptive networks
[DE90-016505] 01 p0118 N91-10697
Polarization modulated solitary waves in an optical fiber
[DE90-015034] 01 p0121 N91-10715
High-order optics of multipole magnets
[DE90-016438] 01 p0121 N91-10717
Order and chaos in polarized nonlinear optics
[DE90-016717] 01 p0122 N91-10721
Confinement studies in the ZT-40M reversed field pinch
[DE90-016442] 01 p0125 N91-10739
Tilt stability and compression heating studies of field-reversed configurations
[DE90-016443] 01 p0125 N91-10740
Nonlinear optical absorption in intrinsic Stark effect superlattices
[DE90-016466] 01 p0130 N91-10767
Copper NMR and hole depletion in the normal state of Y(1-x)Pr(x)Ba2Cu3O7
[DE90-016468] 01 p0130 N91-10768
Superconducting borides
[DE90-016484] 01 p0130 N91-10769
Caiculation of the static magnetism of metamagnetic La2CuO4
[DE90-016490] 01 p0130 N91-10770
Electronic, structural and transport properties of (almost) rare-earth-like actinide hydrides
[DE90-016491] 01 p0130 N91-10771
Computation of superconductor critical current densities and magnetization curves
[DE90-016567] 01 p0131 N91-10773
Fe site occupancy and superconductivity in Y(1-z)Ca(z)Ba(z) (Cu(1-x)Fe(x))3O(6+y)
[DE90-016614] 01 p0131 N91-10774
XAFS analysis in the anharmonic limit: Application to HI-Tc superconductors and ferrosilicates
[DE90-016720] 01 p0131 N91-10776
Radiation-induced noise in Charge-Coupled Device (CCD) and Charge-Injection Device (CID) imagers
[DE90-016724] 01 p0131 N91-10777
An interpersonal multimedia visualization system
[DE90-014974] 01 p0135 N91-10803
A semi-analytical model of stellar flares
[DE90-016434] 01 p0139 N91-10817
Nuclear structure calculations for astrophysical applications
[DE90-016433] 01 p0139 N91-10818
Intrinsic neutrino properties: As deduced from cosmology, astrophysics, accelerator, and non-accelerator experiments
[DE90-016467] 01 p0142 N91-10836
An apparatus for studies of hydrogen isotope exchange over metals using laser-Raman spectroscopy
[DE90-018038] 02 p0194 N91-11085
The reaction of vapor-deposited Al with Cu oxides
[DE91-000367] 02 p0199 N91-11114
Microwave sintering of nanocrystalline TiO2
[DE91-000375] 02 p0199 N91-11115

Increasing output power of an 850 MHz tetrode with a floating-deck modulator
[DE91-000433] 02 p0208 N91-11162
Numerical models of 2-D and 3-D geophysical convection
[DE90-014979] 02 p0238 N91-11330
Oscillation onset in neural delayed feedback
[DE90-015057] 02 p0242 N91-11351
Random number stride in Monte Carlo calculations
[DE90-012000] 02 p0262 N91-11465
A Monte Carlo boundary propagation method for the solution of Poisson's equation
[DE90-015060] 02 p0262 N91-11466
Accurate representations of general textures by a set of weighted grains
[DE90-016487] 02 p0265 N91-11485
Secondary-electron yield measurements from metals impacted by high-velocity ions, electrons, and molecules
[DE90-018023] 02 p0268 N91-11502
Production of uniform and well-confined beams by nonlinear optics
[DE91-000210] 02 p0271 N91-11522
Complete fluid equations for low-n singular modes in axisymmetric torodial plasmas
[DE91-000176] 02 p0275 N91-11545
Concepts in strong Langmuir turbulence theory
[DE91-000208] 02 p0275 N91-11546
Antimatter gravity experiment
[DE91-000177] 02 p0283 N91-11590
International English
[DE90-016719] 02 p0284 N91-11601
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
Discussion paper on environmental hazards on the Moon, in low Earth orbit, and in low Mars orbit
[DE90-017854] 02 p0293 N91-11646
Three-dimensional simulations of harmonic radiation and harmonic lasing
[DE91-000235] 03 p0370 N91-12074
Intensity dependent Thomson scattering and harmonic generation from free electrons
[DE91-000236] 03 p0370 N91-12075
Implementation and assessment of the mechanical-threshold-stress model using the EPIC2 and PINON computer codes
[DE90-017855] 03 p0380 N91-12123
Advanced system analysis for indirect methanol fuel cell power plants for transportation applications
[DE91-000171] 03 p0386 N91-12154
Applications of MaxEnt to quantum Monte Carlo
[DE91-000216] 03 p0401 N91-12231
The effect of surface roughness on the phase of neutrons specularly reflected at grazing incidence
[DE91-000238] 03 p0416 N91-12327
Lasing on higher harmonics
[DE91-000448] 04 p0528 N91-12927
Target physics results at 248 nm wavelength from the Aurora laser system high-intensity campaign
[DE91-000887] 04 p0530 N91-12941
Modeling of the quasi-steady magnetotail
[DE91-000444] 04 p0546 N91-13030
Behavioral effects of 1300 MHz high-peak-power microwave pulsed irradiation
[AD-A226269] 04 p0551 N91-13059
Measurement of the absolute cross section for multiphoton ionization of atomic hydrogen at 248 nm
[DE91-000222] 04 p0581 N91-13237
ZTI: An ignition class reversed-field pinch
[DE91-000447] 04 p0584 N91-13260
Microwave properties of HTS films
[DE91-000211] 04 p0590 N91-13297
Modelling of dual stability in a cable-in-conduit conductor
[DE91-000220] 04 p0590 N91-13298
Thermodynamics and magnetism in Th(x)U(1-x)Be(13-y)B(y)
[DE91-000372] 04 p0591 N91-13300
Photoabsorption modulation in GaAs: Ga(1-x)In(x) as strained-layer superlattices
[DE91-000440] 04 p0591 N91-13301
The behavior of fission products during nuclear rocket reactor tests
[DE91-001956] 05 p0630 N91-13490
All hot spots are not equal
[DE91-002303] 05 p0644 N91-13573
Superfluid Stirling refrigerator: A new method for cooling below 1 Kelvin
[DE91-002311] 05 p0645 N91-13582
Transionospheric Propagation Code (TIPC)
[DE91-002435] 05 p0648 N91-13597
Semi-custom integrated circuit amplifier and level discriminator for nuclear and space instruments
[DE91-001951] 05 p0652 N91-13620
Computation of the current density in nonlinear materials subjected to large current pulses
[DE91-001950] 05 p0652 N91-13624
Dual klystron modulator
[DE91-002348] 05 p0653 N91-13626
Small signal gain based on analytic models of thin intense electron beams
[DE91-001874] 05 p0654 N91-13631
Bidirectional slapper detonators in spherical explosion systems
[DE91-002399] 05 p0659 N91-13662
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
Actinide speciation by photothermal spectroscopies: Instrumentation development
[DE91-001854] 05 p0666 N91-13700
Diagnostics for high-brightness beams
[DE91-001865] 05 p0666 N91-13701
Field error lottery
[DE91-001875] 05 p0666 N91-13702
Transionospheric propagation calculations for the output of two EMP (Electromagnetic Pulse) simulators
[DE91-001618] 05 p0669 N91-13720
Analysis of bond quality by resonant ultrasound
[DE91-000439] 05 p0673 N91-13743
Mesh considerations for finite element structural dynamic applications
[DE91-001717] 05 p0677 N91-13764
Vortex collapse from a viewpoint of complex-time singularity
[DE91-001852] 05 p0710 N91-13957
A linear accelerator in the space: The beam experiment aboard rocket
[DE91-002347] 05 p0715 N91-13988
Confinement and heating studies of field-reversed configurations
[DE91-001965] 05 p0718 N91-14008
Magnetic turbulent electron transport in a reversed field pinch
[DE91-001898] 05 p0718 N91-14009
Measurement of magnetic fluctuations on ZT-40(M)
[DE91-001899] 05 p0719 N91-14010
Kinetic and electromagnetic transport processes in toroidal devices
[DE91-001901] 05 p0719 N91-14011
Two-fluid simulations of the reversed-field pinch
[DE91-001961] 05 p0719 N91-14014
Confinement properties of the RFP (reversed field pinch)
[DE91-002322] 05 p0719 N91-14015
Algorithmic information content, Church-Turing thesis, physical entropy, and Maxwell's demon
[DE91-001804] 05 p0728 N91-14069
Chaos and order in non-integrable model field theories
[DE91-002313] 05 p0729 N91-14070
Elemental mapping of planetary surfaces using gamma ray spectroscopy
[DE91-001877] 05 p0767 N91-14258
Laboratory spectra of amorphous and crystalline olivine: An application to comet Halley IR spectrum
[DE91-002307] 05 p0768 N91-14264
Gamma ray bursts from comet neutron star magnetosphere interaction, field twisting and E(sub parallel) formation
[DE91-002320] 05 p0769 N91-14270
The vertical Van de Graaff telemetry system
[DE91-001960] 06 p0790 N91-14370
Small band gap superlattices as intrinsic long wavelength infrared detector materials 06 p0798 N91-14405
Short term creep rupture predictions for Tantalum alloy T-3
[DE91-002338] 06 p0807 N91-14458
New multiphase equation of state for polycrystalline quartz
[DE91-001048] 06 p0813 N91-14490
Transient analysis of a two-phase hydrogen heat switch
[DE91-002314] 06 p0816 N91-14506
A simple plane-wave explosive lens
[DE91-004297] 06 p0819 N91-14526
A CLOS (Common Lisp Object System) implementation on top of KEE (Knowledge Engineering Environment)
[DE91-001957] 06 p0858 N91-14739
Fast electron studies in the ZT-40M edge plasma
[DE91-002323] 06 p0875 N91-14838
Superconducting properties of Tl-Ba-Ca-Cu-O films on silver substrates
[DE91-002304] 06 p0879 N91-14856
Infrared spectra of crystalline and glassy silicates and application to interstellar dust 06 p0904 N91-14994
A step back: Hydrogen abstraction from methane using a semiempirical molecular orbital method
[DE91-000186] 07 p0975 N91-15352
Dynamics of the Anderson model for dilute magnetic alloys: A quantum Monte Carlo and maximum entropy study
[DE91-000445] 07 p0979 N91-15376
Structure-process-property relations in excimer laser surface processed Ti-6Al-4V alloy
[DE91-004859] 07 p0981 N91-15383
Effect of internal gas pressure on the shock consolidation of 304 stainless steel powders
[DE91-004861] 07 p0981 N91-15384
Methane to methanol conversion
[DE91-004843] 07 p0987 N91-15419
Coherent Raman scattering in high-pressure/high-temperature fluids: An overview
[DE91-000438] 07 p1002 N91-15500
Review of liquid metal heat pipe work at Los Alamos
[DE91-004822] 07 p1002 N91-15503
Faraday effect current sensing using a Sagnac interferometer with a 3 x 3 coupler
[DE90-016436] 07 p1004 N91-15515
Noninvasive studies of human visual cortex using neuromagnetic techniques
[DE91-001856] 07 p1035 N91-15680
Nonlinear dynamics of neural delayed feedback
[DE91-001864] 07 p1036 N91-15681
Texture-property relationships in the high temperature superconductors
[DE91-004858] 07 p1073 N91-15907
Characteristics of oxide layer grown on gallium arsenide using 2.8 eV translational energy atomic oxygen
[DE91-004865] 07 p1073 N91-15908
Superconducting YBaCuO thin films by Cu-ion implantation
[DE91-004867] 07 p1074 N91-15909
Dust: A major environmental hazard on the Earth's moon
[DE91-001803] 07 p1083 N91-15959
A low-cost infrared telemetry system for kilohertz-bandwidth data acquisition
[DE90-010616] 08 p1101 N91-16042
Destruction of propellant components in supercritical water
[DE90-010600] 08 p1108 N91-16085
Impurity tolerant electrocatalysts
[DE90-011960] 08 p1109 N91-16090
Time-resolved Coherent Anti-Stokes Raman Spectroscopy (CARS) and the measurement of vibrational spectra in shock-compressed molecular materials
[DE90-012053] 08 p1109 N91-16091
Magnetic structures of actinide materials by pulsed neutron diffraction
[DE91-000373] 08 p1109 N91-16093
Influence of strain rate on the structure/property of Ti-48Al-1V
[DE91-000172] 08 p1114 N91-16122
Safe venting of hydrogen
[DE90-008964] 08 p1123 N91-16174
Transient natural convection in heated inclined tubes
[DE90-008217] 08 p1136 N91-16255
State of an adiabatic expanding and condensing vapor or slow, medium, and fast explosions into a vacuum
[DE90-010815] 08 p1138 N91-16263
AFDM: An Advanced Fluid-Dynamics Model. Volume 2: Topologies, flow regimes and interfacial areas
[DE91-000581] 08 p1141 N91-16283
Rotating Rayleigh-Benard convection: The Kueppers-Lortz transition
[DE91-004835] 08 p1142 N91-16288
Comparison of some x ray sensors for verification
[DE90-011990] 08 p1148 N91-16323
Development of free-electron lasers for XUV projection lithography
[DE90-010566] 08 p1151 N91-16342
Droplet shattering, vaporization, and recondensation in cloud clearing with long pulse infrared chemical lasers
[DE90-010584] 08 p1152 N91-16343
Integrated Numerical Experiments (INEX) and the Free-Electron Laser Physical Process Code (FELPPC)
[DE90-011957] 08 p1152 N91-16348
Angular dependence of thin-film dielectric coating damage thresholds
[DE91-000237] 08 p1153 N91-16351
Design requirements and calculated performance of an XUV FEL oscillator operating on a higher harmonic
[DE91-004833] 08 p1154 N91-16357
Direct methanol/air fuel cells: Systems considerations
[DE90-011971] 08 p1169 N91-16439
Numerical simulations of the mountain iron tracer data
[DE90-009749] 08 p1181 N91-16499
A graphical user-interface-driven waveform data acquisition and analysis system
[DE90-011948] 08 p1197 N91-16578
Artificial intelligence technologies applied to terrain analysis
[DE90-011985] 08 p1208 N91-16642
Infrasonic observations of large-scale HE events 08 p1216 N91-16694
The correction of infrasound signals for upper atmospheric winds 08 p1216 N91-16695

Electron stopping powers of some elements and compounds from 0 to 10,000 eV: A compilation
[DE90-010675] 08 p1220 N91-16716
A Mirnov loop array for field-reversed configurations
[DE90-010607] 08 p1225 N91-16750
US-Japan Workshop on Field-Reversed Configurations with Steady-State High-Temperature Fusion Plasmas and the 11th US-Japan Workshop on Compact Toroids
[DE90-010253] 08 p1226 N91-16755
Spatial distributions of the emitting species in a penning surface-plasma source
[DE90-011996] 08 p1228 N91-16772
The Los Alamos megamp fiber z-pinch experiment
[DE91-004842] 08 p1229 N91-16777
Neutron measurements in search of cold fusion
[DE91-004855] 08 p1229 N91-16778
Molecular crystals and localized vibrational states
[DE90-010602] 08 p1231 N91-16786
M51's spiral structure 08 p1260 N91-16938
Origin of regularities in the redshift distributions of distant galaxies and quasars
[DE91-004848] 08 p1266 N91-16968
Microstructural evolution of Fe grown on a (001) Cu film and its implication to the elastic anomaly in metallic superlattices
[DE91-005875] 09 p1313 N91-17205
The next generation of RF-FEL (Free-Electron Laser) diagnostics: Synchroscan and dual-sweep streak camera techniques
[DE91-004844] 09 p1341 N91-17366
Effects of processing parameters on the laser deposition of high temperature superconducting thin films
[DE91-005937] 09 p1343 N91-17374
Thermal analysis of multifacet-mirror ring resonator for XUV free-electron lasers
[DE91-005855] 09 p1343 N91-17379
CD-ROM (Compact Disc-Read Only Memory): A delivery medium for CBT (Computer-Based Training)
[DE91-004831] 09 p1375 N91-17555
Acceleration of convergence
[DE91-004860] 09 p1383 N91-17607
Inverse problems SVD and pseudo SVD
[DE91-005939] 09 p1391 N91-17655
The nonlinear Schroedinger equation on a disordered chain
[DE91-005881] 09 p1391 N91-17656
Light hypernuclei and hyperon-nucleon interaction
[DE91-004863] 09 p1395 N91-17674
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Changes in Fe site occupancy and (Tc) in YBa2(Cu(1-x)Fe(x))3O(y) through processing
[DE90-010614] 09 p1409 N91-17751
Elastic after-effect due to oxygen relaxation in YBa2Cu3O(7-delta) above Tc
[DE91-005874] 09 p1414 N91-17783
A generic model for the ionic contribution to the equation of state
[DE91-006011] 09 p1419 N91-17810
JASA: A prototype water-Cerenkov air-shower detector
[DE91-005870] 09 p1426 N91-17848
The showerfront time-structure of anomalous muon events associated with Hercules X-1
[DE91-005890] 09 p1426 N91-17849
The entropy in supernova explosions
[DE91-005876] 09 p1427 N91-17858
Search for UHE emission from 4U0115+63
[DE91-005926] 09 p1450 N91-18002
An experimental investigation of the properties of a non-reacting, supersonic shear layer
[DE91-005856] 10 p1462 N91-18061
Chemical bonding of hydrogen molecules to transition metal complexes
[DE91-005852] 10 p1500 N91-18257
CHARADE: A characteristic code for calculating rate-dependent shock-wave response
[DE91-006791] 10 p1506 N91-18291
Low-frequency computational electromagnetics for antenna analysis
[DE91-007384] 10 p1516 N91-18345
Identification and determination of solitary wave structures in nonlinear wave propagation
[DE91-004866] 10 p1525 N91-18400
Battlefield laser wavemeter
[DE91-007485] 10 p1527 N91-18410
Free-electron laser sources of extreme-ultraviolet radiation and their vacuum requirements
[DE91-007400] 10 p1530 N91-18428
Progress in solid state dye laser development
[DE91-007401] 10 p1530 N91-18429
Pulsed power considerations for electron beam pumped krypton fluoride lasers for inertial confinement fusion applications
[DE91-007471] 10 p1530 N91-18430
All-optical pulse switching and shaping by a nonlinear sandwich
[DE91-007482] 10 p1531 N91-18431
The physics of dye laser amplifiers
[DE91-007489] 10 p1531 N91-18432
Elastic shear modulus: Fits to data and extrapolation to large compressions and negative pressure
[DE91-005996] 10 p1535 N91-18449
Crossed-microwave-beam air ionization laboratory experiments 10 p1550 N91-18527
HF propagation through actively modified ionospheres: Modelling and experimental results
10 p1554 N91-18549
A computational model of the cerebellum
[DE91-004824] 10 p1563 N91-18600
Nonlinear adaptive networks: A little theory, a few applications
[DE91-007469] 10 p1586 N91-18742
Application of nonlinear time series models to driven systems
[DE91-005949] 10 p1586 N91-18743
Status of PILAC: A pion linac facility for 1-GeV pion physics at LAMPF
[DE91-005854] 10 p1594 N91-18796
FLIP-MHD: A particle-in-cell method for magnetohydrodynamics
[DE91-005940] 10 p1601 N91-18832
ZTI: Preliminary characterization of an ignition class reversed-field pinch
[DE91-007353] 10 p1603 N91-18845
Adaptive grids and implicit differencing applied to plasma simulation
[DE91-007383] 10 p1603 N91-18846
Cubic new compound in the Ba-Ca-Cu-O system: Preliminary phase relationships
[DE91-005880] 10 p1604 N91-18852
Specific heat of YBa2Cu4O8 near Tc
[DE91-005898] 10 p1605 N91-18853
The gold/high temperature superconductor interface: Metallicity of the near surface region and a search for the proximity effect
[DE91-005950] 10 p1605 N91-18854
Shock-wave equation-of-state studies at Los Alamos
[DE91-005734] 10 p1606 N91-18861
Environment-induced superselection in cosmology
[DE91-005948] 10 p1611 N91-18888
Substorm features in MHD (magnetohydrodynamics) simulations of magnetotail dynamics
[DE91-007407] 10 p1624 N91-18958
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
Status of solar neutrino experiments
[DE91-007468] 10 p1625 N91-18964
Atomic oxygen effects on boron nitride and silicon nitride: A comparison of ground based and space flight data
11 p1660 N91-19146
Methane to methanol conversion by direct partial oxidation
[DE91-007352] 11 p1680 N91-19257
Assessing the impact of large-scale computing on the size and complexity of first-principles electromagnetic models
[DE91-007491] 11 p1694 N91-19333
Interferometry, streak photography, and stereo photography of laser-driven miniature flying plates
[DE91-007493] 11 p1708 N91-19405
Development of KrF lasers for inertial confinement fusion
[DE91-007349] 11 p1710 N91-19419
Excimer laser surface processing for tribological applications in metals and ceramics
[DE91-002324] 11 p1712 N91-19428
Texture and microstructure development in Al-2 percent Mg during high-temperature deformation
[DE91-007355] 11 p1722 N91-19480
Association of an auroral surge with plasma sheet recovery and the retreat of the substorm neutral line
[DE91-007351] 11 p1737 N91-19552
Predicted Bremsstrahlung generation by energetic electron beams
[DE91-007164] 11 p1797 N91-19858
Electromagnetic ion/ion cyclotron instability
[DE91-004841] 11 p1797 N91-19860
Quasi-molecular processes in dense plasmas
[DE91-007388] 11 p1803 N91-19899
Free energy simulation of grain boundary segregation the thermodynamics in Ni(3-x)Al(1+x)
[DE91-007473] 11 p1808 N91-19928
Origin of regularities in the redshift distributions of distant galaxies and quasars
[DE91-007889] 11 p1818 N91-19986
Effects of a giant impact on Uranus
11 p1822 N91-20012
Pulsed photothermal spectroscopy applied to lanthanide and actinide speciation
[DE91-007391] 12 p1867 N91-20258
High efficiency resonance ionization mass spectrometric analysis by external laser cavity enhancement techniques
[DE91-007494] 12 p1867 N91-20259
Ultra-wideband radar: Research and development considerations
[AD-A229882] 12 p1881 N91-20339
Recent laser experiments on the Aurora KrF/ICF laser system
[DE91-008607] 12 p1906 N91-20486
Vibration and shock response of the BEAR (Beam Experiment Aboard a Rocket) payload during launch
[DE91-007863] 12 p1915 N91-20534
Interaction of strategic defenses with crisis stability
[DE91-008480] 12 p1974 N91-20858
Interaction of strategic defenses with crisis stability
[DE91-009004] 12 p1974 N91-20859
Theoretical descriptions of neutron emission in fission
[DE91-008580] 12 p1979 N91-20890
Bosonic mechanism for high-temperature
[DE91-008592] 12 p1992 N91-20966
Notes on space, satellites, and survivability
[DE91-009229] 13 p2041 N91-21226
High-performance capillary electrophoresis of histones
[DE91-008585] 13 p2049 N91-21275
Deformation substructures induced by high-rate deformation
[DE91-008595] 13 p2051 N91-21288
Layer tracking asymptotics and domain decomposition
[DE91-008593] 13 p2081 N91-21462
Computer animation of NASTRAN displacements on IRIS 4D-series workstations: CANDI/ANIMATE postprocessing of NASHUA results
[DE91-008605] 13 p2105 N91-21585
Requirements for progressive strategic defenses
[DE91-008997] 13 p2145 N91-21812
Near-term boost-phase defense sensitivities
[DE91-008999] 13 p2145 N91-21813
Interaction of strategic defenses with crisis stability
[DE91-009002] 13 p2145 N91-21814
Strategic defense requirements for progressive applications
[DE91-009045] 13 p2145 N91-21816
Threat modernization in the near term
[DE91-009228] 13 p2145 N91-21817
Discrimination options in the near term
[DE91-009000] 13 p2146 N91-21818
Background issues for defensive interceptors
[DE91-009219] 13 p2146 N91-21819
Radiation dose calculations with the Monte Carlo method
[DE91-008582] 13 p2149 N91-21841
Superconducting Super Collider silicon tracking subsystem research and development
[DE91-009227] 13 p2152 N91-21862
Advanced, time-resolved imaging techniques for electron-beam characterizations
[DE91-008587] 13 p2152 N91-21865
Transient thermal analysis for photothermal spectroscopy using Zeeman interferometry
[DE91-009948] 14 p2244 N91-22415
Hybrid codes: Methods and applications
[DE91-009959] 14 p2258 N91-22493
Fast iterative technique for the calculation of frequency dependent gain in excimer laser amplifiers
[DE91-009965] 14 p2269 N91-22556
Polymeric-host sulforhodamine-B lasers: Doubled Nd:YAG pumped
[DE91-009955] 14 p2270 N91-22560
On the measurement of wind speeds in tornadoes with a portable CW/FM-CW Doppler radar
[DE91-008589] 14 p2291 N91-22671
Gruneisen-stress induced ablation of biological tissue
[DE91-009957] 14 p2298 N91-22702
Linking structure and function: Information processing in the brain
[DE91-009946] 14 p2300 N91-22711
STRAPP user's manual
[DE91-009846] 14 p2310 N91-22764
A neural network hybrid expert system
[DE91-009956] 14 p2310 N91-22765
SBI allocation between heavy and singlet missiles
[DE91-009859] 14 p2321 N91-22822
Coupled proton/neutron transport calculations using the S(sub N) and Monte Carlo methods
[DE91-009949] 14 p2326 N91-22849
Valence-fluctuation scenario for cuprate superconductivity: The finite-U pairing mechanism
[DE91-009953] 14 p2336 N91-22917
Quasi-two dimensional density of states and the isotope effect in the superconducting Cu oxides
[DE91-009969] 14 p2336 N91-22918
Re-analysis of photoemission data for CuO: Revision of the configuration-energy scheme for cuprate materials
[DE91-009952] 15 p2401 N91-23296

Electrodeposited coatings for diamond turning applications
[DE91-009950] 15 p2405 N91-23315
Distributed radar sensors for aircraft detection
[DE91-009845] 15 p2411 N91-23350
The statistical properties of electromagnetic fields with application to radiation and scattering
[DE91-007467] 15 p2411 N91-23351
A three-dimensional free-Lagrange code for multimaterial flow simulations
[DE91-002309] 15 p2424 N91-23428
An expanding grid photochemical model for visibility applications
[DE91-009947] 15 p2460 N91-23630
Robotics for recombinant DNA and human genetics research
[DE90-016440] 15 p2473 N91-23697
Information dynamics of self-programmable matter
[DE91-009954] 15 p2482 N91-23740
Use of a genetic algorithm to analyze robust stability problems
[DE91-005895] 15 p2483 N91-23742
Applications of neural networks to process control and modeling
[DE91-007389] 15 p2489 N91-23784
Los Alamos Science, Number 19, 1990
[DE91-009371] 15 p2502 N91-23855
Microstructure of epitaxial YBa2Cu3O7 thin films
[DE91-009951] 15 p2516 N91-23942
Fermi surface of YBCO by DHVA
[DE91-009963] 15 p2516 N91-23943
Strain release in GaAs/Ga(1-x)/In(x)As strained layer superlattices grown on (112) substrates
[DE91-009972] 15 p2516 N91-23944
Measurements of induced radioactivity in some LDEF samples 16 p2708 N91-24986
Distributed space platforms for remote sensing
[DE91-011047] 17 p2740 N91-25166
Two sensors for distributed satellite platforms
[DE91-011051] 17 p2741 N91-25169
Measurement of trace isotopes by photon burst mass spectrometry
[DE91-011397] 17 p2757 N91-25264
Practical noise control in electronic systems
[DE91-010947] 17 p2770 N91-25330
High-current relativistic klystron amplifier development for microsecond pulse lengths
[DE91-011409] 17 p2771 N91-25332
Low-temperature flow visualization of thermally-convecting liquid helium
[DE91-011383] 17 p2778 N91-25376
Radiation exposure and protection for moon and Mars missions
[DE91-011346] 17 p2823 N91-25599
FEHMN 1.0: Finite element heat and mass transfer code
[DE91-011347] 17 p2847 N91-25737
Evaluation of NASHUA/NASTRAN performance at Los Alamos
[DE91-011196] 17 p2860 N91-25816
Spacetime nonlocality and retardation in relativistic heavy-ion collisions
[DE91-011392] 17 p2861 N91-25824
A real-time longitudinal phase-space measurement technique for H(-) beams
[DE91-011412] 17 p2862 N91-25829
Connections between magnetism and superconductivity in UBe13 doped with thorium or boron
[DE91-011416] 17 p2873 N91-25894
Report on security issues in database systems
[DE91-011101] 17 p2887 N91-25962
UPD: A portable version-control program
[DE91-011046] 17 p2888 N91-25968
Discovery and characterization of lunar materials: An incomplete process 17 p2916 N91-26097
Investigation of a Hamiltonian with two sources of anisotropy: The Dzyaloshinskii-Moriya and single-size interactions
[DE91-011381] 18 p2952 N91-26292
Simulation of pore scale porous media flow using lattice gas methods
[DE91-004829] 18 p2986 N91-26484
Diagnostic studies of YBa2Cu3O(7-delta) laser ablation
[DE91-011382] 18 p2991 N91-26515
Tunable excimer lasers
[DE91-011399] 18 p2992 N91-26522
X ray-computed tomography for inspecting industrial parts
[DE91-011390] 18 p2997 N91-26554
Boost-phase kill versus midcourse discrimination: The grand inquisitor's solution
[DE91-011744] 18 p3055 N91-26871
An active particle accelerator
[DE91-011404] 18 p3062 N91-26915
Demonstration of liquid metal/fabric heat pipes
[DE91-008584] 19 p3162 N91-27485
Adaptive transfer functions
[DE91-009968] 19 p3173 N91-27544
Workshop on the Online Documentation in the Supercomputing Environment, Working Paper Conference
[PB91-164772] 19 p3217 N91-27779
Information theoretic derivation of network architecture and learning algorithms
[DE91-007552] 19 p3217 N91-27782
The perforamance of genetic algorithms on Walsh polynomials: Some anomalous results and their explanation
[DE91-008603] 19 p3218 N91-27783
Competing electron-electron/electron-phonon interactions and polyacetylene
[DE91-011389] 19 p3240 N91-27921
A parallel non-neural trigger tracker for the SSC
[DE91-008594] 19 p3243 N91-27938
Unifying the controlling mechanisms for the critical heat flux and quenching: The ability of liquid to contact the hot surface
[DE91-005946] 19 p3257 N91-28015
Using CNLS-NET (connectionist normalized local spline-network) to predict the Mackey-Glass chaotic time series
[DE91-007478] 19 p3257 N91-28016
Ground state Gamow-Teller strength in Ni-64(n,p)Co-64
[DE91-011437] 19 p3264 N91-28054
First results from the Soviet-American Gallium Experiment
[DE91-011384] 19 p3265 N91-28058
Air combat environment test and evaluation facility and the development of the offensive sensors laboratory
[DE91-011398] 20 p3286 N91-28173
Generating strong shock waves with a supersonic peristaltic pump
[DE91-013228] 20 p3287 N91-28174
Comparisons between fast shock tube calculations and tests
[DE91-013496] 20 p3287 N91-28177
Hypervelocity plate acceleration
[DE91-014738] 20 p3287 N91-28179
ZrO2 reinforced-MoSi2 matrix composites
[DE91-013074] 20 p3304 N91-28288
Direct Monte Carlo simulation of chemical equilibrium composition of molecular fluid mixtures under shock conditions
[DE91-013075] 20 p3310 N91-28324
Vibrational spectroscopy of shock-compressed liquid CO
[DE91-013204] 20 p3310 N91-28325
The pressure-induced Mott transition in transition-metal iodides
[DE91-013671] 20 p3318 N91-28366
Synthesis of metastable aluminum-based intermetallics by mechanical alloying
[DE91-013651] 20 p3319 N91-28376
Investigation of interlayer materials for the microwave joining of SiC
[DE91-013311] 20 p3325 N91-28414
Microwave enhanced diffusion?
[DE91-013312] 20 p3326 N91-28415
Reliable modeling of complex behavior
[DE91-013385] 20 p3326 N91-28419
Shock initiation of pentaerythritol tetranitrate crystals: Steric effects due to plastic flow
[DE91-013389] 20 p3326 N91-28420
SESAME equation of state number 7740: Polycarbonate
[DE91-013970] 20 p3329 N91-28436
Shock compression of DuPont detasheet at low stress
[DE91-013229] 20 p3330 N91-28443
The deflagration-to-detonation transition in granular HMX
[DE91-014591] 20 p3331 N91-28448
Supercritical fluids cleaning
[DE91-013374] 20 p3333 N91-28456
A geometry based method of integrated engineering design, analysis, and optimization
[DE91-008588] 20 p3333 N91-28457
Recovery of saturated video signals from vidicons by dynamic cathode biasing
[DE91-012402] 20 p3334 N91-28464
Design of a multivariable RF control system using gain-shaping in the frequency domain
[DE91-013859] 20 p3336 N91-28474
A high power Klystrode with potential for space application
[DE91-013046] 20 p3338 N91-28486
Modeling of a 1700-MHz cluster cavity of planar triodes
[DE91-013049] 20 p3338 N91-28488
Fields and trajectories in the magnicon
[DE91-013070] 20 p3339 N91-28492
Procyon experiments utilizing foil-fuse opening switches
[DE91-014605] 20 p3340 N91-28499
Moving finite elements: A continuously adaptive method for computational fluid dynamics
[DE91-013391] 20 p3343 N91-28513
Shock and reshock of an unstable fluid interface
[DE91-014737] 20 p3346 N91-28528
A microwave interferometer to measure particle and shock velocities simultaneously
[DE91-013077] 20 p3349 N91-28545
X ray generation by high irradiance exawatt/sq cm subpicosecond lasers
[DE91-013497] 20 p3350 N91-28556
Time-resolved emittance measurements of an excimer-laser-driven metal photocathode
[DE91-013066] 20 p3351 N91-28558
E-beam accelerator cavity development for the ground-based free electron laser
[DE91-013760] 20 p3352 N91-28563
H(-) beam characterization using laser-induced neutralization
[DE91-013501] 20 p3352 N91-28564
Performance of the photoinjector accelerator for the Los Alamos free-electron laser
[DE91-013682] 20 p3352 N91-28565
Short wavelength FELS
[DE91-013759] 20 p3352 N91-28566
Sphere lapping
[DE91-014287] 20 p3357 N91-28593
MESA: A 3-D Eulerian hydrocode for penetration mechanics studies
[DE91-013308] 20 p3360 N91-28613
Dynamic plasticity in transition from thermal activation to viscous drag
[DE91-013031] 20 p3361 N91-28617
Overdriven shocks in solids and liquids
[DE91-013370] 20 p3361 N91-28618
The DataShoP: A database of weak-shock constitutive data
[DE91-013349] 20 p3361 N91-28620
A study of the impact of reaction rates on equation of state
[DE91-013375] 20 p3361 N91-28621
Residual stress measurement using the pulsed neutron source at LANSCE
[DE91-013494] 20 p3362 N91-28624
Stress fields generated by kinetic energy projectile interaction with ceramic targets
[DE91-013687] 20 p3362 N91-28625
Neutron diffraction determination of the residual stress redistribution in cracked autofrettaged tubing
[DE91-013688] 20 p3363 N91-28632
A new model of rate dependent elastic-plastic flow
[DE91-014600] 20 p3364 N91-28633
Bauschinger effect during shock loading
[DE91-014606] 20 p3364 N91-28634
Shear stress prediction in shock loaded copper
[DE91-014740] 20 p3364 N91-28635
Quantum mechanical effects on the shock Hugoniot
[DE91-014750] 20 p3364 N91-28636
Equation of state and crushing dynamics of low-density silica aerogels
[DE91-014766] 20 p3364 N91-28637
Recent achievements in polymer electrolyte fuel cell (PEFC) research at Los Alamos National Laboratory
[DE91-013683] 20 p3369 N91-28661
Spontaneous emergence of a metabolism
[DE91-013684] 20 p3378 N91-28714
Plant growth is influenced by glutamine synthetase-catalyzed nitrogen metaboliism
[DE91-014592] 20 p3380 N91-28725
A new wake-potential calculation method using orthogonal polynomials
[DE91-013045] 20 p3392 N91-28799
Defending the defenders: Brilliant pebble defense against pop-up neutral particle beam suppression attacks
[DE91-012521] 20 p3394 N91-28809
Interceptor combinations for theater defense
[DE91-012990] 20 p3394 N91-28810
Antiproton-induced elastic and inelastic scattering at intermediate energies
[DE91-013068] 20 p3401 N91-28849
Optical analogs of model atoms in fields
[DE91-013392] 20 p3402 N91-28855
New techniques in neutron data measurements above 30 MeV
[DE91-013690] 20 p3403 N91-28861
Beam structure and transverse emittance studies of high-energy ion beams
[DE91-013499] 20 p3404 N91-28871
Progress in the development of a numerical tokamak
[DE91-013386] 20 p3422 N91-28975

Performance of the 10-kV, 5-MA pulsed-power system for the FRX-C compression experiment
[DE91-014745] 20 p3423 N91-28983
Quantitative modeling of the point defect structures of Fe-doped MgO and MgSiO3 perovskite
[DE91-011405] 20 p3424 N91-28990
Growth of high T(sub c) superconducting thin films for microwave applications
[DE91-011436] 20 p3424 N91-28991
Epitaxial growth of silicon on CoSi2(001)/Si(001)
[DE91-013387] 20 p3428 N91-29015
Shock initiation of pentaerythritol tetranitrate crystals: Optical absorption and emission studies
[DE91-013381] 20 p3429 N91-29023
Ab initio cluster studies of La2CuO4
[DE91-013520] 20 p3430 N91-29025
Kinetics of solid-state reactions in Ni-Zr thin films
[DE91-013652] 20 p3430 N91-29028
Metastable phase equilibria in co-deposited Ni(1-x)Zr(x) thin films
[DE91-013653] 20 p3430 N91-29029
Doping and pressure study of U3Sb4Pt3
[DE91-013669] 20 p3431 N91-29033
Application of muon spin relaxation experiment to the mixed state superconductors
[DE91-013689] 20 p3431 N91-29034
The derivation of effective spin Hamiltonians and the origin of the magnetic field induced transition in orthormbic La2CuO4
[DE91-013743] 20 p3431 N91-29035
Overview of the status of and prospects for high-T(sub c) wire and tape development
[DE91-014609] 20 p3433 N91-29045
Pressure dependence of the Curie-temperature in the Kondo-lattice-compound YbNiSn
[DE91-013672] 20 p3433 N91-29046
Application of muon spin relaxation experiment to the vortex dynamics of high temperature superconductors
[DE91-014607] 20 p3434 N91-29050
Nonlinear modeling of chaotic time series: Theory and applications
[DE91-013076] 20 p3435 N91-29055
Complex dynamics of the integer quantum Hall effect
[DE91-013383] 20 p3435 N91-29058
Nuclear data needs for the space exploration initiative
[DE91-013231] 21 p3462 N91-29200
Supersonic combustion of a transverse injected H2 jet in a radio frequency heated flow
[DE91-014739] 21 p3476 N91-29281
Thermophysical properties of POCO AXF-5Q graphite up to melting
[DE91-014751] 21 p3485 N91-29334
REX: A 5-MV pulsed-power source for driving high-brightness electron beam diodes
[DE91-014604] 21 p3503 N91-29443
Effects of doping on hybridization gapped materials
[DE91-014611] 21 p3508 N91-29477
Computational simulations of plasma flow switches and imploding loads
[DE91-014768] 21 p3509 N91-29480
Shock acceleration with turbulence minimization
[DE91-014741] 21 p3513 N91-29505
A slit aperture for the Monitoring X ray Experiment (MOXE)
[DE91-013317] 21 p3518 N91-29538
Full-field Fabry-Perot interferometer
[DE91-014610] 21 p3518 N91-29540
VISAR: Line-imaging interferometer
[DE91-014749] 21 p3519 N91-29542
Measurement of longitudinal emittance growth using a laser-induced neutralization method
[DE91-013500] 21 p3522 N91-29560
Low-jitter, high-voltage, infrared, laser-triggered, vacuum switch
[DE91-014602] 21 p3522 N91-29562
Ablation of material by front surface spallation
[DE91-014773] 21 p3522 N91-29563
Kinetics of dark reaction in chemical laser gases
[DE91-015320] 21 p3525 N91-29579
Effects of anisotropy on dynamic tensile behavior
[DE91-014748] 21 p3533 N91-29632
Limitations to the method of power spectrum analysis: Nonstationarity, biased estimators, and weak convergence to normality
[DE91-008583] 21 p3564 N91-29812
On satellite constellation selection
[DE91-014562] 21 p3570 N91-29851
Development of reflective optical systems for XUV projection lithography
[DE91-013167] 21 p3580 N91-29915
Future explosive pulse-power technology for high-energy plasma physics experiments
[DE91-014601] 21 p3587 N91-29951
Plasma and electrical diagnostics for Procyon experiments
[DE91-014736] 21 p3587 N91-29952
Procyon experiments utilizing explosively-formed fuse opening switches
[DE91-014742] 21 p3587 N91-29953
Plasma flow switch experiments on the Pegasus facility
[DE91-014744] 21 p3587 N91-29954
Computational modeling of the Trailmaster Procyon system
[DE91-014765] 21 p3587 N91-29955
Growth condition dependence of RHEED pattern from GaAs(111)B surface
[DE91-014770] 21 p3593 N91-29986
Anisotropic spin susceptibility of the (Y,Ca),(Ba, La)2Cu4O8 system
[DE91-014593] 21 p3600 N91-30032
Supercoherent states and physical systems
[DE91-014598] 21 p3602 N91-30040
Comparison of four methods for aggregating judgments from multiple experts
[DE91-013522] 21 p3602 N91-30043
Radio Frequency (RF) heated supersonic flow laboratory
[DE90-012099] 22 p3623 N91-30157
Texture development in Cu-W composites
[DE91-013388] 22 p3643 N91-30273
High performance computing and communications: Investment in American competitiveness
[DE91-010975] 22 p3658 N91-30361
Measurement of molybdenum mirror reflectivities
[DE91-013318] 22 p3754 N91-30927
An investigation of dual-mode operation of a nuclear-thermal rocket engine
[DE91-015977] 23 p3803 N91-31210
A review of the Los Alamos effort in the development of nuclear rocket propulsion
[DE91-016036] 23 p3803 N91-31211
Water transport properties of fuel cell ionomers
[DE91-016015] 23 p3811 N91-31259
Dynamic strength and strain rate effects on fracture behavior of tungsten and tungsten alloys
[DE91-013029] 23 p3814 N91-31275
Influence of loading rate on the mechanical response and substructure evolution of shock-loaded copper
[DE91-013390] 23 p3814 N91-31276
Model description of transition metals using the rotated second moment approximation
[DE91-016043] 23 p3816 N91-31287
Finite element modeling of orthogonal machining using an elastic-viscoplastic material model
[DE91-016815] 23 p3852 N91-31477
Abstracts of papers presented at the First Los Alamos Symposium on Ultra-Wideband Radar
[DE91-015976] 23 p3855 N91-31491
High-speed TV cameras for streak tube readout
[DE91-016081] 23 p3873 N91-31602
Circular format zig-zag scanning of vidicon tubes
[DE91-016084] 23 p3874 N91-31610
Comparison of integrated numerical experiments with accelerator and FEL experiments
[DE91-016071] 23 p3878 N91-31639
Compact free-electron laser at the Los Alamos National Laboratory
[DE91-016079] 23 p3879 N91-31640
Anelastic release from the shock-compressed state
[DE91-009961] 23 p3884 N91-31672
Pressure-strain-temperature relationship in shock loaded cylindrical samples of 304 stainless steel
[DE91-013379] 23 p3884 N91-31673
A Weibull brittle material failure model for the ABAQUS computer program
[DE91-016813] 23 p3887 N91-31690
Small satellite radiometric measurements
[DE91-016308] 23 p3887 N91-31694
Pseudohomogeneous catalyst layer model for polymer electrolyte fuel cell
[DE91-016014] 23 p3890 N91-31710
Electrochemical energy storage using PEM systems
[DE91-016020] 23 p3890 N91-31711
Developing dataflow algorithms
[DE91-016300] 23 p3909 N91-31818
Local area gigabit networking
[DE91-014780] 23 p3916 N91-31869
An application of neural networks to process and materials control
[DE91-016016] 23 p3918 N91-31886
Comparison of noise reduction systems
[DE91-015318] 23 p3925 N91-31929
Optically pumped polarized ion sources
[DE91-016086] 23 p3925 N91-31932
Intrinsic neutron source strengths in uranium solutions
[DE91-016091] 23 p3925 N91-31933
Progress in the SP-100 FSQ reactor development
[DE91-016033] 23 p3926 N91-31940
Carbide fuels for nuclear thermal propulsion
[DE91-016032] 23 p3927 N91-31945
Computational model for deterministic chaos in a magnetically confined plasma
[DE91-016022] 23 p3929 N91-31955
An interparticle collision model for electromagnetic hybrid simulations of high density plasmas
[DE91-016025] 23 p3929 N91-31958
Weak links within a Bi2Sr2Ca1Cu2O(x) single crystal by magnetization and direct optical observations
[DE91-016085] 23 p3933 N91-31979
The application of time-resolved luminescence spectroscopy to a remote uranyl sensor
[DE91-016310] 24 p3972 N91-32189
The new metals and alloys compilation, a powerful materials analysis tool
[DE91-016199] 24 p3976 N91-32208
De Haas van Alphen effect in high temperature superconductors
[DE91-016198] 24 p4006 N91-32397
Rate effects of standard and high strip current Microchannel Plate Image Intensifiers (MCPIIs)
[DE91-016196] 24 p4007 N91-32407
Determining finite volume elements for the 2D Navier-Stokes equations
[DE91-016028] 24 p4016 N91-32452
Small signal gain for parabolic profile beams in free electron lasers
[DE91-016236] 24 p4022 N91-32478
Applications of synchroscan and dual-sweep streak camera techniques to free-electron laser experiments
[DE91-016017] 24 p4022 N91-32479
Laser-based diagnostics for density, temperature, velocity, and dissociation fraction in high temperature hydrogen flows
[DE91-016323] 24 p4022 N91-32480
Interferometric results from Boeing grazing incidence ring resonator FEL
[DE91-016305] 24 p4023 N91-32484
Spontaneous emission from free electron lasers
[DE91-017820] 24 p4024 N91-32491
The Los Alamos photoinjector-driven free-electron laser
[DE91-017824] 24 p4025 N91-32492
Simulation of APLE photoinjector
[DE91-018048] 24 p4025 N91-32493
Modeling water content effects in polymer electrolyte fuel cells
[DE91-016027] 24 p4040 N91-32573
Quality assurance of field screening
[DE91-016303] 24 p4041 N91-32582
Mexico City air quality research initiative: An overview and some statistical aspects
[DE91-018045] 24 p4043 N91-32590
Present and future supercomputer network architectures
[DE91-018035] 24 p4091 N91-32855
What's happening with supercomputer networks?
[DE91-018036] 24 p4091 N91-32856
Empirical results of a hybrid Monte Carlo method for the solution of Poisson's equation
[DE91-016240] 24 p4092 N91-32863
Inconsistencies with the single impurity Undersign model in photoelectron spectra of cerium heavy fermion compounds
[DE91-016239] 24 p4095 N91-32878
Measurements of induced radioactivity in some LDEF samples
[DE91-016309] 24 p4095 N91-32882
International workshop on cold neutron sources
[DE91-017559] 24 p4097 N91-32891
X ray absorption fine structure of systems in the anharmonic limit
[DE91-016070] 24 p4097 N91-32892
Giant resonances in single and double charge exchange
[DE91-017822] 24 p4098 N91-32900
Single- and double-charge exchange at low pion energies
[DE91-017829] 24 p4099 N91-32901
A pulsed lepton source at LAMPF
[DE91-016010] 24 p4099 N91-32904
Advanced high brightness ion RF accelerator applications in the nuclear energy
[DE91-016075] 24 p4099 N91-32905
Review of the heavy ion physics sessions
[DE91-017828] 24 p4101 N91-32912
Radiation-induced attenuation of high-OH optical fibers after hydrogen treatment in the presence of ionizing radiation
[DE91-016093] 24 p4102 N91-32921
Further development of IDGS: Isotope dilution gamma-ray spectrometry
[DE91-016315] 24 p4104 N91-32936
The promise of magnetized fuel: High gain in inertial confinement fusion
[DE91-016321] 24 p4105 N91-32937

A new variational formulation of kinetic plasma theory and the application of moving finite elements
[DE91-016072] 24 p4105 N91-32938
Radiation hardening of diagnostics
[DE91-018039] 24 p4107 N91-32953
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959
High pressure Moessbauer spectroscopy in diamond anvil cells
[DE91-016018] 24 p4108 N91-32961
Solar particle events during the rising phase of solar cycle 22
[DE91-016042] 24 p4124 N91-33049

LOS ALAMOS SCIENTIFIC LAB., NM.
Computer animation of NASTRAN displacements on IRIS 4D-series workstations: CANDI/ANIMATE postprocessing of NASHUA results
12 p1912 N91-20514

LOUGHBOROUGH UNIV. OF TECHNOLOGY (ENGLAND).
A review of navigational techniques employed in cruise missiles and a proposed alternative solution
[ETN-90-98219] 03 p0311 N91-11744
Supervisory control for adaptative controlled processes
[ETN-90-98218] 03 p0409 N91-12287
Airport stand assignment model
[TT-9009] 05 p0618 N91-13426
UK airlines' cost structure and implications of air transport services fragmentation. Research report on air transport fragmentation
[TT-9011] 05 p0618 N91-13427
Frontogenesis in gravity currents: The effect of endwalls and diffusion
[MATHS-REPT-A-127] 05 p0660 N91-13666
A generalized Polak-Ribiere algorithm
[MATHS-REPT-A-128] 05 p0703 N91-13918
On unconstrained conjugate gradient optimization methods and their interrelationships
[MATHS-REPT-A-129] 05 p0703 N91-13919
Projected quasi-Newton updates
[MATHS-REPT-A-135] 05 p0703 N91-13920
Robust variable structure control of model reference systems
[MATHS-REPT-A-131] 05 p0708 N91-13947
On hyperplane design techniques for discrete-time variable structure control systems
[MATHS-REPT-A-133] 05 p0708 N91-13948
A global convergence result for conjugate gradient methods
[MATHS-REPT-A-134] 05 p0710 N91-13961
Electronically controlled fuel injection for diesel engines
[TT-9012] 07 p1010 N91-15543
Jet engine performance estimation from minimal input data
[ETN-91-98582] 08 p1097 N91-16023
An introduction to modern aero-engine control design
[ETN-91-98583] 08 p1097 N91-16024
Longitudinal stability augmentation of a lightweight fighter aircraft model
[ETN-91-98585] 08 p1098 N91-16026
A paper-assessment of the performance of a modern airborne multi-mode pulse Doppler radar deployed as a ground-based fire-control radar
[ETN-91-98584] 08 p1130 N91-16215
Electronically steerable arrays: Current and future technology and applications
[ETN-91-98581] 08 p1136 N91-16254
A general approach to growth curves and repeated measurements
[MATHS-REPT-A-136] 10 p1580 N91-18695
Is vacuum Quadratic Poincare Gauge Field Theory a viable gauge theory of gravitation
[MATHS-REPT-A-137] 10 p1611 N91-18891
On the structure of polynomial models of 2-D systems
[MATHS-REPT-A-139] 15 p2494 N91-23812
On 2+1-dimensional nonlinear integrable systems of Loewner-type
[MATHS-REPT-A-140] 15 p2494 N91-23813
A review of UK aviation policy
[TT-9107] 22 p3609 N91-30076
Colliding plane wave space-times
[MATHS-REPT-A-145] 22 p3708 N91-30636
Pole assignment by output feedback: A review
[MATHS-REPT-A-142] 22 p3741 N91-30844
On optimally and near-optimally conditioned quasi-Newton updates
[MATHS-REPT-A-141] 22 p3745 N91-30872
Airborne ESM receivers: Techniques and technologies
[ETN-91-99988] 23 p3856 N91-31498
A family of optimally conditioned quasi-Newton updates for unconstrained optimization
[MATHS-REPT-A-143] 24 p4083 N91-32807
An r-matrix approach to nonstandard classes of integrable equations
[MATHS-REPT-A-149] 24 p4092 N91-32861

LOUISIANA COLL., PINEVILLE.
A high-fidelity satellite ephemeris program for Earth satellites in eccentric orbits 10 p1634 N91-19012

LOUISIANA STATE UNIV., BATON ROUGE.
Convergence of Langevin simulation for complex Gaussian integrals
[DE90-017402] 01 p0114 N91-10665
Research in elementary particle physics
[DE90-017278] 01 p0120 N91-10708
Fine scale velocity measurements in a turbulent jet in a confined crossflow 02 p0157 N91-10909
Color flux distribution in pure SU(2) Lattice Gauge Theory
[DE90-017403] 02 p0280 N91-11574
Polarized radiation from inhomogeneous shocks
02 p0297 N91-11662
A critical review of charged particle astronomy at Saturn: The evidence for co-orbiting material in the inner satellite system
[NASA-CR-187348] 05 p0732 N91-14090
Using tilted-ring models and numerical hydrodynamics to study the structure, kinematics and dynamics of HI disks in galaxies 08 p1243 N91-16851
Proceedings of a workshop on Northern Gulf of Mexico Environmental Studies Planning
[PB90-259805] 09 p1359 N91-17471
The structure of nuclei far from beta stability
[DE91-008140] 11 p1795 N91-19846
Electric monopole transitions and shape coexistence in nuclei
[DE91-008141] 11 p1795 N91-19847
The effects of fuel additives on soot formation
[AD-A230633] 12 p1878 N91-20325
A technique for feature labeling in infrared oceanographic images
[AD-A229909] 12 p1926 N91-20600
Theoretical studies of highly energetic CBES materials
[AD-A231340] 13 p2058 N91-21329
Database constraint enforcement: A decompositional approach 15 p2523 N91-23980
Sensitive cryogenic transducer development and analysis for use on gravity wave detectors
15 p2528 N91-24009
Spectra, composition and interactions of nuclei above 10 TeV using magnet-interferometric chambers (SCIN/MAGIC)
[NASA-CR-188218] 16 p2682 N91-24846
Cosmic ray positron research and silicon track detector development
[NASA-CR-187708] 19 p3265 N91-28059
A new approach to analyzing high-resolution aerial photographs of urban areas 20 p3366 N91-28647

LOUISIANA STATE UNIV., NEW ORLEANS.
Metabolic changes and hemodynamic dysfunction following hypothermic shock
[AD-A233942] 18 p3027 N91-26713

LOUISVILLE UNIV., KY.
Mechanism of hydrodenitrogenation. Part 4: Infrared spectroscopy of acidic molybdena catalysts
[DE91-002496] 06 p0804 N91-14440
Metallocarboxylate chemistry
[DE91-006313] 10 p1496 N91-18235
Cosmos: 1989 immunology studies
[NASA-CR-188046] 11 p1763 N91-19701
Mechanism of hydrodenitrogenation. Part 5: X ray diffraction of molybdenum catalysts
[DE91-013853] 20 p3311 N91-28327

LOVELACE BIOMEDICAL AND ENVIRONMENTAL RESEARCH INST., ALBUQUERQUE, NM.
Biophysical and biomathematical adventures in radiobiology
[DE91-017484] 24 p4072 N91-32750
The relevance of animal bioassays to assess human health hazards to inorganic fibrous materials
[DE91-017516] 24 p4075 N91-32770

LOVELACE SCIENTIFIC RESOURCES, INC., ALBUQUERQUE, NM.
Engineering, construction, and operations in space
17 p2755 N91-25247

LOWELL OBSERVATORY, FLAGSTAFF, AZ.
Some insights on solar variability from precision stellar astronomical photometry 03 p0440 N91-12458
Ionized interstellar froth in irregular galaxies
05 p0745 N91-14152
The diffuse ionized interstellar medium perpendicular to the plane of NGC 891 05 p0746 N91-14160
Observations of extended and counterrotating disks of ionized gas in S0 galaxies 05 p0752 N91-14187
Photometric narrowband CCD imaging of comets P/Brorsen-Metcalf and Austin (1989c1)
12 p2001 N91-21014
Chiron: Evidence for historic cometary activity
17 p2892 N91-25988
The 15 years of comet photometry: A comparative analysis of 80 comets 17 p2896 N91-26004

LOWELL UNIV., MA.
Synthesis and characterization of electroactive polymers based on pyrrole
[AD-A226324] 04 p0507 N91-12819
Far infrared dielectric properties of polypyrrole doped with the tosylate anion
[AD-A226326] 04 p0507 N91-12820
Computer simulation of substituted polyacatylenes
[AD-A226328] 04 p0508 N91-12821
Design synthesis and characterization of novel polydiacetylenes using new analytical technique
[AD-A226416] 04 p0509 N91-12826
Studies on relaxation behavior of corona poled aromatic dipolar molecules in a polymer matrix
[AD-A226512] 04 p0509 N91-12827
Polyheterocycle Langmuir-Blodgett film
[AD-A226513] 04 p0509 N91-12828
Comb-like polymers containing NLO active pendant groups
[AD-A226514] 04 p0509 N91-12829
Nonlinear optical spectroscopy of polymers
[AD-A226515] 04 p0509 N91-12830
A strategy for the development of macromolecular nonlinear optical materials
[AD-A226325] 04 p0583 N91-13251
Dynamics simulation of Langmuir-Blodgett films
[AD-A226327] 04 p0590 N91-13293
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A226674] 05 p0640 N91-13553
Approaches to the design of a novel macromolecular system with tailored optical properties
[AD-A226952] 06 p0812 N91-14485
Nonlinear optics and organic materials
[AD-A226953] 06 p0873 N91-14831
Thin film single crystal growth of a nonlinear optical polymer
[AD-A227692] 08 p1235 N91-16807
The application of an efficient rectangular finite element to the modeling of nonlinear electrothermal memory switching structures 09 p1394 N91-17670
Modeling and design for a new ionospheric modification experiment 10 p1549 N91-18523
Digisonde at sondrestrom to monitor the ionospheric polar cap and cusp region
[AD-A230705] 12 p1924 N91-20584
Super-micro computer weather prediction model
[AD-A230063] 12 p1925 N91-20592
Results of a high power oblique incidence HF ionospheric modification experiment
[AD-A231893] 14 p2257 N91-22482
Non-specular scattering from roughened aluminum surfaces
[AD-A231824] 14 p2269 N91-22553
Meteor scatter communication between Thule and Station Nord, Greenland
[AD-A234440] 18 p2975 N91-26424
Technique for measuring ionospheric irregularities generated by high power oblique HF heating of the F-region
[AD-A233863] 18 p3011 N91-26627
ARTIST tape output formats
[AD-A235173] 18 p3012 N91-26633
Molecular design of stable second order nonlinear optical polymers
[AD-A235748] 19 p3138 N91-27341
Optimized processing condition for a photocrosslinkable stable nonlinear optical polymer
[AD-A235754] 19 p3138 N91-27342
Design and synthesis of a new class of photocrosslinkable nonlinear optical polymers
[AD-A235852] 19 p3139 N91-27345
Second harmonic properties of aromatic Schiff's bases functionalized in the side chains of polymethylmethacrylate
[AD-A235857] 19 p3139 N91-27346
The monomolecular organization of a photodynamic protein system through specific surface recognition of streptavidin to biotinylated LB films
[AD-A235859] 19 p3139 N91-27348
Optical characterization and patterning of nonlinear optical polymers with photocrosslinking groups
[AD-A235861] 19 p3140 N91-27349
Optical and electro-optical properties of a photocross-linkable polymer
[AD-A235903] 19 p3140 N91-27350
A new approach to design of cross-linked second-order nonlinear optical polymers
[AD-A235962] 19 p3140 N91-27352
A high resolution statistical characterization of fading on meteor communication channels
[AD-A235548] 19 p3149 N91-27407

A comparison of manual scaled and predicted foE and foF1 critical frequencies
[AD-A235551] 19 p3199 N91-27685
Ionospheric characteristics for archiving at the world data centers
[AD-A236645] 19 p3200 N91-27690
Molecular dynamics simulation of substituted polyacetylenes
[AD-A235853] 19 p3242 N91-27928
Steady state and transient photoconductivity of thin film polydiacetylene single crystals
[AD-A235854] 19 p3252 N91-27990
Photo-induced charge carrier generation in thin film polydiacetylene single crystals
[AD-A235860] 19 p3252 N91-27991
Photocross-linked second order nonlinear optical polymers
[AD-A235855] 20 p3321 N91-28385
New photocrosslinkable polymers for second order nonlinear optical processes
[AD-A235856] 20 p3321 N91-28386
A study of the buckling and vibration behavior of an initially stressed thick plate by Galerkin's method
20 p3365 N91-28641
Design, synthesis and characterization of novel polydiacetylenes using new analytical techniques
[AD-A237362] 21 p3487 N91-29348

LOYOLA COLL., BALTIMORE, MD.
JTEC panel report on space and transatmospheric propulsion technology
[NASA-CR-187670] 09 p1300 N91-17134

LOYOLA UNIV., CHICAGO, IL.
Viscosity methods in optimal control of distributed systems. The Bellman equation
[AD-A234646] 18 p3045 N91-26812
Auditory processing of complex sounds across frequency channels
[AD-A238023] 21 p3572 N91-29862

LUDWIG-MAXIMILIANS-UNIV., MUNICH (GERMANY, F.R.).
Electrodynamic arrow of time and cosmology
[ETN-90-98188] 04 p0609 N91-13388
Formation and development of elliptical and dwarf galaxies
[ETN-91-98492] 09 p1265 N91-16967

LUFTFAHRT-BUNDESAMT, BRUNSWICK (GERMANY, F.R.).
Certification process for aeroplane type Dornier Do 328 03 p0310 N91-11737

LUNAR AND PLANETARY INST., HOUSTON, TX.
Proceedings of a Workshop on Cosmogenic Nuclide Production Rates
[NASA-CR-185349] 05 p0734 N91-14096
Abstracts for the International Workshop on Meteorite Impact on the Early Earth
[NASA-CR-185355] 05 p0734 N91-14099
Proceedings of the MEVTV Workshop on The Evolution of Magma Bodies on Mars
[NASA-CR-187357] 05 p0766 N91-14252
Twenty-Second Lunar and Planetary Science Conference
[NASA-CR-187971] 11 p1820 N91-19995
Scientific results of the NASA-sponsored study project on Mars: Evolution of volcanism, tectonics, and volatiles
[NASA-CR-188056] 14 p2347 N91-22984
Obliquity histories of Earth and Mars: Influence of inertial and dissipative core-mantle coupling
14 p2348 N91-22987
Martian crater counts on Elysium Mons
14 p2350 N91-22996
Possible Aeolian megaripples on Mars
14 p2352 N91-23008
Preliminary geologic mapping near the Nilosyrtis Mensae, Mars 14 p2352 N91-23009
Abstracts for the International Conference on Asteroids, Comets, Meteors 1991
[NASA-CR-188609] 17 p2891 N91-25982
He-3 and other lunar volatiles
17 p2905 N91-26046
Workshop on Production and Uses of Simulated Lunar Materials
[NASA-CR-188606] 17 p2916 N91-26101

LUND INST. OF TECH. (SWEDEN).
Sampling and characterization of aerosols
[LUNDD/TMAT-90/2002] 13 p2048 N91-21269

LUND OBSERVATORY (SWEDEN).
Stellar activity cycles 09 p1429 N91-17868
The distant future of solar activity: A case study of beta Hydri 09 p1436 N91-17915
Enhancing IUE spectrophotometry: A case study of Beta Hydri 09 p1447 N91-17982

LUND UNIV. (SWEDEN).
Pre-equilibrium emission and multifragmentation in heavy ion collisions
[LUIP-8902] 01 p0119 N91-10705

LYNNTECH, INC., BRYAN, TX.
Oxidation and wear resistant carbon-carbon composites
[AD-A238475] 22 p3644 N91-30279

LYON-1 UNIV. (FRANCE).
High resolution spectroscopy of NF and BiF
[AD-A233032] 16 p2598 N91-24397

LYON-1 UNIV., VILLEURBANNE (FRANCE).
Volume regulating hormones, fluid and electrolyte modifications during the Aragatz Mission (Mir station)
11 p1761 N91-19689

M

M L ENERGIA, INC., PRINCETON, NJ.
Infrared multiphoton ignition and combustion enhancement of natural gas
[PB91-144584] 16 p2597 N91-24392

MACQUARIE UNIV., NORTH RYDE (AUSTRALIA).
New palaeomagnetic results from the Amadeus Basin and their implications for stratigraphy and tectonics
19 p3196 N91-27670

MADISON MAGNETICS, INC., WI.
Magnetic suspension and balance system advanced study, phase 2
[NASA-CR-4327] 05 p0625 N91-13463
Magnetic suspension and balance system advanced study, 1989 design 13 p2036 N91-21197
Large gap magnetic suspension system
13 p2037 N91-21201

MAGELLAN PETROLEUM AUSTRALIA LTD., BRISBANE.
Sedimentation and tectonics in the northeastern and central Amadeus Basin, central Australia
19 p3193 N91-27653
Recognition of a fluvial facies in the Pacoota Sandstone and its implications for petroleum exploration
19 p3195 N91-27666
Petroleum exploration in the Amadeus Basin
19 p3197 N91-27675
The Palm Valley Gas Field, Amadeus Basin, central Australia 19 p3198 N91-27676

MAGNAVOX CO., FORT WAYNE, IN.
SATURN: The next generation radio for NATO
16 p2615 N91-24475

MAINE UNIV., ORONO.
Gulf of Maine sea surface topography from GEOSAT altimetry 02 p0227 N91-11271
Interface-state measurements of GaAs Schottky barriers using admittance techniques: Relationship to barrier height instability
[AD-A225459] 03 p0361 N91-12022
A model for solventless PMDA/ODA polyamic acid: Consequences for the reactivity of polyamic acid with metals
[AD-A225818] 04 p0501 N91-12780
Interaction of copper with a vapor deposited polyimide film
[AD-A225819] 04 p0501 N91-12781
Properties and adhesion of polyimides in microelectronic devices
[AD-A225728] 04 p0506 N91-12813
Vapor deposition of polyimide and polyimide precursors on copper
[AD-A225729] 04 p0507 N91-12814
Interfacial chemistry of titanium films deposited on PMDA-ODA polyimide
[AD-A225730] 05 p0640 N91-13550
A combined N-body and hydrodynamic code for modeling disk galaxies 05 p0763 N91-14241
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States
[PB91-100164] 09 p1358 N91-17464
Structure, adhesion, and stability of metal/oxide and oxide/oxide interfaces
[DE91-006981] 10 p1609 N91-18878
Late Wisconsin and early holocene glacial history, inner Ross Embayment, Antarctica 18 p3002 N91-26577
Effect of excess oxydianiline on the properties of polyimide
[AD-A237467] 21 p3488 N91-29351
Properties and adhesion of polyimides in microelectronic devices
[AD-A238204] 21 p3490 N91-29364
Comparison between the interfacial chemistry of metallized polyimides and polyimide
[AD-A238400] 21 p3490 N91-29366
Surface structure and surface order
[AD-A237466] 21 p3595 N91-30001

MAINSTREAM ENGINEERING CORP., ROCKLEDGE, FL.
Thermodynamic properties of refrigerant mixtures
[AD-A230520] 12 p1993 N91-20970

MAINZ UNIV. (GERMANY, F.R.).
Ocular roll under changing z-axis acceleration and neck position 11 p1742 N91-19580

MAN-MADE SYSTEMS CORP., ELLICOTT CITY, MD.
Development of a test-bed for real-time monitoring of pilot mental status 08 p1194 N91-16563

MANAGEMENT SERVICES, INC., HUNTSVILLE, AL.
Chronology: MSFC Space Station program, 1982 - present. Major events
[NASA-CR-184014] 06 p0933 N91-15119
Chronology: MSFC Space Shuttle program development, assembly, and testing major events (1969 - April, 1981)
[NASA-CR-184013] 06 p0933 N91-15120
Historical annotated bibliography: Space Station documents
[NASA-CR-184012] 07 p1086 N91-15974

MANCHESTER COLL. OF SCIENCE AND TECHNOLOGY (ENGLAND).
Grain growth, optical polarisation, and extinction in interstellar clouds 06 p0897 N91-14959
HF systems operating beneath the ionosphere
24 p3982 N91-32244
Comparison of lightning location data and polarisation radar observations of clouds 24 p4065 N91-32710

MANCHESTER UNIV. (ENGLAND).
Core-dominated radio sources and the unified scheme
01 p0142 N91-10835
The detection of atmospheric vapours using optical waveguide sensors 03 p0434 N91-12430
Polarization radar studies of precipitation: Implementation of the technique and data interpretation
[AD-A227073] 06 p0849 N91-14690
Interstellar chemistry and submillimetre astronomy
13 p2177 N91-22021
Introduction to the Modeling of Turbulence: Introduction 23 p3865 N91-31552
Two-equation models for high-Reynolds-number flow
23 p3865 N91-31553
Two-equation models for low-Reynolds number flow
23 p3865 N91-31554
An introduction to second moment closure
23 p3865 N91-31555
Inclusion of second-moment closures into finite-volume solvers 23 p3865 N91-31556
Numerical implementation and performance of Reynolds stress closures in finite-volume computations of recirculating and strongly swirling flows
23 p3866 N91-31557
Body force effects on turbulence
23 p3866 N91-31558
Application of second-moment closure in complex flows 23 p3866 N91-31559
A new form of second-moment closure
23 p3866 N91-31560
An introduction to single-point closure methodology
23 p3866 N91-31561
Developments in medical audit in hospitals in the National Health Service
[ETN-91-99984] 23 p3899 N91-31762
A study of the logistics function within a medium sized, sales oriented chemical company
[ETN-91-99983] 23 p3934 N91-31987

MANKATO STATE COLL., MN.
BATSE software for the analysis of the gamma ray burst spatial distribution 10 p1629 N91-18984
Mathematical modeling of the flow field and particle motion in a rotating bioreactor at unit gravity and microgravity 18 p3092 N91-27092

MANTECH ENVIRONMENTAL TECHNOLOGY, INC., CORVALLIS, OR.
Predicting and forecasting surface water acidification: A plan for assessing data aggregation effects
[PB91-182451] 22 p3703 N91-30609

MANTECH ENVIRONMENTAL TECHNOLOGY, INC., RESEARCH TRIANGLE PARK, NC.
Ecological exposure and effects of airborne toxic chemicals: An overview
[PB91-148460] 18 p3005 N91-26594
Regression on medians of probability distributions
[PB91-177006] 22 p3747 N91-30882

MANUEL (LAWRENCE R.), BERKELEY, CA.
Superaromatics: The key to a unified cosmic dust theory 06 p0905 N91-14999

MANUFACTURING AND TECHNOLGY CONVERSION INTERNATIONAL, INC., COLUMBIA, MD.
Production of low-cost hydrogen
[DE91-005669] 09 p1320 N91-17247

MARATHON OIL CO., LITTLETON, CO.
Hydrogen sulfide decomposition into hydrogen and sulfur by quinone cycles
[PB90-270463] 09 p1307 N91-17173

MARCOL COMPUTER SYSTEMS LTD., DARMSTADT (GERMANY, F.R.).
PRODIS: Station and product generation control for ERS-1 14 p2211 N91-22215
Ulysses spacecraft control and monitoring software
14 p2218 N91-22261

MSCC console demonstrator project
14 p2222 N91-22284
MARCONI ELECTRONIC DEVICES LTD., LINCOLN (ENGLAND).
Simulation of radiation induced circuit failure modes in SOS integrated circuits 24 p3999 N91-32351
SOS material improvement for post total dose, radiation induced leakage reduction 24 p3999 N91-32353
MARCONI SPACE SYSTEMS LTD., PORTSMOUTH (ENGLAND).
The use of optical methods for microwave signal distribution and control 07 p0943 N91-15168
MARDON (AUSTIN ALBERT), LETHBRIDGE (ALBERTA).
Commercial aspects of the Long March launch system [PB91-135970] 16 p2564 N91-24215
International standardization in space systems [PB91-135988] 16 p2680 N91-24839
MARINE BIOLOGICAL LAB., WOODS HOLE, MA.
Methods in computational neuroscience [AD-A231397] 14 p2297 N91-22698
MARQUARDT CORP., VAN NUYS, CA.
Skin friction measurement techniques for scramjet applications. Phase 1: Preliminary design [AD-A231899] 14 p2195 N91-22125
The cryojet revisited 16 p2579 N91-24293
MARQUETTE UNIV., MILWAUKEE, WI.
Resonance Raman and photophysical studies of transition metal complexes in solution and entrapped in zeolites [DE91-013010] 20 p3316 N91-28357
MARTIN LUTHER-UNIV., HALLE-WITTENBERG (GERMAN D.R.).
Examination of the segregation of tellurium in BiSbTe3 14 p2334 N91-22899
MARTIN MARIETTA AEROSPACE, DENVER, CO.
Software sizing, cost estimation and scheduling 01 p0106 N91-10612
Experiences with Ada in an embedded system 01 p0106 N91-10614
Software cost estimation study [AD-A226777] 06 p0860 N91-14749
Hubble Space Telescope: A cosmic time machine [NASA-TM-103041] 09 p1424 N91-17840
Solar thermal vacuum tests of Magellan spacecraft 11 p1657 N91-19127
An outgassing model of non-metallic materials for the ascent of a Titan 4 launch vehicle 11 p1657 N91-19132
Advances in atomic oxygen simulation 11 p1660 N91-19147
Transfer orbit stage mechanisms thermal vacuum test 11 p1663 N91-19161
Composite materials for space applications [NASA-CR-187472] 11 p1676 N91-19238
Nuclear thermal rockets using indigenous extraterrestrial propellants 14 p2199 N91-22146
Fabrication of intermetallic compounds by solid state reaction of roll-bonded materials [AD-A231720] 14 p2240 N91-22388
Machine vision based teleoperation aid 14 p2315 N91-22784
Humans to Mars in 1999 20 p3298 N91-28237
Historical problem areas: Lessons learned for expendable and reusable vehicle propulsion systems 20 p3298 N91-28243
Space transfer vehicles and space basing 20 p3300 N91-28254
Space station automation of common module power management and distribution [NASA-CR-4260] 22 p3629 N91-30195
Cryogenic Orbital Nitrogen Experiment (CONE): Phase A/B design study [NASA-CR-187230] 24 p3968 N91-32166
MARTIN MARIETTA AEROSPACE, NEW ORLEANS, LA.
Liquid Rocket Booster (LRB) for the Space Transportation System (STS) systems study. Volume 2: Addendum 1 [NASA-CR-184128] 14 p2235 N91-22366
MARTIN MARIETTA CORP., BETHESDA, MD.
Hybrid Propulsion Technology Program, phase 1. Volume 1: Executive summary [NASA-CR-183950] 02 p0188 N91-11054
Hybrid Propulsion Technology Program, phase 1. Volume 2: Technical discussion [NASA-CR-183951] 02 p0189 N91-11055
MARTIN MARIETTA CORP., DENVER, CO.
Intelligent Robotic Systems Study (IRSS), phase 2 [NASA-CR-183963] 02 p0258 N91-11432
Space station automation of common module power management and distribution, volume 2 [NASA-CR-184035] 04 p0495 N91-12748
Fabrication of intermetallic compounds by solid state reaction of roll-bonded materials [AD-A225862] 04 p0504 N91-12797
Space station common module network topology and hardware development [NASA-CR-184034] 06 p0791 N91-14373
Results from teleoperated free-flying spacecraft simulations in the Martin Marietta space operations simulator lab 12 p1847 N91-20150
Sharing intelligence: Decision-making interactions between users and software in MAESTRO 14 p2312 N91-22772
Survey of resource opportunities and critical evaluation of economic requirements 17 p2909 N91-26062
Flexible copper-indium-diselenide films and devices for space applications 22 p3634 N91-30222
MARTIN MARIETTA CORP., HUNTSVILLE, AL.
An automatic gore panel mapping system 10 p1488 N91-18198
MARTIN MARIETTA CORP., NEW ORLEANS, LA.
Liquid Rocket Booster (LRB) for the Space Transportation System (STS) systems study, volume 2, addendum 2 [NASA-CR-184155] 14 p2236 N91-22374
MARTIN MARIETTA CORP., ORLANDO, FL.
XD(TM) reinforced beryllium-based composites [AD-A233587] 16 p2590 N91-24355
MARTIN MARIETTA LABS., BALTIMORE, MD.
Electrooptical quantum wells [AD-A226102] 04 p0592 N91-13307
Superplastic formability of Al-Cu-Li alloy Weldalite (TM) 049 [NASA-CR-4367] 14 p2246 N91-22426
The mechanisms of dispersion strengthening and fracture in Al-based XD(tm) alloys, part 1 [NASA-CR-4365] 16 p2599 N91-24402
Evaluation of the microstructure of Al-Cu-Li-Ag-Mg Weldalite (tm) alloys, part 4 [NASA-CR-4368] 16 p2599 N91-24404
Natural aging and reversion behavior of Al-Cu-Li-Ag-Mg alloy Weldalite (tm) 049 16 p2599 N91-24405
Structure and properties during aging of an Al-Cu-Li-Ag-Mg alloy, Weldalite (tm) 049 16 p2600 N91-24406
Effect of a prior stretch on the aging response of an Al-Cu-Li-Ag-Mg-Zr alloy 16 p2600 N91-24407
Microstructural evolution during aging of an Al-Cu-Li-Ag-Mg-Zr alloy 16 p2600 N91-24408
High resolution electron microscopy study of a high Cu variant of Weldalite (tm) 049 and a high strength Al-Cu-Ag-Mg-Zr alloy 16 p2600 N91-24409
A study of the influence of alloying additions on the passivity of aluminum [AD-A232965] 16 p2600 N91-24410
Study of factors determining the radiation sensitivity of quartz crystal oscillators (AO189) 16 p2723 N91-25082
Microstructure-property relationships in Al-Cu-Li-Ag-Mg Weldalite (tm) alloys, part 2 [NASA-CR-4364] 20 p3312 N91-28334
Identification of strengthening phases in Al-Cu-Li alloy Weldalite (tm) 049 20 p3312 N91-28335
The influence of Ag+Mg additions on the nucleation of strengthening precipitates in a non-cold-worked Al-Cu-Li alloy 20 p3313 N91-28336
The effect of TiB2 reinforcement on the mechanical properties of an Al-Cu-Li alloy-based metal-matrix composite 20 p3313 N91-28337
Weldability of Weldalite (tm) 049 with and without TiB2 reinforcement 20 p3313 N91-28338
Effect of Li level, artificial aging, and TiB2 reinforcement on the fracture toughness of Weldalite (tm) 049-type alloys 20 p3313 N91-28339
Effect of Li level, artificial aging, and TiB2 reinforcement on the modulus of Weldalite (tm) 049 20 p3313 N91-28340
MARTIN MARIETTA SPACE SYSTEMS, INC., DENVER, CO.
Large space manipulators study [AD-A227276] 08 p1158 N91-16381
SSSFD manipulator engineering using statistical experiment design techniques 12 p1935 N91-20647
Random logic oxide screening methods [AD-A230579] 12 p1990 N91-20956
MARY HARDIN-BAYLOR UNIV., BELTON, TX.
An Air Revitalization Model (ARM) for Regenerative Life Support Systems (RLSS) 18 p3092 N91-27093
MARYLAND UNIV., BALTIMORE.
Pulse propagation in inhomogeneous optical fibers [DE91-000821] 04 p0583 N91-13252
Application of best available science to the regulatory process [DE91-010363] 17 p2807 N91-25517
Pulse propagation in inhomogeneous optical fibers [DE91-014358] 20 p3406 N91-28879
MARYLAND UNIV., COLLEGE PARK.
Transient characteristics of unconfined fire plume-driven ceiling jets [PB90-227976] 01 p0033 N91-10193
Towards a comprehensive framework for reuse: A reuse-enabling software evolution environment [UMIACS-TR-88-92] 01 p0105 N91-10608
Prediction and control of chaotic processes using nonlinear adaptive networks [DE90-016505] 01 p0118 N91-10697
The Joint NASA/Goddard-University of Maryland Research Program in Charged Particle and High Energy Photon Detector Technology [NASA-CR-180335] 01 p0137 N91-10810
Coupled rotor/airframe vibration analysis 02 p0179 N91-11012
Analysis of ductile crack extension in plastic fracture 02 p0225 N91-11257
A three-dimensional solid element model for finite rotation of composite shells 02 p0226 N91-11262
Control of complex multibody spacecraft [AD-A224707] 03 p0320 N91-11791
An assumed strain finite element model for composite shells undergoing large deflection 03 p0378 N91-12112
A three-dimensional assumed stress hybrid element formulation for finite strain viscoplastic deform ation 03 p0379 N91-12119
Reactive nitrogen compounds in the troposphere: Observations, transport, and photochemistry 03 p0387 N91-12159
Investigation of the propagation of intense charged particle beams into vacuum [AD-A225098] 03 p0416 N91-12326
The analysis and design of concurrency using box structures 03 p0427 N91-12391
A distributed user information system [AD-A225362] 03 p0428 N91-12396
Superconducting six-axis accelerometer 03 p0431 N91-12416
An optical investigation of powerful far-infrared galaxies 03 p0434 N91-12431
Chaos and random processes in the x ray variability of Cygnus X-1 04 p0610 N91-13393
Study of Design Knowledge Capture (DKC) schemes implemented in magnetic bearing applications [NASA-CR-187394] 05 p0661 N91-13677
Study of static and dynamic fracture using strain measurements 05 p0675 N91-13754
Progress of research on water vapor lidar [NASA-CR-187673] 05 p0690 N91-13837
High resolution CO images of Seyfert Galaxies 05 p0738 N91-14121
Fundamental studies on microstructural evolution of two-phase titanium alloys 06 p0806 N91-14452
Analysis of the boreal forest-tundra ecotone: A test of AVIRIS capabilities in the Eastern Canadian subarctic [NASA-CR-187335] 06 p0843 N91-14655
A software-system visualization tool [AD-A227145] 06 p0861 N91-14757
Efficient parallel algorithms on the network model [AD-A227144] 06 p0863 N91-14771
The definition of necessary hidden units in neural networks for combinatorial optimization [AD-A227142] 06 p0866 N91-14786
Higher harmonic control analysis for vibration reduction of helicopter rotor systems 07 p0944 N91-15175
Damping estimation in helicopter rotor stability testing 07 p0944 N91-15176
Signal processing and recognition in adaptive neural networks [AD-A226828] 07 p1035 N91-15677
Recursive star-tree parallel data-structure [AD-A227803] 07 p1052 N91-15779
AI planning: Systems and techniques [AD-A227626] 07 p1055 N91-15795
Ion and relativistic-electron acceleration and transport, and gamma-ray production, in solar flares 07 p1086 N91-15970
A coupled rotor aeroelastic analysis utilizing advanced aerodynamic modeling 08 p1094 N91-16006
Inelastic strain analysis of solder joint in NASA fatigue specimen [NASA-CR-187864] 08 p1116 N91-16132
Mode competition effects in free electron lasers and gyrotrons [DE90-011084] 08 p1152 N91-16346
A case study of the 19 October 1989 polar cap absorption event using the imaging riometer for ionospheric studies [AD-A227764] 08 p1178 N91-16487
Advanced methods for the computation of particle beam transport and the computation of electromagnetic fields and beam-cavity interactions [DE90-011071] 08 p1222 N91-16734
Microwave generation for magnetic fusion energy applications, task B [DE90-011079] 08 p1227 N91-16763

Microwave generation for magnetic fusion energy applications, task C
[DE90-011080] 08 p1227 N91-16764
Fundamental studies on high temperature deformation, recrystallization, and grain growth of two-phase materials
[AD-A229017] 09 p1314 N91-17210
Non-equilibrium chemistry effects on hypersonic separated flows: Shock-wave/boundary-layer interaction
[AD-A229015] 09 p1337 N91-17343
A 30 MW, 10 GHz gyroklystron with linear collider application
[DE90-009991] 09 p1338 N91-17347
Cloud-radiation-dynamics interaction
09 p1366 N91-17505
An electron beam injector for pulse compression experiments
[DE91-005744] 09 p1398 N91-17694
Current collection by high voltage anodes in near ionospheric conditions 09 p1403 N91-17724
Dynamic characteristics of hypertext
[PB91-107276] 09 p1421 N91-17822
Project Exodus 10 p1478 N91-18138
Manned Mars mission 10 p1478 N91-18139
Walking robot: A design project for undergraduate students 10 p1478 N91-18140
Accelerator research studies
[DE91-005721] 10 p1594 N91-18795
Experimental study of layer mixing, relative ionic escape velocity, and electron temperature gradients in spherical multilayered targets by XUV spectroscopy
[DE91-005034] 10 p1601 N91-18828
An energy recovery system for a quasi-optical gyrotron
[DE91-008317] 11 p1699 N91-19357
A program of high power microwave source research and development from 8 GHz to 600 GHz
[DE91-008320] 11 p1699 N91-19358
Time-dependent multimode simulation of gyrotron oscillators
[AD-A229861] 11 p1709 N91-19413
ICRCCM (intercomparison of radiation codes used in climate models). Phase 2: Verification and calibration of radiation codes in climate models
[DE91-007323] 11 p1738 N91-19555
The study of effects of small perturbations on chaotic systems
[DE91-007320] 11 p1785 N91-19792
Experimental development of a millimeter wave free electron laser
[DE91-008318] 12 p1905 N91-20483
A high-average power tapered FEL amplifier at submillimeter frequencies using sheet electron beams and short-period wigglers
[DE91-008319] 12 p1905 N91-20484
Applications of operator theory to maximum entropy problems
[AD-A230417] 12 p1970 N91-20834
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones
[DE91-008144] 12 p1975 N91-20867
Microwave generation for magnetic fusion energy applications
[DE91-008280] 12 p1983 N91-20912
Modeling failure and reliability in new-generation devices
[AD-A230998] 13 p2077 N91-21439
Volcanic effects on climate 13 p2116 N91-21646
Time-resolved extreme-ultraviolet spectroscopy of laser-produced plasmas originating at the parylene layer of microballon targets
[DE91-009378] 13 p2158 N91-21900
Experimental and theoretical studies of high power plasma filled backward wave oscillators
[AD-A231782] 14 p2259 N91-22500
Real time control for NASA robotic gripper
[NASA-CR-187957] 14 p2272 N91-22569
Support for comprehensive reuse
[NASA-CR-187941] 14 p2303 N91-22721
Parallel implementation of the hp-version of the finite element method on a shared-memory architecture
[AD-A231506] 14 p2305 N91-22735
Hierarchic modeling of plates
[AD-A232754] 15 p2448 N91-23560
Accuracy of the Reissner-Mindlin and the (1,1,2) model for the clamped-in plate problem
[AD-A232755] 15 p2448 N91-23561
The problem of plate modeling theoretical and computational results
[AD-A232756] 15 p2448 N91-23562
Generalized disjunctive well-founded semantics for logic programs
[AD-A232064] 15 p2486 N91-23765
On locking and robustness in the finite element method
[AD-A232245] 15 p2494 N91-23815
The H-P version of the finite element method in the plate modelling problem
[AD-A232246] 15 p2495 N91-23816
Null values in definite programs
[AD-A232065] 15 p2524 N91-23992
Combining knowledge bases consisting of first order theories
[AD-A232090] 15 p2525 N91-23993
Noise-resistant invariants of curves
[AD-A233440] 16 p2679 N91-24830
Chemically reacting effects on hypersonic viscous interaction 17 p2728 N91-25109
Dynamic analysis of advanced tip rotors including three-dimensional aerodynamics
17 p2729 N91-25111
Feedback stabilization via center manifold reduction with application to tethered satellites
17 p2740 N91-25164
Prediction of muscular synergism and antagonism of human upper extremity: A dynamic optimization approach 17 p2821 N91-25590
The 1989 NASA-ASEE Summer Faculty Fellowship Program in Aeronautics and Research
[NASA-CR-188174] 17 p2877 N91-25914
The design of partitioned distributed database directories 17 p2885 N91-25946
Carbon and nitrogen abundance variations among Galactic globular cluster stars 17 p2890 N91-25976
Experimental measurement of low-energy antiprotons in the cosmic radiation 17 p2891 N91-25980
Geometry, dynamics and control of coupled systems
18 p2971 N91-26401
NFEARS: A nonlinear adaptive finite element solver. Part 2: User's manual
[AD-A234416] 18 p3050 N91-26842
Understanding object classes: Modeling and matching
[AD-A235027] 18 p3051 N91-26848
High order differentiation filters that work
[AD-A234504] 18 p3055 N91-26874
Pulse coded biologically motivated neural-type MOS circuits
[AD-A235433] 19 p3157 N91-27450
Multiburst and fratricide effects. Task 1: Numerical methods and computational results
[AD-A236498] 19 p3164 N91-27496
Connectionist models for intelligent computation
[AD-A235514] 19 p3234 N91-27879
The creation of multi-degree-of-freedom mechanisms for robotic applications
[DE91-014359] 20 p3357 N91-28596
Solitons and chaos in laser-plasma interaction
20 p3409 N91-28898
Particle confinement and fueling effects on the Maryland spheromak
[DE91-012396] 20 p3417 N91-28945
Measurement of magnetic properties of confined compact toroid plasma (spheromak)
[DE91-012397] 20 p3418 N91-28950
Maryland controlled fusion research program
[DE91-014358] 20 p3422 N91-28980
Joint proposal for US/USSR on nonlinear dynamics and plasma transport
[DE91-014360] 20 p3422 N91-28981
Vision-based navigation and parallel computing
[AD-A238570] 21 p3455 N91-29164
Laser-atom interaction at high intensities
[AD-A238231] 21 p3576 N91-29887
Thermophysical properties of supercritical fluids and fluid mixtures
[DE91-015794] 21 p3602 N91-30041
Nonlinear waves in mechanics and gas dynamics
[AD-A238340] 22 p3675 N91-30460
Analysis and development of a wide-bandwidth gravitational wave detector 23 p3873 N91-31601
Reliability of computational analysis of plasticity problems
[AD-A239646] 23 p3887 N91-31691
Locking effects in the finite element approximation of elasticity problems
[AD-A239645] 23 p3922 N91-31914
Analysis of the efficiency of an a-posteriori error estimator for linear triangular finite elements
[AD-A239647] 23 p3922 N91-31915
A study of a 21-cm-selected sample of galaxies
23 p3939 N91-32014
Cognitive cybernetics and human communication: The regulatory effects of prior knowledge
24 p4076 N91-32771
Benefits to the nation from astronomy and astrophysics 24 p4120 N91-33030

MARYLAND UNIV. BALTIMORE COUNTY, CATONSVILLE.

Duality methods for infinite dimensional optimization problems
[AD-A232605] 15 p2487 N91-23772
Temperature coefficients and radiation induced DLTS spectra of MOCVD grown n(+)p InP solar cells
22 p3638 N91-30245

MASCHINENFABRIK AUGSBURG-NUERNBERG A.G., MUNICH (GERMANY, F.R.).

Ariane capsule: Phase B1 study on structure subsystem 03 p0327 N91-11821
Joining of BMI composite 03 p0329 N91-11831
Application of advanced structural materials in propellant tanks and pressure vessels 03 p0331 N91-11852
Dispersion alloys (TEXUS 19)
23 p3846 N91-31442
Skin technology (TEXUS 1) 23 p3848 N91-31455
Skin technology (TEXUS 2) 23 p3848 N91-31456
Skin technology (TEXUS 3) 23 p3848 N91-31457
Skin technology (TEXUS 4) 23 p3849 N91-31458
Skin technology (TEXUS 9) 23 p3849 N91-31459
Skin technology (TEXUS 11 and 12)
23 p3849 N91-31460

MASSACHUSETTS GENERAL HOSPITAL, BOSTON.

New imaging systems in nuclear medicine
[DE91-004782] 10 p1563 N91-18596

MASSACHUSETTS INST. OF TECH., CAMBRIDGE.

Structural acoustics: An applied science with many applications
[PB90-183633] 01 p0118 N91-10698
Expert systems for the generation of thermal area arrival paths for civil transport 02 p0175 N91-10995
Large-scale dynamics and transport in the stratosphere
[NASA-CR-187327] 02 p0235 N91-11311
An application of the A* search to trajectory optimization
[AD-A224677] 03 p0318 N91-11778
The grasping problem: Toward task-level programming for an articulated hand
[AD-A225712] 03 p0374 N91-12095
MARVEL: A system for recognizing world locations with stereo vision
[AD-A225709] 03 p0386 N91-12150
Limits of precision for human eye motor control
[AD-A225515] 03 p0396 N91-12203
Robust and adaptive control
[AD-A224810] 03 p0409 N91-12283
Mechanical properties of microelectronics thin films: Silicon nitride (Si3N4)
[AD-A225394] 03 p0425 N91-12379
Mechanical properties of microelectronics thin films: Silicon dioxide (SiO2)
[AD-A225395] 03 p0425 N91-12380
A distributed model for mobile robot environment-learning and navigation
[AD-A225711] 04 p0475 N91-12654
Viscoelasticity and creep recovery of polyimide thin films
[AD-A225475] 04 p0506 N91-12811
Plastic deformation of highly doped silicon
[AD-A225476] 04 p0506 N91-12812
Fundamental studies of near surface modification of carbon fibers
[AD-A225910] 04 p0507 N91-12817
Secondary side CMOS feedback control integrated circuit
[AD-A224580] 04 p0517 N91-12877
Research programs at the Research Laboratory of Electronics
[AD-A225355] 04 p0518 N91-12880
Dynamically stable legged locomotion
[AD-A225713] 04 p0531 N91-12949
Implications of viscosity and strain gradient effects for the kinetics of propagating phase boundaries in solids
[AD-A226120] 04 p0536 N91-12975
Contributions to the American Meteorological Society 16th Conference on Severe Local Storms
[AD-A226316] 04 p0549 N91-13047
The effect of indexing on the complexity of object recognition
[AD-A225761] 04 p0553 N91-13069
The supercomputer toolkit and its applications
[AD-A225807] 04 p0555 N91-13077
Soft objects: A paradigm for object oriented programming
[AD-A225513] 04 p0561 N91-13111
The behavior language, user's guide
[AD-A225808] 04 p0562 N91-13119
Multivalued possibilities mappings
[AD-A226110] 04 p0563 N91-13124
Central-server-based orphan detection for Argus
[AD-A226133] 04 p0563 N91-13126
Automated acquisition of evolving informal descriptions
[AD-A225621] 04 p0570 N91-13161
On probabilistic strategies for robot tasks
[AD-A225714] 04 p0576 N91-13205

Investigation of new semiinsulating behavior of III-V compounds
[NASA-CR-187682] 04 p0587 N91-13278
Composite fuselage technology
[NASA-CR-187658] 05 p0621 N91-13446
Loading the LES-9 wideband UHF transponder
[AD-A226179] 05 p0627 N91-13475
The synthesis of star block copolymers by controlled ring-opening metathesis polymerization
[AD-A225987] 05 p0640 N91-13551
Far field wake velocity measurements with hot film probes
[AD-A226650] 05 p0657 N91-13647
Material and mechanical characterizations for braided composite pressure vessels
[AD-A226640] 05 p0668 N91-13713
Tritium method oil consumption and its relation to oil film thickness in a production diesel engine
[AD-A226649] 05 p0668 N91-13714
Analysis of single and multi-grade lubricant film thickness in a diesel engine
[AD-A226651] 05 p0669 N91-13715
Distortion-free x ray mask technology
[AD-A226524] 05 p0716 N91-13993
Observations of CO in the Magellanic irregular galaxy NGC 55 05 p0739 N91-14124
Mars tectonics and volcanism
[NASA-CR-187351] 05 p0766 N91-14254
Measurement of hydrodynamic forces and moments and flow field mapping of a model in coning motion
[AD-A226684] 06 p0787 N91-14355
Structural response of marine sandwich panels to uniform pressure loading
[AD-A227038] 06 p0803 N91-14434
Variation of wall shear stress and Reynolds stress over a flat plate downstream of a boundary layer manipulator
[AD-A226875] 06 p0826 N91-14565
Remote sensing of Earth terrain
[NASA-CR-186904] 06 p0839 N91-14635
Plate motions and deformations from geologic and geodetic data
[NASA-CR-187379] 06 p0846 N91-14672
Crustal dynamics project: The interpretation of crustal dynamics data in terms of plate motions and regional deformation near plate boundaries
[NASA-CR-187691] 06 p0846 N91-14673
Shipboard and satellite observations of upper ocean velocity and transport variability in the Gulf Stream
[AD-A226974] 06 p0850 N91-14694
Observations of ocean fluctuations between 15 and 23 hour periods in the Pacific
[AD-A227017] 06 p0851 N91-14695
The distribution of wave heights and periods for seas with unimodal bimodal power density spectra
[AD-A227040] 06 p0851 N91-14696
A method for estimating tokamak poloidal field coil currents which incorporates engineering constraints
[DE91-001662] 06 p0877 N91-14848
Investigation of new semiinsulating behavior of 3-5 compounds
[AD-A226787] 06 p0880 N91-14862
Ground boundaries
[DE91-004027] 06 p0883 N91-14880
Nonlinear large amplitude vibration of composite helicopter rotor blade at large static deflection
[AD-A227933] 07 p0945 N91-15183
Experimental and theoretical research in high energy astrophysics
[NASA-CR-188227] 07 p0947 N91-15190
Icosahedral and other quasicrystal phases in magnetic alloy systems
[AD-A227987] 07 p0983 N91-15395
On retiming synchronous circuitry and mixed-integer optimization
[AD-A228047] 07 p1000 N91-15491
Analysis of ocular torsion data from Space Labs D-1 and SL-1
[NASA-CR-187799] 07 p1036 N91-15682
Direct recovery of motion and shape in the general case by fixation
[AD-A225793] 07 p1036 N91-15685
Modelling of flamelet surface-to-volume ratio in turbulent premixed combustion
[DE90-006312] 08 p1107 N91-16081
Gas solubility in glassy polymers: A correlation with excess enthalpy
[AD-A228202] 08 p1120 N91-16155
Noise reduction using low weight and constant weight coding techniques
[AD-A228346] 08 p1135 N91-16244
The PHD: A Planar, Harmonic Drive robot for joint torque control
[NASA-CR-187924] 08 p1159 N91-16386
Void nucleation in nonlinear solid mechanics
[AD-A228890] 08 p1164 N91-16410
Distributed algorithm simulation using input/output automata
[AD-A228113] 08 p1202 N91-16611
Supporting reuse and evolution in software design
[AD-A228782] 08 p1205 N91-16624
Pi: A parallel architecture interface for multi-model execution
[AD-A228345] 08 p1207 N91-16640
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
Chemical beam epitaxy of ZnSe
[AD-A228045] 08 p1237 N91-16817
Vortex simulation of turbulent combustion
[AD-A229079] 09 p1310 N91-17189
The control of human arm movement: Models and mechanical constraints
[AD-A228690] 09 p1372 N91-17543
Dataflow computation for the J-machine
[AD-A228612] 09 p1383 N91-17603
Concurrent Aggregates (CA): A object-oriented language for fine-grained message-passing machines
[AD-A228712] 09 p1383 N91-17605
Cache coherence protocols for large-scale multiprocessors
[AD-A228982] 09 p1388 N91-17634
Model selection for solving kinematic problems
[AD-A228692] 09 p1389 N91-17642
Theory of plasma contactors in ground-based experiments and low Earth orbit 09 p1403 N91-17721
Effect of grain boundary structure on grain boundary diffusivities in the Au/Ag system
[DE91-005785] 09 p1413 N91-17780
Diffraction effects from (111) twist boundaries in gold
[DE91-005849] 09 p1414 N91-17782
Viscous and inviscid inverse schemes using Newton's method 10 p1459 N91-18044
Project Artemis 10 p1478 N91-18141
The collaborative program of research in engineering science
[DE91-006741] 10 p1507 N91-18296
Planning for coordinated space and ground-based ionospheric modification experiments 10 p1552 N91-18535
Spectroscopic and dynamical studies of highly energized small polyatomic molecules
[DE91-005981] 10 p1593 N91-18784
Develop and test an Internally Cooled, Cabled Superconductor (ICCS) for large scale MHD magnets
[DE91-005536] 10 p1609 N91-18882
Automatic speech recognition in air traffic control: A human factors perspective 11 p1637 N91-19025
The temporal logic of the tower chief system 11 p1637 N91-19026
BUBBLES: An automated decision support system for final approach controllers 11 p1637 N91-19027
Control of catalytic hydrotreating selectivity with ammonia
[DE91-005511] 11 p1678 N91-19250
Control system failure monitoring using generalized parity relations
[NASA-CR-187945] 12 p1843 N91-20129
UHF polarization characteristics of LES-8/9
[AD-A230733] 12 p1856 N91-20199
On the calculation of accurate antenna pointing for terminals working with geosynchronous communications satellites
[AD-A230734] 12 p1856 N91-20200
Polymerization of functionalized norbornenes employing Mo(CH-t-Bu)(NAr)(O-t-Bu)2 as the initiator
[AD-A230034] 12 p1872 N91-20289
Geolocation of frequency-hopping transmitters via satellite
[AD-A230373] 12 p1883 N91-20351
Three dimensional transient analysis of microstrip circuits in multilayered anisotropic media
[AD-A229691] 12 p1892 N91-20405
Active and passive remote sensing of ice
[AD-A229648] 12 p1917 N91-20543
An incremental type inference system for the programming language Id
[AD-A230085] 12 p1955 N91-20756
On-line algorithms for 2-coloring hypergraphs via chip games
[AD-A230200] 12 p1956 N91-20758
Bounds on the time to reach agreement in the presence of timing uncertainty
[AD-A229766] 12 p1957 N91-20764
On-line scheduling of parallel machines
[AD-A230070] 12 p1963 N91-20799
Results in computational geometry: Geometric embeddings and query-retrieval problems
[AD-A230380] 12 p1969 N91-20833
Generation and use of unstructured grids for turbomachinery calculations 13 p2012 N91-21064
Computational study of three dimensional viscous flow through a turbine cascade using a multi-domain spectral technique 13 p2012 N91-21066
A time delay controller for magnetic bearings 13 p2037 N91-21205
Control of catalytic hydrotreating selectivity with ammonia
[DE91-008405] 13 p2049 N91-21272
Artifact diamond characterization
[AD-A231555] 13 p2057 N91-21323
A criterion for the optimal design of multi-axis force sensors
[AD-A231014] 13 p2090 N91-21500
Feature matching for object localization in the presence of uncertainty
[AD-A231405] 13 p2137 N91-21766
An efficient correspondence based algorithm for 2D and 3D model based recognition
[AD-A231406] 13 p2137 N91-21767
On the massively parallel solution of the assignment problem
[AD-A230847] 13 p2139 N91-21775
The study of plasma clouds around large active space structures
[AD-A230634] 13 p2155 N91-21881
Grain boundaries
[DE91-007932] 13 p2159 N91-21905
Proposal for a remotely manned space station 14 p2199 N91-22142
Transform methods for precision continuum and control models of flexible space structures 14 p2228 N91-22325
Toward a block-copolymer-emulsified, tough blend of isotactic polystyrene and polybutadiene: HIiPS
[AD-A231934] 14 p2249 N91-22443
Evaluation of domain spacing scaling laws for semicrystalline diblock copolymers
[AD-A231958] 14 p2249 N91-22445
The design and analysis of efficient learning algorithms
[AD-A231888] 14 p2307 N91-22747
MIT ASTROMAG 1.7 meter disk magnet design report
[NASA-CR-187931] 14 p2322 N91-22824
SOLDESIGN user's manual
[DE91-009795] 14 p2322 N91-22827
Axisymmetric control in tokamaks
[DE91-009794] 14 p2329 N91-22868
Focused ion beam fabrication of microelectronic structures
[AD-A231848] 14 p2331 N91-22880
Galvanic corrosion of aluminum-matrix composites
[AD-A232138] 15 p2396 N91-23264
Deterministic analysis of processes at corroding metal surfaces and the study of electrochemical noise in these systems
[DE91-009997] 15 p2401 N91-23297
Design and implementation of a packet switched routing chip
[AD-A232286] 15 p2419 N91-23401
Strategies to sustain and enhance performance in stressful environments
[AD-A232698] 15 p2476 N91-23714
Transition space
[AD-A231404] 15 p2481 N91-23732
An in-depth analysis of concurrent B-tree algorithms
[AD-A232287] 15 p2487 N91-23770
Are wait-free algorithms fast
[AD-A232829] 15 p2487 N91-23774
Analog processing of optical wavefronts using integrated guided-wave optics
[AD-A232703] 15 p2509 N91-23904
Experimental and theoretical research in applied plasma physics
[DE91-010657] 15 p2512 N91-23920
Microburst avoidance simulation tests 16 p2556 N91-24172
Compatibilization of blends of crystallizable polybutadiene isomers by precipitation and by addition of amorphous diblock copolymer
[AD-A232071] 16 p2605 N91-24432
Potential dependence of the conductivity of polyacetylene: Finite potential window of high conductivity
[AD-A233263] 16 p2606 N91-24442
Electrocatalytic oxidation of methanol by assemblies of platinum/tin catalyst
[AD-A233291] 16 p2620 N91-24509
Viscous design and analysis methods for transonic compressor blading
[AD-A232902] 16 p2624 N91-24530
An evaluation of concurrent priority queue algorithms
[AD-A232288] 16 p2668 N91-24761
TCP packet trace analysis
[NASA-CR-188617] 16 p2673 N91-24795

Vibrationally energized molecules: Unimolecular energy flow, chaos, and level specific chemistry
[AD-A232898] 16 p2683 N91-24852
Fusion development and technology
[DE91-011076] 16 p2692 N91-24906
Charged particle activation studies on the surface of LDEF spacecraft 16 p2708 N91-24987
Aromatics oxidation and soot formation in flames
[DE91-010262] 17 p2757 N91-25259
The interpretation of crustal dynamics data in terms of plate motions and regional deformation near plate boundaries
[NASA-CR-188500] 17 p2810 N91-25533
Perception of the body in space: Mechanisms 17 p2820 N91-25585
Gravitational effects on brain and behavior 17 p2820 N91-25586
MIT/Canadian vestibular experiments on the Spacelab-1 mission. Part 1: Sensory adaptation to weightlessness and readaptation to one-g: An overview 17 p2821 N91-25587
Evolution of ore deposits on terrestrial planets 17 p2910 N91-26067
Calculated aerodynamics of wings in severe maneuver
[AD-A235241] 18 p2922 N91-26120
Isotropic exchange in the platinum-catalyzed reduction of olefins in protic solvents
[AD-A234828] 18 p2939 N91-26208
Corrosion of graphite aluminum metal matrix composites
[AD-A234322] 18 p2941 N91-26220
The reduction by deuterium on platinum black of exo-2-norbornyl and endo-2-norbornyl to norbornane-2-d occurs with predominant retention of configuration
[AD-A235057] 18 p2950 N91-26277
Heterogeneous catalysis on platinum and self-assembled monolayers on metal and metal oxide surfaces
[AD-A235055] 18 p2954 N91-26302
Living ring-opening metathesis polymerization of 7-oxa-2,3-difunctionalized norbornenes and norbornadienes by Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (O-t-Bu)2 and Mo(CHCMe2R) (N-2,6-C6H3-i-Pr2) (OCMe2CF3)2
[AD-A235235] 18 p2965 N91-26365
Piezoelectric micromotors for microrobots
[AD-A234423] 18 p2978 N91-26446
Atom wave interferometer
[AD-A234863] 18 p2988 N91-26494
New laser materials for laser diode pumping
[NASA-CR-187786] 18 p2992 N91-26521
Line kinematics for whole-arm manipulation
[AD-A234422] 18 p2994 N91-26535
Passive and active grasping with a prehensile robot end-effector
[AD-A235085] 18 p2995 N91-26539
Waiting algorithms for synchronization in large-scale multiprocessors
[AD-A234985] 18 p3038 N91-26764
Using mappings to prove timing properties
[AD-A234404] 18 p3040 N91-26780
The shape of shading
[AD-A234419] 18 p3040 N91-26781
Continuous stochastic cellular automata that have a stationary distribution and no detailed balance
[AD-A234421] 18 p3040 N91-26782
Program improvement by automatic redistribution of intermediate results
[AD-A235086] 18 p3041 N91-26791
Structure driven multiprocessor compilation of numeric problems
[AD-A234653] 18 p3044 N91-26803
Imagination and situated cognition
[AD-A234420] 18 p3045 N91-26809
Extensions of a theory of networks and learning: Outliers and negative examples
[AD-A234425] 18 p3045 N91-26810
Using modular neural networks with local representations to control dynamic systems
[AD-A234700] 18 p3045 N91-26813
Experiments with trapped atoms
[AD-A234580] 18 p3059 N91-26895
Electrochemically modulated superconductivity
[AD-A234703] 18 p3069 N91-26955
Luminescence and lasing in II-VI semiconductors
[AD-A235019] 18 p3070 N91-26961
Reduction of C bonds proceeds with retention of configuration: Stereochemical investigation of the heterogeneous reduction by dideuterium of (Homohypostrophene) Neopentyl (2-Norbornyl) Platinum (II) complexes on platinum black
[AD-A235515] 19 p3116 N91-27218
Silicon ceramics with a dash of boron
[AD-A236410] 19 p3142 N91-27363
Polybutadiene chain immobilization in B-core, star-branched SB block copolymers
[AD-A236767] 19 p3142 N91-27367
Numerical and symbolic signal representation and processing
[AD-A235621] 19 p3150 N91-27408
Remote sensing of earth terrain
[NASA-CR-188658] 19 p3183 N91-27604
Lateral variation in upper mantle temperature and composition beneath mid-ocean ridges inferred from shear-wave propagation, geoid, and bathymetry
[NASA-CR-188603] 19 p3191 N91-27645
Atmospheric water vapor transport: Estimation of continental precipitation recycling and parameterization of a simple climate model
[NASA-CR-188647] 19 p3201 N91-27695
Experiments with dataflow on a general-purpose parallel computer
[AD-A235521] 19 p3232 N91-27870
Estimation of discontinuous displacement vector fields with the minimum description length criterion
[AD-A235512] 19 p3235 N91-27890
Asymptotic distribution of the likelihood ratio test that a mixture of two binomials is a single binomial
[AD-A236714] 19 p3236 N91-27896
Radiation disorder and aperiodicity in irradiated ceramics
[DE91-010257] 20 p3322 N91-28391
Nonlinear phenomena and processes in high energy plasmas 20 p3406 N91-28882
Millimeter-accuracy satellite navigation
[AD-A237736] 21 p3455 N91-29163
Simulation of the structure of dense, amorphous bisphenol-A polycarbonate
[AD-A237222] 21 p3474 N91-29270
Simulation of large deformation in glassy atactic polypropylene
[AD-A237223] 21 p3486 N91-29340
Modelling of deformation textures evolution in semi-crystalline polymers
[AD-A237288] 21 p3486 N91-29342
Quasi-static modeling of chain-dynamics in the amorphous glassy polycarbonate of 4,4'-isopropyledenediphenol
[AD-A237289] 21 p3486 N91-29343
Inelastic deformation and fracture of glassy solids
[AD-A237290] 21 p3487 N91-29344
An atomistic model of the amorphous glassy polycarbonate of 4,4'-isopropylidenediphenol
[AD-A237291] 21 p3487 N91-29345
The molecular view of plastic deformation and precursor processes of crazing in glassy polypropylene and polycarbonate
[AD-A237333] 21 p3487 N91-29346
Conformational characteristics of the polycarbonate 4,4'-isopropylidenediphenol
[AD-A237334] 21 p3487 N91-29347
The Research Laboratory of Electronics
[AD-A237670] 21 p3506 N91-29458
Characterization of a sub-picosecond dye laser for the study of atom-perturber collisions
[AD-A238099] 21 p3524 N91-29572
Multipixel multidimensional laser radar system theory
[AD-A238110] 21 p3524 N91-29573
Short-pulse glass slab amplifier
[DE91-015385] 21 p3525 N91-29580
The MIT short-wavelength laser project
[DE91-015357] 21 p3525 N91-29582
Morphology of bulk Nylon 6 subjected to plane strain compression
[AD-A237331] 21 p3532 N91-29622
Deconvolution of x ray diffraction data to elucidate plastic deformation mechanisms in the uniaxial extension of bulk Nylon-6
[AD-A237332] 21 p3532 N91-29623
Dimensionless parameters important to the prediction of vortex-induced vibration of long, flexible cylinders in ocean currents
[PB91-184713] 21 p3533 N91-29630
APRIL: A processor architecture for multiprocessing
[AD-A237476] 21 p3553 N91-29739
A high-performance retargetable simulator for parallel architectures
[AD-A237354] 21 p3559 N91-29779
Counting networks
[AD-A237475] 21 p3559 N91-29780
Lazy task creation: A technique for increasing the granularity of parallel programs
[AD-A237477] 21 p3559 N91-29781
The MIT Alewife machine: A large-scale distributed-memory multiprocessor
[AD-A237705] 21 p3560 N91-29784
The atomic strain tensor
[AD-A237287] 21 p3574 N91-29877
Development of model based magnetic LP-LEC growth large diameter GaAs
[AD-A237456] 21 p3595 N91-29998
Specification and verification of real-time constraints in coarse-grain dataflow
[AD-A237355] 21 p3603 N91-30047
Air Force Research in Aero Propulsion Technology (AFRAPT)
[AD-A229612] 22 p3620 N91-30140
Static and dynamic properties of composite blades with structural couplings
[AD-A229318] 22 p3642 N91-30268
Control of morphology of crystallizable polymer mixtures via manipulation of the heterogeneous melt
[AD-A229395] 22 p3653 N91-30330
Microwigglers for submillimeter wavelength free-electron lasers
[AD-A229394] 22 p3681 N91-30497
Studies toward observing and modelling large energetic ocean regions
[AD-A229478] 22 p3711 N91-30654
Representations in mental models
[AD-A229401] 22 p3718 N91-30696
Critical problems in very large scale computer systems
[AD-A229328] 22 p3722 N91-30714
Indexing for visual recognition from a large model base
[AD-A229320] 22 p3740 N91-30833
Routing statistics for unqueued Banyan networks
[AD-A229321] 22 p3746 N91-30880
Patterned functionalization of gold and single crystal silicon via photochemical reaction of surface-confined derivatives of (eta5-C5H5)Mn(CO)3
[AD-A229570] 22 p3758 N91-30948
Origins of GPS surveying
[AD-A239676] 23 p3788 N91-31121
Strategies for biopolymer engineering of PHB-like materials
[AD-A239690] 23 p3820 N91-31313
Time domain electromagnetic waves in multilayered media
[AD-A239545] 23 p3857 N91-31504
Distortion-free x ray mask technology
[AD-A239770] 23 p3883 N91-31665
Interfacial systems for photochemical energy conversion
[DE91-015743] 23 p3888 N91-31700
A fast multiport memory based on single-port memory cells
[AD-A239455] 23 p3907 N91-31811
Structural characterization of high temperature composites
[NASA-CR-187220] 24 p3970 N91-32180
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
Observations of Enhanced Radar Backscatter (ERB) from Millstone Hill
[NASA-CR-188877] 24 p3988 N91-32280
Learning-logic: Casting the cortex of the human brain in silicon
[MIT-TR-47] 24 p4088 N91-32840
Optical/IR from ground 24 p4119 N91-33020

MASSACHUSETTS INST. OF TECH., LEXINGTON.

Summer 1988 TDWR microburst analysis 03 p0305 N91-11701
Automatic detection of low altitude wind shear due to gust fronts in the terminal Doppler weather radar operational demonstration 03 p0305 N91-11702
Solid state research
[NASA-CR-187654] 04 p0587 N91-13279
A proposed astronomical reference catalog of infrared sources
[AD-A226757] 06 p0912 N91-15041
The 1/f frequency noise effects on self-heterodyne linewidth measurements for coherent communications
[AD-A227942] 08 p1127 N91-16195
Results of the Kansas City 1989 Terminal Doppler Weather Radar (TDWR) operational evaluation testing
[AD-A228784] 08 p1129 N91-16206
Materials systems for 2- to 5-micrometers wavelength diode lasers
[AD-A228218] 08 p1155 N91-16361
Effect of wind and temperature gradients on received acoustic energy 08 p1217 N91-16697
Solid state research
[NASA-CR-187871] 08 p1236 N91-16816
Divergence detection in wind fields estimated by an airport surveillance radar
[AD-A228653] 09 p1322 N91-17263
Beam filling loss adjustments for ASR-9 weather channel reflectivity estimates
[AD-A228654] 09 p1323 N91-17264
Millstone angle calibration, 1989
[AD-A229008] 09 p1324 N91-17270
The performance of multilayer insulation in a rapidly depressurizing environment 11 p1658 N91-19133

LES-8/9 spectrum-survey techniques
[AD-A230092] 12 p1881 N91-20341
Site characterization for radar experiments
[AD-A230150] 12 p1881 N91-20343
A design for an electro-optic implementation of a wideband nulling system
[AD-A230152] 12 p1882 N91-20344
Floating gate circuits in MOSIS
[AD-A230154] 12 p1891 N91-20399
A study of dry microburst detection with airport surveillance radars
[AD-A230060] 12 p1925 N91-20591
Clutter rejection for Doppler weather radars with multirate sampling schemes
[AD-A229762] 12 p1925 N91-20595
Initialization for improved IIR filter performance
[AD-A230061] 12 p1953 N91-20741
Biochip technology development
[AD-A230564] 12 p1967 N91-20823
Solid state research
[AD-A230358] 12 p1989 N91-20944
Estimating power amplifier large signal gain
[AD-A230823] 13 p2076 N91-21437
Orlando experiment 16 p2556 N91-24177
Wideband heterodyne spatial tracking for optical space communications
[AD-A233722] 18 p2973 N91-26410
Optimal Walsh modulations in the presence of Doppler
[AD-A233723] 18 p2973 N91-26411
Opportunities for advanced speech processing in military computer-based systems
[AD-A233724] 18 p2973 N91-26412
A test vector generator for a radar signal processor
[AD-A233725] 18 p2973 N91-26413
A physiologically motivated front end for speech recognition
[AD-A233727] 18 p2973 N91-26414
Using genetic algorithms to select and create features for pattern classification
[AD-A235165] 18 p3042 N91-26792
A comparative study of the practical characteristics of neural network and conventional pattern classifiers
[AD-A235345] 18 p3042 N91-26795
Analysis of nonlinear optical frequency conversion
[AD-A233726] 18 p3063 N91-26920
Binary optics technology: Theoretical limits on the diffraction efficiency of multilevel diffractive optical elements
[AD-A235404] 18 p3065 N91-26933
Solid state research
[AD-A234836] 18 p3069 N91-26958
Traffic Alert and Collision Avoidance System (TCAS). Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[AD-A236109] 19 p3104 N91-27147
Terminal Doppler weather radar operational test and evaluation, Orlando 1990
[AD-A236108] 19 p3150 N91-27413
High resolution microburst outflow vertical profile data from Huntsville, Alabama, and Denver, Colorado
[AD-A236486] 19 p3151 N91-27419
Logical implementation of the Automatic Target Recognition Working Group (ATRWG) 9-track tape format image storage format
[AD-A236627] 19 p3152 N91-27424
Passive equalization of wideband communication systems
[AD-A236813] 19 p3153 N91-27430
LWIR stellar calibration: Infrared spectral curves for 30 standard stars
[AD-A236766] 19 p3264 N91-28052
Solid state research
[NASA-CR-188021] 21 p3598 N91-30016
Automated flight strip management system functional description
[AD-A229606] 22 p3616 N91-30115
An adaptive coherent optical receiver array
[AD-A239672] 23 p3879 N91-31644
Artificial neural networks for seismic data interpretation
[AD-A239673] 23 p3895 N91-31743
Parametric study of diffusion-enhancement networks for spatiotemporal grouping in real-time artificial vision
[AD-A239674] 23 p3928 N91-31954

MASSACHUSETTS UNIV., AMHERST.
Development of a validation model for the defense meteorological satellite program's special sensor microwave imager
[NASA-CR-187369] 02 p0241 N91-11342
Recent starbirth and starburst activity in nearby galaxies 02 p0290 N91-11627
CO line emission from clumpy molecular clouds: The case of Orion 03 p0436 N91-12442
Gas dynamics in interacting and merging galaxies 03 p0437 N91-12444
A multi-transition study of the cyclic molecule cyclopropenylidene (C3H2) in the galaxy 03 p0437 N91-12446
Radio observations of several interstellar molecules 05 p0733 N91-14093
The FCRAO extragalactic CO survey: Global properties of galaxies 05 p0737 N91-14117
The ratio of molecular to atomic gas in spiral galaxies as a function of morphological type 05 p0737 N91-14119
The CO-12 and CO-13 J=2-1 and J=1-0 observations of hot and cold galaxies 05 p0739 N91-14126
Molecular outflows in the L1641 region of Orion 05 p0764 N91-14246
Climate system research
[DE91-001779] 07 p1027 N91-15635
Selection effects and binary galaxy velocity differences 08 p1258 N91-16927
Computation and graphics in mathematical research
[DE91-007333] 11 p1782 N91-19776
Carbon dioxide and water exchange of a soybean stand grown in the biomass production chamber 11 p1824 N91-20026
Ultrastructure processing of macromolecular materials
[AD-A230175] 12 p1873 N91-20292
A center for advanced electrical and structural polymers
[AD-A229744] 12 p1874 N91-20299
Theory of the dissociation dynamics of small molecules on metal surfaces: Finite temperature studies
[DE91-008512] 12 p1978 N91-20886
Synthesis, structure, and properties of segmented polyurethanes
[AD-A230966] 13 p2057 N91-21319
The properties and environment of primitive solar nebulae as deduced from observations of solar-type pre-main sequence stars 14 p2345 N91-22961
A comprehensive precipitation data set for global land areas
[DE91-010321] 16 p2660 N91-24718
High-spatial resolution observations of circumstellar disks 17 p2891 N91-25979
A Conference on Eye Movements and Visual Cognition
[AD-A234754] 18 p3032 N91-26739
Retrieval using plausible inference
[AD-A235015] 18 p3077 N91-27006
Theoretical studies of solid-fluid phase equilibria
[DE91-014811] 21 p3477 N91-29287
Phase transformations, ultrastructure, and properties of rigid-rod polymers
[AD-A238643] 21 p3490 N91-29368
Medium energy nuclear physics research
[DE91-015740] 21 p3578 N91-29901
Investigation of two-dimensional cracks at an angle to an interface 23 p3883 N91-31657
Inference networks for document retrieval 23 p3935 N91-31993
Climate research system
[DE91-016903] 24 p4070 N91-32742

MASSACHUSETTS UNIV., BOSTON.
Initial blood storage experiment
[NASA-CR-185513-PT-1] 06 p0851 N91-14700
Initial blood storage experiment
[NASA-CR-185513-PT-2] 06 p0852 N91-14701

MATERIALS RESEARCH LABS., ASCOT VALE (AUSTRALIA).
Assessment of hazard properties of tetryl replacement formulations
[MRL-TR-90-21] 10 p1506 N91-18287
Effect of shrapnel penetration on lithium-carbon monofluoride and lithium-manganese dioxide batteries
[MRL-TN-579] 10 p1517 N91-18351
Analytical calculations of fatigue loading of submarine hulls
[MRL-TR-90-26] 10 p1535 N91-18450
Magneto-elastic behaviour of steels for naval applications
[MRL-TR-90-27] 11 p1681 N91-19266
Proposed preparative techniques for manufacture of marine dye marker
[MRL-TN-583] 14 p2190 N91-22097
A one-dimensional flux-corrected transport code for detonation calculations
[MRL-RR-2-90] 14 p2261 N91-22510
Estimation of the acoustic reflection characteristics of a plane surface having a periodic, spatially-varying surface admittance
[MRL-TN-581] 14 p2323 N91-22828
Acoustic reflection from a plane boundary having variable surface parameters
[AD-A236832] 19 p3239 N91-27912
A novel epoxy lacquer for high strength steel in F-111 aircraft during overhaul
[AD-A236828] 21 p3484 N91-29326
Tropical tests of a seawater marker
[MRL-TR-90-19] 23 p3786 N91-31109

MATERIALS RESEARCH LABS., MARIBYRNONG (AUSTRALIA).
An experimental study of plasma structure in a small railgun
[MRL-R-1057] 07 p0961 N91-15293
The effect of phosphate coatings on fatigue crack initiation in quenched and tempered low alloy steel
[MRL-TR-90-14] 07 p0980 N91-15380
The development of an igniter for plastic thermite
[MRL-TR-90-24] 07 p0986 N91-15415
A study of the radiant ignition of a range of pyrotechnic materials using a CO2 laser
[MRL-TR-90-20] 07 p0987 N91-15416
Numerical solution of stiff ordinary differential equations for polymerisation kinetics
[MRL-TR-90-18] 07 p1056 N91-15802

MATERIALS RESEARCH LABS., MELBOURNE (AUSTRALIA).
High temperature mass spectrometric study of the thermodynamics of liquid nickel-aluminium alloys at 2000 K
[MRL-TR-91-15] 21 p3478 N91-29290

MATERIALS RESEARCH SOCIETY, PITTSBURG, PA.
Materials Research Society Symposium Proceedings: Polymer Based Molecular Composites, volume 171
[AD-A229199] 09 p1305 N91-17159
Materials Research Society Proceedings: Interfaces in Composites, volume 170
[AD-A229200] 09 p1413 N91-17777
High temperature ordered intermetallic alloys
[AD-A232769] 15 p2403 N91-23308
Processing science of advanced ceramics, volume 155
[AD-A229587] 22 p3653 N91-30331
Chemistry and defects in semiconductor heterostructures, volume 148
[AD-A229585] 22 p3758 N91-30949
Growth, characterization and properties of ultrathin magnetic films and multilayers, volume 151
[AD-A229586] 22 p3758 N91-30950
Properties of II-VI semiconductors: Bulk crystals, epitaxial films, quantum well structures, and dilute magnetic systems, volume 161
[AD-A229589] 22 p3759 N91-30951
Impurities, defects and diffusion in semiconductors: Bulk and layered structures, volume 163
[AD-A229590] 22 p3759 N91-30952

MATERIALS SCIENCES CORP., BLUE BELL, PA.
Structural development of micro-structurally toughened metal matrix composites
[AD-A226060] 04 p0497 N91-12762
Composite specimen design analysis. Volume 1: Analytical studies
[AD-A235990] 19 p3119 N91-27233
Micromechanical evaluation of ceramic matrix composites
[AD-A236756] 19 p3121 N91-27240
Composite specimen design analysis. Volume 2: Experimental efforts
[AD-A238277] 21 p3470 N91-29247

MATRA ESPACE, PARIS-VELIZY (FRANCE).
Surface mount on ceramic: How to achieve a space quality level 24 p3993 N91-32309

MATRA ESPACE, TOULOUSE (FRANCE).
Assembly, integration and test planning tool 07 p0950 N91-15214
Final validation of autonomous spacecraft 07 p0950 N91-15216
Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
Role and interest of new technologies in data processing for space control centers 14 p2210 N91-22206
Knowledge-based systems for spacecraft control: Keynote address 14 p2216 N91-22245
Knowledge based framework for man-system interaction in space control centres 14 p2216 N91-22249
Towards an operational fault isolation expert system for French telecommunication satellite Telecom 2 14 p2217 N91-22251
Hypermedia tool for operational procedure: Creation and utilization 14 p2221 N91-22278
Space and telescience robotics: Development of concepts and reference technologies for teledetection and robotics in extreme environments 15 p2451 N91-23580
Effect of space exposure of some epoxy matrix composites on their thermal expansion and mechanical properties (AO 136-8) 16 p2719 N91-25055

MATRA HARRIS SEMICONDUCTEURS, NANTES (FRANCE).
Calibration of ASIC library for radiation tolerant space applications methodology and experiment 24 p3996 N91-32334

Radiation tolerant 1 micron CMOS technology
24 p3996 N91-32335

MATRA SERVICE AERODYNAMIQUE, VELIZY-VILLACOUBLAY (FRANCE).
Vacuum deposited optical coatings experiment (AO 136-4) 16 p2722 N91-25074

MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD., MORIGUCHI (JAPAN).
Learning control of inverted pendulum system by neural network driven fuzzy reasoning: The learning function of NN-driven fuzzy reasoning under changes of reasoning environment 13 p2141 N91-21785

MAX-PLANCK-INST. FUER AERONOMIE, KATLENBURG-LINDAU (GERMANY, F.R.).
Activities report of the Max-Planck Institute for Aeronomy
[ETN-91-98383] 05 p0769 N91-14272
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
Gravity waves and instabilities in the lower and middle atmosphere 18 p3010 N91-26621
Proposed reference models for CO2 and halogenated hydrocarbons 19 p3190 N91-27639

MAX-PLANCK-INST. FUER ASTRONOMIE, HEIDELBERG (GERMANY, F.R.).
Starbursts in interacting galaxies: Observations and models 08 p1264 N91-16958

MAX-PLANCK-INST. FUER CHEMIE, MAINZ (GERMANY, F.R.).
Scanning imaging absorption spectrometer for atmospheric chartography 23 p3893 N91-31725

MAX-PLANCK-INST. FUER EXTRATERRESTRISCHE PHYSIK, GARCHING (GERMANY, F.R.).
High angular resolution mm- and submm-observations of dense molecular gas in M82
05 p0761 N91-14230
Spatial variation of the physical conditions of molecular gas in galaxies 05 p0762 N91-14236
Absorption features in the 3 micron spectra of highly obscured objects 06 p0898 N91-14965

MAX-PLANCK-INST. FUER FESTKOERPERFORSCHUNG, STUTTGART (GERMANY, F.R.).
Kinetic striations in Earth- and space-grown semiconductor crystals 14 p2334 N91-22904

MAX-PLANCK-INST. FUER KERNPHYSIK, HEIDELBERG (GERMANY, F.R.).
Introduction to meteoritics 10 p1620 N91-18933
Coagulation of protoplanetary dust
10 p1620 N91-18936
Radio and infra-red observations of Comet Austin 1989CI 10 p1623 N91-18956

MAX-PLANCK-INST. FUER METALLFORSCHUNG, STUTTGART (GERMANY, F.R.).
Manufacturing of SiC whisker reinforced SiN4 by a combined sinter HIP process
[ETN-90-98162] 04 p0499 N91-12771
Residual stresses in Al2O3: Comparison between electromechanical measurements and finite element method calculations 05 p0639 N91-13545
Monocrystal growth from high liquescent metals under ultrahigh vacuum 14 p2334 N91-22902

MAX-PLANCK-INST. FUER METEOROLOGIE, HAMBURG (GERMANY, F.R.).
Determination of the temperature profile of the troposphere with a two frequency lidar
[EXAMENARBEIT-8] 15 p2464 N91-23653

MAX-PLANCK-INST. FUER PHYSIK UND ASTROPHYSIK, GARCHING (GERMANY, F.R.).
Examination of ion acceleration in the plasma layer during magnetospheric partial gales
[MPE-218] 01 p0127 N91-10753
Bicolored photometry and spectral accommodation in X-ray region of mass impregnated stellar X-ray binaries
[MPE-219] 01 p0137 N91-10808
Activities report of the Institute for Extraterrestrial Physics
[MPE-217] 02 p0289 N91-11620
Prospects of CsJ(Tl)-photodiode detectors for low level spectroscopy
[MPI-PAE/EXP.EL-228] 05 p0714 N91-13984
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
05 p0739 N91-14125
The role of the equatorial electrojet in the evening ionosphere
[MPE-PREPRINT-184] 08 p1180 N91-16494
Theory for modeling the equatorial evening ionosphere and the origin of the shear in the horizontal plasma flow
[MPE-PREPRINT-185] 08 p1180 N91-16495
Computer simulations of medium wavelength irregularities in the equatorial ionosphere resulting from artificially produced density enhancements
[MPE-PREPRINT-186] 08 p1180 N91-16496
Measurement of the e+e- annihilation in mu+mu- pairs at the Z sup o resonance
[MPI-PAE/EXP.EL-231] 08 p1222 N91-16732
Numerical examinations of Kelvin-Helmholtz instability in resistive compressible magnetohydrodynamics
[MPE-221] 08 p1230 N91-16782
The x ray emission of SS433
[MPE-PREPRINT-189] 08 p1244 N91-16856
Ion distributions and flows near the neutral sheet
[MPE-PREPRINT-179] 08 p1267 N91-16974
Structure and energy balance of molecular clouds
[MPE-PREPRINT-181] 08 p1267 N91-16975
Molecular absorption lines towards the nucleus of Centaurus A
[MPE-PREPRINT-182] 08 p1267 N91-16976
The 158 micrometer (CII) line: A measure of global star formation activity in galaxies
[NASA-CR-187925] 08 p1267 N91-16977
The galactic center at submillimeter and far-infrared wavelengths
[MPE-PREPRINT-190] 08 p1267 N91-16978
Interpretation of the diffusive galactic continuum gamma radiation in MeV area
[MPE-220] 08 p1268 N91-16983
Limits on compositeness of quarks and leptons from e+e- annihilation
[MPE-PAE/EXP-EL-226] 09 p1396 N91-17680
Heavy quark charge asymmetries below the Z sup 0 resonance
[MPE-PAE/EXP-EL-227] 09 p1396 N91-17681
Reinvestigation of compositeness limits from e+e- annihilation
[MPE-PAE/EXP-EL-230] 09 p1396 N91-17682
The far-infrared and submillimetre space telescope (FIRST)
[MPE-PREPRINT-191] 09 p1426 N91-17847
Protoplanetary disks: Observations and physical processes 10 p1623 N91-18957
Thermal instabilities in cooling flows: The evolution of nearly spherical perturbations
[MPE-PREPRINT-176] 11 p1700 N91-19365
An analytical study of neutral expansion, ionization, and charged particle acceleration in a neutral lithium release for the parallel electric field measurement
[MPE-PREPRINT-180] 11 p1800 N91-19880
Activities report of the Institute for Extraterrestrial Physics
[MPE-222] 11 p1816 N91-19971
Detection of an isotopic short submillimeter CO line: Column densities of warm gas in molecular clouds
[MPE-PREPRINT-178] 11 p1817 N91-19976
Observations of CO isotopic emission and the far-infrared continuum of Centaurus A
[MPE-PREPRINT-183] 11 p1817 N91-19977
Search for the optical signatures of a pulsar in SN1987A
[MPE-PREPRINT-188] 11 p1817 N91-19978
Fluorescent HD emission from photodissociation regions
[MPE-PREPRINT-177] 11 p1817 N91-19982
The galactic center at submillimeter and far-infrared wavelengths 13 p2174 N91-22002
The MPE/UCB Far-Infrared imaging Fabry-Perot Interferometer (FIFI) 13 p2175 N91-22005
Coherent and incoherent detection
13 p2175 N91-22010
High resolution imaging for Brackett gamma and H2 1-0 S(1) emission in the Seyfert galaxy NGC 1068
[MPE-PREPRINT-192] 15 p2368 N91-23104
The molecular interstellar medium and the near-infrared continuum of the barred liner NGC 6764
[MPE-PREPRINT-193] 15 p2532 N91-24029
The high energy spectrum of the 1983, August 1b gamma-ray burst
[MPE-PREPRINT-194] 15 p2535 N91-24040
Plasma diffusion at the magnetopause? The case of lower hybrid drift waves
[NASA-CR-188913] 23 p3929 N91-31957
Activities report of the Institute of Extraterrestrial Physics
[MPE-223] 23 p3937 N91-32002
A survey of the 158 micron CII fine-structure line in the central 50 pc of the galaxy
[NASA-CR-188912] 23 p3938 N91-32009
Evolutionary population synthesis in starburst regions
[MPE-PREPRINT-198] 23 p3939 N91-32017

MAX-PLANCK-INST. FUER PLASMAPHYSIK, GARCHING (GERMANY, F.R.).
Statistical properties of two-dimensional magnetohydrodynamic turbulence
20 p3407 N91-28886
Optimization, non-local MHD-mode, and alpha-particle confinement behavior of Helias equilibria
20 p3408 N91-28893

MAX-PLANCK-INST. FUER RADIOASTRONOMIE, BONN (GERMANY, F.R.).
Detection of CO emission in Hydra 1 cluster galaxies
05 p0763 N91-14237
High resolution observations of compact H II regions at 230 GHz 06 p0896 N91-14954
Natural waves of microstrip transmission lines in wave guides
[BER-68] 08 p1136 N91-16251
Quantum optics reveals the nature of superconductivity
[TR-69] 11 p1810 N91-19946
The 1.3 mm continuum emission from circumstellar envelopes 13 p2175 N91-22007
Investigation of highly excited CO transitions in OMC-1
13 p2176 N91-22013
A highly collimated bipolar outflow in the core of OMC-1: CO submillimeter emission 13 p2176 N91-22014
Sub-mm direct photometry with large telescopes
13 p2178 N91-22027
The search for protostars in high mass star forming regions 13 p2178 N91-22030
The Submillimeter Telescope (SMT)
13 p2178 N91-22033
Airborne heterodyne receiver for the range 600 GHz to 3,000 GHz 13 p2180 N91-22047

MAX-PLANCK-INST. FUER STROEMUNGSFORSCHUNG, GOETTINGEN (GERMANY, F.R.).
Theory of homogeneous nucleation from the vapor phase
[MPIS-MITT-93] 02 p0192 N91-11077
The generalized diffusion theory of simply deformable particle-fluid two-phase flows
[MPIS-7/1990] 02 p0213 N91-11193
A model for the sound generation due to compressible vortex-body interaction
[MPIS-MITT-96] 02 p0266 N91-11491
Complete adiabatic evaporation of highly superheated liquid jets
[MPIS-MITT-95] 02 p0282 N91-11588
Examination of the reactions of the singlet-carbene CH2(a 1A1) and CHCl(X 1A') in the gaseous phase
[MPIS-4/1990] 07 p0978 N91-15365
Traveling time effects in a channel flow
[MPIS-10/1990] 11 p1704 N91-19384
Calculation of pulsating liquid free jets
[MPIS-15/1990] 11 p1704 N91-19385
Reflections on some problems concerning the role of superfluid turbulence in the propagation of second-sound pulses in He 2
[MPIS-8/1990] 11 p1791 N91-19827
The effect of jet bleed on base pressure distribution, shedding frequency, and mean velocity profiles in the wake behind a two-dimensional blunt model
[MPIS-12/1990] 23 p3782 N91-31085
Examination of molecular evaporation, cooling, and cluster dissociation of very thin liquid jets in a high vacuum
[MPIS-12/1990] 23 p3869 N91-31581
Laser Doppler velocimeter measurements of the streamwise velocity component in the viscous sublayer of a turbulent channel flow
[MPIS-MITT-97] 23 p3869 N91-31582

MAX-PLANCK-INST. FUER VERHALTENSPHYSIOLOGIE, SEEWIESEN UBER STARNBERG (GERMANY, F.R.).
Determinants of spatial orientation in weightlessness
11 p1747 N91-19605

MAXWELL LABS., INC., SAN DIEGO, CA.
High-power converters for space applications
[NASA-CR-187116] 18 p2981 N91-26461
A transportable 50 kA dual mode lightning simulator
24 p4052 N91-32633

MBC APPLIED ENVIRONMENTAL SCIENCES, INC., COSTA MESA, CA.
Third Information Transfer Meeting
[PB91-123922] 13 p2167 N91-21961

MCAT INST., SAN JOSE, CA.
Development of a time-dependent incompressible Navier-Stokes solver based on a fractional-step method
[NASA-CR-187254] 02 p0208 N91-11165
Development of a time-dependent incompressible Navier-Stokes solver based on a fractional-step method
[NASA-CR-182323] 05 p0655 N91-13639
Free stream capturing in fluid conservation law for moving coordinates in three dimensions
[NASA-CR-177572] 07 p0938 N91-15139
Rotorcraft application of advanced computational aerodynamics
[NASA-CR-187767] 08 p1091 N91-15987
Grid generation about complex three-dimensional aircraft configurations
[NASA-CR-188097] 14 p2186 N91-22071
Power-on performance predictions for a complete generic hypersonic vehicle configuration
[NASA-CR-188152] 14 p2187 N91-22079

Computation of viscous blast wave flowfields
[NASA-CR-188080] 14 p2262 N91-22512
Development of a quiet supersonic wind tunnel with a cryogenic adaptive nozzle
[NASA-CR-186769] 15 p2384 N91-23195
Algorithm and code development for unsteady three-dimensional Navier-Stokes equations
[NASA-CR-188039] 20 p3341 N91-28503

MCDONALD OBSERVATORY, AUSTIN, TX.
Astrometry with the ATF
[NASA-CR-187293] 04 p0608 N91-13383
Observations of CH in comets P/Brorsen-Metcalf and P/Halley 12 p2002 N91-21017
The near ultraviolet spectra of comets P/Brorsen-Metcalf and Austin 12 p2003 N91-21022

MCDONNELL AIRCRAFT CO., SAINT LOUIS, MO.
Structural risk assessment and aircraft fleet maintenance 01 p0054 N91-10321
A unified approach to buffet response of fighter aircraft empennage 06 p0780 N91-14326
Geometric modeling applications interface program
[AD-A227651] 08 p1199 N91-16591
Second-order far field computational boundary conditions for inviscid duct flow problems
[AD-A233143] 16 p2625 N91-24535
Integrated control and avionics for air superiority: A knowledge-based decision aiding system 17 p2734 N91-25138
Aeroservoelastic stabilization techniques for hypersonic flight vehicles
[NASA-CR-187614] 22 p3623 N91-30156

MCDONNELL-DOUGLAS CORP., SAINT LOUIS, MO.
High-speed forebody-inlet code validation experience at MCAIR 17 p2773 N91-25348
Space transfer vehicles and space basing 20 p3300 N91-28254

MCDONNELL-DOUGLAS ELECTRONICS CO., SAINT LOUIS, MO.
Results from the cascaded variable conductance heatpipe experiment on LDEF 16 p2720 N91-25066
Post-flight characterization of optical system samples, thermal control samples, and detectors from LDEF experiment M0003, sub-experiments 6 and 13 16 p2721 N91-25068

MCDONNELL-DOUGLAS HELICOPTER CO., MESA, AZ.
Advanced technology landing gear. Volume 1: Design
[AD-A227196] 06 p0783 N91-14343
Advanced technology landing gear. Volume 2: Test
[AD-A227197] 06 p0783 N91-14344
Development and application of a technique for reducing airframe finite element models for dynamics analysis
[NASA-CR-187448] 07 p1021 N91-15607
Finite element modeling of the higher harmonic controlled OH-6A helicopter airframe
[NASA-CR-187449] 09 p1352 N91-17428
Aeroacoustics of rotorcraft 10 p1461 N91-18056
Plan, formulate, and discuss a NASTRAN finite element model of the AH-64A helicopter airframe
[NASA-CR-187446] 10 p1534 N91-18445
Development and applications of a multi-level strain energy method for detecting finite element modeling errors
[NASA-CR-187447] 11 p1722 N91-19478
ADFCS and NOTAR (trademark): Two ways to fix flying qualities 15 p2369 N91-23110
Technology needs for high-speed rotorcraft
[NASA-CR-177578] 15 p2374 N91-23136

MCDONNELL-DOUGLAS MISSILE SYSTEMS CO., SAINT LOUIS, MO.
Missile Datcom: User's manual
[AD-A237817] 21 p3452 N91-29148

MCDONNELL-DOUGLAS RESEARCH LABS., SAINT LOUIS, MO.
Nuclear magnetic resonance nondestructive evaluation of composite materials
[AD-A225268] 03 p0335 N91-11882
Vortex system evolution in 2- and 3-D swept trailing edge flows
[AD-A232692] 15 p2429 N91-23453
Computation of inlet/forebody interaction flowfields 17 p2772 N91-25342
Emissivity and transmissivity of a randomly laminar structure 22 p3660 N91-30377

MCDONNELL-DOUGLAS SPACE SYSTEMS CO., HOUSTON, TX.
Space Station Freedom altitude strategy 09 p1289 N91-17085
EVA/robotics integration for Space Station Freedom 15 p2451 N91-23583
On the optimal use of fictitious time in variation of parameters methods with application to BG14
[NASA-CR-185650] 23 p3919 N91-31890

MCDONNELL-DOUGLAS SPACE SYSTEMS CO., HUNTINGTON BEACH, CA.
Optimal aeroassisted orbital transfer with plane change using collocation and nonlinear programming 09 p1292 N91-17101
Innovations in dynamic test restraint systems 11 p1660 N91-19145
Space environmental effects on spacecraft thermal control coatings 11 p1660 N91-19148
A unique approach to space thermal simulation 11 p1661 N91-19153
A manned maneuvering unit proximity operations planning and flight guidance display and control system 12 p1847 N91-20151
The 21st century propulsion 14 p2201 N91-22155
Impact of propulsive advancements on capabilities of reusable Earth-to-orbit ships 16 p2569 N91-24236
Orbit transfer vehicle propulsion design: Trades and comparisons 16 p2573 N91-24260

MCDONNELL-DOUGLAS SPACE SYSTEMS CO., HUNTSVILLE, AL.
NASTRAN GPWG tables for combined substructures 12 p1912 N91-20512
Control and structural optimization for maneuvering large spacecraft
[NASA-CR-187490] 17 p2741 N91-25168
Advanced optical sensing and processing technologies for the distributed control of large flexible spacecraft
[NASA-CR-4399] 23 p3874 N91-31609

MCGILL UNIV., MONTREAL (QUEBEC).
Diurnal variation of marine stratocumulus over San Nicolas Island during the FIRE IFO 01 p0083 N91-10491
Physical properties and structure of ion-containing polymers
[AD-A238196] 21 p3489 N91-29363

MCMASTER UNIV., HAMILTON (ONTARIO).
A preliminary dedicated facility for Single Event Upset (SEU) testing of semiconductor components at the McMaster Accelerator Laboratory
[CTN-91-60218] 22 p3624 N91-30160
Evaluation of alternative methods for increasing tolerance to +Gz acceleration, phase 2
[CTN-91-60128] 22 p3720 N91-30704
Evaluation of alternative methods for increasing tolerance to +Gz. A preliminary study of dynamic leg exercise
[CTN-91-60213] 22 p3720 N91-30707
A feasibility study for construction of a dedicated on-line SEU beam facility at the McMaster University tandem Van de Graaff accelerator
[CTN-91-60180] 22 p3754 N91-30925

MECHANICAL TECHNOLOGY, INC., LATHAM, NY.
Computer-assisted strain-gage monitoring and data reduction system
[AD-A226894] 06 p0830 N91-14589
Reduction in bearing size due to superconductors in magnetic bearings 13 p2038 N91-21211

MEDICAL COLL. OF GEORGIA, AUGUSTA.
A review: The 13th Annual Conference on Shock
[AD-A237300] 22 p3717 N91-30690

MEDICINE AND DENTISTRY UNIV. OF NEW JERSEY, CAMDEN.
Metabolism of nonessential N15-labeled amino acids and the measurement of human whole-body protein synthesis rates 17 p2820 N91-25583

MEI ASSOCIATES, INC., LEXINGTON, MA.
Instructional Support System (ISS). Beginner's manual (Zenith 248 version only)
[PB91-127332] 13 p2131 N91-21734

MELBOURNE UNIV., PARKVILLE (AUSTRALIA).
Proceedings of the Gordon Conference on Photonuclear Reactions
[DE91-621717] 13 p2150 N91-21846
Ferroelectric and ferroelastic domain structures in piezoelectric ceramics
[DE91-618676] 16 p2607 N91-24449
A study of two nucleon W-matrices
[DE91-618203] 16 p2684 N91-24863
Hexadecapole systematics in the interacting boson model
[DE91-618305] 16 p2684 N91-24864
Relativistic spin-one boson plasma
[DE91-617613] 16 p2693 N91-24907
Fractal analysis of crystalline surfaces at atomic resolution
[DE91-617803] 16 p2696 N91-24927
Precision crystal alignment for high-resolution electron microscope imaging
[DE91-619397] 16 p2696 N91-24929
Entropy of random quantum states
[DE91-617585] 16 p2696 N91-24931
Inclusion of short-range order in a mean field theory for the disordered magnetic lattice gas
[DE91-617804] 16 p2696 N91-24932
Apatite fission track analysis of the Pacoota and Stairway Sandstones, Amadeus Basin, central Australia 19 p3198 N91-27679

MEMPHIS STATE UNIV., TN.
Study of the available finite element software packages at KSC 11 p1825 N91-20029

MEMRY TECHNOLOGIES, INC., NORWALK, CT.
Development of high damping ferrous shape memory alloys
[AD-A233543] 16 p2601 N91-24413

MERCER UNIV., MACON, GA.
Radiometer system requirements for microwave remote sensing from satellites 04 p0595 N91-13322

MERKEL AIRCRAFT CO., WICHITA, KS.
Sport aviation and safety 10 p1456 N91-18029

MESOSCALE ENVIRONMENTAL SIMULATIONS AND OPERATIONS, INC., HAMPTON, VA.
Model comparison of July 7, 1990 microburst 16 p2556 N91-24171

MESOSCALE ENVIRONMENTAL SIMULATIONS AND OPERATIONS, INC., TROY, NY.
The development of an improved convective initiation scheme for Mesoscale numerical weather prediction models, phase 1
[AD-A235417] 18 p3015 N91-26650

MESSERSCHMITT-BOELKOW-BLOHM/ENTWICKLUNG SPRING NORD, BREMEN (GERMANY, F.R.).
Columbus logistics support. A conceptional definition of the operational phase
[MBB-UO-0093-90-PUB] 01 p0015 N91-10091
Columbus elements processing needs at KSC
[MBB-UO-0092-90-PUB] 01 p0018 N91-10108
Non-linear vibration of large, imperfect space structures 02 p0160 N91-10930
Organisational aspects of assembly, integration and verification for Columbus 07 p0950 N91-15217

MESSERSCHMITT-BOELKOW-BLOHM G.M.B.H., BREMEN (GERMANY, F.R.).
EXPRESS: An experimental return service from orbit
[MBB-UO-0063-89-PUB] 03 p0321 N91-11793
Insert technology: Re-evaluation of the potting procedure 03 p0329 N91-11832
Status of ESA's composites design handbook for space structure applications 03 p0330 N91-11845
Industrial and scientific application of space travel 04 p0491 N91-12732
Development of a high performance heat pipe for thermal control in future spacecraft
[MBB-UO-0090-90-PUB] 04 p0493 N91-12740
Spacecraft autonomy concept validation by simulation: A feasibility assessment
[MBB-UO-0100-90-PUB] 04 p0493 N91-12741
Columbus generic element management and planning concept
[MBB-UO-0101-90-PUB] 04 p0493 N91-12742
Design, development, and verification of the EURECA A Orbit Transfer Assembly (OTA)
[MBB-UO-0102-90-PUB] 04 p0493 N91-12743
Mission characteristics and microgravity environment of the Columbus Free Flying Laboratory
[MBB-UO-0105-90-PUB] 04 p0494 N91-12744
Evaporation process and 3 phase flow in a water evaporator assembly
[MBB-UO-0106-90-PUB] 08 p1104 N91-16060
Common approach for planetary habitation systems implementation
[MBB-UO-0115-90-PUB] 08 p1195 N91-16570
Free flow electrophoresis experiment TEPE 3 on Texus 24
[MBB-UO-0130-90-PUB] 11 p1692 N91-19321
Free flow electrophoresis experiment TEPE 3 on TEXUS 24 11 p1755 N91-19654
MARS: A generic mission planning tool 14 p2215 N91-22238
Spacecraft autonomy concept validation by simulation: A feasibility assessment 14 p2215 N91-22243
Columbus generic element management and planning concept 14 p2216 N91-22244
Rationales for the selection of a parts procurement system (coordinated versus centralized) from a prime contractor point of view 24 p4002 N91-32371

MESSERSCHMITT-BOELKOW-BLOHM G.M.B.H., BRUSSELS (BELGIUM).
International cooperation in aeronautical research and development carried out by international organisations 04 p0462 N91-12586

MESSERSCHMITT-BOELKOW-BLOHM G.M.B.H., HAMBURG (GERMANY, F.R.).
Full scale fatigue and damage tolerance testing of modern transport aircraft 03 p0309 N91-11728

MESSERSCHMITT-BOELKOW-BLOHM G.M.B.H., MUNICH (GERMANY, F.R.).
MBB'S BO 108 design and development
[MBB-UD-0568-90-PUB] 01 p0009 N91-10055

Optimization criteria for the design of orbital replacement units
[MBB-UO-0092-90-PUB] 01 p0018 N91-10109
Holographic examination of great surface fiberbound components in industrial conditions: Resumes of final reports, April 1986 to June 1989
[MBB-Z-0306-90-PUB-KURZFASSUNG] 01 p0023 N91-10136
Calculation of viscous hypersonic flows using a coupled Euler/2nd order boundary layer method
[MBB/FE122/S/PUB/387] 02 p0161 N91-10935
Marginal aircraft release disturbance on advanced missiles
[MBB/FE121/S/PUB/329] 02 p0179 N91-11016
Review of active structural control systems and flight test techniques for dynamic stability investigations
[MBB/FYT256/S/PUB/361/A] 02 p0182 N91-11025
Ultrasonic examination of fiber composite materials by means of virtual C-scan test and model recognition
[MBB-Z-0299-89-PUB] 02 p0191 N91-11066
Biosensors: Development status
[MBB-Z-0305-90-PUB] 02 p0215 N91-11201
Requirements of an HMS/D for a night-flying helicopter
[MBB-UD-0570-90-PUB] 02 p0249 N91-11383
Use of the VP-200 computer for aerothermodynamic problems
[MBB/FE122/S/PUB/388] 02 p0256 N91-11424
EFA development: Key technology and design features
[MBB/FE44/S/PUB/0402] 03 p0312 N91-11749
Non-linear vibration of large, imperfect space structures
[MBB-UO-0080-90-PUB] 03 p0320 N91-11788
Guideline for orbital service technology (LOS)
[MBB-UO-0083-90-PUB] 03 p0321 N91-11794
Basic material data and structural analysis of fiber composite components for space application
[MBB-UD-582-90-PUB] 03 p0326 N91-11811
The application of three-dimensional fibre preforms for aerospace composite structures 03 p0327 N91-11822
Development of fabrication methods for metallic multilayer structures 03 p0331 N91-11849
Anisotropic etching of crystalline silicon in alkaline solutions. Part 1: Orientation dependence and behavior of passivation layers
[MBB-Z-0311-89-PUB-1-PT-1] 03 p0339 N91-11902
Anisotropic etching of crystalline silicon in alkaline solutions. Part 2: Influence of dopants
[MBB-Z-0311-89-PUB-2-PT-2] 03 p0339 N91-11903
The mechanism of electrochemical and anisotropic silicon etching and its applications
[MBB-Z-0190-89-PUB] 03 p0350 N91-11952
In orbit performance of the TV-SAT/TDF-1 heat pipe system
[MBB-UO-0098-90-PUB] 03 p0364 N91-12039
Flows in a free expansion nozzle
[MBB-UK-0088-90-PUB] 03 p0365 N91-12045
Verification of the NSFLEX process with different test cases
[MBB/FE122/S/PUB/390] 03 p0367 N91-12056
Structural and electronic properties of doped a-Si(1-x)Ge(x): H alloys grown with H-solution
[MBB-Z-0251-89-PUB] 03 p0424 N91-12375
Calculation of nonstationary two and three dimensional flows around a carrying wing using an implicit relaxation process, in order to solve the Euler equations
[MBB/FE122/S/PUB/394] 04 p0470 N91-12635
Test of turbulence models for hypersonic flows
[MBB/FE122/S/PUB/401] 04 p0472 N91-12643
MBB BO 108 helicopter ground and flight test evaluation
[MBB-UD-0546-89-PUB] 04 p0478 N91-12664
Analytical methods for the qualification of helicopter structures
[MBB-UD-0569-90-PUB] 04 p0478 N91-12666
Thirty years of structural dynamic investigations at MBB-UF
[MBB/FE2/S/PUB/0399] 04 p0480 N91-12676
The threat management for a modern fighter
[MBB/FE300/S/PUB/347] 04 p0480 N91-12678
Methods to preserve the integrity of a combat aircraft flight control system through major upgrade programmes 04 p0484 N91-12692
Investigations on the interface and mechanical properties of composites based on non impregnated carbon fibre reinforced thermoplastic preforms
[MBB-Z-0298-90-PUB] 04 p0497 N91-12757
MBB-LAGRANGE: Structural optimization system for space and aircraft structures
[MBB/FW522/S/PUB/406] 04 p0499 N91-12770
Assessment of the system reliability of modern communications satellite clusters
[MBB-UK-0033-89-PUB] 04 p0513 N91-12852
A central data management unit for a modern communication satellite system
[MBB-UK-0082-89-PUB] 04 p0513 N91-12853
Materials selection and structures for plasma accelerators in electrothermal guns
[MBB-Z-0303-90-PUB] 04 p0584 N91-13259
Influence of thermodynamical modelization for chemically reacting air flow
[MBB/FE122/S/PUB/400] 05 p0616 N91-13418
Generalized flux vectors for hypersonic shock capturing
[MBB/FE122/S/PUB/397] 05 p0617 N91-13423
Hypersonic aerodynamics: An approximation method for the calculation of real gas effects and wall temperatures
[MBB/FE127/S/PUB/0403] 06 p0777 N91-14306
Role of separation autopilots for modern missile concepts
[MBB/FE121/S/PUB/409/A] 06 p0785 N91-14352
New accurate, vectorized approximations of state surfaces for the thermodynamic and transport properties of equilibrium air
[MBB/FE122/S/PUB/0389] 06 p0884 N91-14886
Integrated design analysis and optimization
[MBB/FE2/S/PUB/0398] 07 p0939 N91-15145
D.C. magnetron sputtering of oxidation-resistant Cr and CrN films/monitored by optical emission spectrometry
[MBB-Z-0318-90-PUB] 07 p0978 N91-15366
LOOPUS Mob-D: System concept for a public mobile satellite system providing integrated digital services for the Northern Hemisphere from an elliptical orbit
[MBB-UK-0032-90-PUB] 07 p0996 N91-15467
Computer aided design and simulation of the automatic approach and landing phase of a combat aircraft 07 p1042 N91-15719
Numerical analysis of viscous hypersonic flow past a generic forebody
[MBB/FE122/S/PUB/0407] 08 p1092 N91-15997
Aerothermodynamic phenomena and the design of atmospheric hypersonic airplanes
[MBB/FE122/S/PUB/0408] 08 p1096 N91-16015
Hypersonic model configurations
[MBB/FE122/S/PUB/411] 08 p1096 N91-16016
The integration of structural optimization in the general design process for aircraft
[MBB/FE122/S/PUB/0405] 08 p1096 N91-16017
Bump examinations of integrally strengthened carbon fiber reinforced plastic panels
[MBB/FE281/CFK/PUB/0013] 08 p1107 N91-16076
THERMOPT: An optimizer for ESATAN models
[MBB/FW522/S/PUB/427] 08 p1206 N91-16630
Optical transceiver frontend for high speed bus STANAG 3910 with one fiber only
[MBB-UA-1182-90-PUB] 08 p1224 N91-16745
Propulsion system concept for the Eurofar tilt rotor aircraft
[MBB-UD-0573-90-PUB] 11 p1648 N91-19084
BO 108 development status and prospects
[MBB-UD-0574-90-PUB] 11 p1648 N91-19085
Development of bearingless tail rotors
[MBB-UD-0575-90-PUB] 11 p1648 N91-19086
Design and first tests of individual blade control actuators
[MBB-UD-0577-90-PUB] 11 p1648 N91-19087
Crashworthiness investigations in the preliminary design phase of the NH90
[MBB-UD-0579-90-PUB] 11 p1648 N91-19088
New computer codes for the structural analysis of composite helicopter structures
[MBB-UD-0580-90-PUB] 11 p1649 N91-19089
MBB's involvement in military helicopter programmes
[MBB-UD-0588-90-PUB] 11 p1649 N91-19091
I'm all 'light' Jack
[MBB-UD-0576-90-PUB] 11 p1651 N91-19101
Airport apron research and development
[MBB-Z-0168-90-PUB] 11 p1652 N91-19106
Airport system technical aspects 11 p1652 N91-19107
Noise level reduction inside helicopter cabins
[MBB-UD-0578-90-PUB] 11 p1791 N91-19828
A gradient microphone for locating sound targets
[MBB-Z-0341-90-PUB] 11 p1792 N91-19829
Fiber optic interferometric measuring method for the determination of a very small polarization coefficient
[MBB-UA-1185-90-PUB] 11 p1799 N91-19876
Light guide fibers
[MBB-UA-1199-90-PUB] 11 p1799 N91-19877
An iterative procedure for the design of pressure-specified 3-dimensional configurations at subsonic and supersonic speeds by means of a higher-order panel method
[MBB-FE122/S/PUB/375] 14 p2194 N91-22118
Establishing a software product assurance databank for software reliability design, development, and assessment 14 p2220 N91-22271
Structural optimization with constraints from dynamics in LAGRANGE
[MBB-FW522/S/PUB/431] 14 p2234 N91-22362
Problems of hypersonic aerothermodynamics
[MBB-FE202/5/PUB/436] 15 p2365 N91-23090
X-31A at first flight 15 p2373 N91-23131
Highly integrated ducted rocket propulsion modules for future hypersonic tactical missiles 15 p2380 N91-23171
Development of a relatchable cover mechanism for a cryogenic IR-sensor 16 p2640 N91-24612
Analytical methods for the qualification of helicopter structures 16 p2646 N91-24650
Long Duration Exposure Facility (LDEF) results 16 p2720 N91-25063
Radiometric noise in digitized photographs
[MBB-Z-0170-90-PUB] 17 p2780 N91-25384
Development of undercarriage design loads 20 p3283 N91-28153
Considerations on optimality of landing gear arrangement and design 20 p3283 N91-28156
Avionics systems for future helicopters
[MBB-UD-0591-90-PUB] 22 p3620 N91-30139
Manufacturing and mechanical properties of fiber composite materials with textile preforms
[MBB-Z-0325-90-PUB] 22 p3645 N91-30286
Microfractography of fiber reinforced composite materials
[MBB-Z-0326-90-PUB] 22 p3645 N91-30287
Thermal analysis for the examination and determination of processing conditions for structural fiber composite materials and bonding agents in air and space navigation
[MBB-Z-0344-90-PUB] 22 p3645 N91-30288
Magnetron sputtering on 3-dimensional shaped components: Coating less accessible parts through substrate motion
[MBB-Z-0308-90-PUB] 22 p3651 N91-30320
Superplasticity in use: A critical review of its status, trends, and limits
[MBB-Z-0309-90-PUB] 22 p3651 N91-30321
Structural bonding on aluminium: Interface morphology and chemistry
[MBB-Z-0321-90-PUB] 22 p3652 N91-30322
Copper diffusion in pure aluminum cladding: Mechanism and influence on corrosion behavior
[MBB-Z-0323-90-PUB] 22 p3652 N91-30323
Examinations of corrosion behavior for aluminum lithium alloys
[MBB-Z-0324-90-PUB] 22 p3652 N91-30324
Automatized ultrasonic examination of copper forging blanks for the Ariane driving gear
[MBB-Z-0327-90-PUB] 22 p3690 N91-30548
Utilization of Computer Aided Design (CAD)/Computer Aided Engineering (CAE) systems in an aircraft industrial plant
[MBB-UD-0583-90-PUB] 22 p3729 N91-30761
Preparation of crystalline SiC thin films by PECVD and by ion beam modification of silicon
[MBB-Z-0349-90-PUB] 22 p3761 N91-30964
A shock-fitting algorithm for the simulation of inviscid flows in chemical non-equilibrium
[MBB-UK-0131-90-PUB] 23 p3782 N91-31087
Viscous effects
[MBB-FE202/S/PUB/441] 23 p3782 N91-31088
Noxious matter minimization as a project criterion for aircraft
[MBB-Z-0337-90-PUB] 23 p3790 N91-31134
Enhanced fighter maneuverability aircraft (X-31A) wing and thrust vectoring vane design
[MBB-FE22/S/PUB/0433/A] 23 p3790 N91-31135
Simulation of distance-dependent functions in visual systems for training simulators using the z-buffer technique
[MBB-UA-1190-90-PUB] 23 p3798 N91-31186
Adhesion of thick layer systems on ceramic based precious metals in hybrid microelectronic circuits
[MBB-UA-1191-90-PUB] 23 p3819 N91-31304
Stereophotogrammetric surveying and interpreting method, and interpreting apparatus
[PATENT-1-254-651] 23 p3887 N91-31693
Development of single blade rotor wind energy converters: From M400 prototype to MON 50 preseries
[MBB-UE-0015-90-PUB] 23 p3889 N91-31705
Micromechanical concepts in optics and optoelectronics
[MBB-Z-0339-90-PUB] 23 p3928 N91-31949
Withstanding voltage degradation of EEE components due to cavity pressure loss 24 p3993 N91-32313
Total dose characterization of new components for the ESA radiation effects database 24 p4000 N91-32362
A statistical evaluation of EEE-parts procurement data from telecommunication satellites 24 p4001 N91-32368

MESSERSCHMITT-BOELKOW-BLOHM G.M.B.H., OTTOBRUNN (GERMANY, F.R.).
Multiwall thermal protection system engineering aspects 03 p0331 N91-11847
The electric power feeding on signal/electric power supply circuits, as a process for the simulation of external radio-frequency interferences
[MBB/FE324/S/PUB/378] 03 p0361 N91-12023
Technological fields and profiles in space travel: Prospects for small and middle size companies 04 p0491 N91-12733
Technological management as an element of strategy for an efficient company management
[MBB-Z-0307-90-PUB] 08 p1240 N91-16834
System design for the Tiger helicopter
[MBB-UD-0581-90-PUB] 11 p1649 N91-19090
Application of functional gradient materials in the aerospace industry
[MBB-Z-0320-90-PUB] 11 p1690 N91-19311
C-band antennas for regional communication systems
[MBB-UK-0107-90-PUB] 11 p1695 N91-19336
Non-homogeneous bars under tension, pure bending, and temperature loads
[MBB-UD-0572-90-PUB] 11 p1723 N91-19485
Experimental equipment for space biology
[MBB-UO-0096-90-PUB] 11 p1764 N91-19708
Thermal insulation of a cryogenic tank for a space telescope using a pretensioned suspension of Fiber Reinforced Composite (FRC)
[MBB-UD-0571-90-PUB] 11 p1817 N91-19981
Monolithic CFC-main landing gear door for Tornado
[MBB/FE212/CFK/PUB/014/1] 19 p3104 N91-27150
Aerothermodynamical project of hypersonic projectiles
[MBB-UA-1193-90-PUB] 23 p3782 N91-31086
Possibilities of simulation and optimization for guided missile systems
[MBB-UA-1201-90-PUB] 23 p3798 N91-31183
The SAENGER concept and the German hypersonic technology program
[MBB-UK-0132-91-PUB] 23 p3801 N91-31198
The physical properties of a pyrotechnical circuit element
[MBB-UA-1132-90-PUB] 23 p3821 N91-31317
The microcrystal laser: A first step on the way to a laser microsystem
[MBB-Z-0336-90-PUB] 23 p3878 N91-31635
Fuel cells for commercial energy
[MBB-UE-0018-90-PUB] 23 p3889 N91-31706
Construction and realization of distributed multiprocessor systems for real time tasks
[MBB-UA-1189-90-PUB] 23 p3916 N91-31871

MESSERSCHMITT-BOELKOW-BLOHM G.M.B.H., SCHROBENHAUSEN (GERMANY, F.R.).
Measuring and simulation of steady shock wave profiles in Armco iron
[MBB-UA-1144-89-PUB] 03 p0382 N91-12130
Diagnostic of the reaction behaviour of intensive high explosives under jet attack
[MBB-UA-1188-90-PUB] 08 p1123 N91-16173
Fragment mass distribution of debris
[MBB-UA-1187-90-PUB] 08 p1212 N91-16669

MESSIER-HISPANO-BUGATTI S.A., MONTROUGE (FRANCE).
Numerical simulation of the dynamic behavior of landing gears 20 p3284 N91-28160

METAL AIR TECHNOLOGY SYSTEMS INTERNATIONAL, INC., LAWRENCEVILLE, GA.
Zinc air battery development for electric vehicles
[DE90-016639] 02 p0205 N91-11149

METALLGESELLSCHAFT, A.G., FRANKFURT AM MAIN (GERMANY, F.R.).
Demixing of a monotectic ternary alloy (TEXUS 20) 23 p3843 N91-31429

METEOROLOGICAL OFFICE, BRACKNELL (ENGLAND).
Experience gained in operation of the VLF ATD lightning location system 24 p4064 N91-32707

METEOROLOGICAL OFFICE, LONDON (ENGLAND).
Preliminary mixed-layer model results for FIRE marine stratocumulus IFO conditions 01 p0084 N91-10495
An overview of UK C130 observations from the FIRE marine stratocumulus IFO 01 p0089 N91-10520
A preliminary analysis of LANDSAT and UK C130 data from Mission 197-A, on 16 July 1987 01 p0092 N91-10535

METEOROLOGICAL SATELLITE CENTER, TOKYO (JAPAN).
Meteorological Satellite Center Technical Note. Special Issue (1989). Summary of GMS System. 1: Telecommunication System 01 p0057 N91-10338
Outline of the GMS telecommunication system 01 p0057 N91-10339
Outline of CDAS telecommunication system 01 p0058 N91-10340
Station control and monitor subsystem 01 p0058 N91-10341
VISSR demodulate and processing subsystem 01 p0058 N91-10342
Stretched VISSR subsystem 01 p0058 N91-10343
Image monitor 01 p0058 N91-10344
Telemetry subsystem 01 p0058 N91-10345
Command subsystem 01 p0058 N91-10346
Trilateration ranging subsystem 01 p0058 N91-10347
Antenna/transmitter control unit 01 p0059 N91-10348
Frequency standard unit 01 p0059 N91-10349
Operation console 01 p0059 N91-10350
System console 01 p0059 N91-10351
DCP subsystem 01 p0059 N91-10352
WEFAX subsystem 01 p0059 N91-10353
DPC telecommunication system 01 p0059 N91-10354
Microwave link 01 p0059 N91-10355
Meteorological Satellite Center Technical Note. Special Issue (1989). Summary of GMS System. 2: Data Processing 01 p0060 N91-10356
Computer system 01 p0060 N91-10357
General flow of image data processing 01 p0060 N91-10358
Image mapping 01 p0060 N91-10359
Calibration 01 p0060 N91-10360
FAX image processing 01 p0060 N91-10361
Satellite-derived index of precipitation intensity 01 p0060 N91-10362
ISCCP data processing 01 p0060 N91-10363
Pre-processing of image data 01 p0061 N91-10364
Cloud motion wind 01 p0061 N91-10365
Typhoon information 01 p0061 N91-10366
VTR loop movie 01 p0061 N91-10367
VISSR histogram data 01 p0061 N91-10368
Brightness temperature distribution 01 p0061 N91-10369
GPCP data processing 01 p0062 N91-10370
Cloud grid data 01 p0062 N91-10371
Sea surface temperature 01 p0062 N91-10372
Cloud amount distribution 01 p0062 N91-10373
Satellite cloud information chart 01 p0062 N91-10374
DCP data processing 01 p0062 N91-10375
Meteorological Satellite Center Technical Note, no. 21, 1990
[ISSN-0388-9653] 16 p2649 N91-24661
Characteristics of GMS-4 VISSR 16 p2649 N91-24662
Influence of the polar atmosphere on the image mapping using earth edge date 16 p2649 N91-24663
A usage of wind data derived from GMS in the upper tropics 16 p2650 N91-24664
Added information by man-machine interactive operation of the SCIC 16 p2650 N91-24665
An estimation of surface wind profile within the range of 200 km from a typhoon center using GMS images 16 p2650 N91-24666
The representation of Cb cluster's life cycle using TBB data and radar data 16 p2650 N91-24667
Scintillation observed on the GMS communication link 16 p2650 N91-24668

METHODIST HOSPITAL, INDIANAPOLIS, IN.
US space flight experience. Physical exertion and metabolic demand of extravehicular activity: Past, present, and future 01 p0099 N91-10575
The history of in-flight exercise in the US manned space program 01 p0099 N91-10577

METRAVIB, LYON (FRANCE).
Vaudreuil (France) large hydrodynamic tunnel: Acoustic chamber damping
[METRAVIB-RDS-1-007-67] 23 p3783 N91-31090

METRICA, INC., SAN ANTONIO, TX.
The Integrated Decision Modeling System (IDMS) user's manual
[AD-A236033] 22 p3726 N91-30736

METROLASER, IRVINE, CA.
A compact programmable laser Doppler velocimeter for marine applications
[AD-A229333] 22 p3681 N91-30496

METSAT, INC., FORT COLLINS, CO.
Cloud data collection, composites and analysis for Whole-Sky Imager (WSI) studies
[AD-A238531] 21 p3544 N91-29690

METZ UNIV. (FRANCE).
Experimental investigation of adiabatic shear banding at different impact velocities
[AD-A237901] 21 p3532 N91-29625

MIAMI UNIV., CORAL GABLES, FL.
Human factors of the high technology cockpit 02 p0163 N91-10943
Magnetic multilayer interface anisotropy
[DE91-000702] 03 p0338 N91-11896
Electronic collaboration: Some effects of telecommunication media and machine intelligence on team performance 12 p1949 N91-20720
Infrared and visible studies of Pakistan portion of Arabian Sea using INSAT geostationary satellite 15 p2456 N91-23611
Human factors of flight-deck checklists: The normal checklist
[NASA-CR-177549] 19 p3103 N91-27144
An isopycnic coordinate numerical model of the Agulhas Current with comparison to observations
[AD-A236022] 19 p3205 N91-27716
Experimental and theoretical investigation of unsteady forced convection in ducts 20 p3345 N91-28524

MIAMI UNIV., FL.
Observation of stratiform rain with 94 GHz and Ka-band radars
[AD-A225832] 04 p0549 N91-13045

MICHIGAN STATE UNIV., EAST LANSING.
Nonlinear interactions in rotordynamics 03 p0372 N91-12085
Optimal control in constrained multibody mechanical systems 03 p0409 N91-12282
Localize and identify the gravity sensing mechanism of plants
[NASA-CR-187411] 05 p0690 N91-13841
Galaxy interactions and strength of nuclear activity 08 p1256 N91-16914
Scaling theory and simulations of fracture in disordered media
[DE91-008516] 12 p1915 N91-20536
First principles theory of the interaction of hydrogen with surfaces and bulk of transition metals
[AD-A231248] 13 p2051 N91-21285
Radar target discrimination and identification using extinction-pulses and single-mode extraction pulses
[AD-A232162] 15 p2414 N91-23368
Control of single-link flexible manipulators fabricated from advanced composite laminates and smart materials incorporating electro-rheological fluids 16 p2634 N91-24581
Effects of external forcing on entrainment ratio and fluid composition in turbulent shear layers
[AD-A236487] 19 p3164 N91-27495
Softening mechanisms and microstructural instabilities during high temperature, low cycle fatigue of Ni, Ni3Al, and their metal matrix composites
[DE91-012714] 20 p3304 N91-28287
The numerical solution of confined laminar flow past a moving boundary 20 p3346 N91-28532
Numerical simulation of the air and fuel mixing process in fuel-injected engines using discrete vortex dynamics 20 p3356 N91-28587
Multiobjective optimization design strategies for articulating mechanisms and robotic manipulators fabricated from advanced polymeric fiber-reinforced composite materials 22 p3684 N91-30515
Study of flow properties of wet solids using laser induced photo chemical anemometry
[DE91-016877] 24 p4016 N91-32454

MICHIGAN TECHNOLOGICAL UNIV., HOUGHTON.
Olympus receiver evaluation and phase noise measurements 03 p0351 N91-11960
Scattering measurements on natural and model trees 08 p1216 N91-16691
Fundamental research on porous glass desiccants
[PB90-260530] 09 p1318 N91-17236
An indirect boundary element method for isotropic and orthotropic plates 09 p1352 N91-17426
A comparison of microwave versus direct solar heating for lunar brick production 14 p2204 N91-22172
Planetary materials and resource utilization: An interdisciplinary engineering design course at Michigan Technological University 14 p2205 N91-22180
Boundary stability under nonequilibrium conditions
[DE91-009262] 15 p2401 N91-23293
Utilization of lunar ilmenite: Basalt or regolith? 17 p2902 N91-26030
Consolidation of lunar regolith: Microwave versus direct solar heating 17 p2906 N91-26050
Deformation analysis of rotary combustion engine housings
[NASA-CR-188187] 19 p3105 N91-27158
Fundamental theory of crystal decomposition
[AD-A236637] 20 p3423 N91-28988
Ceramic composition
[PATENT-1-249-609] 23 p3817 N91-31294

MICHIGAN UNIV., ANN ARBOR.
Three-dimensional full-wave analysis of signal communications in active integrated circuits using a variable-mesh TLM method 01 p0036 N91-10212
Mass transfer in oscillating flows: Efficient drying via pulse combustors
[PB90-242389] 01 p0040 N91-10235
Combined design of structures and controllers for optimal maneuverability 01 p0053 N91-10314

Users manual for AUTOMESH-2D: A program of automatic mesh generation for two-dimensional scattering analysis by the finite element method
[NASA-CR-186929] 01 p0107 N91-10623
Investigation of Markarian galaxies with multiple nuclei 01 p0138 N91-10813
A viscous-inviscid interactive method for unsteady flows 02 p0209 N91-11172
Injector and valve train friction studies: Cummins L-10 engine
[DE90-017288] 02 p0219 N91-11225
Contact and impact problems using adaptive finite element methods 02 p0221 N91-11239
Estimation of seasonal and annual acidic deposition through aggregation of three-day episodic periods
[PB90-252628] 02 p0233 N91-11303
Hypersonic aerodynamics and control
[AD-A225058] 03 p0301 N91-11678
Nonlinear computational models for composite materials using homogenization 03 p0325 N91-11807
Structure of combusting monopropellant sprays at high-pressures 03 p0336 N91-11883
Structure and mixing properties of the near-injector region of nonevaporating pressure-atomized sprays 03 p0362 N91-12028
Numerical simulations of vortex interactions with a free surface 03 p0362 N91-12030
Multipurpose 2000 C furnace for physical testing in controlled atmosphere
[AD-A224851] 03 p0369 N91-12067
Parametric resonance of arbitrarily layered composite circular cylindrical shells 03 p0375 N91-12099
Robustness of feedback systems with several modelling errors
[AD-A225365] 03 p0409 N91-12286
High speed devices based on lattice matched and pseudomorphically strained quantum wells for optoelectronic integrated circuits
[AD-A225052] 03 p0423 N91-12367
Study on fault-tolerant processors for advanced launch system
[NASA-CR-188955] 04 p0490 N91-12721
Computer program for mode search in partially-filled waveguide
[AD-A225943] 04 p0514 N91-12860
Theoretical and experimental study of microstrip discontinuities in millimeter wave integrated circuits
[AD-A225942] 04 p0519 N91-12887
Microwave excitation of copper vapor plasmas
[DE91-000588] 04 p0585 N91-13262
Mesoscale monitoring of the soil freeze/thaw boundary from orbital microwave radiometry
[NASA-CR-185901] 05 p0686 N91-13817
Examples of finite element mesh generation using SDRC IDEAS
[NASA-CR-186962] 05 p0699 N91-13893
Regularized Chapman-Enskog expansion for scalar conservation laws
[NASA-CR-187441] 05 p0711 N91-13966
The large-scale space distribution of emission-line galaxies 05 p0732 N91-14091
Narrow band images of suspected cooling flow galaxies 05 p0748 N91-14168
Task reports on developing techniques for scattering by 3D composite structures and to generate new solutions in diffraction theory using higher order boundary conditions
[NASA-CR-186899] 06 p0810 N91-14475
A finite element conjugate gradient FFT method for scattering 06 p0811 N91-14476
Analytical solutions with Generalized Impedance Boundary Conditions (GIBC) 06 p0811 N91-14477
Acceleration techniques for explicit Euler codes 06 p0824 N91-14555
Some problems in elastic contact and fracture 06 p0837 N91-14625
Multiband radar characterization of forest biomes
[NASA-CR-185101] 06 p0839 N91-14638
Theory and measurements of nighttime horizontal gradients in the mid-latitude F region 06 p0846 N91-14671
Infrared fluorescence from PAHs in the laboratory 06 p0893 N91-14934
Time-constrained optimal impulsive orbit transfer 07 p0949 N91-15211
An analysis of CCD images of the coma of Comet Halley
[NASA-CR-187725] 07 p1082 N91-15954
Distribution of gas in the inner comae of comets
[NASA-CR-187723] 07 p1082 N91-15955
High frequency scattering by a smooth coated cylinder simulated with generalized impedance boundary conditions
[NASA-CR-187829] 08 p1129 N91-16211
Ion beam modification of surface for improved high temperature performance
[AD-A228067] 08 p1134 N91-16243
Excursions to the base of the mantle 08 p1179 N91-16491
Theory of non-equilibrium growth
[DE91-004159] 08 p1221 N91-16725
Time-optimal attitude control of a spinning missile 09 p1285 N91-17063
Planar motion of a tethered satellite-platform system in a slightly elliptic orbit 09 p1297 N91-17118
Flame stability and characterization of swirl-stabilized flames, phase 1
[PB91-101931] 09 p1308 N91-17176
The role of grain boundary chemistry and structure in the environmentally-assisted intergranular cracking of nickel-base alloys
[DE91-004588] 09 p1312 N91-17203
Millimeter-wave radar scattering from terrain: Data handbook, version 2.0
[AD-A228392] 09 p1322 N91-17260
A combined finite element-boundary element formulation for solution of axially symmetric bodies
[NASA-CR-187886] 09 p1324 N91-17268
The mechanism of scuffing in lubricated sliding 09 p1345 N91-17392
Limit analysis in plane strain: The lower bound approach 09 p1349 N91-17412
Collaborative studies of polar cap ionospheric dynamics
[AD-A229153] 09 p1365 N91-17502
A geometric investigation of the skeleton of CSG objects
[AD-A229292] 09 p1391 N91-17654
Nonlinear optical studies of relaxation in semiconductor microstructures 09 p1409 N91-17753
The computerized comprehensibility system maintainer's guide
[AD-A229123] 09 p1422 N91-17830
Project EGRESS: The design of an assured crew return vehicle for the space station 10 p1478 N91-18142
The use of function generation in the real-time simulation of stiff systems 10 p1534 N91-18446
Basic research model of natural gas combustion in turbulent flow
[PB91-130260] 11 p1681 N91-19264
Task reports on developing techniques for scattering by 3D composite structures and to generate new solutions in diffraction theory using higher order boundary conditions
[NASA-CR-188057] 11 p1688 N91-19305
A finite element conjugate gradient FFT method for scattering 11 p1689 N91-19306
Analytical solutions with Generalized Impedance Boundary Conditions (GIBC) 11 p1689 N91-19307
Characterization of devices, circuits, and high-temperature superconductor transmission lines by electro-optic testing
[NASA-CR-187950] 11 p1696 N91-19343
A finite element-boundary integral method for scattering and radiation by two- and three-dimensional structures
[NASA-CR-188071] 12 p1884 N91-20359
Adaptive control of space based robot manipulators 12 p1936 N91-20649
Flux-vector splitting for the 1990s 13 p2013 N91-21073
The interaction phenomena between adjacent detonating layers
[AD-A231761] 14 p2264 N91-22522
Degassing 14 p2346 N91-22974
Real-time simulation of constrained dynamic systems 15 p2383 N91-23189
Mechanistic studies of pressure-assisted superplasticity of structural ceramics
[AD-A232034] 15 p2406 N91-23322
An experimental investigation of vortex pair interaction with a clean or contaminated free surface 15 p2422 N91-23419
High resolution measurements of strained diffusion and reaction layer structure and extinction in turbulent flows
[AD-A232794] 15 p2429 N91-23456
Neutral wind vortices in the high-latitude thermosphere 15 p2468 N91-23673
DARPA-Materials Research Council Summer Conference
[AD-A233401] 16 p2590 N91-24352
Structure and radiation properties of turbulent diffusion flames 16 p2592 N91-24364
Load transfer mechanisms in anchored geosynthetic systems
[AD-A232798] 16 p2613 N91-24466
Applications of the conjugate gradient FFT method in scattering and radiation including simulations with impedance boundary conditions
[NASA-CR-188214] 16 p2617 N91-24485
Intense microsecond electron beam interactions with low pressure gases
[AD-A233004] 16 p2692 N91-24902
High-toughness graphite/epoxy composite material experiment 16 p2719 N91-25052
Turbulent premixed hydrogen/air flames
[AD-A235109] 18 p2950 N91-26278
Non-destructive evaluation of residual stresses in thin films via x ray diffraction topography methods
[AD-A235328] 18 p2997 N91-26552
The analysis of a rocket tomography measurement of the N2+3914A emission and N2 ionization rates in an auroral arc
[NASA-CR-188622] 18 p3005 N91-26596
Development of a Vector Spherical Harmonic (VSH) model of the neutral thermosphere
[AD-A234744] 18 p3012 N91-26631
Ocean acoustic tomography and telemetry
[AD-A233826] 18 p3017 N91-26659
The 12th International Conference on Atomic Physics
[AD-A234876] 19 p3240 N91-27919
Use of a rotated Riemann solver for the two-dimensional Euler equations 20 p3346 N91-28530
New techniques for positron emission tomography in the study of human neurological disorders
[DE91-013855] 20 p3381 N91-28728
Emission line regions in active galactic nuclei: Structure, kinematics, physical conditions, and chemical abundances 20 p3441 N91-29095
Study of gravitational collapse and cosmic ray abundances 20 p3443 N91-29105
The gamma ray content of ultrahigh energy cosmic radiation 20 p3448 N91-29135
Combustion stability limits and planar imaging of swirl-stabilized flames 21 p3473 N91-29262
Investigation of superresolution by incoherent to coherent conversion
[AD-A238111] 21 p3519 N91-29544
Performance models for robot manipulators 21 p3527 N91-29590
Structural optimization with pseudo-load approach exploiting design length scales 21 p3531 N91-29616
Methods for evaluating discomfort glare
[PB91-185132] 21 p3549 N91-29722
Synchrotron studies of narrow band materials
[DE91-014826] 21 p3599 N91-30025
A fundamental study of nucleate pool boiling under microgravity
[NASA-CR-188732] 22 p3655 N91-30345
A study of forced convection boiling under reduced gravity
[NASA-CR-186266] 22 p3656 N91-30351
The influence of a free surface on the development of turbulence in a submerged jet 22 p3673 N91-30451
Numerical simulations of multifluid flows 22 p3674 N91-30457
Stability of thermoelastic contact 22 p3692 N91-30556
An investigation on the multiorder Fabry-Perot interferometer as a satellite-borne high-resolution atmospheric temperature sounder 22 p3705 N91-30624
Thermal ion upwelling in the high-latitude ionosphere 22 p3706 N91-30625
A numerical analysis of plane strain drawing employing experimentally measured traction as boundary conditions 22 p3709 N91-30643
Use of edge-based finite elements for solving three dimensional scattering problems
[NASA-CR-188735] 22 p3744 N91-30860
Modeling x-ray laser gain in recombining plasmas 22 p3756 N91-30937
EXAM: A search for extragalactic antimatter 24 p4121 N91-33035
Vertical mixing and methane photochemistry in the atmosphere of Uranus: Analysis of Voyager UVS occultation experiments
[NASA-CR-188789] 24 p4123 N91-33042

MICRO CRAFT, INC., TULLAHOMA, TN.
Unsteady Navier-Stokes solutions for a low aspect ratio delta wing
[AD-A233201] 16 p2547 N91-24112

MICRO ELECTRONICS A.S. SPACE, HORTEN (NORWAY).
Application of SAW technology in satellites for mobile services 13 p2030 N91-21163

MICROELECTRONICS AND COMPUTER TECHNOLOGY CORP., AUSTIN, TX.
AiGERM: A logic programming front end for GERM 13 p2167 N91-21957

MICROFAB TECHNOLOGIES, INC., PLANO, TX.
Study of orifice fabrication technologies for the liquid droplet radiator
[NASA-CR-187114] 14 p2236 N91-22372

MICROTECNICA, TURIN (ITALY).
Microgravity tests on Spacelab water and freon pumps
07 p0959 N91-15275
MIDDLE EAST TECHNICAL UNIV., ANKARA (TURKEY).
Growth of short fatigue cracks in 7075-T6 aluminum alloy
02 p0224 N91-11249
MIDDLE TENNESSEE STATE UNIV., MURFREESBORO.
Is it possible to identify a trend in problem/failure data
10 p1627 N91-18975
Nuclear structure studies via neutron interactions
[DE91-012165] 20 p3398 N91-28831
MIDWEST RESEARCH INST., GOLDEN, CO.
Materials analysis and device optimization of CuInSe2 solar cells
[DE90-000365] 01 p0064 N91-10384
Ion-assisted doping of 2-6 compounds during physical vapor deposition
[DE90-000358] 01 p0128 N91-10756
High efficiency CuInSe2 and CuInGaSe2 cells and materials research
[DE90-000362] 02 p0229 N91-11280
Conceptual design of an Open-Cycle Ocean Thermal Energy Conversion Net Power-Producing Experiment (OC-OTEC NPPE)
[DE90-000304] 02 p0229 N91-11282
Assessment of municipal solid waste for energy production in the Western United States
[DE90-000361] 02 p0230 N91-11283
Evaluation of a high-temperature burner-duct-recuperator system
[DE90-000366] 02 p0230 N91-11284
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
Performance and cost projections for advanced wind turbines
[DE90-000370] 02 p0230 N91-11286
Atmospheric performance of the special-purpose Solar Energy Research Institute (SERI) thin-airfoil family: Final results
[DE90-000373] 02 p0230 N91-11287
Electronic processes in thin film PV materials
[DE90-000359] 02 p0232 N91-11295
Research on high-efficiency, multiple-gap, multi-junction amorphous silicon-based alloy thin-film solar cells
[DE90-000364] 02 p0232 N91-11296
Analysis of loss mechanisms in polycrystalline thin film solar cells
[DE90-000372] 02 p0232 N91-11297
Structure of amorphous-silicon and germanium alloy films
[DE90-000355] 02 p0277 N91-11557
SERI Workshop on the Role of Point Defects/Defect Complexes in Silicon Device Fabrication
[DE90-000377] 02 p0280 N91-11572
CO2 sources for microalgae-based liquid fuel production
[DE90-000367] 04 p0511 N91-12839
Amorphous silicon solar cells prepared at high deposition rates
[DE90-000371] 04 p0543 N91-13012
SERI photovoltaic subcontract reports: Abstracts and document control information
[DE90-000378] 05 p0682 N91-13792
Carbon dioxide release from Ocean Thermal Energy Conversion (OTEC) cycles
[DE89-009504] 05 p0685 N91-13809
A discussion of the results of an in-situ comparison of three full-vector anemometers
[DE91-002113] 06 p0827 N91-14572
The high cost of low quality in R/D (Research and Development)
[DE91-002118] 06 p0836 N91-14621
High efficiency cadmium and zinc telluride-based thin film solar cells
[DE91-002112] 06 p0840 N91-14643
Load response of horizontal-axis wind turbines to turbulence
[DE90-000375] 06 p0841 N91-14644
The sensitivity of wind technology utilization to cost and market parameters
[DE91-002122] 07 p1026 N91-15629
Novel thin-film CuInSe2 fabrication
[DE90-000345] 07 p1072 N91-15901
Electrochromic sun control coverings for windows
[DE90-000335] 08 p1117 N91-16139
High-efficiency large-area CdTe panels
[DE91-002117] 08 p1170 N91-16443
Low-cost CdZnTe devices for cascade cell application
[DE91-002116] 08 p1170 N91-16444
Smoothing and scaling airfoil coordinates on a personal computer
[DE89-000878] 08 p1198 N91-16582
Hydrogen from renewable resources research
[DE91-005038] 09 p1355 N91-17441
Analysis of applications of solar technology for the treatment of chlorinated organic waste
[DE91-002121] 09 p1382 N91-17483
Research on polycrystalline thin-film materials, cells, and modules
[DE91-002124] 09 p1415 N91-17789
Conservation and renewable energy technologies for transportation
[DE91-002103] 10 p1539 N91-18473
Research on stable, high-efficiency, large-area amorphous silicon based modules, task B
[DE91-002115] 10 p1539 N91-18474
Solar reflector soiling pattern distributions and reflectance measurement requirements
[DE89-009431] 10 p1540 N91-18476
Amorphous silicon research project government/industry program
[DE90-000376] 10 p1540 N91-18477
Improvement of bulk and epitaxial III-V semiconductors for solar cells by creation of denuded recombination zones
[DE90-000387] 10 p1540 N91-18478
Photovoltaic advanced research and development project: Solar radiation research
[DE91-002119] 10 p1540 N91-18479
Influences of atmospheric conditions and air mass on the ratio of ultraviolet to total solar radiation
[DE90-000368] 10 p1543 N91-18494
Fundamentals of polycrystalline thin film materials and devices
[DE91-002130] 10 p1608 N91-18874
Insolation data manual: Long-term monthly averages of solar radiation, temperature, degree-days, and global K(sub T) for 248 National Weather Service stations and direct normal solar radiation data manual: Long-term, monthly mean, daily totals for 235 National Weather Service stations
[DE90-000353] 10 p1625 N91-18961
Solar radiation resource assessment: An overview
[DE91-002104] 10 p1625 N91-18962
InP/Ga0.47In0.53As monolithic, two-junction, three-terminal tandem solar cells
11 p1668 N91-19191
Recent advances in the ITO/InP solar cell
11 p1670 N91-19202
Results of scoping tests for open-cycle OTEC (Ocean Thermal Energy Conversion) components operating with seawater
[DE89-009514] 11 p1725 N91-19501
Solid State Photovoltaic Research Branch
[DE91-002128] 11 p1725 N91-19502
Photovoltaic module reliability workshop
[DE91-002120] 12 p1919 N91-20560
Optimization of transparent and reflecting electrodes for amorphous silicon solar cells
[DE91-002132] 15 p2458 N91-23618
Polymers as advanced materials for desiccant applications
[DE90-000389] 17 p2762 N91-25291
High efficiency copper ternary thin film solar cells
[DE91-002134] 17 p2805 N91-25507
SERI photovoltaic subcontract reports: Abstracts and document control information, 1 August - 31 December 1990
[DE91-002150] 17 p2805 N91-25508
Photovoltaics: From the laboratory to the marketplace
[DE91-002151] 18 p3004 N91-26588
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002159] 18 p3004 N91-26591
Novel ways of depositing ZnTe films by a solution growth technique
[DE91-002189] 20 p3328 N91-28429
Research on stable, high-efficiency amorphous silicon multijunction modules
[DE91-002138] 20 p3337 N91-28480
Polycrystalline thin film photovoltaic technology
[DE91-002136] 20 p3367 N91-28650
SOLTECH 91: Proceedings, volume 2
[DE91-013767] 20 p3368 N91-28656
SOLTECH 91: Proceedings, volume 1
[DE91-002163] 20 p3368 N91-28658
Fifteenth DOE Solar Photochemistry Research Conference
[DE91-002165] 20 p3369 N91-28663
Worldwide wind/diesel hybrid power system study: Potential applications and technical issues
[DE91-002160] 21 p3535 N91-29643
Analysis of a teetered, variable-speed rotor
[DE91-002190] 21 p3536 N91-29646
The Department of Energy's solar industrial program: New ideas for American industry
[DE91-002197] 21 p3536 N91-29649
Horizontal axis wind turbine post stall airfoil characteristics synthesization
[DE91-002198] 21 p3536 N91-29650
Ultraviolet reflector materials for solar detoxification of hazardous waste
[DE91-002196] 21 p3539 N91-29663
Scanning tunneling microscopy studies of the surfaces of a-Si:H and a-SiGe:H films
[DE91-002169] 21 p3592 N91-29983
Fabrication and performance analysis of 4-sq cm indium tin oxide/InP photovoltaic solar cells
22 p3631 N91-30205
GaInP2/GaAs tandem cells for space applications
22 p3633 N91-30215
Monolithic InP/Ga0.47In0.53As tandem solar cells for space
22 p3633 N91-30219
High-efficiency heteroepitaxial InP solar cells
22 p3636 N91-30230
InP concentrator solar cells for space applications
22 p3636 N91-30231
Radiation hardness of Ga0.5In0.5 P/GaAs tandem solar cells
22 p3638 N91-30243
Variations in gear fatigue life for different wind turbine braking strategies
[DE91-002161] 22 p3684 N91-30513
Research on stable, high-efficiency, large-area, amorphous-silicon-based submodules
[DE91-002167] 22 p3700 N91-30603
Photovoltaic energy: Program overview, fiscal year 1990
[DE91-002170] 22 p3701 N91-30604
Science projects in renewable energy and energy efficiency
[DE91-002195] 22 p3701 N91-30605
Structure of amorphous silicon and germanium alloy films
[DE91-002191] 22 p3760 N91-30959
SERI Solar Radiation Resource Assessment Project
[DE91-002164] 24 p4040 N91-32575
MIDWEST RESEARCH INST., KANSAS CITY, MO.
Further studies of 60 Hz exposure effects on human function
[DE91-000868] 04 p0552 N91-13062
MILAN UNIV. (ITALY).
Simulated absence of gravity impairs arterial baroreceptor control of heart rate in man
11 p1746 N91-19599
Blood pressure maturation curve in normotensive rats during growth in simulated microgravitational environment
11 p1753 N91-19644
Gravity dependence of pleural liquid turnover
11 p1754 N91-19651
MILES COLL., BIRMINGHAM, AL.
The 3-(bromoacetamido)-propylamine hydrochloride: A novel sulfhydryl reagent and its future potential in the configurational study of S1-myosin
19 p3269 N91-28083
MILITARY ACADEMY, WEST POINT, NY.
Calculation of rotor impedance for use in design analysis of helicopter airframe vibrations
04 p0598 N91-13333
Design of integrated CMOS circuits for parallel detection and storage of optical data
[AD-A225702] 05 p0650 N91-13611
MILITARY AIRLIFT COMMAND, SCOTT AFB, IL.
C-130 electronic cockpit: Reliability And Maintainability Technology Insertion Program (RAMTIP)
10 p1464 N91-18073
Aircrew fatigue countermeasures
10 p1465 N91-18077
Aircrew eye/respiratory protection: A military airlift command perspective
10 p1465 N91-18078
C-130 rear vision device (bubble)
10 p1466 N91-18084
MILLER COMMUNICATIONS SYSTEMS LTD., KANATA (ONTARIO).
Study of the effect of multipath on modern DF algorithms, appendix C
[CTN-91-60176] 22 p3616 N91-30118
MINERALS MANAGEMENT SERVICE, CAMARILLO, CA.
A summary of the physical oceanography of the Pacific Northwest Coast
[PB91-164434] 23 p3897 N91-31753
MINERALS MANAGEMENT SERVICE, HERNDON, VA.
North Carolina physical oceanography panel report
[PB91-178046] 19 p3206 N91-27722
MINISTERE DE L'EDUCATION NATIONALE, DE LA JEUNESSE ET DES SPORTS, PARIS (FRANCE).
Review of materials data banks in France
12 p1996 N91-20985
MINISTRY OF DEFENCE, HAIFA (ISRAEL).
Lateral dispersion of radioactive release. Draft for comments
[CEMA-86/17] 15 p2458 N91-23621
On the many-on-one stochastic duel
[CEMA-86/11] 15 p2496 N91-23828
The optimal accumulation of power
[CEMA-87-87] 16 p2697 N91-24935

MINISTRY OF DEFENCE, LONDON (ENGLAND).
Fuels and oils as factors in the operation of aero gas turbine engines at low temperatures
23 p3794 N91-31163
MINISTRY OF POSTS AND TELECOMMUNICATIONS, IBARAKI (JAPAN).
Satellite sound broadcast research aspect in CRL
03 p0352 N91-11965
A highly stable crystal oscillator applied to geodetic VLBI experiment 17 p2851 N91-25765
Precise measurement method for ionospheric total electron content using signals from GPS satellites
17 p2853 N91-25774
MINISTRY OF TRANSPORTATION, TOKYO (JAPAN).
ADS (Automatic Dependent Surveillance) PET (Pacific Engineering Trial) program in Japan
24 p3955 N91-32100
Satellite data link research and development program in Japan 24 p3956 N91-32108
MINNESOTA MINING AND MFG. CO., SAINT PAUL.
Dual cure photocatalyst systems
[DE91-001999] 07 p0985 N91-15407
Dual cure photocatalyst systems
[DE91-014174] 21 p3490 N91-29369
MINNESOTA UNIV., MINNEAPOLIS.
From red giants to planetary nebulae: Asymmetries, dust, and polarization 02 p0289 N91-11622
Morphology and rheology of silica-reinforced silicone rubbers 03 p0343 N91-11919
Inline particle holography applied to fluid velocity measurement 03 p0368 N91-12061
A study of scale cracking and its effects on oxidation and hot corrosion
[DE91-001327] 04 p0505 N91-12803
Micromechanisms of brittle fracture: Acoustic emissions and electron channeling analyses
[DE91-000987] 04 p0537 N91-12979
Transonic blade-vortex interactions noise: A parametric study
[NASA-CR-187713] 05 p0617 N91-13422
Analytical and experimental studies for thermal plasma processing of materials
[DE91-000599] 05 p0644 N91-13576
Free-stream turbulence and concave curvature effects on heated, transitional boundary layers, volumes 1 and 2
05 p0656 N91-13643
Variational transition state theory
[DE91-001253] 05 p0726 N91-14058
Infrared polarimetry and the magnetic field in external galaxies 05 p0753 N91-14192
The stellar content of M101 05 p0764 N91-14244
IR detectors based on n-i-p-i superlattices
06 p0798 N91-14408
One- and two-dimensional Stirling machine simulation using experimentally generated flow turbulence models
[NASA-CR-185285] 06 p0800 N91-14414
State-to-state dynamics of molecular energy transfer
[DE91-004589] 06 p0832 N91-14599
Piecewise-parabolic methods for systems of hyperbolic conservation laws in multiprocessing environments
[DE91-004582] 06 p0867 N91-14792
Theory of the electronic and structural properties of solid state oxides
[DE91-001192] 06 p0882 N91-14874
The impact of separated flow on heat and mass transfer
[DE91-000592] 08 p1142 N91-16284
Incompressible flow simulations using the velocity-pressure formulation 08 p1144 N91-16299
Finite element solution techniques for the vorticity-stream function formulation of two-dimensional incompressible flows 08 p1145 N91-16302
Fundamental study of clean rooms
09 p1293 N91-17108
QCM and impedance analysis of polypyrrole
[AD-A229185] 09 p1310 N91-17190
Ambient temperature solid polymer electrolyte devices
[AD-A228716] 09 p1318 N91-17237
Interfacial stability of lithium in non-aqueous gel polymer electrolyte cells
[AD-A229186] 09 p1330 N91-17303
Infrared polarization studies of Bok globules
09 p1425 N91-17842
Biconic cargo return vehicle with an advanced recovery system 10 p1478 N91-18143
Winged cargo return vehicle conceptual design
10 p1478 N91-18144
Voltammetric measurement of bimolecular electron-transfer rates in low ionic strength solutions
[AD-A229913] 12 p1865 N91-20245
Voltammetric measurement of biomolecular electron-transfer rates in low ionic strength solutions
[AD-A229918] 12 p1865 N91-20246
Correlation of electron-transfer rates with the surface density of states of native and anodically grown oxide films on titanium
[AD-A230101] 12 p1987 N91-20934
Imaging of stacking faults in highly oriented psrolytic graphite using scanning tunneling microscopy
[AD-A229776] 12 p1990 N91-20952
Eigenspace design of helicopter flight control systems
[AD-A231588] 13 p2028 N91-21153
Field intercomparison of precipitation samplers for assessing wet deposition of organic contaminants
[PB91-125880] 13 p2112 N91-21629
Topics in the fluid mechanics of viscoelastic liquids
14 p2262 N91-22514
Stratospheric and laboratory studies of ozone isotope fractionation 14 p2285 N91-22633
Metal-semiconductor and condensed gas-semiconductor interface formation
14 p2330 N91-22873
Development of an extremely sensitive infrared photometer for the investigation of dark matter in galactic halos 14 p2342 N91-22948
Astrophysical dust grains in stars, the interstellar medium, and the solar system 14 p2346 N91-22970
A study of the noise mechanisms of transonic blade-vortex interactions
[NASA-CR-188199] 15 p2364 N91-23084
A tribological study of sliding contact interaction
15 p2434 N91-23488
Hydromagnetic wave coupling in the magnetosphere
15 p2461 N91-23638
Echo 7: Magnetospheric properties determined by artificial electron beams 15 p2463 N91-23644
Epitaxial iron films
[AD-A232419] 15 p2518 N91-23958
Multilevel secure database management systems
16 p2698 N91-24940
Modal aerosol dynamics modeling
[PB91-161729] 18 p3006 N91-26598
Nonexponential solvation dynamics of simple liquids and mixtures
[AD-A235968] 19 p3125 N91-27267
Crazing in polymeric and composite systems
[AD-A235525] 19 p3137 N91-27335
Free-stream turbulence and concave curvature effects on heated, transitional boundary layers, volume 1
[NASA-CR-187150] 19 p3163 N91-27488
Free-stream turbulence and concave curvature effects on heated, transitional boundary layers
[NASA-CR-187151] 19 p3165 N91-27502
Ultrafast charge separation in ADMA experiment, simulation, and theoretical issues
[AD-A235486] 19 p3241 N91-27922
Ultrafast studies on electron transfer
[AD-A235487] 19 p3241 N91-27923
Ultrafast measurements on direct photoinduced electron transfer in a mixed valence complex
[AD-A235572] 19 p3241 N91-27924
Reaction in rates in the phenomenological adiabatic excited state electron transfer theory
[AD-A235583] 19 p3241 N91-27925
Mixed valence in conjugated anion radicals. Solution and solid state studies
[AD-A236428] 19 p3255 N91-28006
A simulated user for laboratory investigation of information systems requirements determination
20 p3440 N91-29087
Neutrino degeneracy and cosmological nucleosynthesis, revisited
[NASA-CR-188703] 20 p3444 N91-29110
Numerical prediction of turbulent oscillating flow and associated heat transfer
[NASA-CR-187177] 21 p3516 N91-29524
Topographic map reading
[AD-A238026] 21 p3535 N91-29640
The growth of ultrathin epitaxial intermetallic films
[AD-A237798] 21 p3597 N91-30011
Data abstraction, concurrency and synchronization in Sina
[PB91-185454] 21 p3604 N91-30053
Bypass transition in boundary layers including curvature and favorable pressure gradient effects
[NASA-CR-187187] 22 p3677 N91-30474
A parametric study of transonic blade-vortex interaction noise
[NASA-CR-188811] 23 p3924 N91-31928
Stabilized finite element formulations for incompressible flow computations
[UMSI-91/66] 24 p4013 N91-32431
MINNESOTA UNIV., SAINT PAUL.
Developing a framework for qualitative engineering: Research in design and analysis of complex structural systems 01 p0054 N91-10322
High temperature superconducting compounds
[AD-A229082] 09 p1413 N91-17776
MISSION RESEARCH CORP., COLORADO SPRINGS, CO.
Radiation response issues for infrared detectors
06 p0794 N91-14388
MISSION RESEARCH CORP., NASHUA, NH.
IR plasma emissions
[AD-A227713] 08 p1229 N91-16776
CBSD version 2 component models of the IR celestial background
[AD-A235372] 18 p3083 N91-27048
Dosimetry for microelectronics
[AD-A235601] 19 p3157 N91-27454
MISSION RESEARCH CORP., NEWINGTON, VA.
The DIMEX experiment
[AD-A229080] 09 p1406 N91-17738
MISSION RESEARCH CORP., SANTA BARBARA, CA.
Specification of IRAS confused regions
[AD-A230568] 12 p2007 N91-21048
Propagation of RF signals through structured ionization: The general model
[AD-A234051] 18 p2974 N91-26418
Analysis of IR celestial survey experiment
[AD-A235997] 19 p3226 N91-27831
MISSISSIPPI STATE UNIV., MISSISSIPPI STATE.
Space lab system analysis: Advanced Solid Rocket Motor (ASRM) communications networks analysis
[NASA-CR-184103] 10 p1491 N91-18209
Bias and uncertainty in the absorption emission measurement of atomic sodium density in the SSME exit plane 10 p1626 N91-18969
Welding arc plasma physics 10 p1627 N91-18973
Multi-blocking strategies for the INS3D incompressible Navier-Stokes code 10 p1629 N91-18982
Data acquisition and analysis on the two-color laser transmissometer system
[DE91-007235] 11 p1710 N91-19420
Structured software design for an on-line laser-based particle size distribution instrument
[DE91-007234] 11 p1777 N91-19746
Performance characteristics of an MHD (Magnetohydrodynamic) pilot plant electrostatic precipitator
[DE91-007218] 11 p1804 N91-19905
Investigations of surface roughness effects on turbulent flow and heat transfer
[AD-A229979] 12 p1895 N91-20422
Proceedings of the Advisory Committee on standardization of carbon-phenolic test methods and specifications
[NASA-CR-188678] 19 p3122 N91-27246
Proceedings of the 7th Semiannual Meeting of the Nozzle Initiative Industry Advisory Committee on Standardization of Carbon-Phenolic Test Methods and Specifications
[NASA-CR-188720] 22 p3642 N91-30271
Numerical flow simulation in the slagging stage of an MHD coal combustor
[DE91-009352] 22 p3757 N91-30946
Enhancement of surface definition and gridding in the Eagle code
[NASA-CR-188796] 23 p3909 N91-31820
MISSISSIPPI STATE UNIV., STARKVILLE.
Measurement and calculation of surface roughness effects on turbulent flow and heat transfer
02 p0212 N91-11183
A drag analysis of the early stages of large-scale high-altitude free balloon ascents
17 p2728 N91-25108
The moderating influence of user characteristics on the relationship between user involvement and perceived usefulness of information systems
17 p2885 N91-25949
MISSISSIPPI UNIV., UNIVERSITY.
Sound field fluctuations due to large scale wind-driven turbulence 02 p0266 N91-11492
A statistically-based model of the interacting processes which lead to creep-rupture in filament-wound composite pressure vessels 06 p0801 N91-14420
Exponential ground impedance models and their interpretation 08 p1215 N91-16686
Theoretical and experimental study of thermoacoustic engines
[AD-A230700] 12 p1919 N91-20559
MISSISSIPPI VALLEY STATE UNIV., ITTA BENA.
Planetary spacecraft cost modeling utilizing labor estimating relationships 18 p3097 N91-27116
MISSOURI UNIV., COLUMBIA.
Spectroscopic studies of GaAs/AlGaAs superlattices under hydrostatic and uniaxial pressures at 8 to 300 K
[AD-A225925] 04 p0588 N91-13286
Photoreflectance studies of electronic transitions in quantum well structures under high pressure
[DE90-011583] 08 p1234 N91-16801
Late transition metal (mu)-oxo and (mu)-imido complexes
[DE91-005349] 11 p1682 N91-19267

Engineering specification and system design for CAD/CAM of custom shoes: UMC project effort
[NASA-CR-188049] 13 p2131 N91-21733
Experiments on neural network architectures for fuzzy logic 13 p2141 N91-21787
Microstructural effects on the residual stress and stress distribution in WC-Ni composites 16 p2588 N91-24342
High pressure optical studies of semiconductors and heterostructures
[DE91-014382] 20 p3432 N91-29041
Inelastic scattering in condensed matter with high intensity Moessbauer radiation
[DE91-014384] 21 p3592 N91-29980
Simulated effects of a doubling of carbon dioxide on corn production in portions of the central US
[DE91-016843] 23 p3892 N91-31722

MISSOURI UNIV., KANSAS CITY.
Theoretical studies on the electronic structure and properties of complex ceramic crystals and glasses
[DE91-000595] 04 p0506 N91-12810
Theoretical studies on the electronic structure and properties of complex ceramic crystals and glasses
[DE91-006814] 10 p1504 N91-18275

MISSOURI UNIV., ROLLA.
Collisional processes of interest in MFE plasma research
[DE91-000598] 02 p0275 N91-11549
Phase change material for spacecraft thermal management
[AD-A224865] 03 p0321 N91-11792
Characterization of electrically conducting oxides
[DE91-000596] 03 p0338 N91-11895
Finite element solution of steady state axisymmetric penetration problems 08 p1163 N91-16403
Non-steady state cracking in unidirectional composites 09 p1304 N91-17155
Finite and boundary element analysis of three-dimensional linear elastostatics 16 p2643 N91-24628
Pressureless densification of ceramic matrix composites
[AD-A235031] 18 p2964 N91-26362
Characterization of plasma polymerized hydrocarbons using CP-MAS carbon-13 NMR
[AD-A236947] 19 p3143 N91-27369
Collisional processes of interest in MFE plasma research
[DE91-013023] 21 p3585 N91-29943
Defect characterization of electronic conducting pseudo-perovskite systems
[DE91-014385] 21 p3592 N91-29978

MISSOURI UNIV., SAINT LOUIS.
An ADP proposal to study the formation and evolution of dust-embedded clusters
[NASA-CR-186793] 05 p0732 N91-14089
Quantum 1/f noise in high technology applications including ultrasmall structures and devices
[AD-A226739] 06 p0817 N91-14515
Chaotic and bifurcating nonlinear systems driven by noise with applications to laser dynamics
[AD-A234841] 18 p2990 N91-26512

MITECH, INC., WASHINGTON, DC.
Automatic dependent surveillance benefit and cost analysis
[DOT/FAA/RD-90/34] 06 p0779 N91-14320
The 1990-1991 aviation system capacity plan
[AD-A229863] 11 p1645 N91-19075

MITRE CORP., BEDFORD, MA.
Examination of RTCA/DO-198 position reconstruction algorithms for area navigation with the microwave landing system
[AD-A224804] 04 p0474 N91-12648
A Gaussian algorithm using coordinate rotation for area navigation operations with the microwave landing system
[AD-A225642] 04 p0475 N91-12653
The AMPS
[AD-A225988] 04 p0563 N91-13123
A successive partial-relaxation Gaussian algorithm for area navigation operations with the Microwave Landing System (MLS)
[AD-A228871] 08 p1094 N91-16004
The range scheduling aid 12 p1940 N91-20675
Noise factor and antenna gains in the signal/noise equation for over-the-horizon radar
[AD-A231203] 13 p2073 N91-21416
Antenna performance influenced by the finite extent and conductivity of ground planes: A collection of reprints
[AD-A232132] 15 p2413 N91-23366
Electrically-small quarter-wave, and resonant monopole elements with disk ground plans in free space
[AD-A233062] 16 p2620 N91-24507
Accessibility of near-Earth asteroids, 1990 17 p2915 N91-26092
Input impedance and gain of monopole elements with disk ground planes on flat earth
[AD-A234284] 18 p2974 N91-26421
Mobile Microwave Landing System (MMLS) user interface
[AD-A237470] 21 p3455 N91-29162

MITRE CORP., HOUSTON, TX.
A failure management prototype: DR/Rx 12 p1942 N91-20684
A failure diagnosis and impact assessment prototype for Space Station Freedom 14 p2313 N91-22777
A failure recovery planning prototype for Space Station Freedom 14 p2314 N91-22778
NASA-Johnson Space Center 14 p2340 N91-22938

MITRE CORP., MCLEAN, VA.
Prospects for a special-purpose lattice gas computer
[AD-A227916] 07 p1039 N91-15700
Some comments on the acoustic coupling of elements in an array
[AD-A227762] 08 p1134 N91-16239
Cellular automata and parallel processing for practical fluid-dynamics problems
[AD-A229234] 09 p1388 N91-17635
Thermodynamic Alerter for Microbursts (TAMP) 16 p2557 N91-24179
Functional baseline specification for ATC data link service implementation in the host computer system
[DOT/FAA/CT-91/12] 18 p2976 N91-26433
Impact of automation and data link enhancements on oceanic air traffic control 24 p3958 N91-32117
Preliminary evaluation of ADS/radar correlation 24 p3958 N91-32119
Ground automation processing of near-term oceanic ATC data link messages 24 p3959 N91-32127

MITSUBISHI HEAVY-INDUSTRIES LTD., NAGOYA (JAPAN).
Status and outlook of CFD technology at Mitsubishi Heavy Industries, Nagoya 13 p2067 N91-21384

MITSUBISHI HEAVY-INDUSTRIES LTD., TOKYO (JAPAN).
Comparison with computation using panel method and wind tunnel test around transonic complete aircraft 04 p0466 N91-12612
Numerical simulations of flow around ATP engine 04 p0469 N91-12627

MMR TECHNOLOGIES, INC., MOUNTAIN VIEW, CA.
Development of a low noise 10 KJ-T refrigeration system
[AD-A231383] 13 p2068 N91-21392
Development of a low noise 10K J-T refrigeration system
[AD-A231461] 13 p2068 N91-21393

MODERN ANALYSIS, INC., RIDGEWOOD, NJ.
Relation of inspection findings to fatigue reliability
[AD-A231819] 14 p2273 N91-22574

MOLECULAR RESEARCH INST., PALO ALTO, CA.
The effect of ionization on the infrared absorption spectra of PAHs: A preliminary report 06 p0894 N91-14937

MONROE ELECTRONICS, INC., LYNDONVILLE, NY.
LT-23: The feedback vibrating capacitor fieldmeter 24 p4067 N91-32722

MONTANA STATE UNIV., BOZEMAN.
Corrosion and arc erosion in MHD channels
[DE90-017889] 02 p0274 N91-11539
Application of computers for experiment design, data acquisition, and analysis in the chemistry laboratory
[AD-A224644] 03 p0400 N91-12223
Computer controlled MHD power consolidation and pulse generation system
[DE91-006793] 11 p1697 N91-19347
Corrosion and arc erosion in MHD channels
[DE91-008527] 14 p2328 N91-22863
Effects of electron-positron pairs on active galactic nuclei 14 p2344 N91-22958
Corrosion and arc erosion in MHD channels
[DE91-016829] 24 p4105 N91-32939

MONTCLAIR STATE COLL., UPPER MONTCLAIR, NJ.
Operational testing of a figure of merit for overall task performance 04 p0597 N91-13328

MONTPELLIER-2 UNIV. (FRANCE)
Advanced research workshop on Wide Gap II-VI Semiconductors
[AD-A233796] 23 p3930 N91-31960

MONTREAL UNIV. (QUEBEC).
On the polarization mechanism in the R Mon/NGC 2261 complex 06 p0899 N91-14969
H I studies of the sculptor group galaxies 08 p1249 N91-16876

MOREHOUSE COLL., ATLANTA, GA.
Cultural parameters of stress
[AD-A232526] 15 p2476 N91-23713
Liquid film cooling in rocket engines
[AD-A234288] 18 p2937 N91-26197

MORGAN STATE UNIV., BALTIMORE, MD.
Data reduction of digitized images processed from calibrated photographic and spectroscopic films obtained from terrestial, rocket and space shuttle telescopic instruments
[NASA-CR-187320] 05 p0661 N91-13674
Image data compression investigation 17 p2879 N91-25923
Development of a funding, cost, and spending model for satellite projects 17 p2882 N91-25936
Excimer laser interaction with dentin of the human tooth 19 p3267 N91-28067
Mathematical models for film sensitivity measurements 19 p3268 N91-28076
A scanning electron microscopy study of the macro-crystalline structure of 2-(2,4-dinitrobenzyl) pyridine 19 p3270 N91-28090
An analysis of the moon's surface using reflected illumination from the earth during a waning crescent lunar phase 19 p3272 N91-28101
A densitometric analysis of IIaO film flown aboard the space shuttle transportation system STS #3, 7, and 8 19 p3273 N91-28102
Moessbauer spectroscopy and scanning electron microscopy of the Murchison meteorite 19 p3273 N91-28103
A densitometric analysis of commercial 35mm films 19 p3275 N91-28119
Parameters of tensile strength, elongation, and tenacity of 70mm IIaO spectroscopic film 19 p3277 N91-28125

MORGANTOWN TECHNOLOGY CENTER, WV.
Proceedings of the Second Annual Fuel Cells Contractors Review Meeting
[DE90-000490] 02 p0231 N91-11288
An evaluation of co-planar lineament analysis and some thoughts on using surface geological data to predict sub-surface geology
[DE90-009687] 11 p1738 N91-19556

MORTON THIOKOL, BRIGHAM CITY, UT.
First incremental buy for Increment 2 of the Space Transportation System (STS)
[NASA-CR-183855] 02 p0184 N91-11034

MOSCOW STATE UNIV. (USSR).
Baroelectric effect in the present of gravitational forces
[DE91-615469] 11 p1738 N91-19559
Sixquarks in neutron stars
[DE91-615472] 11 p1818 N91-19987
Neutron propagation from solar flare in the solar atmosphere
[DE91-615465] 11 p1823 N91-20016
Experimental data on study of cosmic ray particles in the E greater than or equal to 2 TeV energy range at the Cosmos-1713 satellite with the Sokol-2 device
[DE91-615479] 11 p1823 N91-20020
Cosmic ray charged component variations at sea level
[DE91-615480] 11 p1823 N91-20021
Stochastization of charged particle motion near magnetotail current layer
[DE91-615704] 12 p1922 N91-20573
On the temperature corrections for QED operators in the superstrong magnetic field
[DE91-619627] 13 p2146 N91-21822
Hamilton mechanics for nonlocal systems
[DE91-619625] 13 p2164 N91-21936
Quantization of nonlocal theories and gravitation
[DE91-619626] 13 p2164 N91-21937

MOTOREN- UND TURBINEN-UNION MUENCHEN G.M.B.H. (GERMANY, F.R.).
Aircraft engine noise 03 p0308 N91-11719
Engine maintainability: Objectives and methods 03 p0308 N91-11725
Propfan technology 03 p0309 N91-11730
Requirements for turboprop and turbofan engines in regional aircraft 03 p0309 N91-11733
PW300: Powerplant for regional aircraft 03 p0309 N91-11734
The 2-D supersonic nozzle design 15 p2381 N91-23176

MOUND LAB., MIAMISBURG, OH.
Elucidation of fundamental properties of helium in metals by nuclear magnetic resonance techniques
[DE91-002715] 06 p0808 N91-14460
Solid state radioluminescent sources using zeolites
[DE91-002703] 06 p0880 N91-14857
PC-based digital imaging for storing microscopy images for surveillance programs
[DE90-010080] 08 p1223 N91-16738
Post-encapsulation plutonia reduction for Galileo and Ulysses GPHS modules: The Module Reduction and Monitoring Facility (MRMF)
[DE91-008131] 13 p2152 N91-21861

MOUNT SINAI SCHOOL OF MEDICINE, NEW YORK, NY.
Molecular mechanisms in radiation damage to DNA
[DE91-010922] 17 p2817 N91-25568

MOUNT STROMLO AND SIDING SPRING OBSERVATORY, CANBERRA (AUSTRALIA).
High-mass star formation in southern disk galaxies
05 p0758 N91-14218
PAH emission from Nova Cen 1986
06 p0890 N91-14921
MOUNTAINNET, DELLSLOW, WV.
AdaNET executive summary
[NASA-CR-187383] 04 p0558 N91-13091
AdaNET research project
[NASA-CR-187389] 04 p0558 N91-13092
A research review of quality assessment for software
[NASA-CR-188240] 17 p2829 N91-25626
AdaNET key issues summary report
[NASA-CR-188241] 17 p2838 N91-25685
MSE, INC., BUTTE, MT.
Ceramic fabrication R and D
[DE91-006536] 10 p1504 N91-18279
Ceramic fabrication R and D
[DE91-006537] 11 p1687 N91-19298
Ceramic fabrication R/D
[DE91-014758] 21 p3485 N91-29335
MULLARD RADIO ASTRONOMY OBSERVATORY, CAMBRIDGE (ENGLAND).
The environments of double radiogalaxies
05 p0747 N91-14166
Non-steller light from high-redshift radiogalaxies
05 p0763 N91-14238
Does the far-infrared/radio correlation in spiral galaxies extend to the spatial domain 06 p0901 N91-14985
MULLARD SPACE SCIENCE LAB., DORKING (ENGLAND).
Cryogenic mechanisms for scanning and interchange of the Fabry-Perot interferometers in the ISO long wavelength spectrometer 16 p2641 N91-24614
MURRAY STATE UNIV., KY.
Spectral calibration analysis of the airborne oceanographic lidar 17 p2880 N91-25925

N

NAGAOKA TECHNOLOGICAL UNIV., NIIGATA (JAPAN).
Rayleigh-Taylor instability in LIB ICF
11 p1800 N91-19883
Theoretical study of plasma focus diode
11 p1801 N91-19887
Pulse-power characteristic of VIVA-1 (Versatile Inductive Voltage Adder) 11 p1801 N91-19888
Pulse-power technology and its applications at LBT, Nagaoka 19 p3249 N91-27968
NAGASAKI UNIV. (JAPAN).
High-energy protons produced by a large-amplitude magnetosonic wave and associated gamma radiation through neutral pion decay
[DE90-520190] 04 p0580 N91-13231
NAGOYA INST. OF TECH. (JAPAN).
Discussions on a long gap discharge to an EHV transmission tower by a rocket triggered lightning experiment 24 p4055 N91-32654
NAGOYA UNIV. (JAPAN).
On hydrodynamics of collisionless relativistic plasma in a strong magnetic field
[DE90-513926] 02 p0274 N91-11543
A hypersonic thermally-nonequilibrium reacting flow around a three-dimensional blunt body
04 p0452 N91-12523
Numerical study on injected jet into a supersonic flow
04 p0452 N91-12525
Numerical simulation on inverse jet of solid rocket motor 04 p0453 N91-12526
Numerical simulation of a shock wave propagation in the solid particle layer 04 p0453 N91-12527
A preliminary study of transonic flow around NACA0012 04 p0457 N91-12554
Calculation of high speed flow about winged body
04 p0466 N91-12613
Solar flares and particle acceleration
06 p0916 N91-15049
Observation of electron hole, double layer, and turbulent heating in a laboratory plasma 06 p0920 N91-15079
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
New method for edge plasma control by RF ponderomotive force
[DE91-744823] 11 p1805 N91-19911
V(sub p) x B acceleration of electrons by phased Gaussian laser beams
[DE91-772179] 17 p2861 N91-25825
Energy converter from laser energy to electricity using plasma as a medium: The separation of ions by the medium 19 p3248 N91-27966
Characteristics of corona-preionized UV TEA laser
19 p3249 N91-27967
Rapid acceleration of protons in a nonlinear magnetosonic wave and their energy spectrum
20 p3410 N91-28905
Point vortex description of a modon solution
20 p3414 N91-28931
Diffusion and relaxation in Hamiltonian chaos
20 p3415 N91-28934
An incompressible flow solver
24 p3944 N91-32040
Finite difference numerical prediction of aerodynamics for airfoil flying over wavy wall 24 p3944 N91-32043
NAGOYA UNIV., TOYOKAWA (JAPAN).
Helical field effect in solar/stellar wind
20 p3411 N91-28912
NAPLES UNIV. (ITALY).
A parallel distributed system for SAR image processing 07 p0992 N91-15444
Multiparameter SAR data: Geological applications
07 p0993 N91-15452
Parameter space design of robust flight control systems 07 p1042 N91-15718
Effect of the centrifuge forces on pregnant rats
11 p1751 N91-19629
Thermal Marangoni convection in a floating zone (TEXUS 9) ESA 23 p3826 N91-31341
Experimental results on microgravitational fluid dynamics (TEXUS 14b) ESA 23 p3826 N91-31342
NASA SPACE STATION PROGRAM OFFICE, RESTON, VA.
Spaceport operations for deep space missions
14 p2203 N91-22166
NASA VLSI HARDWARE ACCELERATION CENTER FOR SPACE RESEARCH, IDAHO UNIV., MOSCOW.
A very high speed lossless compression/decompression chip set
[NASA-CR-188655] 19 p3216 N91-27775
NATIONAAL INST. VOOR KERNFYSICA EN HOGE ENERGIEFYSICA, AMSTERDAM (NETHERLANDS).
The BRST complex as the square root of the Casimir operator
[NIKHEF-H/90-5] 04 p0574 N91-13188
The BRST complex and the cohomology of compact Lie algebras
[NIKHEF-H/90-6] 04 p0574 N91-13189
BRST formulation of the Gupta-Bleuler quantization method
[NIKHEF-H/90-7] 04 p0574 N91-13190
Three-dimensional computation of magnetic fields and Lorentz forces of an LHC dipole magnet
[NIKHEF-H/89-12] 04 p0579 N91-13223
Quarkonium production at HERA
[NIKHEF-H/90-4] 04 p0582 N91-13244
Local closed orbit bumps in AmPS
[NIKHEF-K/AMPS/90-01] 05 p0626 N91-13471
Digital time interpolator
[DIGEL-1990-4] 08 p1136 N91-16249
Time interpolator
[DIGEL-1990-3] 08 p1151 N91-16337
Programmable pseudorandom detector pulse pattern generator
[ETN-91-98321] 08 p1205 N91-16628
Principle, advantages and disadvantages of a dc Current Transformer (DCCT)
[DIGEL-1990-5] 13 p2075 N91-21431
Grid pulse generator
[DIGEL-1990-6] 13 p2152 N91-21863
Construction of the Zeus forward/rear calorimeter modules at NIKHEF
[NIKHEF-H/90-11] 14 p2267 N91-22546
Operation of the microstrip gas detector
[NIKHEF-H/90-13] 14 p2268 N91-22548
A package to evaluate one-loop Feynman diagrams
[NIKHEF-H/90-15] 14 p2308 N91-22754
Simple WZW currents
[NIKHEF-H/90-14] 14 p2322 N91-22826
Finite element calculations on rear calorimetermodules for the Zeus experiment
[NIKHEF-H/90-10] 14 p2324 N91-22834
The Sphaleron at finite mixing angle
[NIKHEF-H/90-12] 14 p2324 N91-22835
QCD radiative corrections to charged current heavy quark production
[NIKHEF-H/90-19] 14 p2324 N91-22837
Sphalerons and energy barriers in the Weinberg-Salam theory
[NIKHEF-H/90-20] 14 p2324 N91-22838
The alpha cubed sub S corrections to the Bjorken sum rule for polarized electroproduction and to the Gross-Llewellyn Smith sum rule
[NIKHEF-H/90-23] 14 p2324 N91-22839
Multiloop Feynman diagrams and distribution theory. Part 3: UV renormalization in momentum space
[NIKHEF-H/90-17-PT-3] 14 p2327 N91-22855
BRST cohomology and BRST gauge fixing
[NIKHEF-H/91-04] 14 p2337 N91-22923
Required accuracy of tune measurement and parametrization of chromaticity control
[NIKHEF-K/AMPS/91-05] 22 p3671 N91-30439
The timing of injection kickers
[NIKHEF-K/AMPS/91-04] 23 p3927 N91-31943
Beam optics of the AmPS extraction line
[NIKHEF-K/AMPS/91-01] 24 p4101 N91-32914
NATIONAL ACADEMY OF ENGINEERING, WASHINGTON, DC.
The Government-University-Industry Research Roundtable
[DE91-015795] 21 p3603 N91-30044
NATIONAL ACADEMY OF SCIENCES - NATIONAL RESEARCH COUNCIL, WASHINGTON, DC.
Activities of the Board on Mathematical Sciences
[DE90-015118] 01 p0103 N91-10598
Airport system capacity strategic choices
[SR-226] 02 p0169 N91-10979
Snow avalanche hazards and mitigation in the United States
[LC-90-62814] 06 p0849 N91-14686
Information technology and the conduct of research: The user's view. Report of the Panel on Information Technology and the Conduct of Research
[ISBN-0-309-03888-X] 06 p0885 N91-14890
Application Principles for Multicolored Displays: A workshop report
[AD-A227961] 08 p1195 N91-16567
Global Change and Our Common Future. Papers from a Forum
[LC-89-62950] 09 p1357 N91-17453
Confronting climate change: Strategies for energy research and development
[ISBN-0-309-04347-6] 09 p1357 N91-17456
The US global change research program: An assessment of the FY 1991 plans
[LC-90-62105] 09 p1357 N91-17457
Haze in the Grand Canyon: An evaluation of the winter haze intensive tracer experiment
[ISBN-0-309-04341-7] 10 p1556 N91-18554
Basic research in human factors
[AD-A226318] 10 p1564 N91-18602
Computers at risk: Safe computing in the information age
[LC-90-22329] 11 p1773 N91-19721
Report of a workshop on Distributed Decision Making
[LC-89-64440] 11 p1812 N91-19952
Approaches to robotics in the US and Japan: Report of a bilateral exchange
[PB91-130419] 12 p1907 N91-20490
Assessing the nation's earthquakes
[NASA-CR-188024] 12 p1921 N91-20571
Expanding access to precompetitive research in the United States and Japan: Biotechnology and optoelectronics
[PB91-127514] 12 p1993 N91-20974
Science, technology, and the future of the US-Japan relationship
[PB91-127522] 12 p1994 N91-20975
Learning the R and D system: University research in Japan and the United States
[PB91-130443] 12 p1994 N91-20976
Learning the R and D system: Industrial R and D in Japan and the US
[PB91-130427] 12 p1994 N91-20977
Science, medicine and animals
[ISBN-0-309-04439-1] 13 p2125 N91-21697
Planetary Sciences: American and Soviet Research
[NASA-CR-188165] 14 p2344 N91-22960
Assessment of research needs for wind turbine rotor materials technology
[NAT-S-324] 19 p3185 N91-27612
Research on the management of technology: Unleashing the hidden competitive advantage
[PB91-184085] 19 p3259 N91-28027
Recruitment, retention, and utilization of federal scientists and engineers
[PB91-179366] 19 p3260 N91-28028
The 1990 update to strategy for exploration of the inner planets
[NASA-CR-188728] 20 p3288 N91-28182
Toward a new National Weather Service: A first report
[PB91-184077] 21 p3545 N91-29694
Second Review of the Department of Energy's Inertial Confinement Fusion Program
[DE91-013157] 21 p3585 N91-29945
The Government-University-Industry Research Roundtable
[DE91-015795] 21 p3603 N91-30044
Comparative modeling of InP solar cell structures
22 p3636 N91-30232
The decade of discovery in astronomy and astrophysics
[NASA-CR-188226] 24 p4118 N91-33016

Working Papers: Astronomy and Astrophysics Panel Reports
[NASA-CR-188785] 24 p4118 N91-33017

NATIONAL AERONAUTICAL ESTABLISHMENT, OTTAWA (ONTARIO).

A summary of transonic natural laminar flow airfoil development at NAE
[AD-A225102] 03 p0301 N91-11679

Application of Euler and Navier-Stokes codes to missile type bodies with high L/D ratios
06 p0773 N91-14286

Wind tunnel investigation and flight tests of tail buffet on the CF-18 aircraft 06 p0780 N91-14325

Effects of trailing-edge flap on buffet characteristics of a supercritical airfoil 06 p0780 N91-14327

The effect of wing planform on low speed buffet
06 p0782 N91-14336

An initial study into the influence of control stick characteristics on the handling qualities of a fly-by-wire helicopter 15 p2371 N91-23122

An investigation into the use of side-arm control for civil rotorcraft applications 15 p2372 N91-23123

Determination of decision-height windows for decelerating IMC approaches in helicopters
15 p2372 N91-23124

Commonwealth Advisory Aeronautical Research Council. First Canadian newsletter on systems, 1989
[NAE-LTR-FR-108] 21 p3451 N91-29139

Flight Research Laboratory. Institute for Aerospace Research
[CTN-91-60105] 21 p3451 N91-29140

Subsonic aerodynamic coefficients of the SDM at angles of attack up to 90 deg
[NAE-LTR-UA-93] 21 p3452 N91-29144

Evaluation of a pre-production version of Canadian Marconi CMA-786 GPS receiver
[NAE-LTR-FR-106] 21 p3454 N91-29158

Flight evaluation of complex approaches in a Twin Otter aircraft using a microwave landing system
[NAE-LTR-FR-114] 21 p3454 N91-29159

NAE participation in the United States FAA vertical separation study
[NAE-LTR-FR-105] 21 p3455 N91-29160

Review of Canadian aeronautical fatigue work: 1987-1989
[NAE-LTR-ST-1706] 21 p3455 N91-29165

A full function checkout test for the NAE full scale structural test control and data acquisition system
[NAE-LTR-ST-1696] 21 p3456 N91-29166

Tutor aft fuselage and empennage full-scale test: Procedures for creating a damage log
[NAE-ST-576] 21 p3456 N91-29167

A new look at the Tobak-Schiff model of nonplanar aircraft dynamics
[NAE-LTR-UA-101] 21 p3456 N91-29168

NAE Twin Otter operations in FIFE 1989
[NASA-CR-188770] 21 p3456 N91-29169

Rejuvenation of service exposed alloy 713C turbine blades
[NAE-LTR-ST-1716] 21 p3458 N91-29179

The failure of components in power generation equipment
[NAE-LTR-ST-1774] 21 p3458 N91-29180

Wind and flux calculations of the NAE Twin Otter
[NAE-LTR-FR-109] 21 p3460 N91-29189

A wind tunnel smoke generator
[NAE-LTR-LA-312] 21 p3461 N91-29195

An assessment of the acoustic noise in the working section of the NAE 6 ft x 9 ft low speed wind tunnel
[NAE-LTR-ST-1744] 21 p3461 N91-29196

Assessment of impact damage in toughened resin composites
[NAE-LTR-ST-1695] 21 p3469 N91-29236

Effect of fortifier on compression-after-impact strength of carbon fabric reinforced epoxy
[NAE-LTR-ST-1736] 21 p3469 N91-29237

Intermetallics: Canadian perspective
[NAE-LTR-ST-1771] 21 p3478 N91-29288

Metal injection moulding: A brief review
[NAE-LTR-ST-531] 21 p3478 N91-29289

Bubble generation and movement under microgravity conditions
[NAE-LTR-FR-110] 21 p3494 N91-29388

Distance measures for speech recognition
[NAE-AN-57] 21 p3495 N91-29394

Laboratory evaluation of portable and walk-through explosives vapour detectors
[NAE-LTR-UA-104] 21 p3517 N91-29533

Strain gauge cabling, conditioning, and sensitivity calculations for the CT-114 (Tutor) aircraft aft fuselage and empennage full-scale fatigue test
[NAE-LTR-ST-1758] 21 p3517 N91-29534

Load tables for the Avery and Gilmore standard force machines corrected for gravity, 1989
[NAE-LTR-ST-1703] 21 p3518 N91-29535

Evaluation of Shadow Moire for surface deformation detection and measurement
[NAE-LTR-ST-1737] 21 p3529 N91-29604

Review of literature on the damage, loss of stiffness, and residual strength of graphite/epoxy laminates subjected to cyclic loading
[NAE-LTR-ST(CR)-1711] 21 p3530 N91-29611

Experimental stress measurements for the modified Indal Series 6400 VAWT
[NAE-LTR-LA-310] 21 p3535 N91-29642

NAE Twin Otter operations in the 1988 Eulerian model evaluation field study
[NAE-LTR-FR-107] 21 p3537 N91-29651

QBDATAMT: A computer program to read Datamyte recorder data into an IBM PC or compatible computer
[NAE-LTR-ST-547] 21 p3553 N91-29742

Description of computer programs used to analyze and plot Spectrapot data files
[NAE-ST-557] 21 p3553 N91-29744

Photoelastic coating study of redesigned CT114 coupon joint test specimen for horizontal stabilizer rear attachment fitting to vertical stabilizer rear spar
[NAE-LTR-ST-1701] 23 p3788 N91-31125

NATIONAL AERONAUTICAL LAB., BANGALORE (INDIA).

Wall interference studies
[PD-CF-9012] 01 p0039 N91-10232

Script: General purpose graphics program; user's manual
[PD-ST-9027] 01 p0108 N91-10625

Calibration set up for load cells
[PD-ST-8917] 05 p0661 N91-13673

Precision mechanics of actuators in aircraft and rockets
[NAL-SP-9016] 10 p1473 N91-18117

Dynamic wind tunnel testing of a flexible wing model
[NAL-PD-FC-9010] 10 p1473 N91-18119

Investigations on the problem of moisture absorption by Kevlar fibres: Effect of relative humidity of the atmosphere and the degree of crystallinity of the fibres
[NAL-PD-MT-9015] 10 p1504 N91-18260

Measurement under pressure of thermoelectric power along the thickness of a thin specimen
[NAL-PD-MT-9012] 10 p1520 N91-18372

Prediction of flow within supercritical compressor cascade using a time marching method
[NAL-PD-PR-9013] 10 p1525 N91-18398

Experiments on the turbulent boundary layer on a flat plate in the wake of another flat plate
[NAL-TM-EA-9001] 10 p1525 N91-18399

Performance of an airfoil at low Reynolds number
[NAL-PD-CF-9102] 21 p3452 N91-29145

AEROWING - The software for aerodynamic analysis of a large aspect-ratio finite wing at low speeds
[NAL-PD-CF-9101] 21 p3452 N91-29146

Instrumentation for ASE experiments in the dynamic wind tunnel
[PD-FC-9112] 21 p3462 N91-29197

Solutions of two-dimensional Euler equations with multigrid acceleration
[NAL-PD-CF-9006] 21 p3511 N91-29494

Parameter estimation via nonlinear differential correction least square method
[NAL-PD-FC-9110] 21 p3565 N91-29814

Proposed modifications. Improvements to the draft specifications of DGCA, New Delhi, on requirements for airworthiness certification of experimental aircraft
[NAL-PD-FE-9101] 22 p3618 N91-30127

Graphic display of cockpit instruments for flight simulation
[NAL-PD-FC-9111] 22 p3620 N91-30137

An introduction to operations research
[NAL-PD-DU-9005] 22 p3748 N91-30893

NATIONAL AERONAUTICAL LAB., TOKYO (JAPAN).

Telescience testbed result for Japanese experiment module 14 p2224 N91-22298

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, WASHINGTON, DC.

Aeronautical engineering: A continuing bibliography with indexes (supplement 256)
[NASA-SP-7037(256)] 01 p0001 N91-10002

National Space Transportation System Reference. Volume 2: Operations
[NASA-TM-89785] 01 p0016 N91-10100

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 341)
[NASA-SP-7011(341)] 01 p0102 N91-10594

NASA Thesaurus supplement: A four part cumulative supplement to the 1988 edition of the NASA Thesaurus (supplement 4)
[NASA-SP-7064-SUPPL-4] 01 p0136 N91-10804

NASA's CFD Validation Program
02 p0144 N91-10845

Civil space technology initiative
[NASA-TM-103017] 02 p0183 N91-11028

The Hubble Space Telescope optical systems failure report
[NASA-TM-103443] 03 p0435 N91-12437

Aeronautical engineering: A continuing bibliography with indexes (supplement 257)
[NASA-SP-7037(257)] 04 p0463 N91-12589

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 342)
[NASA-SP-7011(342)] 04 p0552 N91-13063

Issues in NASA program and project management
[NASA-SP-6101(03)] 04 p0601 N91-13347

Summary data on all NASA procurement actions
[NASA-TM-103447] 04 p0601 N91-13350

NASA scientific and technical publications: A catalog of special publications, reference publications, conference publications, and technical papers, 1989
[NASA-SP-7063(04)] 04 p0606 N91-13374

Aeronautical engineering: A continuing bibliography with indexes (supplement 258)
[NASA-SP-7037(258)] 05 p0613 N91-13399

Microgravity strategic plan, 1990
[NASA-TM-103448] 05 p0644 N91-13575

Biological Life Support Technologies: Commercial Opportunities
[NASA-CP-3094] 05 p0691 N91-13842

The NASA CELSS program 05 p0691 N91-13848

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 343)
[NASA-SP-7011(343)] 06 p0853 N91-14711

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 344)
[NASA-SP-7011(344)] 06 p0854 N91-14712

A bibliography of planetary geology and geophysics principal investigators and their associates, 1989-1990
[NASA-TM-4221] 06 p0912 N91-15034

NASA agenda for tomorrow
[NASA-TM-103409] 07 p1076 N91-15919

Session 2 summary and key issues identification
07 p1079 N91-15936

Engines and innovation: Lewis Laboratory and American propulsion technology
[NASA-SP-4306] 07 p1087 N91-15975

Aeronautical engineering: A continuing bibliography with indexes (supplement 260)
[NASA-SP-7037(260)] 08 p1089 N91-15978

Aeronautical engineering: A continuing bibliography with indexes (supplement 259)
[NASA-SP-7037(259)] 08 p1089 N91-15979

The atmospheric effects of stratospheric aircraft: A topical review
[NASA-RP-1250] 08 p1174 N91-16466

Aerospace medicine and biology: A cumulative index to a continuing bibliography (supplement 345)
[NASA-SP-7011(345)] 08 p1191 N91-16547

Software for aerospace education: A bibliography, 2nd edition
[NASA-PED-106-ED-2] 08 p1201 N91-16601

NASA thesaurus aeronautics vocabulary
[NASA-TM-104230] 08 p1242 N91-16847

Space Transportation Avionics Technology Symposium. Volume 2: Conference Proceedings
[NASA-CP-3081-VOL-2] 09 p1277 N91-17020

National Space Transportation System (NSTS) technology needs 09 p1277 N91-17021

Space Station Freedom avionics technology
09 p1278 N91-17024

Exploration initiatives: Post-Apollo manned spaceflight thrusts 09 p1278 N91-17027

Reliability and quality EEE parts issues
09 p1279 N91-17028

Operational efficiency: Automatic ascent flight design
09 p1279 N91-17029

Flight elements subpanel introduction and overview
09 p1279 N91-17030

Payload accommodations: Avionics payload support architecture 09 p1279 N91-17031

Operations management system
09 p1280 N91-17036

Flight elements: Advanced avionics systems architectures 09 p1280 N91-17039

Flight elements: Fault detection and fault management
09 p1281 N91-17042

NSTS operations utilization directorate
09 p1281 N91-17045

Advanced telemetry systems for payloads. Technology needs, objectives and issues 09 p1282 N91-17049

Avionics advanced development strategy
09 p1282 N91-17050

Systems engineering and integration: Advanced avionics laboratories 09 p1283 N91-17054

Operational efficiency 09 p1283 N91-17055

Payload accommodations 09 p1284 N91-17057

Systems Engineering and Integration (SE and I)
09 p1284 N91-17058

The gamma-ray observatory
[NASA-NP-124] 09 p1296 N91-17115

NASA patent abstracts bibliography: A continuing bibliography. Section 1: Abstracts (supplement 38)
[NASA-SP-7039(38)-SECT-1] 09 p1423 N91-17833
NASA patent abstracts bibliography: A continuing bibliography. Section 2: Indexes (supplement 38)
[NASA-SP-7039(38)-SECT-2] 09 p1423 N91-17834
Exploring the universe with the Hubble Space Telescope
[NASA-NP-126] 09 p1424 N91-17839
The astrophysics program at the National Aeronautics and Space Administration (NASA)
09 p1431 N91-17883
NASA highlights, 1986 - 1988
[NASA-PAM-250] 09 p1451 N91-18003
Beyond Earth's boundaries: Human exploration of the Solar System in the 21st Century
[NASA-TM-103383] 10 p1483 N91-18173
Flight Operations reunion for the Apollo 11 20th anniversary of the first manned lunar landing
[NASA-TM-103373] 10 p1483 N91-18175
CASSINI. Report on the Phase A study: Saturn Orbiter and Titan probe
[NASA-TM-103374] 10 p1486 N91-18187
Large space structures and systems in the space station era: A bibliography with indexes
[NASA-SP-7085(01)] 10 p1488 N91-18199
Spacesuit guidebook
[NASA-PED-117] 10 p1564 N91-18603
A NASA initiative: Software engineering for reliable complex systems 10 p1568 N91-18623
NASA commercial programs
[NASA-TM-103410] 10 p1612 N91-18894
Selling to NASA
[NASA-NP-123] 10 p1612 N91-18895
Space station: The next logical step
[NASA-TM-103398] 11 p1656 N91-19123
Enhancing space transportation: The NASA program to develop electric propulsion
[NASA-TM-4244] 11 p1666 N91-19181
The OAST space power program
11 p1666 N91-19183
Microgravity strategic plan, 1988
[NASA-TM-103397] 11 p1692 N91-19319
Solid earth science in the 1990s. Volume 1: Program plan
[NASA-TM-4256-VOL-1] 11 p1725 N91-19499
The 1989-1990 NASA space biology accomplishments
[NASA-TM-4258] 11 p1762 N91-19697
The role of software engineering in the space station program 11 p1774 N91-19729
NASA Thesaurus supplement: A four part cumulative supplement to the 1988 edition of the NASA Thesaurus (supplement 5)
[NASA-SP-7064-SUPPL-5] 11 p1814 N91-19962
A scientific program for infrared, submillimeter and radio astronomy from space: A report by the Management Operations Working Group
[NASA-TM-103333] 11 p1817 N91-19979
Orientale and South Pole-Aitken basins on the Moon: Preliminary Galileo imaging results
11 p1821 N91-20002
Solid Earth science in the 1990s. Volume 3: Measurement techniques and technology
[NASA-TM-4256-VOL-3] 12 p1916 N91-20539
NASA Planetary Rover Program
12 p1936 N91-20651
Ground controlled robotic assembly operations for Space Station Freedom 12 p1939 N91-20665
Charge of the containerless experimentation in microgravity 13 p2059 N91-21332
Solid earth science in the 1990s. Volume 2: Panel reports
[NASA-TM-4256-VOL-2] 13 p2105 N91-21590
Report of the panel on geopotential fields: Gravity field, section 8 13 p2107 N91-21597
Report of the panel on international programs
13 p2107 N91-21599
Exploring the living universe: A strategy for space life sciences
[NASA-TM-103399] 13 p2125 N91-21696
Radiation health research, 1986 - 1990
[NASA-TM-4270] 13 p2126 N91-21704
The 1991/92 graduate student researchers program, including the underrepresented minority focus component
[NASA-TM-101801] 13 p2184 N91-22065
Advanced interdisciplinary technologies
14 p2199 N91-22143
The NASA-Lewis program on fusion energy for space power and propulsion, 1958-1978
14 p2200 N91-22148
Report of the Advisory Committee on the Future of the US Space Program
[NASA-TM-104952] 14 p2205 N91-22182
Space physics missions handbook
[NASA-TM-104941] 14 p2205 N91-22183
Microgravity science and applications bibliography, 1990 revision
[NASA-TM-4283] 14 p2253 N91-22466
NASA earth science and applications division: The program and plans for FY 1988-1989-1990
[NASA-TM-104943] 14 p2279 N91-22605
NASA geology program bibliography
[NASA-TM-4277] 14 p2279 N91-22606
Publications of the exobiology program for 1989: A special bibliography
[NASA-TM-4269] 14 p2301 N91-22715
NASA standard: Trend analysis techniques
[NASA-STD-8070.5A] 14 p2320 N91-22815
The Office of Space Science and Applications strategic plan, 1990: A strategy for leadership in space through excellence in space science and applications
[NASA-TM-104950] 14 p2338 N91-22928
NASA Library project management collection
[NASA-TM-103326] 14 p2339 N91-22934
NASA gateway requirements analysis
[NASA-TM-104951] 14 p2339 N91-22935
Technology 2000, volume 1
[NASA-CP-3109-VOL-1] 14 p2354 N91-23021
Aeronautical engineering: A cumulative index to a continuing bibliography (supplement 261)
[NASA-SP-7037(261)] 15 p2363 N91-23073
Aeronautical engineering: A continuing bibliography with indexes (supplement 262)
[NASA-SP-7037(262)] 15 p2363 N91-23074
Cryogenic hydrogen-induced air-liquefaction technologies 15 p2377 N91-23159
The Combined Release and Radiation Effects Satellite program (CRRES): A unique series of scientific experiments
[NASA-TM-104957] 15 p2387 N91-23213
ROSAT: An international mission exploring the high energy universe
[NASA-TM-104958] 15 p2388 N91-23214
Space life sciences: A status report
[NASA-NP-120] 15 p2472 N91-23694
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 346)
[NASA-SP-7011(346)] 15 p2473 N91-23700
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 347)
[NASA-SP-7011(347)] 15 p2474 N91-23701
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 348)
[NASA-SP-7011(348)] 15 p2474 N91-23702
Technology 2000, volume 2
[NASA-CP-3109-VOL-2] 15 p2535 N91-24041
Aeronautical engineering: A continuing bibliography with indexes (supplement 265)
[NASA-SP-7037(265)] 16 p2544 N91-24095
Aeronautical engineering: A continuing bibliography with indexes (supplement 263)
[NASA-SP-7037(263)] 16 p2544 N91-24096
Aeronautical engineering: A continuing bibliography with indexes (supplement 264)
[NASA-SP-7037(264)] 16 p2544 N91-24097
Cryogenic hydrogen-induced air liquefaction technologies 16 p2569 N91-24237
The highlights of 1989
[NASA-TM-104985] 16 p2650 N91-24669
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 349)
[NASA-SP-7011(349)] 16 p2663 N91-24731
Management: A bibliography for NASA managers
[NASA-SP-7500(25)] 16 p2697 N91-24936
NASA scientific and technical publications: A catalog of special publications, reference publications, conference publications, and technical papers, 1987-1990
[NASA-SP-7063(05)] 16 p2698 N91-24939
Quo vadimus: Coming to grips with the information world
[NASA-TM-105138] 16 p2700 N91-24951
International exploration of Mars. A special bibliography
[NASA-SP-7091] 16 p2704 N91-24965
Research and Technology Objectives and Plans Summary (RTOPS)
[NASA-TM-101203] 16 p2726 N91-25099
Space Transportation Propulsion Technology Symposium. Volume 1: Executive summary
[NASA-CP-3112] 17 p2742 N91-25176
Fourth Airborne Geoscience Workshop: Summary Minutes
[NASA-TM-104982] 17 p2791 N91-25444
Fourth Airborne Geoscience Workshop
[NASA-TM-104983] 17 p2791 N91-25445
NASA 1990 Multisensor Airborne Campaigns (MACs) for ecosystem and watershed studies
17 p2792 N91-25447
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 350)
[NASA-SP-7011(350)] 17 p2823 N91-25600
Index to NASA news releases and speeches, 1989
[NASA-TM-105011] 17 p2887 N91-25960
Directory of research projects, 1991. Planetary geology and geophysics program
[NASA-TM-4288] 17 p2917 N91-26103
National research and education network
18 p3078 N91-27017
Report of the 90-day study on human exploration of the Moon and Mars
[NASA-TM-102999] 18 p3085 N91-27055
NASA information sciences and human factors program
[NASA-TM-4291] 18 p3097 N91-27119
Aeronautical engineering: A continuing bibliography with indexes (supplement 266)
[NASA-SP-7037(266)] 19 p3099 N91-27122
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 351)
[NASA-SP-7011(351)] 19 p3212 N91-27756
Fusion energy for space missions in the 21st century: Executive summary
[NASA-TM-4297] 19 p3244 N91-27940
Issues in NASA program and project management
[NASA-SP-6101(04)] 19 p3259 N91-28026
NASA combined file postings statistics based on NASA Thesaurus, January 1968 - January 1991
[NASA-CR-188666] 19 p3262 N91-28041
NASA patent abstracts bibliography: A continuing bibliography. Section 1: Abstracts (supplement 39)
[NASA-SP-7039(39)-SECT-1] 19 p3262 N91-28042
First among equals: The selection of NASA space science experiments
[NASA-SP-4215] 19 p3266 N91-28060
Report of the Advisory Committee on the future of the US space program
[NASA-TM-105030] 20 p3288 N91-28180
Large space structures and systems in the space station era: A bibliography with indexes
[NASA-SP-7085(02)] 20 p3290 N91-28191
Space Transportation Propulsion Technology Symposium. Volume 2: Symposium proceedings
[NASA-CP-3112-VOL-2] 20 p3291 N91-28193
NASA's advanced space transportation system launch vehicles 20 p3291 N91-28195
Space shuttle propulsion systems
20 p3292 N91-28200
Current systems: Upper stages
20 p3292 N91-28201
Next generation: Unmanned launch vehicles and upper stages: The needs 20 p3293 N91-28210
National Aero-Space Plane (NASP) program
20 p3294 N91-28214
Nuclear thermal propulsion 20 p3294 N91-28216
Space fusion energy conversion using a field reversed configuration reactor: A new technical approach for space propulsion and power 20 p3294 N91-28217
Space Transportation Propulsion Technology Symposium. Volume 3: Panel Session Summaries and Presentations
[NASA-CP-3112-VOL-3] 20 p3297 N91-28235
Development program enhancement suggestions (propulsion related) 20 p3299 N91-28252
Effectivity of atmospheric electricity on launch availability 20 p3300 N91-28260
Lessons learned and their application to program development and cultural issues
20 p3301 N91-28263
Major system acquisitions process (A-109)
20 p3301 N91-28268
Space shuttle main engine: Certification for manned space flight 20 p3301 N91-28270
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 352)
[NASA-SP-7011(352)] 20 p3381 N91-28729
NASA patent abstracts bibliography: A continuing bibliography. Section 2: Indexes (supplement 39)
[NASA-SP-7039(39)-SECT-2] 20 p3440 N91-29088
Aeronautical engineering: A continuing bibliography with indexes (supplement 268)
[NASA-SP-7037(268)] 22 p3609 N91-30077
Space Station Workshop Commercial Missions and User Requirements: Issues and Recommendations
[NASA-TM-105093] 22 p3629 N91-30191
Space Station Freedom Workshop Opportunities for Commercial Users and Providers: Issues and Recommendations
[NASA-TM-105094] 22 p3629 N91-30192
Polar communications: Status and recommendations. Report of the Science Working Group
[NASA-TM-105035] 22 p3658 N91-30359
Earth observations and global change decision making: A special bibliography, 1991
[NASA-SP-7092] 22 p3698 N91-30588
NASA Aerodynamics Program
[NASA-TM-4312] 23 p3897 N91-31751

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 353)
[NASA-SP-7011(353)] 23 p3899 N91-31760
Transpiration during life cycle in controlled wheat growth 23 p3905 N91-31795
NASA's challenge for tomorrow 24 p4002 N91-32374

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. AMES RESEARCH CENTER, MOFFETT FIELD, CA.

Transonic flow analysis for rotors. Part 3: Three-dimensional, quasi-steady, Euler calculation
[NASA-TP-2375] 01 p0002 N91-10007
Wake coupling to full potential rotor analysis code
[NASA-TM-102805] 01 p0003 N91-10013
Euler and potential experiment/CFD correlations for a transport and two delta-wing configurations
[NASA-TM-102208] 01 p0003 N91-10014
Application of CFD to sonic boom near and mid flow-field prediction
[NASA-TM-102867] 01 p0003 N91-10015
Rotor systems research aircraft risk-reduction shake test
[NASA-TM-4186] 01 p0008 N91-10045
Industry liaison section implementation plan
[NASA-CR-177569] 01 p0008 N91-10048
Body weight of hypersonic aircraft, part 1
[NASA-TM-101028] 01 p0009 N91-10049
A one-equation turbulence transport model for high Reynolds number wall-bounded flows
[NASA-TM-102847] 01 p0043 N91-10252
A laser-sheet flow visualization technique for the large wind tunnels of the National Full-Scale Aerodynamics Complex
[NASA-TM-102793] 01 p0045 N91-10268
Cirrus microphysics and radiative transfer: A case study 01 p0077 N91-10463
Cirrus cloud statistics: Temperatures and optical depths 01 p0078 N91-10466
The radiation budget of a Cirrus layer deduced from simultaneous aircraft observations and model calculations 01 p0078 N91-10467
Preliminary results of radiation measurements from the marine stratus FIRE experiment 01 p0091 N91-10529
NASA Computational Fluid Dynamics Conference. Volume 1: Sessions 1-6
[NASA-CP-10038-VOL-1] 02 p0143 N91-10839
Computational Fluid Dynamics Program at NASA Ames Research Center 02 p0143 N91-10840
Understanding transition and turbulence through direct simulations 02 p0144 N91-10846
More accurate predictions with transonic Navier-Stokes methods through improved turbulence modeling 02 p0145 N91-10850
Computations of three-dimensional steady and unsteady viscous incompressible flows 02 p0146 N91-10852
SAGE: A 2-D self-adaptive grid evolution code and its application in computational fluid dynamics 02 p0146 N91-10853
CFD for applications to aircraft aeroelasticity 02 p0146 N91-10855
A zonal Navier-Stokes methodology for flow simulation about a complete aircraft 02 p0147 N91-10858
Numerical simulation of F-18 fuselage forebody flows at high angles of attack 02 p0147 N91-10859
TranAir: Recent advances and applications 02 p0147 N91-10862
Numerical simulation of rotorcraft 02 p0148 N91-10863
Three-dimensional viscous drag prediction for rotor blades 02 p0148 N91-10865
NASA Computational Fluid Dynamics Conference. Volume 2: Sessions 7-12
[NASA-CP-10038-VOL-2] 02 p0149 N91-10868
Progress in computing nozzle/plume flow fields 02 p0149 N91-10872
Prediction of turbine rotor-stator interaction using Navier-Stokes methods 02 p0151 N91-10881
Simulation of powered-lift flows 02 p0152 N91-10886
Unstructured mesh solution of the Euler and Navier-Stokes equations 02 p0153 N91-10892
Visualization of fluid dynamics at NASA Ames 02 p0154 N91-10895
Computational fluid dynamics on a massively parallel computer 02 p0154 N91-10896
The computation of thermo-chemical nonequilibrium hypersonic flows 02 p0154 N91-10898
The calculation of rotor/fuselage interaction for two-dimensional bodies
[NASA-TM-102855] 02 p0161 N91-10933
Summary of the industry/NASA/FAA workshop on philosophy of automation: Promises and realities 02 p0162 N91-10942
Human-centered automation: Development of a philosophy 02 p0163 N91-10944
Crew workload strategies in advanced cockpits 02 p0163 N91-10945
Assessing information transfer in full mission flight simulations 02 p0163 N91-10946
Technological advances for studying human behavior 02 p0163 N91-10947
A function-based approach to cockpit procedure aids 02 p0164 N91-10953
Procedural error monitoring and smart checklists 02 p0165 N91-10954
ATC automation concepts 02 p0165 N91-10957
Time-based operations in an advanced ATC environment 02 p0165 N91-10958
Terminal weather information management 02 p0166 N91-10960
A piloted simulator evaluation of a ground-based 4-D descent advisor algorithm 02 p0176 N91-11000
Performance of a parallel code for the Euler equations on hypercube computers
[NASA-TM-102260] 02 p0249 N91-11384
A proposed definition for a pitch attitude target for the microburst escape maneuver 03 p0303 N91-11687
Technical aspects of a demonstration tape for three-dimensional sound displays
[NASA-TM-102826] 04 p0553 N91-13066
Indicial response approach derived from Navier-Stokes equations. Part 1: Time-invariant equilibrium state
[NASA-TM-102856] 05 p0614 N91-13408
Integrated flight-propulsion control concepts for supersonic transport airplanes
[NASA-TM-101728] 05 p0624 N91-13460
Turbulence and pressure loss characteristics of the inlet vanes for the 80- by 120-ft wind tunnel
[NASA-TM-102808] 05 p0625 N91-13466
Turbulence modeling for sharp-fin-induced shock wave/turbulent boundary-layer interactions
[NASA-TM-102828] 05 p0658 N91-13652
A laser Doppler velocimeter approach for near-wall three-dimensional turbulence measurements
[NASA-TM-102841] 05 p0658 N91-13653
General Rotorcraft Aeromechanical Stability Program (GRASP): Theory manual
[NASA-TM-102255] 05 p0677 N91-13762
CELSS research and development program 05 p0692 N91-13850
Physiological responses to prolonged bed rest in humans: A compendium of research, 1981-1988
[NASA-TM-102249] 05 p0694 N91-13862
Apparatus for precision focusing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] 05 p0717 N91-14002
Performance of multiplexed Ge:Ga detector arrays in the far infrared
[NASA-TM-102275] 05 p0732 N91-14087
The Interstellar Medium in External Galaxies: Summaries of contributed papers
[NASA-CP-3084] 05 p0734 N91-14100
Physical conditions in photodissociation regions: Application to galactic nuclei 05 p0736 N91-14113
Far-infrared spectroscopy of NGC 6946, IC 342, and Arp 299 05 p0737 N91-14114
Very small grains in the Milky Way and external galaxies 05 p0742 N91-14138
IRAS observations of the ISM in the gamma CAS reflection nebula 05 p0742 N91-14140
Multiband observations of Cygnus A: A study of pressure balance in the core of a powerful radio galaxy 05 p0745 N91-14151
Evolution of a superbubble blastwave in a magnetized medium 05 p0750 N91-14180
MHD shocks in the ISM 05 p0751 N91-14183
What sort of standard candle is Orion for studying molecular hydrogen line emission in galaxies 05 p0751 N91-14184
Tabulation of data from the tip aerodynamics and acoustics test
[NASA-TM-102280] 06 p0771 N91-14273
Flight data acquisition methodology for validation of passive ranging algorithms for obstacle avoidance
[NASA-TM-102809] 06 p0779 N91-14322
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] 06 p0787 N91-14357
Pyroelectric detectors 06 p0794 N91-14390
Modeling and control design of a wind tunnel model support
[NASA-TM-103829] 06 p0822 N91-14540
Multiple axis reticle
[NASA-CASE-ARC-11886-1-SB] 06 p0831 N91-14591
Exobiology in Earth orbit: The results of science workshops held at NASA, Ames Research Center
[NASA-SP-500] 06 p0856 N91-14725
NASA's supercomputing experience
[NASA-TM-102890] 06 p0856 N91-14727
Interstellar Dust: Contributed Papers
[NASA-CP-3036] 06 p0886 N91-14897
Infrared images of reflection nebulae and Orion's bar: Fluorescent molecular hydrogen and the 3.3 micron feature 06 p0890 N91-14918
Airborne observations of the infrared emission bands 06 p0890 N91-14919
Spatial variations of the 3 micron emission features within nebulae 06 p0891 N91-14922
Spectral structure near the 11.3 micron emission feature 06 p0892 N91-14926
The spatial distribution of infrared radiation from visible reflection nebulae 06 p0892 N91-14931
Dust coagulation in ISM 06 p0899 N91-14968
Infrared studies of dust grains in infrared reflection nebulae 06 p0899 N91-14970
Studying the spatial distribution of interstellar dust 06 p0901 N91-14980
Far infrared structure of spiral galaxies from the IRAS CPC images 06 p0902 N91-14988
Stochastic histories of dust grains in the interstellar medium 06 p0904 N91-14998
The nature of cometary dust as determined from infrared observations 06 p0906 N91-15003
Sublimating icy planetesimals as the source of nucleation seeds for grain condensation in classical novae 06 p0908 N91-15016
Sublimating comets as the source of nucleation seeds for grain condensation in the gas outflow from AGB stars 06 p0909 N91-15018
Carbon stars with alpha-C:H emission 06 p0910 N91-15022
New circumstellar dust component in oxygen rich environments 06 p0910 N91-15023
Interstellar extinction at 10-20 microns 06 p0910 N91-15025
Wind tunnel study of an observatory dome with a circular aperture
[NASA-TM-102888] 06 p0912 N91-15040
Dynamic analysis of rotor blade undergoing rotor power shutdown
[NASA-TM-102865] 07 p0935 N91-15124
Flowfield of a lifting hovering rotor: A Navier-Stokes simulation
[NASA-TM-102862] 07 p0936 N91-15128
Simulated rotor test apparatus dynamic characteristics in the 80- by 120-foot wind tunnel
[NASA-TM-102870] 07 p0939 N91-15147
An integrated approach to system design, reliability, and diagnosis
[NASA-TM-102861] 07 p0989 N91-15426
Flow-induced resonance of screen-covered cavities
[NASA-TP-3052] 07 p1002 N91-15499
Laser velocimeter for near-surface measurements
[NASA-CASE-ARC-11917-1] 07 p1005 N91-15520
Exobiology on Mars
[NASA-CP-10055] 07 p1038 N91-15691
Advancing automation and robotics technology for the Space Station Freedom and for the US economy
[NASA-TM-102872] 07 p1038 N91-15692
Simulation of nap-of-Earth flight in helicopters 07 p1047 N91-15744
Numerical solution of the incompressible Navier-Stokes equations
[NASA-TM-102199] 07 p1057 N91-15805
Spacelab 3 mission 07 p1079 N91-15934
Potential use of tiltrotor aircraft in Canadian aviation
[NASA-TM-102245] 08 p1093 N91-16001
A finite element procedure for calculating fluid-structure interaction using MSC/NASTRAN
[NASA-TM-102857] 08 p1165 N91-16414
Triple and quadruple excitation contributions to the binding in Be clusters: Calibration calculations on Be3
[NASA-TM-103391] 08 p1221 N91-16728
A multiwavelength survey of interacting galaxies 08 p1253 N91-16898
An experimental study of counter-rotating cores in elliptical galaxies 08 p1259 N91-16934
An evaluation of three two-dimensional computational fluid dynamics codes including low Reynolds numbers and transonic Mach numbers
[NASA-TM-102840] 09 p1274 N91-17001
Aviation safety and automation technology for subsonic transports
[NASA-TM-103831] 09 p1275 N91-17009
Operational efficiency subpanel advanced mission control 09 p1280 N91-17037
A trajectory planning scheme for spacecraft in the space station environment
[NASA-TM-102866] 09 p1286 N91-17071
The aerospace plane design challenge: Credible computational fluid dynamics results
[NASA-TM-102887] 09 p1294 N91-17112

Global change and carrying capacity: Implications for life on Earth 09 p1357 N91-17454
The application of CFD to rotary wing flow problems 10 p1460 N91-18054
Sea level static calibration of a compact multimission aircraft propulsion simulator with inlet flow distortion [NASA-TM-102838] 10 p1463 N91-18066
The 2.5 to 5.0 micrometer spectral of Io: Evidence for H2S and H2O frozen in SO2 10 p1623 N91-18955
Modal analysis of UH-60A instrumented rotor blades [NASA-TM-4239] 11 p1641 N91-19052
Panel methods: An introduction [NASA-TP-2995] 11 p1642 N91-19058
An experimental study of the turbulent boundary layer on a transport wing in subsonic and transonic flow [NASA-TM-102206] 11 p1643 N91-19062
Single-strain-gage force/stiffness buckling prediction techniques on a hat-stiffened panel [NASA-TM-101733] 11 p1646 N91-19077
Introduction of the M-85 high-speed rotorcraft concept [NASA-TM-102871] 11 p1646 N91-19078
State estimation applications in aircraft flight-data analysis: A user's manual for SMACK [NASA-RP-1252] 11 p1647 N91-19082
Development of a fatigue-life methodology for composite structures subjected to out-of-plane load components [NASA-TM-102885] 11 p1677 N91-19241
Composite flexible insulation for thermal protection of space vehicles [NASA-TM-103836] 11 p1688 N91-19304
Centrifuge Facility Conceptual System Study. Volume 1: Facility overview and habitats [NASA-TM-102860-VOL-1] 11 p1740 N91-19566
Simulating motivated cognition [NASA-TM-102886] 11 p1781 N91-19770
J-85 jet engine noise measured in the ONERA S1 wind tunnel and extrapolated to far field [NASA-TP-3053] 11 p1790 N91-19823
Large-scale aeroacoustic research feasibility and conceptual design of test-section inserts for the Ames 80- by 120-foot wind tunnel [NASA-TP-3020] 11 p1791 N91-19824
Research and technology, 1989 [NASA-TM-102264] 11 p1826 N91-20039
Manual Control Aspects of Orbital Flight [NASA-CP-10056] 12 p1846 N91-20147
Manual control aspects of orbital flight 12 p1846 N91-20148
Interactive orbital proximity operations planning system 12 p1847 N91-20152
Hypervelocity atmospheric flight: Real gas flow fields [NASA-RP-1249] 12 p1894 N91-20418
The Ames-Lockheed orbiter processing scheduling system 12 p1941 N91-20677
Parallel processing and expert systems 12 p1945 N91-20700
Recovery from an anomalous thruster input during a simulated docking maneuver 12 p1948 N91-20714
Issues on combining human and non-human intelligence 12 p1949 N91-20721
An architecture for designing fuzzy logic controllers using neural networks 12 p1965 N91-20812
Simulation of nap-of-the-Earth flight in helicopters [NASA-TM-102830] 13 p2024 N91-21131
Suppression of biodynamic interference in head-tracked teleoperation [NASA-TM-103833] 13 p2024 N91-21134
Digital signal conditioning for flight test instrumentation [NASA-TM-101739] 13 p2024 N91-21135
Characteristic eddy decomposition of turbulence in a channel [NASA-TM-100065] 13 p2082 N91-21470
Estimates of thermochemical relaxation lengths behind normal shock waves relevant to manned lunar and Mars return missions, the aeroassist flight experiment, and Mars entry [NASA-TM-102879] 13 p2082 N91-21471
Acoustic and aerodynamic study of a pusher-propeller aircraft model [NASA-TP-3040] 13 p2147 N91-21828
SOFIA: The Stratospheric Observatory For Infrared Astronomy 13 p2174 N91-22003
The submillimeter wave astronomy satellite 13 p2177 N91-22025
NASA Ames aerospace systems directorate research [NASA-TM-103844] 13 p2184 N91-22066
Forces and pressures induced on circular plates by a single lifting jet in ground effect [NASA-TM-102816] 14 p2187 N91-22077
Small-scale experiments in STOVL ground effects [NASA-TM-102813] 14 p2189 N91-22091
Telescience testbedding: Technical and operational requirements for an international capability 14 p2223 N91-22292
The NASA-ER2 meteorological measurement system: Instrumentaion, calibration and intercomparison results 14 p2289 N91-22658
Centrifuge facility conceptual system study. Volume 2: Facility systems and study summary [NASA-TM-102860-VOL-2] 14 p2297 N91-22697
Developmental adaptations to gravity in animals [NASA-TM-102228] 14 p2301 N91-22716
Characteristics of the Martian atmosphere surface layer 14 p2348 N91-22988
Free convection in the Matian atmosphere 14 p2349 N91-22989
An efficient and accurate technique to compute the absorption, emission, and transmission of radiation by the Martian atmosphere 14 p2350 N91-22995
The virtual environment display system 14 p2354 N91-23022
Virtual acoustics displays 14 p2355 N91-23023
Biological neural networks as model systems for designing future parallel processing computers 14 p2355 N91-23027
Mechanical response tissue analyzer for estimating bone strength 14 p2356 N91-23031
Plasma-polymerized coating for polycarbonate: Single-layer, abrasion resistant, and antireflection 14 p2358 N91-23043
Lightweight, fire-retardant, crashworthy aircraft seat cushioning 14 p2359 N91-23052
Microwave landing system modeling with application to air traffic control [NASA-TM-102832] 15 p2367 N91-23099
Analytical and experimental investigations of the oblique detonation wave engine concept 15 p2379 N91-23169
Technologies for aerobraking [NASA-TM-102854] 15 p2386 N91-23207
Computational needs survey of NASA automation and robotics missions. Volume 1: Survey and results [NASA-TM-103860-VOL-1] 15 p2409 N91-23341
Transcapillary fluid shifts in head and neck tissues during and after simulated microgravity [NASA-TM-103847] 15 p2474 N91-23704
Physical/chemical closed-loop water-recycling 15 p2537 N91-24052
Simulation of blood flow through an artificial heart 15 p2537 N91-24056
A non-invasive measure of minerals and electrolytes in tissue 15 p2538 N91-24058
A conformal oxidation-resistant, plasma-polymerized coating 15 p2539 N91-24063
Flame-retardant composite materials 15 p2539 N91-24064
The computation of induced drag with nonplanar and deformed wakes 16 p2546 N91-24106
Suckdown, fountain lift, and pressures induced on several tandem jet V/STOL configurations [NASA-TM-102817] 16 p2546 N91-24108
Simulation evaluation of a speed-guidance law for Harrier approach transitions [NASA-TM-102853] 16 p2562 N91-24209
Controlled Ecological Life Support Systems: Natural and Artificial Ecosystems [NASA-CP-10040] 16 p2665 N91-24744
ALDAS user's manual [NASA-TM-102831] 16 p2667 N91-24757
LDEF impact craters formed by carbon-rich impactors 16 p2712 N91-25008
Applications of higher harmonic control to hingeless rotor systems [NASA-TM-103846] 17 p2727 N91-25102
Computer aiding for low-altitude helicopter flight [NASA-TM-103861] 17 p2735 N91-25142
Computational needs survey of NASA automation and robotics missions. Volume 2: Appendixes [NASA-TM-103860-VOL-2] 17 p2765 N91-25304
The aerospace plane design challenge: Credible computational fluid dynamics results 17 p2772 N91-25341
Navier-Stokes simulation of inlet flow fields-experimental verification 17 p2773 N91-25344
Sensitivity of inlet performance predictions to CFD numerical and physical modeling 17 p2773 N91-25345
CFD validation for forebody inlet interactions 17 p2773 N91-25349
Aeroacoustic and aerodynamic applications of the theory of nonequilibrium thermodynamics [NASA-TP-3118] 17 p2774 N91-25352
NASA/Ames Research Center's science and applications aircraft program 17 p2792 N91-25448
Calibration of the ER-2 meteorological measurement system 17 p2793 N91-25453
Applications of the ER-2 meteorological measurement system 17 p2794 N91-25457
NASA/Ames Research Center DC-8 data system 17 p2794 N91-25458
NASA DC-8 airborne research laboratory 17 p2795 N91-25460
Remote sensing of Earth's atmosphere and surface using a digital array scanned interferometer: A new type of imaging spectrometer 17 p2796 N91-25466
Hyperspectral data analysis for estimation of foliar biochemical content along the Oregon transect 17 p2797 N91-25472
Ames Research Center C-130 17 p2797 N91-25474
Status report on the land processes aircraft science management operations working group 17 p2798 N91-25476
Science requirements and feasibility/design studies of a very-high-altitude aircraft for atmospheric research 17 p2799 N91-25481
C-130 Automated Digital Data System (CADDS) 17 p2799 N91-25482
The high altitude aircraft program of NASA/Ames Research Center 17 p2799 N91-25483
Remote sensing of the seasonal variation of coniferous forest structure and function 17 p2799 N91-25485
High altitude aircraft direction using real-time scientific analysis of telemetered data 17 p2800 N91-25489
Gravity, calcium, and bone: Update, 1989 17 p2818 N91-25573
Macular bioaccelerometers on Earth and in space 17 p2819 N91-25580
Using a graphical programming language to write CAMAC/GPIB instrument drivers [NASA-TM-103849] 17 p2832 N91-25647
Analysis of the Intel 386 and i486 microprocessors for the Space Station Freedom Data Management System [NASA-TM-103862] 17 p2838 N91-25687
Low-pressure clathrate-hydrate formation in amorphous astrophysical ice analogs 17 p2892 N91-25985
Pre-encounter observations of 951 Gaspra 17 p2897 N91-26010
Planetological implications of mass loss from the early Sun 17 p2898 N91-26017
Getting water from the water of hydration on Mars 17 p2911 N91-26072
Potential for the identification of localized water-bearing regions on Mars 17 p2913 N91-26081
Physical and chemical properties of the Martian soil: Review of resources 17 p2913 N91-26084
Distillation of H2O from hard-frozen Martian permafrost 17 p2914 N91-26086
Planetary engineering 17 p2915 N91-26091
Format and basic geometry of a perspective display of air traffic for the cockpit [NASA-TM-86680] 18 p2926 N91-26142
The kinematics of turbulent boundary layer structure [NASA-TM-103859] 18 p2982 N91-26465
Parallel processing and expert systems [NASA-TM-103886] 18 p3042 N91-26796
NSIUWG: Science networking retreat 18 p3078 N91-27010
NSI organization and highlights 18 p3078 N91-27011
Customer requirements process 18 p3078 N91-27012
NSI engineering review 18 p3078 N91-27013
Backbone upgrades and DEC equipment replacement 18 p3078 N91-27014
NSI white pages project: X.500 directory service 18 p3081 N91-27039
NSI customer service representatives and user support office: NASA Science Internet 18 p3081 N91-27040
The NASA Science Internet: An integrated approach to networking 18 p3081 N91-27041
NSI directed to continue SPAN's functions 18 p3082 N91-27042
Sand and Dust on Mars [NASA-CP-10074] 18 p3085 N91-27057
The chemistry and mineralogy of Mars soil and dust 18 p3085 N91-27058
Derivation of mid-infrared (5-25 microns) optical constants of some silicates and palagonite 18 p3088 N91-27077
Sand and dust issues for the MESUR mission 18 p3089 N91-27080
Dust in the Mars atmosphere 18 p3090 N91-27082
The evolution of energy-transducing systems. Studies with an extremely halophiiic archaebacterium [NASA-CR-188641] 19 p3207 N91-27724
Observer properties for understanding dynamical displays: Capacities, limitations, and defaults [NASA-TM-102812] 19 p3214 N91-27784
Advancing automation and robotics technology for the Space Station Freedom and for the U.S. economy. Submitted to the Congress of the U.S. May 1991 [NASA-TM-103851] 19 p3216 N91-27773

A comparative study of seminiferous tubular epithelium from rats flown on Cosmos 1887 and SL3
19 p3266 N91-28064
Seasonal nitrous oxide flux from an intensively managed pasture in a humid subtropical ecosystem
19 p3267 N91-28071
Rotor and control system loads analysis of the XV-15 with the advanced technology blades
[NASA-TM-102876] 20 p3279 N91-28134
Three-dimensional virtual acoustic displays
[NASA-TM-103835] 22 p3719 N91-30697
Cryo-mechanical tests of Ames 24E2 IR-black coating
[NASA-TM-102863] 22 p3770 N91-31024
Vibration analysis of the SA349/2 helicopter
[NASA-TM-102794] 23 p3781 N91-31078
Airborne rescue system
[NASA-CASE-ARC-11909-1] 23 p3786 N91-31113
Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] 23 p3811 N91-31258
Controlled Ecological Life Support Systems: CELSS '89 Workshop
[NASA-TM-102277] 23 p3901 N91-31775
Environmental modification of yield and food composition of cowpea and leaf lettuce
23 p3902 N91-31777
The crop growth research chamber: A ground-based facility for CELSS research 23 p3904 N91-31792
Prediction techniques for jet-induced effects in hover on STOVL aircraft
[NASA-TM-102818] 24 p3948 N91-32070
Comparisons of elastic and rigid blade-element rotor models using parallel processing technology for piloted simulations
[NASA-TM-102859] 24 p3948 N91-32071
Aeroelastic loads and stability investigation of a full-scale hingeless rotor
[NASA-TM-103867] 24 p3960 N91-32134
Human-centered aircraft automation: A concept and guidelines
[NASA-TM-103885] 24 p3961 N91-32135
Development and evaluation of an inverse solution technique for studying helicopter maneuverability and agility
[NASA-TM-102889] 24 p3963 N91-32145
Parabolized Navier-Stokes methods for hypersonic flows 24 p4013 N91-32433
International Workshop on Stratospheric Aerosols: Measurements, Properties, and Effects
[NASA-CP-3114] 24 p4032 N91-32528
Science issues 24 p4032 N91-32529
Measurements 24 p4032 N91-32530
Planetary astronomy 24 p4120 N91-33027
SOFIA: A Stratospheric Observatory for Infrared Astronomy
[NASA-TM-103840] 24 p4121 N91-33033

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. EARTH RESOURCES LAB., BAY SAINT LOUIS, MS.

Utility of remotely sensed data for identification of soil conservation practices
[NASA-CR-176874] 02 p0228 N91-11276
A study of spatial data management and analysis systems 19 p3269 N91-28081

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. GODDARD INST. FOR SPACE STUDIES, NEW YORK, NY.

ISCCP results for the FIRE IFO regions and times
01 p0075 N91-10451
Comparison of solar and other influences on long-term climate 03 p0443 N91-12477
Vulnerability of the US to future sea level rise
[NASA-TM-105018] 19 p3186 N91-27617
A global data set of soil particle size properties
[NASA-TM-4286] 22 p3698 N91-30589

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. GODDARD SPACE FLIGHT CENTER, GREENBELT, MD.

The 1990 Reference Handbook: Earth Observing System
[NASA-TM-102910] 01 p0063 N91-10378
Synoptic conditions producing cirrus during the FIRE cirrus IFO 01 p0074 N91-10449
Cirrus cloud model parameterizations: Incorporating realistic ice particle generation 01 p0075 N91-10453
Climate data system supports FIRE
01 p0075 N91-10455
Lidar and radiometer results from the ER-2 for the FIRE field experiments 01 p0078 N91-10468
Overview of the 27-28 October FIRE Cirrus IFO case: Meteorology and cloud fields 01 p0080 N91-10477
Cloud atlas for the FIRE Cirrus Intensive Field Observation (IFO) 01 p0082 N91-10487
Cloud spatial structure during the FIRE MS IFO
01 p0084 N91-10500
Cloud absorption properties as derived from airborne measurements of scattered radiation within clouds
01 p0087 N91-10512
Cloud optical parameters as derived from the multispectral cloud radiometer 01 p0087 N91-10513
Thermodynamic structure of the stratocumulus-capped boundary layer on 5 July 1987 01 p0088 N91-10516
ER-2 lidar measurements of stratocumulus cloud top structure on July 14, 1987 01 p0089 N91-10523
Comparison and calibration of NCAR electra instruments: July 5 and 7, 1987
01 p0091 N91-10532
Thermodynamic structure of the stratocumulus-capped boundary layer on 7 July, 1987
01 p0092 N91-10533
Neutral winds derived from IRI parameters and from the HWM87 wind model for the sundial campaign of September, 1986
[NASA-TM-103445] 01 p0093 N91-10543
Proceedings of the Thirteenth Annual Software Engineering Workshop
[NASA-TM-103314] 01 p0105 N91-10606
Evolving impact of Ada on a production software environment 01 p0105 N91-10607
The Software Management Environment (SME)
01 p0105 N91-10609
Acceleration by pulsar winds in binary systems
[NASA-TM-103451] 01 p0138 N91-10816
Proceedings of the First NASA Ada Users' Symposium
[NASA-TM-102941] 02 p0251 N91-11389
Ada and software management in NASA: Symposium/forum
[NASA-TM-103297] 02 p0251 N91-11390
Late stages in the evolution of classical novae
[NASA-TM-102969] 02 p0291 N91-11633
Climate Impact of Solar Variability
[NASA-CP-3086] 03 p0439 N91-12456
Energy transport below sunspots and faculae
03 p0441 N91-12464
Solar irradiance observed from PVO and inferred solar rotation 03 p0441 N91-12465
A solar constant model for sun-climate studies: 1600-2000AD 03 p0444 N91-12481
Feedback processes and climate response
03 p0445 N91-12486
An alternative derivation of the Nimbus 7 total solar irradiance variations 03 p0447 N91-12496
Solar constant data from Earth radiation budget measurements 03 p0447 N91-12498
Ten years of solar change as monitored by SBUV and SBUV/2 03 p0448 N91-12503
Determination of fiber volume in graphite/epoxy materials using computer image analysis
[NASA-TM-100770] 04 p0498 N91-12767
Spacecraft thermal blanket cleaning: Vacuum bake of gaseous flow purging
[NASA-TM-100760] 04 p0509 N91-12825
User's guide: Nimbus-7 Earth radiation budget narrow-field-of-view products. Scene radiance tape products, sorting into angular bins products, and maximum likelihood cloud estimation products
[NASA-RP-1246] 04 p0549 N91-13043
Residual circulations calculated from satellite data: Their relations to observed temperature and ozone distributions
[NASA-CR-188952] 04 p0610 N91-13391
Device for applying constant pressure to a surface
[NASA-CASE-GSC-13230-1] 05 p0672 N91-13734
Earth observing satellite: Understanding the Earth as a system 05 p0692 N91-13853
Laser optical disk position encoder with active heads
[NASA-CASE-GSC-13175-1] 05 p0717 N91-14001
Method of fabricating germanium and gallium arsenide devices
[NASA-CASE-GSC-13265-1] 05 p0728 N91-14066
Emission from small dust particles in diffuse and molecular cloud medium 05 p0742 N91-14137
A model for the infrared emission from an OB star cluster environment 05 p0742 N91-14139
Infrared analysis of LMC superbubbles
05 p0751 N91-14181
A near infrared spectroscopic study of the interstellar gas in the starburst core of M82
05 p0759 N91-14221
COBE's search for structure in the Big Bang
[NASA-TM-102976] 05 p0769 N91-14271
Satellite situation report, volume 30, no. 1
[NASA-TM-101105] 06 p0791 N91-14372
Outgassing data for selecting spacecraft materials, revision 2
[NASA-RP-1124-REV-2] 06 p0804 N91-14437
An evaluation of two flat-black silicone paints for space application
[NASA-TM-100768] 06 p0813 N91-14494
Digitized synchronous demodulator
[NASA-CASE-GSC-13237-1] 06 p0823 N91-14550
Crustal Dynamics Project data analysis, 1990
[NASA-TM-100765] 06 p0847 N91-14679
Observations of the diffuse UV radiation field
06 p0889 N91-14912
The capability of the ultraviolet imaging telescope for observing interstellar dust 06 p0889 N91-14913
Does CO trace H2 at high galactic latitude
06 p0900 N91-14973
On the origin of extinction in the Coma cluster of galaxies 06 p0902 N91-14987
Laboratory studies of refractory metal oxide smokes
06 p0903 N91-14993
Infrared emission from the supernova remnant Puppis A: Dust and gas parameters 06 p0911 N91-15032
On the detectability of infrared echo arcs around supernova 1987A 06 p0912 N91-15033
Satellite situation report, volume 30, no. 4
[NASA-TM-103400] 07 p0963 N91-15298
Gravity field error analysis: Applications of GPS receivers and gradiometers on low orbiting platforms
[NASA-TM-100769] 07 p1022 N91-15610
Multisource Data Integration in Remote Sensing
[NASA-CP-3099] 07 p1023 N91-15615
Refinement of ground reference data with segmented image data 07 p1023 N91-15616
A study of the portability of an Ada system in the software engineering laboratory (SEL)
[NASA-TM-103413] 07 p1051 N91-15771
Gamma ray observatory dynamics simulator in Ada (GRODY)
[NASA-TM-103418] 07 p1051 N91-15772
Manager's handbook for software development, revision 1
[NASA-TM-103417] 07 p1051 N91-15773
The atmospheric effects of stratospheric aircraft: A current consensus
[NASA-RP-1251] 08 p1175 N91-16467
Effects of switch leakages upon Nimbus-7 SMMR calibration
[NASA-TM-100705] 08 p1189 N91-16536
Annotated bibliography of software engineering laboratory literature
[NASA-TM-103415] 08 p1201 N91-16602
Multi-color imaging of selected southern interacting galaxies 08 p1247 N91-16867
Tidal events and galactic activity
08 p1255 N91-16911
Flight Mechanics/Estimation Theory Symposium, 1990
[NASA-CP-3102] 09 p1287 N91-17073
Comparison of two on-orbit attitude sensor alignment methods 09 p1287 N91-17074
Inflight estimation of gyro noise
09 p1287 N91-17076
Fixed-head star tracker magnitude calibration on the solar maximum mission 09 p1287 N91-17077
Joint JSC/GSFC two-TDRS navigation certification results for STS-29, STS-30, and STS-32
09 p1288 N91-17081
Ionospheric refraction effects on orbit determination using the orbit determination error analysis system
09 p1288 N91-17082
Procedures for minimizing the effects of high solar activity on satellite tracking and ephemeris generation
09 p1289 N91-17084
The accuracy of dynamic attitude propagation
09 p1289 N91-17086
Comparison and testing of extended Kalman filters for attitude estimation of the Earth radiation budget satellite
09 p1290 N91-17087
Gamma Ray Observatory (GRO) OBC attitude error analysis 09 p1291 N91-17092
Two Axis Pointing System (TAPS) attitude acquisition, determination, and control 09 p1291 N91-17093
On-board attitude determination and control algorithms for SAMPEX 09 p1291 N91-17095
Compliant joint
[NASA-CASE-GSC-13153-1] 09 p1345 N91-17387
Robot cable-compliant devices
[NASA-CASE-GSC-13127-1] 09 p1345 N91-17388
Rolling friction robot fingers
[NASA-CASE-GSC-13261-1] 09 p1347 N91-17401
Proceedings of the 14th Annual Software Engineering Workshop
[NASA-TM-103389] 09 p1379 N91-17581
Proceedings of the 2nd NASA Ada User's Symposium
[NASA-TM-103407] 09 p1379 N91-17582
Database Access Manager for the Software Engineering Laboratory (DAMSEL) user's guide
[NASA-TM-103392] 09 p1379 N91-17583
The cleanroom case study in the Software Engineering Laboratory: Project description and early analysis
[NASA-TM-103390] 09 p1379 N91-17584
Collected software engineering papers, volume 8
[NASA-TM-103393] 09 p1380 N91-17585
Observations of thermal ion influxes about the space shuttle 09 p1404 N91-17727

Hubble Space Telescope: A cosmic time machine
[NASA-TM-103041] 09 p1424 N91-17840
The impact of IUE on studies of the nova outburst: 1986 to 1990 09 p1430 N91-17873
The Lyman far ultraviolet spectroscopic explorer mission 09 p1432 N91-17886
A search for Beta Pictoris analogs 09 p1433 N91-17891
Spectral classification of B stars in the ultraviolet 09 p1433 N91-17895
The very high rotators in the late-B and early-A stars: Shell stars with Si IV and C IV features the case of HD 119921 09 p1435 N91-17905
On the disappearance of O I in some high-luminosity cool stars 09 p1436 N91-17911
A high resolution atlas of Mg II profiles 09 p1437 N91-17916
The intrinsic H I Lyman-alpha line profiles of late-type stars 09 p1437 N91-17920
The long-term monitoring of the spectrophotometric IUE standard stars 09 p1438 N91-17922
Ultraviolet light curves of galactic and extra-galactic classical CNO novae: PW Vul, OS, and LMC 1988 no. 1 and no. 2 09 p1438 N91-17926
Gas dynamics, accretion, and evolution of Algols: Initial results for three representative systems 09 p1439 N91-17930
Properties of the central star of NGC 6826 (03f) 09 p1439 N91-17933
A statistical analysis of IUE spectra of dwarf novae and nova-like stars 09 p1440 N91-17937
PW Vul: A classical nova with nearly solar abundances 09 p1441 N91-17942
Nova LMC 1990 no. 1: The first extragalactic neon nova 09 p1441 N91-17943
Nova LMC 1990 no. 2: The first extragalactic recurrent nova 09 p1441 N91-17944
IUE observations of galactic and extragalactic recurrent novae 09 p1441 N91-17945
Late stages in the evolution of classical novae 09 p1441 N91-17946
Ultraviolet, visual, and infrared studies of galactic extreme emission line objects with very large IR-excess 09 p1442 N91-17950
Ultraviolet observations of x ray transients 09 p1442 N91-17952
Narrow circumstellar emission lines in SN 1987A 09 p1443 N91-17953
Galactic survey of interstellar abundances and selective extinction with IUE and IRAS 09 p1443 N91-17958
The missing UV absorption lines of NGC 4151 09 p1444 N91-17962
C IV: Line profile correlations in NGC 4151 09 p1444 N91-17963
IUE and Einstein observations of the LINER galaxy NGC 4579 09 p1444 N91-17965
Optical, near, infrared and ultraviolet monitoring of the Seyfert 1 galaxy Markarian 335 09 p1445 N91-17970
UV properties of hot stars in NGC 6752 09 p1446 N91-17975
Multiwavelength studies of southern early type galaxies 09 p1446 N91-17977
Science observations with the IUE using the one-gyro mode 09 p1447 N91-17979
NSSDC: Preserving time with technological advances 09 p1447 N91-17985
An accurate registration technique for distorted images 09 p1448 N91-17986
A new photometric correction technique for the IUE final archive 09 p1448 N91-17987
A revised parametrization of the dispersion constants for high dispersion IUE images 09 p1448 N91-17989
A new approach to remove interorder background in high dispersion IUE images 09 p1448 N91-17990
Attached shuttle payload carriers: Versatile and affordable access to space
[NASA-TM-103395] 10 p1485 N91-18181
A review of recent research on improvement of physical parameterizations in the GLA GCM
[NASA-TM-100771] 10 p1557 N91-18561
Imaging high-resolution spectroscopy in the thermal infrared for planetary atmosphere studies 10 p1623 N91-18952
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
Sixteenth Space Simulation Conference Confirming Spaceworthiness Into the Next Millennium
[NASA-CP-3096] 11 p1656 N91-19126
The test facility requirements for the thermal vacuum thermal balance test of the Cosmic Background Explorer Observatory 11 p1657 N91-19128
Flow fields of low pressure vent exhausts 11 p1658 N91-19135
Contamination control program for the Cosmic Background Explorer: An overview 11 p1661 N91-19152
System description document for the Anthrobot-2: A dexterous robot hand
[NASA-TM-104535] 11 p1716 N91-19449
A status report on the analysis of the NOAA-9 SBUV/2 sweep mode solar irradiance data 11 p1731 N91-19518
A technique for directly comparing radiances from two satellites 11 p1731 N91-19520
Initial estimate of NOAA-9 SBUV/2 total ozone drift: Based on comparison with re-calibrated TOMS measurements and pair justification of SBUV/2 11 p1732 N91-19523
Calibration of long term satellite ozone data sets using the space shuttle 11 p1732 N91-19524
Ozone measurements from the NOAA-9 and the Nimbus-7 satellites: Implications of short and long term variabilities 11 p1732 N91-19527
On the joint inversion of geophysical data for models of the coupled core-mantle system
[NASA-TM-104536] 11 p1738 N91-19557
K/T age for the popigai impact event 11 p1820 N91-19999
Thermal shock testing for assuring reliability of glass-sealed microelectronic packages
[NASA-TM-104537] 12 p1910 N91-20500
West Antarctic Ice Sheet Initiative. Volume 1: Science and Implementation Plan
[NASA-CP-3115-VOL-1] 12 p1916 N91-20541
The Magsat bibliography. Revision 1
[NASA-TM-104534] 12 p1924 N91-20586
A simplified treatment of SiB's land surface albedo parameterization
[NASA-TM-104538] 12 p1926 N91-20598
The development test flight of the flight telerobotic servicer 12 p1938 N91-20661
A collision detection algorithm for telerobotic arms 12 p1939 N91-20666
Utilizing expert systems for satellite monitoring and control 12 p1946 N91-20705
EnviroNET: An online environmental interactions resource 12 p1949 N91-20725
Fabry-Perot observations of comet Austin 12 p2003 N91-21021
Infrared spectroscopy of comets 12 p2004 N91-21026
Comet Brorsen-Metcalf in the 3.5 micron region 12 p2005 N91-21033
A tail-wagging event in comet Austin 12 p2005 N91-21038
AEOSS design guide for system analysis on Advanced Earth-Orbital Spacecraft Systems
[NASA-TM-100772] 13 p2040 N91-21223
AEOSS runtime manual for system analysis on Advanced Earth-Orbital Spacecraft Systems
[NASA-TM-100773] 13 p2041 N91-21224
Redistribution of particulates on a payload during flight ascent
[NASA-TM-104539] 13 p2046 N91-21255
Connection space reduction mechanism
[NASA-CASE-GSC-13220-1] 13 p2093 N91-21525
Report of the panel on plate motion and deformation, section 2 13 p2106 N91-21591
Report of the panel on geopotential fields: Magnetic field, section 9 13 p2107 N91-21598
Volcanism-Climate Interactions
[NASA-CP-10062] 13 p2114 N91-21641
Historical evidence for a connection between volcanic eruptions and climate change 13 p2115 N91-21642
Climatic impact of volcanic eruptions 13 p2115 N91-21643
Geodynamics branch data base for main magnetic field analysis
[NASA-TM-104542] 13 p2117 N91-21653
Geomagnetic model investigations for 1980 - 1989: A model for strategic defense initiative particle beam experiments and a study in the effects of data types and observatory bias solutions
[NASA-TM-104541] 13 p2117 N91-21654
GEMPAK5 user's guide, version 5.0
[NASA-TM-4260] 13 p2119 N91-21661
GEMPAK5. Part 1: GEMPAK5 programmer's guide, version 5.0
[NASA-TM-4261-PT-1] 13 p2119 N91-21662
GEMPAK5. Part 2: GEMPLT programmer's guide, version 5.0
[NASA-TM-4261-PT-2] 13 p2119 N91-21663
Hypermedia and intelligent tutoring applications in a mission operations environment 13 p2166 N91-21948
Early results from the Cosmic Background Explorer (COBE) 13 p2172 N91-21988
Second Tracking and Data Relay Satellite System (TDRSS) Ground Terminal: STGT 14 p2212 N91-22221
The Explorer platform planning system: An application of a resource reasoning planning shell 14 p2212 N91-22222
Transportable Applications Environment (TAE) Plus: A User interface development and management system 14 p2221 N91-22279
Developing a user-interface-evaluation tool for space-station-era applications 14 p2221 N91-22282
Transportable payload operations control center 14 p2223 N91-22294
Earth observing system: 1989 reference handbook
[NASA-TM-104948] 14 p2233 N91-22353
The 1991 Goddard Conference on Space Applications of Artificial Intelligence
[NASA-CP-3110] 14 p2312 N91-22769
Using C to build a satellite scheduling expert system: Examples from the Explorer platform planning system 14 p2313 N91-22774
The Generic Spacecraft Analyst Assistant (GenSAA): A tool for automating spacecraft monitoring with expert systems 14 p2314 N91-22779
A machine independent expert system for diagnosing environmentally induced spacecraft anomalies 14 p2314 N91-22782
A color-coded vision scheme for robotics 14 p2315 N91-22785
Lessons learned in the development of the STOL intelligent tutoring system 14 p2317 N91-22795
MEVTV study: Early tectonic evolution of Mars: Crustal dichotomy to Valles Marineris 14 p2349 N91-22990
Are Noachian-age ridged plains (Nplr) actually early Hesperian in age 14 p2349 N91-22991
Evolution of the Olympus Mons Caldera, Mars 14 p2350 N91-22998
Chemical evolution of the early Martian hydrosphere 14 p2351 N91-23001
Complex early rifting in Valles Marineris: Results from preliminary geologic mapping of the Ophir Planum Region of Mars 14 p2351 N91-23002
Possible deficiency of large Martian craters and relative cratering of the terrestrial planets 14 p2351 N91-23003
Strike-slip faulting, wrinkle ridges, and time variable stress states in the Coprates Region of Mars 14 p2351 N91-23004
Geology, structure, and statistics of multi-ring basins on Mars 14 p2352 N91-23005
Constraints on the depth and geometry of the magma chamber of the Olympus Mons Volcano, Mars 14 p2352 N91-23010
Biomedical applications of NASA technology 14 p2355 N91-23028
Direction discriminating hearing aid system 14 p2356 N91-23029
High data rate systems for the future 14 p2357 N91-23036
Distributed Access View Integrated Database (DAVID) system 14 p2357 N91-23037
Unique applications of fluoroepoxy materials 14 p2358 N91-23041
Advanced thermal control technology for commercial applications 14 p2360 N91-23058
Control system software, simulation, and robotic applications 14 p2361 N91-23060
Telerobotic electronic materials processing experiment 14 p2361 N91-23061
Advanced mechanisms for robotics 14 p2361 N91-23062
The flight telerobotic servicer and technology transfer 14 p2361 N91-23063
Instrumentation for optical ocean remote sensing 14 p2362 N91-23070
Magnetostrictive roller drive motor
[NASA-CASE-GSC-13369-1] 15 p2416 N91-23380
Distributed, cooperating knowledge-based systems 15 p2535 N91-24044
Transportable Applications Environment (TAE) Plus: A NASA user interface development and management system 15 p2536 N91-24048
The Land Analysis System (LAS) 15 p2537 N91-24054
Potential commercial uses of EOS remote sensing products 15 p2537 N91-24055
Optical communication for space missions 15 p2540 N91-24070
Laser optical disk position encoder with active heads 15 p2541 N91-24079
Melt-processed bulk superconductors: Fabrication and characterization for power and space applications 15 p2542 N91-24082
Brake lock mechanism for the two axis pointing system 16 p2640 N91-24608

A synchronous chopper mechanism for use at cryogenic temperature 16 p2640 N91-24613
Atlas of the Earth's radiation budget as measured by Nimbus-7: May 1979 to May 1980 [NASA-RP-1263] 16 p2660 N91-24720
Preliminary results for LDEF/HEPP thermal control samples 16 p2715 N91-25028
Long Duration Exposure Facility (LDEF) low-temperature Heat Pipe Experiment Package (HEPP) 16 p2720 N91-25065
Systems special investigation group overview 16 p2723 N91-25084
Long Duration Exposure Facility (LDEF) low-temperature Heat Pipe Experiment Package (HEPP) power system results 16 p2725 N91-25092
Airborne lidar research 17 p2792 N91-25446
High-resolution measurements of surface topography with airborne laser altimetry and the global positioning system 17 p2795 N91-25462
The Millimeter-Wave Imaging Radiometer (MIR) 17 p2795 N91-25463
An electrically scanned thinned array radiometer for Earth remote sensing 17 p2796 N91-25465
The Surface Wave Dynamics Experiment (SWADE) 17 p2798 N91-25478
The remotely piloted vehicle as an earth science research aircraft 17 p2799 N91-25484
Visible and near infrared observation on the Global Aerosol Backscatter Experiment (GLOBE) 17 p2799 N91-25486
Advanced Solid-State Array Spectrometer (ASAS) data sets from the 1990 field season: A unique look at two forested ecosystems 17 p2800 N91-25488
The 1990 forest ecosystem dynamics multisensor aircraft campaign 17 p2800 N91-25490
A pointable, helicopter-based remote sensing data acquisition system for collecting bidirectional reflectance data 17 p2800 N91-25491
Aircraft remote sensing of phytoplankton spatial patterns during the 1989 Joint Global Ocean Flux Study (JGOFS) North Atlantic bloom experiment 17 p2800 N91-25493
The role of water vapor in climate. A strategic research plan for the proposed GEWEX water vapor project (GVaP) [NASA-CP-3120] 17 p2814 N91-25556
SEAPAK user's guide, version 2.0. Volume 1: System description [NASA-TM-100728-VOL-1] 17 p2837 N91-25683
SEAPAK user's guide, version 2.0. Volume 2: Descriptions of programs [NASA-TM-100728-VOL-2] 17 p2838 N91-25684
From C/Mrkos to P/Halley: 30 years of cometary spectroscopy 17 p2891 N91-25984
HUT observations of carbon monoxide in the coma of Comet Levy (1990c) 17 p2893 N91-25990
The P/Halley: Spatial distribution and scale lengths for C2, CN, NH2, and H2O 17 p2893 N91-25992
Infrared remote sensing of cometary parent volatiles from the ground, air, and space 17 p2895 N91-26003
The contribution of methanol to the 3.4 micron feature in comets 17 p2896 N91-26005
Limit on the CH4/CO ratio in Comet Levy (1990c) and comparisons with other comets 17 p2897 N91-26013
The effect of electron collisions on rotational excitation of cometary water 17 p2898 N91-26018
Synchronous demodulator [NASA-CASE-GSC-13179-1] 18 p2977 N91-26438
West Antarctic Ice Sheet Initiative. Volume 2: Discipline Reviews [NASA-CP-3115-VOL-2] 18 p3001 N91-26573
Nimbus-7 TOMS Antarctic ozone atlas: August - December 1990 [NASA-RP-1264] 18 p3015 N91-26651
Proceedings of the Second Annual NASA Science Internet User Working Group Conference [NASA-CP-3117] 18 p3077 N91-27009
User support services and network application development: An overview 18 p3078 N91-27015
NSI security task: Overview 18 p3078 N91-27016
NSIUWG security sub-group 18 p3079 N91-27026
Overview of the NSI User Support Office (NSI USO) 18 p3079 N91-27028
The NSINIC on-line system 18 p3080 N91-27029
The Internet resources guide and the Automatic Login Executor (ALEX) 18 p3080 N91-27030
CRUSH: The NSI data compression utility 18 p3080 N91-27032
The NASA master directory quick reference guide 18 p3080 N91-27034
A guide to NASA's Pilot Land Data System (PLDS) 18 p3080 N91-27035
The 1980 solar maximum mission event listing [NASA-TM-4287] 18 p3091 N91-27087
Nano-G research laboratory for a spacecraft [NASA-CASE-GSC-13197-1] 19 p3113 N91-27201
Differential current source [NASA-CASE-GSC-13280-1] 19 p3161 N91-27479
Visual aid for the hearing impaired [NASA-CASE-GSC-13027-1-CU] 19 p3169 N91-27522
The 1991 EOS reference handbook [NASA-NP-144] 19 p3183 N91-27603
A case study demonstration of the soil temperature extrema recovery rates after precipitation cooling at 10-cm soil depth [NASA-TM-100731] 19 p3201 N91-27696
High temperature solder device for flat cables [NASA-CASE-GSC-13344-1] 20 p3317 N91-28363
Edge technique for measurement of laser frequency shifts including the Doppler shift [NASA-CASE-GSC-13343-1] 20 p3351 N91-28557
Improved superconducting bearings [NASA-CASE-GSC-13346-1] 20 p3354 N91-28578
Roller locking brake [NASA-CASE-GSC-13376-1] 20 p3354 N91-28579
Spline-locking payload fastener [NASA-CASE-GSC-13378-1] 20 p3354 N91-28581
Coupling device with improved thermal interface [NASA-CASE-GSC-13251-1] 20 p3355 N91-28582
Device for removing foreign objects from anatomic organs [NASA-CASE-GSC-13306-1] 20 p3380 N91-28727
Driven shielding capacitive proximity sensor [NASA-CASE-GSC-13377-1] 20 p3390 N91-28785
The High Energy Solar Physics mission (HESP): Scientific objectives and technical description [NASA-TM-105033] 21 p3462 N91-29201
Compliant walker [NASA-CASE-GSC-13348-2] 21 p3548 N91-29714
Lowell proper motion survey: Southern Hemisphere (Giclas, Burnham, and Thomas 1978). Documentation for the machine-readable version [NASA-TM-105069] 21 p3605 N91-30060
Trajectories of inner and outer heliospheric spacecraft: Predicted through 1999 [NASA-TM-105041] 22 p3626 N91-30177
Preliminary calibration plan for the Advanced Particles and Field Observatory (APAFO) magnetometer experiment [NASA-TM-104545] 22 p3630 N91-30200
The effect of bandwidth on telerobot system performance [NASA-TP-3152] 22 p3689 N91-30540
Consideration of permanent tidal deformation in the orbit determination and data analysis for the Topex/Poseidon mission [NASA-TM-100775] 22 p3705 N91-30619
Solar-terrestrial models and application software [NASA-TM-105052] 22 p3705 N91-30620
Oceanic tide maps and spherical harmonic coefficients from Geosat altimetry [NASA-TM-104544] 22 p3708 N91-30639
Rainfall estimation over oceans from scanning multichannel microwave radiometer and special sensor microwave/imager microwave data [NASA-TM-104546] 22 p3710 N91-30646
Minutes of the CD-ROM Workshop [NASA-TM-105066] 22 p3723 N91-30720
Software for Optical Archive and Retrieval (SOAR) user's guide, version 4.2 [NASA-TM-105039] 22 p3726 N91-30739
The SPAN cookbook: A practical guide to accessing SPAN [NASA-TM-105054] 22 p3726 N91-30740
SPAN security policies and guidelines [NASA-TM-105071] 22 p3726 N91-30741
The NASA master directory: Quick reference guide [NASA-TM-105070] 22 p3727 N91-30742
XSPEC: An x ray spectral fitting package. Version 2 of the user's guide [NASA-TM-105007] 22 p3732 N91-30776
Correlative visualization techniques for multidimensional data [NASA-TM-105073] 22 p3764 N91-30982
Space physics analysis network node directory (The Yellow Pages): Fourth edition [NASA-TM-105068] 22 p3764 N91-30983
Directory interchange format manual, version 3.0 [NASA-TM-105034] 22 p3765 N91-30991
NASA's climate data system primer, version 1.2 [NASA-TM-105063] 22 p3766 N91-30995
The National Space Science Data Center [NASA-TM-105059] 22 p3766 N91-30996
The US Naval Observatory Zodiacal Zone Catalog (Douglas and Harrington 1990): Documentation for the machine-readable version [NASA-TM-105050] 22 p3771 N91-31030
Lick Saturn-Voyager reference star catalogue (Klemola, Taraji, and Ocampo 1979): Documentation for the machine-readable version [NASA-TM-105047] 22 p3772 N91-31031
Lick Jupiter-Voyager reference star catalogue (Klemola, Morabito, and Taraji 1978): Documentation for the machine-readable version [NASA-TM-105092] 22 p3772 N91-31032
A catalog of stellar spectrophotometry (Adelman, et al. 1989): Documentation for the machine-readable version [NASA-TM-105045] 22 p3772 N91-31033
Fifth Fundamental Catalogue (FK5). Part 1: Basic fundamental stars (Fricke, Schwan, and Lederle 1988): Documentation for the machine-readable version [NASA-TM-105043] 22 p3772 N91-31034
Second catalog of interferometric measurements of binary stars (McAlister and Hartkopf 1988): Documentation for the machine-readable version [NASA-TM-105065] 22 p3772 N91-31035
Smithsonian Astrophysical Observatory (SAO) star catalog (Sao staff 1966, edition ADC 1989): Documentation for the machine-readable version [NASA-TM-105064] 22 p3772 N91-31036
Southern Durchmusterung (Schoenfeld 1886): Documentation for the machine-readable version [NASA-TM-105062] 22 p3772 N91-31037
Bonner Durchmusterung (Argelander 1859-1862): Documentation for the machine-readable version [NASA-TM-105061] 22 p3773 N91-31038
A compilation of redshifts and velocity dispersions for Abell clusters (Struble and Rood 1987): Documentation for the machine-readable version [NASA-TM-105060] 22 p3773 N91-31039
A search for ultraviolet-excess objects (Kondo, Noguchi, and Maehara 1984): Documentation for the machine-readable version [NASA-TM-105057] 22 p3773 N91-31040
A multiplet table for Mn I (Adelman, Svatek, Van Winkler, Warren 1989): Documentation for the machine-readable version [NASA-TM-105067] 22 p3773 N91-31041
The 1983 tail-era data series. Volume 4: GOES 5 and GOES 6 geosynchronous magnetic field data [NASA-TM-105040] 22 p3773 N91-31044
The 1983 tail-era data series. Volume 3: Geosynchronous particle measurements [NASA-TM-105038] 22 p3774 N91-31045
The 1983 tail-era data series. Volume 2: ISEE 3 magnetic field [NASA-TM-105049] 22 p3774 N91-31046
The 1983 tail-era series. Volume 1: ISEE 3 plasma [NASA-TM-105048-VOL-1] 22 p3774 N91-31047
PROMIS series. Volume 8: Midlatitude ground magnetograms [NASA-TM-105048-VOL-8] 22 p3774 N91-31048
PROMIS series. Volume 7: GOES 5 and GOES 6 geosynchronous magnetic field data for March - June 1986 [NASA-TM-105072] 22 p3774 N91-31049
Catalog of SAS-2 gamma-ray observations (Fichtel, et al. 1990) [NASA-TM-105053] 22 p3777 N91-31068
The HEAO A-1 x ray source catalog (Wood et al. 1984): Documentation for the machine-readable version [NASA-TM-105051] 22 p3777 N91-31069
A catalog of selected compact radio sources for the construction of an extragalactic radio/optical reference frame (Argue et al. 1984): Documentation for the machine-readable version [NASA-TM-105056] 22 p3778 N91-31070
The 1990 annual statistics and highlights report [NASA-TM-105042] 22 p3778 N91-31075
Emergency locating transmitter [NASA-CASE-GSC-12821-2] 23 p3861 N91-31530
Robotic tool change mechanism [NASA-CASE-GSC-13239-1] 23 p3881 N91-31656
ULDA user's guide [NASA-TM-105074] 23 p3908 N91-31813
An atlas of stellar spectra between 2.00 and 2.45 micrometers (Arnaud, Gilmore, and Collier Cameron 1989) [NASA-TM-105044] 23 p3937 N91-32003
The Li-7 and Be-7 deexcitation lines: Probes for accelerated particle transport models in solar flares [NASA-CR-183490] 23 p3940 N91-32020
Leaching behavior of microtektite glass compositions in sea water and the effect of precipitation on glass leaching [NASA-TM-105106] 24 p3978 N91-32225
An overview of the NASA electronic components information management system 24 p4002 N91-32369
Generation of topographic terrain models utilizing synthetic aperture radar and surface level data [NASA-CASE-GSC-13212-1] 24 p4035 N91-32546

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. HUGH L. DRYDEN FLIGHT RESEARCH CENTER, EDWARDS, CA.
From an automated flight-test management system to a flight-test engineer's workstation
[NASA-TM-104242] 24 p4090 N91-32851

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. HUGH L. DRYDEN FLIGHT RESEARCH FACILITY, EDWARDS, CA.
Flight characteristics of a modified Schweizer SGS1-36 sailplane at low and very high angles of attack
[NASA-TP-3022] 01 p0013 N91-10079
Design of control laws for flutter suppression based on the aerodynamic energy concept and comparisons with other design methods
[NASA-TP-3056] 01 p0056 N91-10328
Flight demonstration of a self repairing flight control system in a NASA F-15 fighter aircraft
04 p0486 N91-12702
A preliminary look at techniques used to obtain airdata from flight at high angles of attack
[NASA-TM-101729] 05 p0623 N91-13453
Integrated flight-propulsion control concepts for supersonic transport airplanes
[NASA-TM-101728] 05 p0624 N91-13460
Initial flight test of a ground deployed system for flying qualities assessment
[NASA-TM-101700] 07 p0945 N91-15182
The effects of pressure sensor acoustics on airdata derived from a High-angle-of-attack Flush Airdata Sensing (HI-FADS) system
[NASA-TM-101736] 09 p1284 N91-17060
Thermal behavior of a titanium honeycomb-core sandwich panel
[NASA-TM-101732] 09 p1353 N91-17433
F-18 high alpha research vehicle surface pressures: Initial in-flight results and correlation with flow visualization and wind-tunnel data
[NASA-TM-101724] 11 p1641 N91-19051
Summary of in-flight flow visualization obtained from the NASA high alpha research vehicle
[NASA-TM-101734] 11 p1642 N91-19055
A simple dynamic engine model for use in a real-time aircraft simulation with thrust vectoring
[NASA-TM-4240] 11 p1647 N91-19079
Techniques for hot structures testing
[NASA-TM-101727] 11 p1647 N91-19080
Monitoring techniques for the X-29A aircraft's high-speed rotating power takeoff shaft
[NASA-TM-101731] 11 p1647 N91-19081
Thermoelastic vibration test techniques
[NASA-TM-101742] 11 p1647 N91-19083
Preliminary results from an airdata enhancement algorithm with application to high-angle-of-attack flight
[NASA-TM-101737] 11 p1650 N91-19095
A proposed Kalman filter algorithm for estimation of unmeasured output variables for an F100 turbofan engine
[NASA-TM-4234] 11 p1650 N91-19099
Real-time application of advanced three-dimensional graphic techniques for research aircraft simulation
[NASA-TM-101730] 11 p1776 N91-19742
In-flight flow visualization characteristics of the NASA F-18 high alpha research vehicle at high angles of attack
[NASA-TM-4193] 12 p1830 N91-20055
Proceedings of the X-15 First Flight 30th Anniversary Celebration
[NASA-CP-3105] 12 p1833 N91-20071
X-15 concept evolution 12 p1833 N91-20072
X-15 hardware design challenges
12 p1833 N91-20073
X-15: The perspective of history
12 p1833 N91-20074
The legacy of the X-15 12 p1833 N91-20075
X-15 contributions to the X-30
12 p1833 N91-20076
What is the X-30 12 p1833 N91-20077
A preliminary evaluation of an F100 engine parameter estimation process using flight data
[NASA-TM-4216] 13 p2078 N91-21446
STARS: An integrated general-purpose finite element structural, aeroelastic, and aeroservoelastic analysis computer program
[NASA-TM-101709-REV] 13 p2105 N91-21587
Multiaxis thrust vectoring using axisymmetric nozzles and postexit vanes on an F/A-18 configuration vehicle
[NASA-TM-101741] 14 p2188 N91-22083
Determination of the effects of heating on modal characteristics of an aluminum plate with application to hypersonic vehicles
[NASA-TM-4274] 14 p2193 N91-22111
Research flight-control system development for the F-18 high alpha research vehicle
[NASA-TM-104232] 14 p2196 N91-22131
Flying qualities of the X-29 forward swept wing aircraft
15 p2372 N91-23127
Buffet induced structural/flight-control system interaction of the X-29A aircraft
[NASA-TM-101735] 15 p2373 N91-23133
Flow visualization study of a 1/48-scale AFTI/F111 model to investigate horizontal tail flow disturbances
[NASA-TM-101698] 16 p2549 N91-24128
Effects of wing sweep on in-flight boundary-layer transition for a laminar flow wing at Mach numbers from 0.60 to 0.79
[NASA-TM-101701] 16 p2628 N91-24555
Effects of wing sweep on boundary-layer transition for a smooth F-14A wing at Mach numbers from 0.700 to 0.825
[NASA-TM-101712] 16 p2629 N91-24556
A knowledge-based system design/information tool for aircraft flight control systems 17 p2734 N91-25139
A simulation study of turbofan engine deterioration estimation using Kalman filtering techniques
[NASA-TM-104233] 17 p2736 N91-25147
Combined compressive and shear buckling analysis of hypersonic aircraft structural sandwich panels
[NASA-TM-4290] 17 p2787 N91-25422
Development of an integrated aeroservoelastic analysis program and correlation with test data
[NASA-TP-3120] 18 p2921 N91-26113
Compressive buckling analysis of hat-stiffened panel
[NASA-TM-4310] 19 p3181 N91-27592
Preliminary flight-determined subsonic lift and drag characteristics of the X-29A forward-swept-wing airplane
[NASA-TM-100409] 21 p3457 N91-29177
Controlling crippled aircraft-with throttles
[NASA-TM-104238] 21 p3460 N91-29191
A simulation evaluation of a four-engine jet transport using engine thrust modulation for flightpath control
[NASA-TM-4324] 21 p3461 N91-29194
The role of the Remotely Augmented Vehicle (RAV) laboratory in flight research
[NASA-TM-104235] 22 p3618 N91-30128
A preliminary investigation of the use of throttles for emergency flight control
[NASA-TM-4320] 22 p3618 N91-30130
Real-time in-flight engine performance and health monitoring techniques for flight research application
[NASA-TM-104239] 22 p3619 N91-30132
Modeling, simulation, and flight characteristics of an aircraft designed to fly at 100,000 feet
[NASA-TM-104236] 22 p3622 N91-30153
Application and flight test of linearizing transformations using measurement feedback to the nonlinear control problem
[NASA-TP-3154] 22 p3623 N91-30154
Combined-load buckling behavior of metal-matrix composite sandwich panels under different thermal environments
[NASA-TM-4321] 22 p3693 N91-30563
A knowledge based application of the extended aircraft interrogation and display system
[NASA-TM-4327] 23 p3916 N91-31874
Preliminary flight evaluation of an engine performance optimization algorithm
[NASA-TM-4328] 24 p3962 N91-32140
A NASA/RAE cooperation in the development of a real-time knowledge-based autopilot
[NASA-TM-104234] 24 p4090 N91-32850

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. JOHN C. STENNIS SPACE CENTER, BAY SAINT LOUIS, MS.
Predictive sensor method and apparatus
[NASA-CASE-SSC-00006-1] 05 p0664 N91-13691
Hydraulic lifting device
[NASA-CASE-SSC-00008-1] 05 p0671 N91-13733
Hybrid butterfly valve
[NASA-CASE-SSC-00004-1] 06 p0834 N91-14609
Combined air and water pollution control system
[NASA-CASE-NST-00007-1] 06 p0844 N91-14662
Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-1] 15 p2522 N91-23976
New research on bioregenerative air/water purification systems 15 p2537 N91-24053
Aircraft laser derived chlorophyll distribution across the Iceland-Faeroe front 17 p2793 N91-25451
Air deployed expendable probes in oceanographic research 17 p2793 N91-25454
End-to-end remote sensing at the Science and Technology Laboratory of John C. Stennis Space Center
17 p2797 N91-25473
Airborne Ground Penetrating Radar (GPR) for peat analyses in the Canadian Northern wetlands study
17 p2798 N91-25479
Polarimetric radar for assessing subsurface characteristics 17 p2800 N91-25492
A superior edge preserving filter with a systematic analysis
[NASA-TM-4311] 19 p3231 N91-27862
Life cycle cost based program decisions
20 p3299 N91-28248
Infusion of instrumentation technology (engine plume diagnostics) into operational test programs
20 p3299 N91-28249
John C. Stennis Space Center roles and missions
20 p3300 N91-28259
Gamma ray collimator
[NASA-CASE-SSC-00013-1] 24 p4029 N91-32515

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. JOHN F. KENNEDY SPACE CENTER, COCOA BEACH, FL.
Evaluation of composite materials for use on launch complexes
[NASA-TM-103809] 01 p0022 N91-10131
Evaluation of candidate alloys for the construction of metal flex hoses in the STS launch environment
[NASA-TM-103808] 01 p0026 N91-10157
Physical and chemical test results of electrostatic safe flooring materials
[NASA-TM-103501] 01 p0033 N91-10194
Evaluation of thermal sprayed metallic coatings for use on the structures at Launch Complex 39
[NASA-TM-103807] 02 p0200 N91-11121
Twenty-Second Annual NASA Supply and Equipment Management Conference
[NASA-CP-10042] 02 p0283 N91-11591
Research and technology at Kennedy Space Center
[NASA-TM-102150] 02 p0297 N91-11664
The CELSS breadboard project: Plant production
05 p0692 N91-13849
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] 06 p0814 N91-14495
Debris/Ice/TPS assessment and photographic analysis for shuttle mission STS-41
[NASA-TM-103814] 08 p1100 N91-16041
An assessment of the government liquid hydrogen requirements for the 1995-2005 time frame including addendum, liquid hydrogen production and commercial demand in the United States
[NASA-TM-103812] 08 p1122 N91-16166
An assessment of the government liquid hydrogen requirements for the 1995-2005 time frame
08 p1122 N91-16167
Debris/ice/TPS assessment and photographic analysis for shuttle mission STS-38
[NASA-TM-103815] 09 p1295 N91-17113
Research and technology
[NASA-TM-103811] 10 p1636 N91-19023
Debris/ice/TPS assessment and photographic analysis for shuttle mission STS-35
[NASA-TM-103816] 11 p1655 N91-19118
Central and peripheral cardiovascular responses to electrically induced and voluntary leg exercise
11 p1761 N91-19687
Responses of women to orthostatic and exercise stresses
[NASA-TP-3043] 11 p1765 N91-19711
Research reports: 1990 NASA/ASEE Summer Faculty Fellowship Program
[NASA-CR-187638] 11 p1824 N91-20022
An intelligent advisory system for pre-launch processing 12 p1942 N91-20682
Chronology of KSC and KSC related events for 1990
[NASA-TM-103327] 12 p2009 N91-21055
Dynamics of vegetation and soils of oak/saw palmetto scrub after fire: Observations from permanent transects
[NASA-TM-103817] 13 p2113 N91-21635
Index of material safety data sheets: Toxic substances registry system
[NASA-GP-23-1] 14 p2298 N91-22704
Al mass spectrometers for space shuttle health monitoring 14 p2362 N91-23069
Atmospheric leakage and condensate production in NASA's biomass production chamber. Effect of diurnal temperature cycles
[NASA-TM-103819] 15 p2477 N91-23718
Monitoring and control technologies for bioregenerative life support systems/CELSS 15 p2538 N91-24060
Localized corrosion of high performance metal alloys in an acid/salt environment 15 p2539 N91-24066
Optical shutter switching matrix
15 p2540 N91-24071
Robotic control and inspection verification
15 p2541 N91-24075
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-37
[NASA-TM-103818] 16 p2564 N91-24218
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-39
[NASA-TM-103820] 16 p2565 N91-24221

Investigating combustion as a method of processing inedible biomass produced in NASA's biomass production chamber
[NASA-TM-103821] 18 p3036 N91-26759
A white paper: Operational efficiency. New approaches to future propulsion systems 20 p3291 N91-28197
Debris/ice/TPS assessment and photographic analysis for Shuttle Mission STS-40
[NASA-TM-103822] 21 p3464 N91-29210
Effects of atmospheric CO2 on photosynthetic characteristics of soybean leaves 23 p3902 N91-31780
Effects of elevated atmospheric carbon dioxide concentrations on water and acid requirements of soybeans grown in a recirculating hydroponic system 23 p3902 N91-31781
Controlled ecological life support system breadboard project, 1988 23 p3904 N91-31791
Factors affecting plant growth in membrane nutrient delivery 23 p3905 N91-31797
The 1991 International Aerospace and Ground Conference on Lightning and Static Electricity, volume 1
[NASA-CP-3106-VOL-1] 24 p4046 N91-32599
The 1991 International Aerospace and Ground Conference on Lightning and Static Electricity, volume 2
[NASA-CP-3106-VOL-2] 24 p4062 N91-32693
Surface wind convergence as a short-term predictor of cloud-to-ground lightning at Kennedy Space Center: A four-year summary and evaluation 24 p4064 N91-32703
Lightning mapping system 24 p4066 N91-32713

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. LYNDON B. JOHNSON SPACE CENTER, HOUSTON, TX.

Workshop on Exercise Prescription for Long-Duration Space Flight
[NASA-CP-3051] 01 p0098 N91-10574
Space station 01 p0099 N91-10576
Work, exercise, and space flight. 1: Operations, environment, and effects of spaceflight 01 p0099 N91-10578
Work, exercise, and space flight. 3: Exercise devices and protocols 01 p0099 N91-10579
Space medicine considerations: Skeletal and calcium homeostasis 01 p0099 N91-10580
Work, exercise, and space flight. 2: Modification of adaptation by exercise (exercise prescription) 01 p0100 N91-10586
Summary and recommendations for initial exercise prescription 01 p0101 N91-10588
Johnson Space Center CFD overview 02 p0144 N91-10844
Numerical aerodynamic simulation of the space shuttle ascent environment 02 p0150 N91-10875
Aerodynamic stability and heating analyses for the aeroassist flight experiment vehicle 02 p0155 N91-10899
Radiological health risks to astronauts from space activities and medical procedures
[NASA-TM-102164] 02 p0243 N91-11356
Implications of acceleration environments on scaling materials processing in space to production 03 p0429 N91-12404
Space station dynamics 03 p0433 N91-12423
Pathfinder autonomous rendezvous and docking project
[NASA-TM-102163] 04 p0463 N91-12590
Safety policy and requirements for payloads using the space transportation system
[NASA-TM-103437] 04 p0490 N91-12724
The Johnson Space Center management information systems: User's guide to JSCMIS
[NASA-CR-187258] 04 p0605 N91-13364
Assured crew return vehicle
[NASA-CASE-MSC-21536-1] 05 p0629 N91-13483
A personal history of the human exploration initiative with commentary on the pivotal role for life support research 05 p0693 N91-13855
Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] 05 p0693 N91-13860
Portable dynamic fundus instrument
[NASA-CASE-MSC-21675-1] 05 p0694 N91-13865
EMU helmet mounted display
[NASA-CASE-MSC-21460-1] 05 p0697 N91-13879
Programmable remapper with single flow architecture
[NASA-CASE-MSC-21481-1] 05 p0699 N91-13890
General method of pattern classification using the two-domain theory
[NASA-CASE-MSC-21737-1] 05 p0702 N91-13911
System and method for a general purpose architecture for intelligent computer-aided training
[NASA-CASE-MSC-21381-1] 05 p0707 N91-13944
A GNM mission and system design proposal 06 p0789 N91-14364
Adaptive data acquisition multiplexing system and method
[NASA-CASE-MSC-21170-1] 06 p0791 N91-14371
Smart tunnel: Docking mechanism
[NASA-CASE-MSC-21360-1] 06 p0791 N91-14374
Thermal switch disc for short circuit protection of batteries
[NASA-CASE-MSC-21428-1] 06 p0821 N91-14537
Vibration analyzer
[NASA-CASE-MSC-21408-1] 06 p0833 N91-14607
Quick connect coupling
[NASA-CASE-MSC-21539-1] 06 p0834 N91-14610
Bio-reactor chamber
[NASA-CASE-MSC-20929-1] 06 p0852 N91-14703
Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-3] 06 p0853 N91-14709
Valve for waste collection and storage
[NASA-CASE-MSC-21025-4] 06 p0856 N91-14723
Method for waste collection and storage
[NASA-CASE-MSC-21025-2] 06 p0856 N91-14724
Discrete event simulation tool for analysis of qualitative models of continuous processing systems
[NASA-CASE-MSC-21465-1] 06 p0859 N91-14741
Method of up-front load balancing for local memory parallel processors
[NASA-CASE-MSC-21348-1] 06 p0863 N91-14769
Emergency egress fixed rocket package
[NASA-CASE-MSC-21332-1] 07 p0938 N91-15142
Tank gauging apparatus and method
[NASA-CASE-MSC-21059-2] 07 p1004 N91-15511
Spacelab D-1 mission 07 p1078 N91-15933
Discourse for slide presentation: An overview of chemical detection systems 07 p1079 N91-15940
Whole body cleansing agent
[NASA-CASE-MSC-21589-1] 08 p1195 N91-16566
Next manned transportation system 09 p1278 N91-17022
Assured crew return capability Crew Emergency Return Vehicle (CERV) avionics 09 p1278 N91-17025
Systems Engineering and Integration (SE and I) 09 p1279 N91-17032
Operational efficiency: Automatic ascent flight design 09 p1279 N91-17033
Advanced training systems 09 p1279 N91-17034
Advanced avionics concepts: Autonomous spacecraft control 09 p1280 N91-17035
Advanced software integration: The case for ITV facilities 09 p1280 N91-17038
An assessment of advanced displays and controls technology applicable to future space transportation systems 09 p1281 N91-17040
In-flight crew training 09 p1281 N91-17044
Payload accommodations. Avionics payload support architecture 09 p1282 N91-17046
Payload deployment systems and advanced manipulators 09 p1282 N91-17048
SE and I system testability: The key to space system FDIR and verification testing 09 p1283 N91-17053
Contribution of zonal harmonics to gravitational moment 09 p1292 N91-17097
Propulsion research on the hybrid plume rocket
[NASA-TM-103372] 09 p1301 N91-17140
High velocity gas particulate sampling system
[NASA-CASE-MSC-21729-1] 09 p1336 N91-17340
A culture vessel with large perfusion area to volume ratio
[NASA-CASE-MSC-21662-1] 09 p1370 N91-17531
A comparison of ground-based and space flight data: Atomic oxygen reactions with boron nitride and silicon nitride
[NASA-TM-103385] 10 p1555 N91-18550
Microbiology on Space Station Freedom
[NASA-CP-3108] 10 p1559 N91-18573
The RICIS concept 10 p1567 N91-18617
Construction and testing of ceramic fabric heat pipe with water working fluid
[NASA-TM-103332] 10 p1595 N91-18799
Behavior of surface and corner cracks subjected to tensile and bending loads in Ti-6Al-4V alloy
[NASA-TM-102165] 11 p1683 N91-19273
An evaluation of the fatigue crack growth and fracture toughness properties of beryllium-copper alloy CDA172
[NASA-TM-102166] 11 p1683 N91-19274
Postural changes following sensory reinterpretation as an analog to spaceflight 11 p1748 N91-19610
Standardization of motion sickness induced by left-right and up-down reversing prisms 11 p1748 N91-19611
Predictions of cell damage rates for Lifesat missions
[NASA-TM-102170] 11 p1763 N91-19699
Mission operations directorate: Facility and support systems division 11 p1774 N91-19726
The 1989 JSC bibliography of scientific and technical papers
[NASA-TM-102173] 11 p1813 N91-19959
Relative chronology of Martian volcanoes 11 p1821 N91-20007
Experimental reduction of simulated lunar glass by carbon and hydrogen and implications for lunar base oxygen production 11 p1822 N91-20009
A new method for determining which stars are near a star sensor field-of-view
[NASA-TM-102180] 12 p1856 N91-20201
Fourth Annual Workshop on Space Operations Applications and Research (SOAR 90)
[NASA-CP-3103-VOL-1] 12 p1934 N91-20641
Resolved rate and torque control schemes for large scale space based kinematically redundant manipulators 12 p1934 N91-20642
Autonomous proximity operations using machine vision for trajectory control and pose estimation 12 p1937 N91-20656
Issues associated with establishing control zones for international space operations 12 p1939 N91-20668
Advanced automation in space shuttle mission control 12 p1940 N91-20670
Advanced CLIPS capabilities 12 p1945 N91-20699
The advanced software development workstation project 12 p1945 N91-20701
Fourth Annual Workshop on Space Operations Applications and Research (SOAR 90)
[NASA-CP-3103-VOL-2] 12 p1945 N91-20702
Development of biomechanical models for human factors evaluations 12 p1947 N91-20713
Microgravity cursor control device evaluation for Space Station Freedom workstations 12 p1948 N91-20717
Analysis of the individual risk of altitude decompression sickness under repeated exposures 12 p1949 N91-20722
The importance of momentum transfer in collision-induced breakups in low Earth orbit 12 p1950 N91-20730
Proceedings of the Second Joint Technology Workshop on Neural Networks and Fuzzy Logic, volume 2
[NASA-CP-10061-VOL-2] 12 p1965 N91-20811
A space-time neural network 12 p1965 N91-20814
Fuzzy logic in autonomous orbital operations 12 p1965 N91-20815
Fuzzy geometry, entropy, and image information 12 p1966 N91-20819
High-pressure promoted combustion chamber
[NASA-CASE-MSC-21470-1] 13 p2029 N91-21157
Parametric entry corridors for lunar/Mars aerocapture missions
[NASA-TM-102178] 13 p2030 N91-21168
Overcenter collet space station truss fastener
[NASA-CASE-MSC-21504-1] 13 p2040 N91-21221
Orbital debris sweeper and method
[NASA-CASE-MSC-21534-1] 13 p2040 N91-21222
Atomic oxygen degradation of Intelsat 4-type solar array interconnects: Laboratory investigations
[NASA-TM-102175] 13 p2051 N91-21286
Volumetric measurement of tank volume
[NASA-CASE-MSC-21500-1] 13 p2088 N91-21493
Flexible diaphragm-extreme temperature usage
[NASA-CASE-MSC-20797-2] 13 p2089 N91-21494
Tank gauging apparatus and method
[NASA-CASE-MSC-21059-3] 13 p2089 N91-21495
Method and apparatus for positioning a robotic end effector
[NASA-CASE-MSC-21476-1] 13 p2096 N91-21542
Alignment positioning mechanism
[NASA-CASE-MSC-21502-1] 13 p2097 N91-21543
Report of the panel on volcanology, section 4 13 p2106 N91-21593
Rotating bio-reactor cell culture apparatus
[NASA-CASE-MSC-21293-1] 13 p2126 N91-21700
Spiral vane bioreactor
[NASA-CASE-MSC-21361-1] 13 p2126 N91-21701
Proceedings of the Second Joint Technology Workshop on Neural Networks and Fuzzy Logic, volume 1
[NASA-CP-10061-VOL-1] 13 p2140 N91-21778
Experiment Document Information System (EDIS) evolution 13 p2165 N91-21941
Life sciences on-line: A study in hypermedia application 13 p2165 N91-21943
GERM as a tool for space station documentation 13 p2166 N91-21950
A knowledge base browser using hypermedia 13 p2167 N91-21956
Multi-threaded procedural reasoning in real-time health monitoring of manned spacecraft systems 14 p2216 N91-22248
Distributed voice control for the large screen display in the mission control center 14 p2220 N91-22273
Generic message management 14 p2220 N91-22274
Representing functions/procedures and processes/structures for analysis of effects of failures on functions and operations 14 p2314 N91-22780

Metamorphoses of ONAV console operations: From prototype to real time application
14 p2316 N91-22794
Martian impact craters: Continuing analysis of lobate ejecta sinuosity 14 p2348 N91-22986
Volatile compounds in shergottite and nakhlite meteorites 14 p2349 N91-22993
Martian crater counts on Elysium Mons
14 p2350 N91-22996
Iron mineralogy of a Hawaiian palagonitic soil with Mars-like spectral and magnetic properties
14 p2350 N91-22997
Pre-terrestrial origin of rust in the Nakhla meteorite
14 p2352 N91-23007
JSC director's discretionary fund program
[NASA-TM-102177] 14 p2353 N91-23012
Lighting constraints on lunar surface operations
[NASA-TM-4271] 14 p2353 N91-23014
Simulation and analyses of the aeroassist flight experiment attitude update method
[NASA-TM-102174] 15 p2387 N91-23210
Static feed water electrolysis subsystem development
[NASA-CASE-MSC-21577-1-SB]
15 p2397 N91-23271
Two dimensional vernier
[NASA-CASE-MSC-21700-1] 15 p2430 N91-23462
Electromagnetic attachment mechanism
[NASA-CASE-MSC-21463-1] 15 p2435 N91-23490
Metallic threaded composite fastener
[NASA-CASE-MSC-21580-1] 15 p2435 N91-23491
Energy dissipator
[NASA-CASE-MSC-21555-1] 15 p2435 N91-23492
Preloaded latching device
[NASA-CASE-MSC-21730-1] 15 p2435 N91-23493
Programmable remapper for image processing
[NASA-CASE-MSC-21350-1] 15 p2480 N91-23724
Intelligent computer-aided training and tutoring
15 p2535 N91-24042
CLIPS: A tool for the development and delivery of expert systems 15 p2535 N91-24043
Software reengineering 15 p2536 N91-24047
Applications of fuzzy logic to control and decision making 15 p2536 N91-24049
Genetic algorithms 15 p2536 N91-24050
Load limiting, energy absorbing, lightweight debris catcher
[NASA-CASE-MSC-21562-1] 16 p2564 N91-24216
Uprated OMS engine status-sea level testing results
16 p2572 N91-24256
Purification system
[NASA-CASE-MSC-21584-1] 16 p2592 N91-24362
Selection of wires and circuit protective devices for STS Orbiter vehicle payload electrical circuits
[NASA-TM-102179] 16 p2619 N91-24501
Saturation point model for the formation of metal nitrate in nitrogen tetroxide oxidizer
[NASA-TP-3107] 16 p2626 N91-24542
Method and apparatus for releasably connecting first and second objects
[NASA-CASE-MSC-21517-1] 16 p2633 N91-24577
Network interface unit design options performance analysis
[NASA-TM-104735] 16 p2672 N91-24792
Meteoroid and orbital debris record of the Long Duration Exposure Facility 16 p2711 N91-25003
Preliminary results from the chemistry of micrometeoroid experiment (AO 187-1) 16 p2711 N91-25005
Deriving the velocity distribution of meteoroids from the measured meteoroid impact directionality on the various LDEF surfaces 16 p2712 N91-25012
M and D SIG progress report: Laboratory simulations of LDEF impact features 16 p2713 N91-25013
Preliminary micrometeoroid and debris effects on LDEF thermal control surfaces 16 p2713 N91-25014
Dual diaphragm tank with telltale drain
[NASA-CASE-MSC-21703-1] 17 p2765 N91-25305
Method and apparatus for sensor fusion
[NASA-CASE-MSC-21334-1] 17 p2767 N91-25317
Pressure vessel flex joint
[NASA-CASE-MSC-21748-1] 17 p2785 N91-25415
Quality improvement prototype: Johnson Space Center, National Aeronautics and Space Administration
[NASA-TM-104953] 17 p2786 N91-25416
The Cl-36 in the stratosphere
17 p2794 N91-25459
Profiles of alpha 13 C and alpha D in methane from the lower stratosphere 17 p2799 N91-25487
Regenerable biocide delivery unit
[NASA-CASE-MSC-21763-1] 17 p2817 N91-25570
Spacelab life sciences 1: Reprints of background life sciences publications
[NASA-TM-104962] 17 p2818 N91-25571
Effects of weightlessness on human fluid and electrolyte physiology 17 p2819 N91-25578
A systems approach to the physiology of weightlessness 17 p2820 N91-25584
Optical joint correlator for real-time image tracking and retinal surgery
[NASA-CASE-MSC-21509-1] 17 p2864 N91-25840
Characterizing water/rock interaction in simulated comet nuclei via calorimetry: Tool for in-situ science, laboratory analysis, and sample preservation
17 p2891 N91-25983
Dust particles from comets and asteroids collected at the Earth's orbit: Parent-daughter relationships
17 p2894 N91-25997
Near-infrared reflectance spectra-applications to problems in asteroid-meteorite relationships
17 p2895 N91-26002
Martian impact crater ejecta morphologies and their potential as indicators of subsurface volatile distribution
17 p2910 N91-26066
Method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-3] 18 p3034 N91-26747
Chemistry and mineralogy of Martian dust: An explorer's primer 18 p3086 N91-27063
Engineering knowledge requirements for sand and dust on Mars 18 p3087 N91-27067
Variable orifice flow regulator
[NASA-CASE-MSC-21549-1] 19 p3166 N91-27504
Thermally activated retainer means
[NASA-CASE-MSC-21793-1] 20 p3289 N91-28186
Shuttle derived manned transportation systems
20 p3292 N91-28204
Heavy-lift launch vehicle propulsion considerations
20 p3297 N91-28236
Technology transfer methodology
20 p3298 N91-28239
Manufacturing processes 20 p3298 N91-28244
An accelerated training method for back propagation networks
[NASA-CASE-MSC-21625-1] 20 p3381 N91-28730
Horizontally rotated cell culture system with a coaxial tubular oxygenator
[NASA-CASE-MSC-21294-1] 22 p3713 N91-30667
Doppler indices of gas phase formation in hypobaric environments: Time-intensity analysis
[NASA-TM-102176] 22 p3718 N91-30692
Making intelligent systems team players: Case studies and design issues. Volume 1: Human-computer interaction design
[NASA-TM-104738-VOL-1] 22 p3722 N91-30713
TPS design for aerobraking at Earth and Mars
[NASA-TM-104739] 22 p3762 N91-30970
Analyses of risks associated with radiation exposure from past major solar particle events
[NASA-TP-3137] 22 p3776 N91-31061
Research and technology
[NASA-TM-102172] 22 p3778 N91-31076
Power saw
[NASA-CASE-MSC-21469-1] 23 p3881 N91-31655
Biofilm monitoring coupon system and method of use
[NASA-CASE-MSC-21585-1] 23 p3897 N91-31755
Development of the CELSS emulator at NASA. Johnson Space Center 23 p3904 N91-31793
Conceptual design of a closed loop nutrient solution delivery system for CELSS implementation in a micro-gravity environment 23 p3905 N91-31798
Solid-support substrates for plant growth at a lunar base 23 p3905 N91-31800
Method and apparatus for bio-regenerative life support system
[NASA-CASE-MSC-21629-1] 23 p3906 N91-31803
Two fault tolerant toggle-hook release
[NASA-CASE-MSC-21671-1] 24 p4026 N91-32498
Nozzle fabrication technique
[NASA-CASE-MSC-21299-2] 24 p4028 N91-32508
Bidirectional drive and brake mechanism
[NASA-CASE-MSC-21540-1] 24 p4029 N91-32514
Medical evaluations on the KC-135 1990 flight report summary
[NASA-TM-104740] 24 p4077 N91-32776
Operation and performance of the Ciba-Corning 512 coagulation monitor during parabolic flight
24 p4078 N91-32780
Application and use of spinal immobilization devices in zero-gravity flight 24 p4078 N91-32781
ATLS: Catheter and tube placement
24 p4078 N91-32782
Evaluation of aerosolized medications during parabolic flight maneuvers 24 p4078 N91-32783
ATLS-stowage and deployment testing of medical supplies and pharmaceuticals 24 p4079 N91-32785
Venipuncture and intravenous infusion access during zero-gravity flight 24 p4079 N91-32788
Shuttle Orbiter medical system equipment/supplies evaluation 24 p4080 N91-32793
Three dimensional moire pattern alignment
[NASA-CASE-MSC-21416-1] 24 p4102 N91-32922
Method for anisotropic etching in the manufacture of semiconductor devices
[NASA-CASE-MSC-21631-1] 24 p4106 N91-32947

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. LANGLEY RESEARCH CENTER, HAMPTON, VA.

Aeroelastic analysis of wings using the Euler equations with a deforming mesh
[NASA-TM-102733] 01 p0004 N91-10020
NASA transport systems research vehicle B-737 data link system and display formats
[NASA-TM-102717] 01 p0010 N91-10058
Determination of the pressure drag of airfoils by integration of surface pressures
[NASA-TM-102722] 01 p0013 N91-10078
Filament wound metal lined propellant tanks for future Earth-to-orbit transports
[NASA-TM-100594] 01 p0018 N91-10106
A macro-micromechanics analysis of a notched metal matrix composite
[NASA-TM-102728] 01 p0022 N91-10128
Evaluation of two bisimide additives in LARC-TPI adhesive
[NASA-TM-102742] 01 p0031 N91-10182
An analysis of the effects of secondary reflections on dual-frequency reflectometers
[NASA-TM-102709] 01 p0037 N91-10221
Measured and predicted shock shapes for AFE configuration at Mach 6 in air and in CF4
[NASA-TM-100660] 01 p0042 N91-10245
Research in Structures, Structural Dynamics and Materials, 1990
[NASA-CP-3064] 01 p0050 N91-10301
Direct use of linear time-domain aerodynamics in aeroservoelastic analysis: Aerodynamic model
01 p0053 N91-10316
Computation of maximum gust loads in nonlinear aircraft using a new method based on the matched filter approach and numerical optimization 01 p0053 N91-10317
Static and dynamic aeroelastic characterization of an aerodynamically heated generic hypersonic aircraft configuration 01 p0054 N91-10320
FIRE Science Results 1988
[NASA-CP-3083] 01 p0074 N91-10448
A synopsis of Langley Research Center's lidar effort for the 1986 FIRE IFO 01 p0076 N91-10457
ERBE and AVHRR Cirrus cloud fire study
01 p0079 N91-10472
Cloud parameters from GOES visible and infrared radiances during the FIRE Cirrus IFO, October 1986
01 p0079 N91-10473
AVHRR and VISSR satellite instrument calibration results for both Cirrus and marine stratocumulus IFO periods 01 p0080 N91-10475
Cirrus cloud properties derived from coincident GOES and lidar data during the 1986 FIRE Cirrus Intensive Field Observations (IFO) 01 p0080 N91-10476
A four-lidar view of Cirrus from the FIRE IFO: 27-28 October 1986 01 p0080 N91-10478
FIRE Cirrus on October 28, 1986: LANDSAT; ER-2; King Air; theory 01 p0081 N91-10480
Surface radiation observations for October 27-28, 1986 during the Wisconsin FIRE/SRB experiment
01 p0081 N91-10481
The new FIRE cloud lidar at Langley Research Center
01 p0081 N91-10482
Extended time observations of California marine stratocumulus clouds from GOES for July 1983-1987
01 p0082 N91-10488
Cloud parameters derived from GOES during the 1987 marine stratocumulus FIRE Intensive Field Observation (IFO) period 01 p0085 N91-10505
Horizontal variability of the marine boundary layer structure upwind of San Nicolas Island during FIRE, 1987 01 p0088 N91-10519
Aircraft/island/ship/satellite intercomparison: Preliminary results from July 16, 1987
01 p0092 N91-10534
Helicopter far-field acoustic levels as a function of reduced main-rotor advancing blade-tip Mach number
[NASA-TM-102684] 01 p0118 N91-10699
The development of interior noise and vibration criteria
[NASA-TM-102736] 01 p0119 N91-10702
Computational fluid dynamics research and applications at NASA Langley Research Center
02 p0143 N91-10841
Direct simulation of compressible turbulence
02 p0144 N91-10847
Non linear evolution of a second mode wave in supersonic boundary layers 02 p0145 N91-10848
Recent advances in Runge-Kutta schemes for solving 3-D Navier-Stokes equations 02 p0145 N91-10851
Application of unstructured grid methods to steady and unsteady aerodynamic problems
02 p0146 N91-10856

Grid generation and inviscid flow computation about aircraft geometries 02 p0146 N91-10857
Navier-Stokes solutions about the F/A-18 forebody-LEX configuration 02 p0147 N91-10860
Navier-Stokes solutions for flows related to store separation 02 p0147 N91-10861
A comparative study of Navier-Stokes codes for high-speed flows 02 p0149 N91-10869
Modeling of high speed chemically reacting flow-fields 02 p0149 N91-10870
Application of CFD codes for the simulation of scramjet combustor flowfields 02 p0150 N91-10873
Hypersonic CFD applications at NASA Langley using CFL3D and CFL3DE 02 p0150 N91-10874
The use of a Navier-Stokes code in the wing design process 02 p0153 N91-10889
Applications of a transonic wing design method 02 p0153 N91-10890
An embedded grid formulation applied to delta wings 02 p0153 N91-10891
Three dimensional unstructured grids for the solution of the Euler equations 02 p0154 N91-10893
Conservation equations and physical models for hypersonic air flows over the aeroassist flight experiment vehicle 02 p0154 N91-10897
Direct simulation of rarefied hypersonic flows 02 p0155 N91-10901
Prediction of effects of wing contour modifications on low-speed maximum lift and transonic performance for the EA-6B aircraft
[NASA-TP-3046] 02 p0155 N91-10902
Conical Euler simulation and active suppression of delta wing rocking motion
[NASA-TM-102683] 02 p0156 N91-10904
Implicit flux-split Euler schemes for unsteady aerodynamic analysis involving unstructured dynamic meshes
[NASA-TM-102732] 02 p0158 N91-10918
Temporal-adaptive Euler/Navier-Stokes algorithm for unsteady aerodynamic analysis of airfoils using unstructured dynamic meshes
[NASA-TM-102734] 02 p0158 N91-10919
Aviation Safety/Automation Program Conference
[NASA-CP-3090] 02 p0161 N91-10936
Aviation safety/automation program overview 02 p0162 N91-10941
Overview of error-tolerant cockpit research 02 p0164 N91-10949
Fault monitoring 02 p0164 N91-10950
Fault diagnosis 02 p0164 N91-10951
Inflight replanning for diversions 02 p0165 N91-10955
Time-based aircraft/ATC operations study 02 p0165 N91-10959
Information management 02 p0166 N91-10961
A flight test facility design for examining digital information transfer 02 p0166 N91-10962
Guidance concepts for time-based flight operations 02 p0174 N91-10993
The 4-D descent trajectory generation techniques under realistic operating conditions 02 p0175 N91-10994
A description and evaluation of TIMER: A time-based terminal flow-control concept 02 p0175 N91-10996
Thermal-distortion analysis of a spacecraft box truss in geostationary orbit
[NASA-TP-3054] 02 p0186 N91-11041
Materials Division research and technology accomplishments for FY 89 and plans for FY 90
[NASA-TM-102649] 02 p0192 N91-11072
Studies of molecular properties of polymeric materials
[NASA-TM-101854] 02 p0200 N91-11118
An AGARD supplemental test programme on the behaviour of short cracks under constant amplitude and aircraft spectrum loading 02 p0222 N91-11241
The growth of short cracks in 4340 steel and aluminum-lithium 2090 02 p0223 N91-11247
High-performance equation solvers and their impact on finite element analysis
[NASA-TM-102735] 02 p0224 N91-11252
Data base architecture for instrument characteristics critical to spacecraft conceptual design
[NASA-TM-4213] 02 p0251 N91-11391
Development of unstructured grid methods for steady and unsteady aerodynamic analysis
[NASA-TM-102730] 03 p0300 N91-11673
Three-dimensional flux-split Euler schemes involving unstructured dynamic meshes
[NASA-TM-102731] 03 p0300 N91-11674
Airborne Wind Shear Detection and Warning Systems. Second Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10050-PT-1] 03 p0302 N91-11682
Heavy rain effects on airplane performance 03 p0302 N91-11686
Airborne Doppler radar detection of low altitude windshear 03 p0303 N91-11689
Investigation of airborne lidar for avoidance of windshear hazards 03 p0304 N91-11694
Airborne Wind Shear Detection and Warning Systems. Second Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10050-PT-2] 03 p0304 N91-11695
Flight guidance research for recovery from microburst wind shear 03 p0304 N91-11696
The mechanical stability of polyimide films at high pH
[NASA-TM-102726] 03 p0343 N91-11920
Laser transit anemometer measurements of a JANNAF nozzle base velocity flow field
[NASA-TM-102725] 03 p0368 N91-12063
Thermal-structural finite element analysis using linear flux formulation
[NASA-TM-102746] 03 p0379 N91-12115
ZIP3D: An elastic and elastic-plastic finite-element analysis program for cracked bodies
[NASA-TM-102753] 03 p0379 N91-12116
Analog-digital simulation of transient-induced logic errors and upset susceptibility of an advanced control system
[NASA-TM-4241] 03 p0408 N91-12279
Wake geometry effects on rotor blade-vortex interaction noise directivity
[NASA-TP-3015] 03 p0414 N91-12315
Long-term solar irradiance variability: 1984-1989 observations 03 p0447 N91-12497
An evaluation of automatic control system concepts for general aviation airplanes 04 p0460 N91-12570
An airfoil for general aviation applications 04 p0460 N91-12572
The Integrated Airframe/Propulsion Control System Architecture program (IAPSA) 04 p0483 N91-12689
Flight test results of failure detection and isolation algorithms for a redundant strapdown inertial measurement unit 04 p0486 N91-12701
Hypersonic vehicle simulation model: Winged-cone configuration
[NASA-TM-102610] 04 p0487 N91-12705
A user's guide to the Langley 16-foot transonic tunnel complex. Revision 1
[NASA-TM-102750] 04 p0488 N91-12712
Design and fabrication of instrumented composite airfoils for a cryogenic wind tunnel model
[NASA-TM-102740] 04 p0536 N91-12971
Close-range photogrammetric measurement of static deflections for an aeroelastic supercritical wing
[NASA-TM-4194] 05 p0613 N91-13400
Navier-Stokes and Euler solutions for lee-side flows over supersonic delta wings. A correlation with experiment
[NASA-TP-3035] 05 p0613 N91-13401
Effect of location of aft-mounted nacelles on the longitudinal aerodynamic characteristics of a high-wing transport airplane
[NASA-TP-3047] 05 p0613 N91-13402
Aerodynamic effect of strakes on two-dimensional tail boom models of the OH-58A and the OH-58D helicopters
[NASA-TM-4248] 05 p0614 N91-13406
Some observations on the Houbolt-Rainey and peak-hold methods of flutter onset prediction
[NASA-TM-102745] 05 p0615 N91-13411
Some buffet response characteristics of a twin-vertical-tail configuration
[NASA-TM-102749] 05 p0615 N91-13412
Instability of a supersonic shock free elliptic jet
[NASA-TM-103428] 05 p0615 N91-13413
Concept development of a Mach 4 high-speed civil transport
[NASA-TM-4223] 05 p0619 N91-13432
A semiempirical method for obtaining fuselage normal areas from fuselage Mach sliced areas
[NASA-TM-4228] 05 p0619 N91-13433
F-106B airplane active control landing gear drop test performance
[NASA-TM-102741] 05 p0621 N91-13445
Calibration of the 13- by 13-inch adaptive wall test section for the Langley 0.3-meter transonic cryogenic tunnel
[NASA-TP-3049] 05 p0625 N91-13461
Wind-tunnel survey of an oscillating flow field for application to model helicopter rotor testing
[NASA-TM-4224] 05 p0625 N91-13462
Simulation of pressure and temperature responses for the 20 Inch Supersonic Wind Tunnel
[NASA-TM-102647] 05 p0626 N91-13467
Analytical and photogrammetric characterization of a planar tetrahedral truss
[NASA-TM-4231] 05 p0627 N91-13473
Integrated launch and emergency vehicle system
[NASA-CASE-LAR-13780-1] 05 p0628 N91-13481
An investigation of microstructural characteristics of contact-lens polymers
[NASA-TP-3034] 05 p0630 N91-13492
Oxidation characteristics of Ti-25Al-10Nb-3V-1Mo intermetallic alloy
[NASA-TP-3044] 05 p0635 N91-13522
Method and apparatus for characterizing residual stress in ferromagnetic materials
[NASA-CASE-LAR-14239-1] 05 p0636 N91-13527
Polymer/riblet combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] 05 p0641 N91-13558
Novel polyimide molding powder, coating, adhesive, and matrix resin
[NASA-CASE-LAR-14163-1] 05 p0642 N91-13559
Preparation of polyimides from bis(N-isoprenyl)s of aryl diamides
[NASA-CASE-LAR-14330-1-CU] 05 p0642 N91-13560
Methyl substituted polyimides containing carbonyl and ether connecting groups
[NASA-CASE-LAR-14351-1] 05 p0642 N91-13561
Tissue simulating gel for medical research
[NASA-CASE-LAR-14036-1] 05 p0642 N91-13562
Modified Hilbert transform pair and Kramers-Kronig relations for complex permittivities
[NASA-TM-102682] 05 p0646 N91-13585
Water cooled static pressure probe
[NASA-CASE-LAR-14340-1-CU] 05 p0663 N91-13684
Passive fetal monitoring sensor
[NASA-CASE-LAR-14088-1] 05 p0663 N91-13686
Real-time dynamic holographic image storage device
[NASA-CASE-LAR-13989-1] 05 p0664 N91-13694
Free vibrations of thin-walled semicircular graphite-epoxy composite frames
[NASA-TP-3010] 05 p0674 N91-13750
Failure behavior of generic metallic and composite aircraft structural components under crash loads
[NASA-RP-1239] 05 p0675 N91-13751
A review of nonlinear constitutive models for metals
[NASA-TM-102727] 05 p0677 N91-13761
A discrepancy within primate spatial vision and its bearing on the definition of edge detection processes in machine vision
[NASA-TM-102739] 05 p0707 N91-13941
Inclusive inelastic scattering of heavy ions and nuclear correlations
[NASA-TP-3026] 05 p0714 N91-13985
Theoretical temperature-dependent branching ratios and laser thresholds of the (5)I7 yields (5)I8 levels of Ho3(+) in ten garnets
[NASA-TM-103429] 05 p0726 N91-14053
Technical communications in aerospace: An analysis of the practices reported by US and European aerospace engineers and scientists
[NASA-TM-103441] 05 p0730 N91-14079
Single launch lunar habitat derived from an NSTS external tank
[NASA-TM-4212] 05 p0765 N91-14251
Space radiation dose analysis for solar flare of August 1989
[NASA-TM-4229] 05 p0768 N91-14265
Flow visualization studies of blowing from the tip of a swept wing
[NASA-TM-4217] 06 p0771 N91-14274
Internal performance of a hybrid axisymmetric/nonaxisymmetric convergent-divergent nozzle
[NASA-TM-4230] 06 p0771 N91-14275
Asymmetric supersonic flow around cones with noncircular sections 06 p0774 N91-14292
Parametric study of afterbody/nozzle drag on twin two-dimensional convergent-divergent nozzles at Mach numbers from 0.60 to 1.20
[NASA-TP-2640] 06 p0778 N91-14316
A method for the design of transonic flexible wings
[NASA-TP-3045] 06 p0780 N91-14323
Unsteady airloads due to separated flow on airfoils and wings 06 p0783 N91-14340
Wingtip vortex turbine
[NASA-CASE-LAR-14116-1] 06 p0784 N91-14345
Electro-optical spin measurement system
[NASA-CASE-LAR-13629-1] 06 p0787 N91-14356
Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] 06 p0799 N91-14412
Bis (4-(3,4-dimethylene-pyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-2-CU] 06 p0801 N91-14418
N-(3-ethynylphenyl)maleimide
[NASA-CASE-LAR-14188-2] 06 p0801 N91-14419
Delamination test apparatus and method
[NASA-CASE-LAR-13985-1] 06 p0803 N91-14430
Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] 06 p0826 N91-14562

Advanced technology development for image gathering, coding, and processing 06 p0829 N91-14579
Thermal compensating mount
[NASA-CASE-LAR-14207-1] 06 p0831 N91-14590
Mechanical end joint system for connecting structural column elements
[NASA-CASE-LAR-14465-1] 06 p0835 N91-14614
Spiral lead platen robotic end effector
[NASA-CASE-LAR-13855-1] 06 p0835 N91-14615
Axisymmetric shell analysis of the space shuttle solid rocket booster field joint
[NASA-TP-3033] 06 p0835 N91-14616
A parametric shell analysis of the shuttle 51-L SRB AFT field joint
[NASA-TM-102748] 06 p0838 N91-14629
Advanced technology needs for a global change science program: Perspective of the Langley Research Center
[NASA-TM-4196] 06 p0839 N91-14634
Limb-darkening functions as derived from along-track operation of the ERBE scanning radiometers for August 1985
[NASA-RP-1243] 06 p0848 N91-14683
The NASA/DOD aerospace knowledge diffusion research project: A research agenda
[NASA-TM-103439] 06 p0885 N91-14892
Static internal performance of an axisymmetric nozzle with multiaxis thrust-vectoring capability
[NASA-TM-4237] 07 p0935 N91-15125
Report of the workshop on Aviation Safety/Automation Program
[NASA-CP-10054] 07 p0938 N91-15141
Effect of shaping sensor data on pilot response
[NASA-TM-102737] 07 p0943 N91-15173
Utilization of the Spacehab module as a microgravity carrier
[NASA-TM-102703] 07 p0947 N91-15191
Matrix fatigue crack development in a notched continuous fiber SCS-6/Ti-15-3 composite
[NASA-TM-102751] 07 p0969 N91-15319
Effects of cure temperature, electron radiation, and thermal cycling on P75/930 composites
[NASA-TM-102712] 07 p0971 N91-15332
Continuous fiber thermoplastic prepreg
[NASA-CASE-LAR-14459-1] 07 p0972 N91-15334
Response of composite materials to low velocity impact
[NASA-TM-102755] 07 p0972 N91-15337
Second coefficient of viscosity in air
[NASA-CR-187783] 07 p0977 N91-15364
Processable polyimide adhesive and matrix composite resin
[NASA-CASE-LAR-14101-1] 07 p0984 N91-15403
Support system for a 1750A VHSIC multiprocessor
[NASA-TM-102754] 07 p1000 N91-15490
Laser transit anemometer measurements on a slender cone in the Langley unitary plan wind tunnel
[NASA-TM-102775] 07 p1005 N91-15521
Clevis joint for deployable space structures
[NASA-CASE-LAR-13898-1] 07 p1010 N91-15544
A comparison of fatigue life prediction methodologies for rotorcraft
[NASA-TM-102759] 07 p1020 N91-15604
Probabilistic fatigue methodology for six nines reliability
[NASA-TM-102757] 07 p1020 N91-15605
Subsystems component definitions summary program
[NASA-TM-4247] 07 p1042 N91-15714
Fiber optic microphone
[NASA-CASE-LAR-14402-1-CU] 07 p1068 N91-15874
Numerical simulation of solar coronal magnetic fields
[NASA-TM-103402] 07 p1086 N91-15971
The NASA controls-structures interaction technology program
[NASA-TM-102752] 08 p1103 N91-16057
Determination of shuttle orbiter center of gravity from flight measurements
[NASA-TM-102627] 08 p1103 N91-16058
Finite element thermo-viscoplastic analysis of aerospace structures
[NASA-TM-102761] 08 p1164 N91-16407
Wind turbine acoustics
[NASA-TP-3057] 08 p1213 N91-16679
Fourth International Symposium on Long-Range Sound Propagation
[NASA-CP-3101] 08 p1214 N91-16682
Long-range vertical propagation 08 p1216 N91-16693
Lamina transducer coupler and method of making
[NASA-CASE-LAR-14361-1] 08 p1218 N91-16707
Space Station Freedom resource allocation accommodation of technology payload requirements
[NASA-TM-102766] 08 p1239 N91-16832
Cellular track model of biological damage to mammalian cell cultures from galactic cosmic rays
[NASA-TP-3055] 08 p1268 N91-16981
A parametric experimental investigation of a scramjet nozzle at Mach 6 with Freon and argon or air used for exhaust simulation
[NASA-TP-3048] 09 p1271 N91-16990
Multi-colored layers for visualizing aerodynamic flow effects
[NASA-CASE-LAR-13742-1] 09 p1273 N91-16999
Static footprint local forces, areas, and aspect ratios for three type 7 aircraft tires
[NASA-TP-2983] 09 p1276 N91-17014
An assessment of advanced displays and controls technology applicable to future space transportation systems 09 p1281 N91-17040
Advanced sensors and instrumentation 09 p1281 N91-17041
Systems engineering and integration: Cost estimation and benefits analysis 09 p1283 N91-17052
Flight elements subpanel 09 p1283 N91-17056
Aerobraking for capture into Martian orbit 09 p1292 N91-17102
On-orbit structural dynamic performance of a 15-meter microwave radiometer antenna
[NASA-TP-3041] 09 p1296 N91-17114
Effects of H2O, CO2, and N2 air contaminants on critical airside strain rates for extinction of hydrogen-air counterflow diffusion flames 09 p1298 N91-17126
Relative efficiency and accuracy of two Navier-Stokes codes for simulating attached transonic flow over wings
[NASA-TP-3061] 09 p1331 N91-17310
Space Station Freedom: Dynamic instrumentation for a large space structure
[NASA-TM-102711] 09 p1353 N91-17432
NASA Formal Methods Workshop, 1990
[NASA-CP-10052] 09 p1376 N91-17559
Digital avionics: A cornerstone of aviation 09 p1376 N91-17560
Design for validation, based on formal methods 09 p1376 N91-17564
High level design proof of a reliable computing platform 09 p1377 N91-17567
A HOL theory for voting 09 p1378 N91-17575
GCS programmer's manual
[NASA-TM-102721] 09 p1384 N91-17612
NASA/DOD aerospace knowledge diffusion research project: Report to phase 1 respondents
[NASA-TM-102772] 09 p1423 N91-17835
Preliminary calculation of solar cosmic ray dose to the female breast in space mission
[NASA-TM-4235] 09 p1449 N91-17997
Preliminary analysis of a radiobiological experiment for LifeSat
[NASA-TM-4236] 09 p1450 N91-17998
Radiation protection for human missions to the Moon and Mars
[NASA-TP-3079] 09 p1450 N91-17999
Challenges in aeronautical research for the 1990's 10 p1453 N91-18005
Future regional/commuter challenges 10 p1453 N91-18006
Doppler global velocimetry 10 p1453 N91-18007
Detailed flow-field measurements over a 75 deg swept delta wing
[NASA-TP-2997] 10 p1456 N91-18030
Physically weighted approximations of unsteady aerodynamic forces using the minimum-state method
[NASA-TP-3025] 10 p1456 N91-18031
An explicit upwind algorithm for solving the parabolized Navier-Stokes equations
[NASA-TP-3050] 10 p1457 N91-18032
Low-speed wind-tunnel test of an unpowered high-speed stoppable rotor concept in fixed-wing mode
[NASA-TM-4250] 10 p1457 N91-18033
Application of advanced technologies to future military transports 10 p1466 N91-18083
Airborne four-dimensional flight management in a time-based air traffic control environment
[NASA-TM-4249] 10 p1468 N91-18096
A methodology for designing aircraft to low sonic boom constraints
[NASA-TM-4246] 10 p1470 N91-18105
Candidate control design metrics for an agile fighter
[NASA-TM-4238] 10 p1473 N91-18115
Mechanical properties of the fiberglass prepreg system used for the National Transonic Facility replacement blade set
[NASA-TM-102756] 10 p1474 N91-18120
Parametric trade studies on a Shuttle 2 launch system architecture
[NASA-TP-3059] 10 p1484 N91-18180
The 5th Annual NASA Spacecraft Control Laboratory Experiment (SCOLE) Workshop, part 1
[NASA-CP-10057-PT-1] 10 p1486 N91-18186
Ultrasonic correlator versus signal averager as a signal to noise enhancement instrument 10 p1488 N91-18197
Compression behavior of graphite-thermoplastic and graphite-epoxy panels with circular holes or impact damage
[NASA-TP-3071] 10 p1492 N91-18215
Investigation of microstructural changes in polyetherether-ketone films at cryogenic temperatures by positron lifetime spectroscopy
[NASA-TP-3064] 10 p1493 N91-18216
Fracture mechanics analysis for various fiber/matrix interface loadings
[NASA-TM-104049] 10 p1494 N91-18223
Abnormal fault-recovery characteristics of the fault-tolerant multiprocessor uncovered using a new fault-injection methodology
[NASA-TM-4218] 10 p1516 N91-18347
An upwind-biased space marching algorithm for supersonic viscous flow
[NASA-TP-3068] 10 p1522 N91-18381
The Langley Research Center CSI phase-0 evolutionary model testbed-design and experimental results
[NASA-TM-102762] 10 p1536 N91-18455
A velocity command stepper motor for CSI application
[NASA-TM-102765] 10 p1536 N91-18456
SAM 2 measurements of the polar stratospheric aerosol. Volume 9: October 1982 - April 1983
[NASA-RP-1244] 10 p1546 N91-18505
Modes of visual recognition and perceptually relevant sketch-based coding for images
[NASA-TM-104051] 10 p1579 N91-18692
Structural factoring approach for analyzing stochastic networks
[NASA-TP-3069] 10 p1588 N91-18753
NASA/DOD aerospace knowledge diffusion research project: The relationship between the use of US Government technical reports by US aerospace engineers and scientists and selected institutional and sociometric variables
[NASA-TM-102774] 10 p1613 N91-18898
Research and technology 1990, Langley Research Center
[NASA-TM-4243] 10 p1626 N91-18966
Joint University Program for Air Transportation Research, 1989-1990
[NASA-CP-3095] 11 p1637 N91-19024
Experimental investigation of porous-floor effects on cavity flow fields at supersonic speeds
[NASA-TP-3032] 11 p1639 N91-19042
A finite Reynolds number approach for the prediction of boundary layer receptivity in localized regions
[NASA-TM-102781] 11 p1643 N91-19061
Robust fault diagnosis of physical systems in operation
[NASA-TM-102767] 11 p1645 N91-19073
The 5th Annual NASA Spacecraft Control Laboratory Experiment (SCOLE) Workshop, part 2
[NASA-CP-10057-PT-2] 11 p1656 N91-19122
Free vibration of hexagonal panels supported at discrete points
[NASA-TM-102688] 11 p1663 N91-19166
Comparative morphology of configurations with reduced part count derived from the octahedral-tetrahedral truss
[NASA-TM-102768] 11 p1664 N91-19168
Laser Doppler velocimetry for continuous flow solar-pumped iodine laser system
[NASA-TM-104029] 11 p1709 N91-19415
Active damping application to the shuttle RMS
[NASA-TM-102763] 11 p1720 N91-19471
Modal identification of a deployable space truss
[NASA-TM-102720] 11 p1721 N91-19474
Nonlinear analysis and redesign of the mixed-mode bending delamination test
[NASA-TM-102777] 11 p1722 N91-19482
Wall-interference assessment and corrections for transonic NACA 0012 airfoil data from various wind tunnels
[NASA-TP-3070] 12 p1827 N91-20043
Structural dynamics division research and technology accomplishments for fiscal year 1990 and plans for fiscal year 1991
[NASA-TM-102770] 12 p1828 N91-20046
Spatial adaption procedures on unstructured meshes for accurate unsteady aerodynamic flow computation
[NASA-TM-104039] 12 p1828 N91-20048
A controls engineering approach for analyzing airplane input-output characteristics
[NASA-TP-3072] 12 p1842 N91-20128
Cryogenic wind tunnels: A comprehensive, annotated bibliography
[NASA-TM-4273] 12 p1845 N91-20143
Benefits from synergies and advanced technologies for an advanced-technology space station
[NASA-TP-3067] 12 p1852 N91-20177
Utilization of common pressurized modules on the Space Station Freedom
[NASA-TM-102779] 12 p1854 N91-20189

National Educators' Workshop: Update 1988. Standard Experiments in Engineering Materials Science and Technology
[NASA-CP-3060] 12 p1859 N91-20207
Surface effects on hydrogen permeation through Ti-14Al-21Nb alloy
[NASA-TP-3109] 12 p1868 N91-20266
Addition of equilibrium air to an upwind Navier-Stokes code and other first steps toward a more generalized flow solver
[NASA-TM-102616] 12 p1899 N91-20447
Convective response of a wall-mounted hot-film sensor in a shock tube 12 p1900 N91-20451
Spectrophotometer-integrating-sphere system for computing solar absorptance
[NASA-TM-4252] 12 p1902 N91-20465
Buckling and vibration analysis of a simply supported column with a piecewise constant cross section
[NASA-TP-3090] 12 p1910 N91-20503
Status of DSMT research program
[NASA-TM-102764] 12 p1911 N91-20505
Method for optimal configuration of an ECLSS on the Space Station Freedom
[NASA-TM-104040] 12 p1932 N91-20631
Forward and inverse kinematics of double universal joint robot wrists 12 p1935 N91-20645
Test and evaluation of the generalized gate logic system simulator
[NASA-TM-4251] 12 p1973 N91-20857
Summary report to phase 1 respondents including frequency distributions
[NASA-TM-102773] 12 p1996 N91-20988
Static thrust-vectoring performance of nonaxisymmetric convergent-divergent nozzles with post-exit yaw vanes
[NASA-TP-3085] 13 p2011 N91-21059
Computation of laminar viscous-inviscid interactions in high-speed internal flows 13 p2016 N91-21087
Two and three-dimensional shock-shock interactions on the blunt leading edges of the hypersonic inlets
13 p2016 N91-21088
The direct simulation of high-speed mixing-layers without and with chemical heat release
13 p2017 N91-21095
Numerical simulation of transverse fuel injection
13 p2017 N91-21097
A highly efficient engineering tool for three-dimensional scramjet flowfield and heat transfer computations
13 p2017 N91-21098
Span reduction effects on the flutter characteristics of arrow-wing supersonic transport configurations
[NASA-TP-3077] 13 p2023 N91-21127
A simple, analytical, axisymmetric microburst model for downdraft estimation
[NASA-TM-104053] 13 p2024 N91-21132
Hot-bench simulation of the active flexible wing wind-tunnel model
[NASA-TM-102758] 13 p2026 N91-21144
Torsional suspension system for testing space structures
[NASA-CASE-LAR-14149-1-SB]
13 p2032 N91-21176
Dynamic response of a hammerhead launch vehicle wind-tunnel model
[NASA-TM-104050] 13 p2032 N91-21177
Aerobrake assembly with minimum Space Station accommodation
[NASA-TM-102778] 13 p2034 N91-21183
The spacecraft control laboratory experiment optical attitude measurement system
[NASA-TM-102624] 13 p2034 N91-21186
Aerospace Applications of Magnetic Suspension Technology, part 1
[NASA-CP-10066-PT-1] 13 p2035 N91-21188
Propulsion simulator for magnetically-suspended wind tunnel models 13 p2036 N91-21198
A solid-state controllable power supply for a magnetic suspension wind tunnel 13 p2036 N91-21199
Description of the Large-Gap Magnetic Suspension System (LGMSS) ground based experiment
13 p2036 N91-21200
Stability considerations for magnetic suspension systems using electromagnets mounted in a planar array
13 p2037 N91-21202
Aerospace Applications of Magnetic Suspension Technology, part 2
[NASA-CP-10066-PT-2] 13 p2037 N91-21203
Chemical spray pyrolysis of Tl-Ba-Ca-Cu-O high-T(sub c) superconductors for high-field bitter magnets
13 p2039 N91-21212
Pre-integrated structures for Space Station Freedom
[NASA-TM-102780] 13 p2039 N91-21214
Dynamic and control assessment of the Space Station Freedom payload pointing system
[NASA-TM-101667] 13 p2041 N91-21225
Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB]
13 p2048 N91-21270
Synthesis of imide/arylene ether copolymers for adhesives and composite matrices
[NASA-TM-104067] 13 p2055 N91-21306
Imide/arylene ether block copolymers
[NASA-TM-104066] 13 p2055 N91-21308
Radiographic instrumentation for DPM experiments
13 p2065 N91-21373
Phase-lock-loop application for fiber optic receiver
[NASA-TM-102776] 13 p2076 N91-21435
Heat tube device
[NASA-CASE-KSC-11395-1-CU]
13 p2082 N91-21473
Single element magnetic suspension actuator
[NASA-CASE-LAR-13981-1] 13 p2096 N91-21539
Mechanical strain isolator mount
[NASA-CASE-LAR-13580-1] 13 p2096 N91-21541
Determination of the flight hardware configuration of an energy absorbing attenuator for the proposed Space Station crew and equipment translation aid cart
[NASA-TP-3084] 13 p2099 N91-21556
Closed-form solutions for linear regulator design of mechanical systems including optimal weighting matrix selection
[NASA-TM-104052] 13 p2102 N91-21572
Passive dynamic controllers for nonlinear mechanical systems
[NASA-TM-104047] 13 p2103 N91-21573
Comparison of several system identification methods for flexible structures
[NASA-TM-104046] 13 p2103 N91-21574
Identification of linear multivariable systems from a single set of data by identification of observers with assigned real eigenvalues
[NASA-TM-102669] 13 p2103 N91-21575
A discourse on sensitivity analysis for discretely-modeled structures
[NASA-TM-104065] 13 p2103 N91-21577
Active vibration absorber for CSI evolutionary model: Design and experimental results
[NASA-TM-104048] 13 p2104 N91-21578
On-orbit damage detection and health monitoring of large space trusses: Status and critical issues
[NASA-TM-104045] 13 p2104 N91-21579
Stacking-sequence optimization for buckling of laminated plates by integer programming
[NASA-TM-104033] 13 p2104 N91-21580
Second-order discrete Kalman filtering equations for control-structure interaction simulations
[CU-CSSC-91-5] 13 p2131 N91-21731
Parallel computations and control of adaptive structures 13 p2131 N91-21732
A multiblock multigrid three-dimensional Euler equation solver
[NASA-TM-103424] 13 p2142 N91-21795
Permanent magnet flux-biased magnetic actuator with flux feedback
[NASA-CASE-LAR-13785-1] 13 p2146 N91-21824
The sound of moving bodies
[NASA-TM-103342] 13 p2147 N91-21827
Frequency response calibration of recess-mounted pressure transducers
[NASA-TM-104031] 13 p2148 N91-21834
Corrections to the participant-spectator model of high-energy alpha-particle fragmentation
[NASA-TM-4262] 13 p2152 N91-21860
Enhanced single layer multi-color or luminescent display with coactivators
[NASA-CASE-LAR-14181-1] 13 p2160 N91-21911
NASA/DoD aerospace knowledge diffusion research project. Paper 9: Information intermediaries and the transfer of aerospace Scientific and Technical Information (STI). A report from the field
[NASA-TM-103384] 13 p2167 N91-21959
Aeropropulsive characteristics of canted twin pitch-vectoring nozzles at Mach 0.20 to 1.20
[NASA-TP-3060] 14 p2185 N91-22069
Numerical study of the aerodynamic effects of using sulfur hexafluoride as a test gas in wind tunnels
[NASA-TP-3086] 14 p2185 N91-22070
Development of a grid-independent approximate Riemannsolver
[NASA-TM-104946] 14 p2189 N91-22090
Flight test to determine feasibility of a proposed airborne wake vortex detection concept
[NASA-TM-102672] 14 p2190 N91-22096
Traffic Alert and Collision Avoidance System (TCAS): Cockpit Display of Traffic Information (CDTI) investigation. Phase 1: Feasibility study
[NASA-TM-104956] 14 p2191 N91-22102
Computer program for estimating performance of air-breathing aircraft engines
[NASA-TM-4254] 14 p2191 N91-22103
Dynamic stall effects and applications to high performance aircraft 14 p2192 N91-22106
Recent advances in approximation concepts for optimum structural design
[NASA-TM-104032] 14 p2193 N91-22113
Rigid-body-control subsystem sizing for an Earth science geostationary platform
[NASA-TP-3087] 14 p2224 N91-22302
NASA future mission needs and benefits of controls-structures interaction technology
[NASA-TM-104034] 14 p2225 N91-22305
Conceptual design of a multiple cable crane for planetary surface operations
[NASA-TM-104041] 14 p2225 N91-22306
Fourth NASA Workshop on Computational Control of Flexible Aerospace Systems, part 1
[NASA-CP-10065-PT-1] 14 p2225 N91-22307
An integrated control/structure design method using multi-objective optimization 14 p2228 N91-22322
Combined structures-controls optimization of lattice trusses 14 p2228 N91-22323
PDEMOD: Software for control/structures optimization
14 p2229 N91-22327
Fourth NASA Workshop on Computational Control of Flexible Aerospace Systems, part 2
[NASA-CP-10065-PT-2] 14 p2229 N91-22331
An overview of the active flexible wing program
14 p2229 N91-22332
Aeroelastic modeling of the active flexible wing wind-tunnel model 14 p2230 N91-22333
Design and test of three active flutter suppression controllers 14 p2230 N91-22334
Development, simulation validation, and wind tunnel testing of a digital controller system for flutter suppression 14 p2230 N91-22336
Development and testing of controller performance evaluation methodology for multi-input/multi-output digital control systems 14 p2230 N91-22337
Simulator evaluation of system identification with on-line control law update for the controls and astrophysics experiment in space 14 p2231 N91-22341
Likelihood estimation for distributed parameter models for NASA Mini-MAST truss 14 p2232 N91-22349
Analysis of matrix cracking and local delamination in (0/theta/-theta)sub s graphite epoxy laminates under tension load
[NASA-TM-104062] 14 p2239 N91-22384
Nondimensional parameters and equations for buckling of symmetrically laminated thin elastic shallow shells
[NASA-TM-104060] 14 p2241 N91-22397
Thermal characterization and toughness of ethynyl containing blends
[NASA-TM-104071] 14 p2250 N91-22448
Q-circle measurement error
[NASA-TM-4253] 14 p2259 N91-22495
Numerical studies of convective cooling for a locally heated skin
[NASA-TP-3100] 14 p2261 N91-22509
Low-energy positron flux generator for microstructural characterization of thin films
[NASA-TP-3074] 14 p2266 N91-22538
A synchronous strobed laser light sheet for rotor flow visualization
[NASA-TM-4266] 14 p2267 N91-22540
Computational methods for frictionless contact with application to Space Shuttle Orbiter nose-gear tires
[NASA-TP-3073] 14 p2274 N91-22576
Sensitivity-based scaling for correlating structural response from different analytical models
[NASA-TM-104042] 14 p2274 N91-22578
Environmental fatigue of an Al-Li-Cu alloy. Part 1: Intrinsic crack propagation kinetics in hydrogenous environments
[NASA-TM-104064] 14 p2276 N91-22587
Structural integrity of wind tunnel wooden fan blades
[NASA-TM-104059] 14 p2276 N91-22589
NASA/DOD aerospace knowledge diffusion research project. Phase 2: Respondents including frequency distributions
[NASA-TM-104063] 14 p2339 N91-22931
Improvements in computational accuracy of BRYNTRN (a baryon transport code)
[NASA-TP-3093] 14 p2354 N91-23017
Optical storage device 14 p2356 N91-23033
Rewriteable optical disk recorder development
14 p2357 N91-23034
High performance polymer development
14 p2357 N91-23039
Cost-efficient manufacturing of composite structures
14 p2359 N91-23048
Rapid induction bonding of composites, plastics, and metals 14 p2359 N91-23049
A semi-automated process for the production of custom-made shoes 14 p2359 N91-23051
Urodynamic pressure sensor
14 p2361 N91-23066

Practical approaches for application of resistance type strain gages on high temperature composites
14 p2362 N91-23068
Application of multidisciplinary optimization methods to the design of a supersonic transport
[NASA-TM-104073] 15 p2374 N91-23135
Hypersonic propulsion: Status and challenge
15 p2377 N91-23153
Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] 15 p2391 N91-23237
Rate dependent stress-strain behavior of advanced polymer matrix composites
[NASA-TM-104070] 15 p2393 N91-23244
Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] 15 p2421 N91-23410
Birefringent filter design
[NASA-CASE-LAR-13887-1] 15 p2432 N91-23472
Application of elastic and elastic-plastic fracture mechanics methods to surface flaws
[NASA-TM-104964] 15 p2444 N91-23539
Non-mechanical optical path switching and its application to dual beam spectroscopy including gas filter correlation radiometry
[NASA-CASE-LAR-14588-1-CU]
15 p2507 N91-23889
Superplastic forming of Al-Li alloys for lightweight, low-cost structures 15 p2539 N91-24065
Quantitative nondestructive evaluation: Requirements for tomorrow's reliability 15 p2540 N91-24074
The transfer of technology to measure skin burn depth in humans 15 p2541 N91-24076
Frequency domain laser velocimeter signal processor
15 p2541 N91-24077
A field-deployable digital acoustic measurement system 15 p2541 N91-24078
Description of the Large Gap Magnetic Suspension System (LGMSS) ground-based experiment
15 p2542 N91-24083
The NASA Langley laminar-flow-control experiment on a swept, supercritical airfoil: Suction coefficient analysis
[NASA-TM-4267] 16 p2544 N91-24098
Effects of nozzle exit geometry and pressure ratio on plume shape for nozzles exhausting into quiescent air
[NASA-TM-104097] 16 p2550 N91-24129
Transonic Symposium: Theory, Application and Experiment, volume 2
[NASA-CP-3020-VOL-2] 16 p2550 N91-24132
National Transonic Facility status
16 p2550 N91-24133
Reynolds number effects on the transonic aerodynamics of a slender wing-body configuration
16 p2550 N91-24134
Laminar-flow flight experiments
16 p2551 N91-24135
Laminar-flow wind tunnel experiments
16 p2551 N91-24136
Computational support of the X-29A Advanced Technology Demonstrator flight experiment
16 p2551 N91-24137
Results of correlations for transition location on a clean-up glove installed on an F-14 aircraft and design studies for a laminar glove for the X-29 aircraft accounting for spanwise pressure gradient
16 p2551 N91-24138
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 2
[NASA-CP-10060-PT-2] 16 p2551 N91-24140
Status of 2 micron laser technology program
16 p2552 N91-24143
Status of NASA's IR wind shear detection research
16 p2552 N91-24145
Clutter modeling of the Denver Airport and surrounding areas 16 p2553 N91-24152
Airborne radar simulation studies of the Denver July 11, 1988 microburst 16 p2554 N91-24155
Description, characteristics and testing of the NASA airborne radar 16 p2554 N91-24156
Airborne Wind Shear Detection and Warning Systems: Third Combined Manufacturers' and Technologists' Conference, part 1
[NASA-CP-10060-PT-1] 16 p2555 N91-24166
Integrated data analysis of July 7, 1990 microburst
16 p2555 N91-24170
NASA Langley flight test program
16 p2556 N91-24175
TDWR information on the flight deck
16 p2556 N91-24176
Status of heavy rain tests 16 p2557 N91-24180
Estimate of heavy rain performance effect
16 p2557 N91-24182
A system approach to aircraft optimization
[NASA-TM-104074] 16 p2559 N91-24196
Evaluation of cloud detection instruments and performance of laminar-flow leading-edge test articles during NASA Leading-Edge Flight-Test Program
[NASA-TP-2888] 16 p2560 N91-24199
NASA-LaRc Flight-Critical Digital Systems Technology Workshop
[NASA-CP-10028] 16 p2560 N91-24200
Advanced Hypervelocity Aerophysics Facility Workshop
[NASA-CP-10031] 16 p2563 N91-24211
Feasibility analysis of cislunar flight using the Shuttle Orbiter
[NASA-TM-104084] 16 p2565 N91-24220
Design, fabrication, and tests of a metallic shell tile thermal protection system for space transportation
[NASA-TM-101537] 16 p2566 N91-24229
Evaluation of proposed rocket engines for Earth-to-orbit vehicles 16 p2569 N91-24240
Cooling system and insulation concept for a Mach 5 turbo-ramjet aircraft 16 p2577 N91-24286
Mechanical property characterization and impact resistance of selected graphite/PEEK composite materials
[NASA-TM-102769] 16 p2588 N91-24343
CETA truck and EVA restraint system
16 p2639 N91-24604
Atlas of wide-field-of-view outgoing longwave radiation derived from Nimbus 7 Earth radiation budget data set, November 1985 to October 1987
[NASA-RP-1261] 16 p2660 N91-24719
NASA/DOD aerospace knowledge diffusion research project. Faculty and student respondents
[NASA-TM-104085] 16 p2698 N91-24943
First LDEF Post-Retrieval Symposium abstracts
[NASA-CP-10072] 16 p2705 N91-24972
LDEF space environments overview
16 p2706 N91-24974
Use of the Long Duration Exposure Facility's thermal measurement system for the verification of thermal models 16 p2706 N91-24975
Organic contamination of LDEF
16 p2707 N91-24979
Large craters on the meteoroid and space debris impact experiment 16 p2710 N91-24998
IDE spatio-temporal impact fluxes and high time-resolution studies of multi-impact events and long-lived debris clouds 16 p2712 N91-25009
Preliminary findings of the LDEF materials special investigation group 16 p2713 N91-25018
Chemical characterization of selected LDEF polymeric materials 16 p2713 N91-25019
Effects of LDEF flight exposure on selected polymeric films and thermal control coatings
16 p2716 N91-25034
Effects of LDEF flight exposure on selected polymer matrix resin composite materials
16 p2719 N91-25053
Effects of long-duration exposure on optical system components 16 p2721 N91-25070
Effect of space exposure on pyroelectric infrared detectors 16 p2721 N91-25073
Low-speed, powered ground effects of a generic, hypersonic configuration
[NASA-TP-3092] 17 p2727 N91-25103
Development of an adaptive failure detection and identification system for detecting aircraft control element failures
[NASA-TP-3051] 17 p2737 N91-25151
Process for the manufacture of seamless metal-clad fiber-reinforced organic matrix composite structures
[NASA-CASE-LAR-13562-2] 17 p2747 N91-25199
Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] 17 p2747 N91-25200
Braze alloy process and strength characterization studies for 18 nickel grade 200 maraging steel with application to wind tunnel models
[NASA-TM-104075] 17 p2760 N91-25283
Tests in helium illustrate high Mach number inlet-forebody interactions 17 p2772 N91-25338
A numerical study of hypersonic forebody/inlet integration problem 17 p2773 N91-25343
Synchronous strobe apparatus for flow visualization
[NASA-CASE-LAR-14556-1] 17 p2781 N91-25392
IMAT graphics manual
[NASA-TM-104080] 17 p2787 N91-25421
Identification of observer/Kalman filter Markov parameters: Theory and experiments
[NASA-TM-104069] 17 p2790 N91-25437
Tropospheric ozone and aerosols measured by airborne lidar during the 1988 Arctic boundary layer experiment
17 p2794 N91-25455
Airborne lidar measurements of ozone during the 1989 airborne Arctic stratospheric expedition
17 p2794 N91-25456
Airborne sulfur trace species intercomparison campaign: Sulfur dioxide, dimethylsulfide, hydrogen sulfide, carbon disulfide, and carbonyl sulfide 17 p2796 N91-25464
Airborne water vapor DIAL system and measurements of water and aerosol profiles 17 p2796 N91-25467
Lidar measurements of polar stratospheric clouds during the 1989 airborne Arctic stratospheric expedition
17 p2797 N91-25470
Satellite orbit considerations for a global change technology architecture trade study
[NASA-TM-104081] 17 p2815 N91-25557
Science requirements for a global change technology architecture trade study
[NASA-TM-104082] 17 p2815 N91-25558
Introduction to the LaRC central scientific computing complex
[NASA-TM-104092] 17 p2828 N91-25623
Guidance, navigation, and control subsystem equipment selection algorithm using expert system methods
[NASA-TP-3082] 17 p2829 N91-25624
Model reduction by trimming for a class of semi-Markov reliability models and the corresponding error bound
[NASA-TP-3089] 17 p2848 N91-25741
NASA/DoD aerospace knowledge diffusion research project. Phase 3: Faculty and student respondents including frequency distributions
[NASA-TM-104086] 17 p2885 N91-25950
Radiation risk predictions for Space Station Freedom orbits
[NASA-TP-3098] 17 p2918 N91-26107
Langley aerospace test highlights, 1990
[NASA-TM-104090] 17 p2919 N91-26112
Performance optimization of helicopter rotor blades
[NASA-TM-104054] 18 p2925 N91-26137
Measurement of atmospheric turbulence
18 p2927 N91-26151
Liquid cooled supersonic total temperature probe
[NASA-CASE-LAR-14435-1-CU]
18 p2929 N91-26159
Effect of molecular weight on polyphenylquinoxaline properties
[NASA-TM-104100] 18 p2966 N91-26377
LaRC-ITPI/arylene ether copolymers
[NASA-TM-104099] 18 p2966 N91-26378
Effect of initial delamination on Mode 1 and Mode 2 interlaminar fracture toughness and fatigue fracture threshold
[NASA-TM-104079] 18 p3000 N91-26569
Vibratory loads data from a wind-tunnel test of structurally tailored model helicopter rotors
[NASA-TM-4265] 19 p3099 N91-27120
Effects of yaw angle and Reynolds number on rectangular-box cavities at subsonic and transonic speeds
[NASA-TP-3099] 19 p3099 N91-27124
NASP aeroservothermoelasticity studies
[NASA-TM-104058] 19 p3100 N91-27127
Suggestions for CAP-TSD mesh and time-step input parameters
[NASA-TM-104083] 19 p3100 N91-27128
RWF rotor-wake-fuselage code software reference guide
[NASA-TM-104078] 19 p3101 N91-27132
Structural dynamic and aeroelastic considerations for hypersonic vehicles
[NASA-TM-104110] 19 p3101 N91-27133
Selectable towline spin chute system
[NASA-CASE-LAR-14322-1] 19 p3102 N91-27139
Shock wave interaction with an abrupt area change
[NASA-TP-3113] 19 p3102 N91-27140
Evaluation of the concept of pressure proof testing fuselage structures
[DOT/FAA/CT-TN91/31] 19 p3105 N91-27155
Passive venting technique for shallow cavities
[NASA-CASE-LAR-13875-1] 19 p3105 N91-27156
Overview of the Applied Aerodynamics Division
[NASA-TM-102698] 19 p3108 N91-27169
Technology for the Future: In-Space Technology Experiments Program, part 1
[NASA-CP-10073-PT-1] 19 p3109 N91-27177
Technology for the Future: In-Space Technology Experiments Program, part 2
[NASA-CP-10073-PT-2] 19 p3109 N91-27178
Launch vehicle integration options for a large Earth sciences geostationary platform concept
[NASA-TP-3083] 19 p3110 N91-27180
Packaging, development, and on-orbit assembly options for large geostationary spacecraft
[NASA-TP-3088] 19 p3110 N91-27182
Comparison of structural performance of one- and two-bay rotary joints for truss applications
[NASA-TM-4282] 19 p3113 N91-27198
Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] 19 p3113 N91-27199

Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] 19 p3117 N91-27220
Transverse electric scattering widths for strips-Fourier transform technique
[NASA-TM-102729] 19 p3148 N91-27401
Calculation of convective and radiative heating on the forebody heatshield of the aeroassist flight experiment vehicle
[NASA-TM-104103] 19 p3162 N91-27486
Laser transit anemometer and Pitot probe comparative measurements in a sharp cone boundary layer at Mach 4
[NASA-TM-104101] 19 p3169 N91-27523
Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14489-1] 19 p3176 N91-27562
Experiments for locating damaged truss members in a truss structure
[NASA-TM-104093] 19 p3179 N91-27578
Ozone reference models for the middle atmosphere (new CIRA) 19 p3188 N91-27633
Improved reference models for middle atmosphere ozone 19 p3189 N91-27634
An interim reference model for the variability of the middle atmosphere H2O vapor distribution 19 p3189 N91-27635
Background stratospheric aerosol reference model 19 p3190 N91-27640
An ultrasonic technique to measure the depth of burn wounds in humans
[NASA-TM-104116] 19 p3239 N91-27910
Sound attenuation apparatus
[NASA-CASE-LAR-13968-1] 19 p3239 N91-27913
Method and apparatus for characterizing reflected ultrasonic pulses
[NASA-CASE-LAR-13966-1] 19 p3239 N91-27914
Slow positron beam generator for lifetime studies
[NASA-CASE-LAR-14250-1-SB] 19 p3243 N91-27936
NASA/DoD aerospace knowledge diffusion research project: The DoD perspective
[NASA-TM-101746] 19 p3260 N91-28033
Evaluation of on-board hydrogen storage methods for hypersonic vehicles 19 p3273 N91-28108
End-effector-joint conjugates for robotic assembly of large truss structures in space: A second generation 19 p3274 N91-28109
Progress in proton transport code development: Microelectronic application 19 p3275 N91-28114
Development of flashlamp-pumped Q-switched Ho:Tm:Cr:YAG lasers for mid-infrared LIDAR application 19 p3276 N91-28120
A methodology for using nonlinear aerodynamics in aeroservoelastic analysis and design
[NASA-TM-104087] 20 p3279 N91-28131
Transonic shock-induced dynamics of a flexible wing with a thick circular-arc airfoil
[NASA-TM-104088] 20 p3279 N91-28132
Vaporizing particle velocimeter
[NASA-CASE-LAR-14685-1] 20 p3280 N91-28135
Experimental flutter boundaries with unsteady pressure distributions for the NACA 0012 Benchmark Model
[NASA-TM-104072] 20 p3280 N91-28137
Longitudinal aerodynamic characteristics of a subsonic, energy-efficient transport configuration in the National Transonic Facility
[NASA-TP-2922] 20 p3281 N91-28143
F-106B airplane active control landing gear drop test performance 20 p3285 N91-28164
Improved method and apparatus for Mach number change in wind tunnel
[NASA-CASE-LAR-13548-1] 20 p3287 N91-28175
Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] 20 p3289 N91-28184
Propulsion studies for advanced manned launch systems 20 p3294 N91-28213
Local delamination in laminates with angle ply matrix cracks. Part 1: Tension tests and stress analysis
[NASA-TM-104055] 20 p3305 N91-28293
Acoustophoresis method and apparatus
[NASA-CASE-LAR-13388-1] 20 p3310 N91-28321
Test of superplastically formed corrugated aluminum compression specimens with beaded webs
[NASA-TM-104119] 20 p3319 N91-28373
Process for bonding elastomers to metal
[NASA-CASE-LAR-13645-1] 20 p3327 N91-28424
Polyimides prepared from 3,5-diamino benzo trifluoride
[NASA-CASE-LAR-14206-1] 20 p3327 N91-28425
Improving the performance of blasting caps
[NASA-CASE-LAR-13832-1] 20 p3330 N91-28444
Flush mounting of thin film sensors
[NASA-CASE-LAR-14446-1] 20 p3332 N91-28454
Method and apparatus for cleaning rubber deposits from airport runways and roadways
[NASA-CASE-LAR-14483-1] 20 p3332 N91-28455
Method of preforming and assembling superconducting circuit elements
[NASA-CASE-LAR-14395-1-CU] 20 p3339 N91-28490
Pressure transducer and system for cryogenic environments
[NASA-CASE-LAR-14579-1] 20 p3349 N91-28546
Noncircular rolling joints for vibrational reduction in slewing maneuvers
[NASA-CASE-LAR-14515-1-CU] 20 p3354 N91-28580
Effect of fiber-matrix debonding on notched strength of titanium metal matrix composites
[NASA-TM-104131] 21 p3469 N91-29239
NASA workshop on impact damage to composites
[NASA-CP-10075] 21 p3469 N91-29240
A general graphical user interface for automatic reliability modeling
[NASA-TM-104068] 21 p3554 N91-29745
Concepts for manned lunar habitats
[NASA-TM-104114] 21 p3607 N91-30068
Unstructured-grid methods development: Lessons learned
[NASA-TM-104137] 22 p3612 N91-30090
Full-scale semispan tests of a business-jet wing with a natural laminar flow airfoil
[NASA-TP-3133] 22 p3613 N91-30098
Potential converter for laser-power beaming 22 p3635 N91-30228
Local delamination in laminates with angle ply matrix cracks. Part 2: Delamination fracture analysis and fatigue characterization
[NASA-TM-104076] 22 p3643 N91-30274
Constant amplitude and post-overload fatigue crack growth behavior in PM aluminum alloy AA 8009
[NASA-TM-104132] 22 p3643 N91-30275
Residual thermal and moisture influences on the strain energy release rate analysis of local delaminations from matrix cracks
[NASA-TM-104077] 22 p3644 N91-30280
Low-loss coupling to dielectric resonators
[NASA-TM-104111] 22 p3669 N91-30430
Single-block Navier-Stokes integrator
[NASA-CR-187613] 22 p3676 N91-30467
Damage prediction in cross-plied curved composite laminates
[NASA-TM-104089] 22 p3694 N91-30567
User's guide to a system of finite-element supersonic panel flutter programs
[NASA-TM-104109] 23 p3781 N91-31082
Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13854-1-CU] 23 p3787 N91-31120
Two alternative ways for solving the coordination problem in multilevel optimization
[NASA-TM-104036] 23 p3790 N91-31138
A technique for locating function roots and for satisfying equality constraints in optimization
[NASA-TM-104037] 23 p3790 N91-31139
Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] 23 p3790 N91-31140
Flight tests with a data link used for air traffic control information exchange
[NASA-TP-3135] 23 p3791 N91-31143
Automatic satellite tracking system for the NASA Satellite Photometric Observatory
[NASA-TM-105037] 23 p3800 N91-31194
Restructured Freedom configuration characteristics
[NASA-TM-104057] 23 p3801 N91-31201
Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU] 23 p3819 N91-31307
Apparatus and method for explosive bonding to edge of flyer plate
[NASA-CASE-LAR-14096-1] 23 p3852 N91-31476
A case study for the real-time experimental evaluation of the VIPER microprocessor
[NASA-TM-104098] 23 p3861 N91-31531
A relative-intensity two-color phosphor thermography system
[NASA-TM-104123] 23 p3871 N91-31595
Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-2-SB] 23 p3871 N91-31596
Generation of particles and seeding 23 p3875 N91-31618
Biasing errors and corrections 23 p3876 N91-31621
Review of typical applications: Wind tunnels 23 p3877 N91-31632
Analysis of thermomechanical fatigue of unidirectional titanium metal matrix composites
[NASA-TM-104105] 23 p3884 N91-31677
Improved finite-element methods for rotorcraft structures
[NASA-TM-104104] 23 p3886 N91-31687
Tunable far infrared studies of molecular parameters in support of stratospheric measurements
[NASA-CR-188774] 23 p3893 N91-31723
Kinematics of the six-degree-of-freedom force-reflecting Kraft Master
[NASA-TM-104124] 23 p3917 N91-31879
Single layer multi-color luminescent display
[NASA-CASE-LAR-13616-1] 23 p3928 N91-31950
Unstructured-grid methods development for unsteady aerodynamic and aeroelastic analyses
[NASA-TM-104143] 24 p3951 N91-32084
An experimental investigation of a supersonic vortical flow
[NASA-TM-105102] 24 p3951 N91-32085
Nozzle diffuser for use with an open test section of a wind tunnel
[NASA-CASE-LAR-14424-1-SB] 24 p3963 N91-32149
Ignitability test method and apparatus
[NASA-CASE-LAR-14454-1] 24 p3973 N91-32196
Linear mass actuator
[NASA-CASE-LAR-14352-1] 24 p4028 N91-32511
Lanczos eigensolution method for high-performance computers
[NASA-TM-104108] 24 p4031 N91-32526
Validation of lidar and satellite remote sensing 24 p4033 N91-32535
Gigaflop performance on a CRAY-2: Multitasking a computational fluid dynamics application
[NASA-TM-4305] 24 p4088 N91-32841
NASA/DoD aerospace knowledge diffusion research project: Phase 3 academic library respondents including frequency distributions
[NASA-TM-104095] 24 p4117 N91-33013

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. LEWIS RESEARCH CENTER, CLEVELAND, OH.

Analysis of 5 KHz combustion instabilities in 40K methane/LOX combustion chambers
[NASA-TM-101368] 01 p0020 N91-10117
Performance characterization of a segmented anode arcjet thruster
[NASA-TM-103227] 01 p0020 N91-10118
Developments in REDES: The rocket engine design expert system
[NASA-TM-103657] 01 p0020 N91-10119
Structural properties of laminated Douglas fir/epoxy composite material
[NASA-RP-1236] 01 p0022 N91-10127
Intercalated graphite fiber composites as EMI shields in aerospace structures
[NASA-TM-103632] 01 p0023 N91-10134
High temperature cyclic oxidation data. Part 1: Turbine alloys
[NASA-TM-83665] 01 p0025 N91-10149
High-temperature cyclic oxidation data. Part 2: Turbine alloys
[NASA-TM-101468] 01 p0025 N91-10150
Effect of surface deposits on electromagnetic waves propagating in uniform ducts
[NASA-TM-103282] 01 p0035 N91-10208
A three-dimensional turbulent heat transfer analysis for advanced tubular rocket thrust chambers
[NASA-TM-103293] 01 p0042 N91-10249
Particle displacement tracking for PIV
[NASA-TM-103288] 01 p0045 N91-10271
Calculation of Weibull strength parameters, Batdorf flaw density constants and related statistical quantities using PC-CARES
[NASA-TM-103247] 01 p0056 N91-10332
Aeroacoustic effects of reduced aft tip speed at constant thrust for a model counterrotation turboprop at takeoff conditions
[NASA-TM-103608] 01 p0119 N91-10703
Determination of surface resistance and magnetic penetration depth of superconducting YBa2Cu3O(7-delta) thin films by microwave power transmission measurements
[NASA-TM-103616] 01 p0132 N91-10780
Bibliography of Lewis Research Center technical publications announced in 1989
[NASA-TM-102542] 01 p0135 N91-10798
Computational fluid dynamics at the Lewis Research Center: An overview 02 p0143 N91-10842
Numerical simulation of nonlinear development of instability waves
[E-4658] 02 p0145 N91-10849

Time dependent viscous incompressible Navier-Stokes equations 02 p0146 N91-10854
Progress toward the development of an airfoil icing analysis capability 02 p0148 N91-10866
The breakup of trailing-line vortices 02 p0148 N91-10867
Simulation of turbomachinery flows 02 p0151 N91-10880
Automated design of controlled diffusion blades 02 p0152 N91-10883
Numerical analysis of flow through oscillating cascade sections 02 p0152 N91-10884
Analysis of three-dimensional viscous flow in a supersonic throughflow fan 02 p0152 N91-10885
A numerical study of the hot gas environment around a STOVL aircraft in ground proximity 02 p0152 N91-10887
CFD analysis for high speed inlets 02 p0153 N91-10888
Flux splitting algorithms for two-dimensional viscous flows with finite-rate chemistry 02 p0154 N91-10894
Preliminary results from the advanced photovoltaic experiment flight test
[NASA-TM-103269] 02 p0189 N91-11058
A life comparison of tube and channel cooling passages for thrust chambers
[NASA-TM-103613] 02 p0189 N91-11059
Investigation of the arcjet plume near field using electrostatic probes
[NASA-TM-103638] 02 p0189 N91-11060
Photovoltaic options for solar electric propulsion
[NASA-TM-103284] 02 p0190 N91-11061
Graphite fluoride fibers and their applications in the space industry
[NASA-TM-103265] 02 p0190 N91-11062
Elastic/plastic analyses of advanced composites investigating the use of the compliant layer concept in reducing residual stresses resulting from processing
[NASA-TM-103204] 02 p0192 N91-11074
Navier-Stokes analysis of transonic cascade flow
[NASA-TM-103624] 02 p0213 N91-11192
Heat flux measurement in SSME turbine blade tester
[NASA-TM-103274] 02 p0216 N91-11205
Noise measurements from an ejector suppressor nozzle in the NASA Lewis 9- by 15-foot low speed wind tunnel
[NASA-TM-103628] 02 p0266 N91-11493
The effect of swirl recovery vanes on the cruise noise of an advanced propelier
[NASA-TM-103625] 02 p0267 N91-11494
Prediction of the noise from a propeller at angle of attack
[NASA-TM-103627] 02 p0267 N91-11495
MIS capacitor studies on silicon carbide single crystals
[NASA-CR-187350] 02 p0276 N91-11555
Effect of acoustic excitation on stalled flows over an airfoil
[NASA-TM-103183] 03 p0301 N91-11675
Numerical study of unsteady shockwave reflections using an upwind TVD scheme
[NASA-TM-103251] 03 p0301 N91-11676
An update of engine system research at the Army Propulsion Directorate
[NASA-TM-103278] 03 p0313 N91-11752
A unique high heat flux facility for testing hypersonic engine components
[NASA-TM-103238] 03 p0316 N91-11770
Status of structural analysis of 30 cm diameter ion optics
[NASA-TM-103618] 03 p0323 N91-11796
Advanced launch vehicle upper stages using liquid propulsion and metallized propellants
[NASA-TM-103622] 03 p0323 N91-11797
Xenon ion propulsion for orbit transfer
[NASA-TM-103193] 03 p0323 N91-11798
Unsteady blade-surface pressures on a large-scale advanced propeller: Prediction and data
[NASA-TM-103218] 03 p0323 N91-11799
Metallized propellants for the human exploration of Mars
[NASA-TP-3062] 03 p0324 N91-11800
Reappraisal of solid selective emitters
[NASA-TM-103290] 03 p0324 N91-11801
A 10,000-hr life test of an engineering model resistojet
[NASA-TM-103216] 03 p0324 N91-11802
Uses of Auger and x ray photoelectron spectroscopy in the study of adhesion and friction
[NASA-TM-103266] 03 p0343 N91-11922
Plasma-assisted physical vapor deposition surface treatments for tribological control
[NASA-TM-103652] 03 p0348 N91-11945
LBR-2 Earth stations for the ACTS program 03 p0353 N91-11971
An experimental study of high Tc superconducting microstrip transmission lines at 35 GHz and the effect of film morphology
[NASA-TM-103633] 03 p0356 N91-11988
A study of void effects on the interlaminar shear strength of unidirectional graphite fiber reinforced composites
[NASA-TM-103267] 03 p0363 N91-12034
Dropsize correlation for cryogenic liquid-jet atomization
[NASA-TM-103646] 03 p0368 N91-12064
Probabilistic structural analysis of a truss typical for space station
[NASA-TM-103277] 03 p0378 N91-12114
Shared direct memory access on the Explorer 2-LX
[NASA-TM-103289] 03 p0399 N91-12215
Near-field noise of a single-rotation propfan at an angle of attack
[NASA-TM-103645] 03 p0414 N91-12316
Emerging applications of high temperature superconductors for space communications
[NASA-TM-103629] 03 p0414 N91-12317
Presentation on a Space Acceleration Measurement System (SAMS) 03 p0431 N91-12417
The effect of coatings and liners on heat transfer in a dry shaft-bush tribosystem
[NASA-TM-102513] 04 p0523 N91-12913
Finite element analysis of thermal distortion effects on optical performance of solar dynamic concentrator for Space Station Freedom
[NASA-TM-102504] 04 p0532 N91-12954
Experimental and analytical evaluation of efficiency of helicopter planetary stage
[NASA-TP-3063] 04 p0533 N91-12956
Stirling engine: Available tools for long-life assessment
[NASA-TM-103660] 04 p0537 N91-12980
A steadying effect of acoustic excitation on transitory stall
[NASA-TM-103689] 05 p0616 N91-13420
A review of ice accretion data from a model rotor icing test and comparison with theory
[NASA-TM-103712] 05 p0617 N91-13421
Measurements and predictions of a liquid spray from an air-assist nozzle
[NASA-TM-103640] 05 p0623 N91-13455
Thermal and structural assessments of a ceramic wafer seal in hypersonic engines
[NASA-TM-103651] 05 p0623 N91-13456
An AD100 implementation of a real-time STOVL aircraft propulsion system
[NASA-TM-103683] 05 p0623 N91-13457
JANNAF liquid rocket combustion instability panel research recommendations
[NASA-TM-103653] 05 p0630 N91-13491
Relationship between voids and interlaminar shear strength of polymer matrix composites
[NASA-TM-103643] 05 p0631 N91-13495
Composite thermal barrier coating
[NASA-CASE-LEW-14999-1] 05 p0632 N91-13500
Method of making single crystal fibers
[NASA-CASE-LEW-14921-1] 05 p0632 N91-13502
Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-1] 05 p0643 N91-13566
Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] 05 p0648 N91-13598
Comment on local energy transfer and nonlocal interactions in homogeneous, isotropic turbulence (Phys. Fluids A2, 413 (1990))
[NASA-TM-103263] 05 p0655 N91-13638
Heat transfer device and method of making the same
[NASA-CASE-LEW-14162-1] 05 p0660 N91-13668
Probe insertion apparatus with inflatable seal
[NASA-CASE-LEW-14965-1] 05 p0671 N91-13732
Small particle selective emitter
[NASA-CASE-LEW-14731-1] 05 p0684 N91-13802
Monolithic mm-wave phase shifter using optically activated superconducting switches
[NASA-CASE-LEW-14878-1] 05 p0716 N91-13996
An x ray photoelectron spectroscopy study of Au(x)In(y) alloys
[NASA-TM-103659] 05 p0725 N91-14050
Design considerations for lunar base photovoltaic power systems
[NASA-TM-103642] 05 p0767 N91-14259
Results of a sub-scale model rotor icing test
[NASA-TM-103709] 06 p0777 N91-14309
Numerical simulation of ice growth on a MS-317 swept wing geometry
[NASA-TM-103705] 06 p0777 N91-14310
Combustor technology for future aircraft
[NASA-TM-103268] 06 p0785 N91-14349
Low velocity impact analysis with NASTRAN
[NASA-TM-103169] 06 p0802 N91-14426
Thermal stability of the microstructure of an aged Nb-Zr-C alloy
[NASA-TM-103647] 06 p0807 N91-14454
Effect of hydrogen on the strength and microstructure of selected ceramics
[NASA-TM-103674] 06 p0812 N91-14482
Manipulation hardware for microgravity research
[NASA-TM-103423] 06 p0814 N91-14498
A numerical and experimental analysis of reactor performance and deposition rates for CVD on monofilaments
[NASA-TM-103631] 06 p0815 N91-14500
Universal nondestructive mm-wave integrated circuit test fixture
[NASA-CASE-LEW-14746-1] 06 p0824 N91-14552
Surface settling in partially filled containers upon step reduction in gravity
[NASA-TM-103641] 06 p0824 N91-14556
Numerical study of shock-wave/boundary layer interactions in premixed hydrogen-air hypersonic flows
[NASA-TM-103273] 06 p0825 N91-14559
High Resolution, High Frame Rate Video Technology
[NASA-CP-3080] 06 p0828 N91-14574
Results of the users' requirements survey 06 p0828 N91-14575
State of the art in video system performance 06 p0829 N91-14578
High resolution, high frame rate video technology development plan and the near-term system conceptual design 06 p0829 N91-14580
Post clamp
[NASA-CASE-LEW-14862-1] 06 p0835 N91-14617
Axial-torsional fatigue: A study of tubular specimen thickness effects
[NASA-TM-103637] 06 p0838 N91-14632
Mappings and accuracy for Chebyshev pseudo-spectral approximations
[NASA-TM-103630] 06 p0865 N91-14781
Vibrational testing of optical fiber connector joints
[NASA-TM-103654] 06 p0873 N91-14829
Silicon carbide, a semiconductor for space power electronics
[NASA-TM-103655] 06 p0878 N91-14850
Solar radiation on Mars: Update 1990
[NASA-TM-103623] 06 p0931 N91-15117
Aerodynamics and heat transfer investigations on a high Reynolds number turbine cascade
[NASA-TM-103260] 07 p0937 N91-15134
Review of the transmissions of the Soviet helicopters
[NASA-TM-103634] 07 p0939 N91-15146
Optical measurement of unducted fan flutter
[NASA-TM-103285] 07 p0944 N91-15174
New method of making advanced tube-bundle rocket thrust chambers
[NASA-TM-103617] 07 p0965 N91-15301
The aerodynamic characteristics of vortex ingestion for the F/A-18 inlet duct
[NASA-TM-103703] 07 p0965 N91-15303
Effect of emitter parameter variation on the performance of heteroepitaxial indium phosphide solar cells
[NASA-TM-103619] 07 p0966 N91-15306
Lunar missions using chemical propulsion: System design issues
[NASA-TP-3065] 07 p0967 N91-15308
Composite bearing and seal materials for advanced heat engine applications to 900 C
[NASA-TM-103612] 07 p0969 N91-15318
Graphite fluoride fiber polymer composite material
[NASA-CASE-LEW-14472-1] 07 p0969 N91-15320
ICAN sensitivity analysis
[NASA-TM-103667] 07 p0970 N91-15328
Reinforcements: The key to high performance composite materials
[NASA-TM-103230] 07 p0971 N91-15329
Thermal barrier coating evaluation needs
[NASA-TM-103708] 07 p0982 N91-15390
Ladder polymers for use as high temperature stable resins or coatings
[NASA-CASE-LEW-14203-1] 07 p0984 N91-15402
Metallic seal for thermal barrier coating systems
[NASA-CASE-LEW-15020-1] 07 p0986 N91-15412
In-flight and simulated aircraft fuel temperature measurements
[NASA-TM-103611] 07 p0987 N91-15418
Liquid sheet radiator apparatus
[NASA-CASE-LEW-14295-1] 07 p0988 N91-15424
Overview of space propulsion systems for identifying nondestructive evaluation and health monitoring opportunities
[NASA-TM-103614] 07 p1013 N91-15565
Impedances of electrochemically impregnated nickel electrodes as functions of potential, KOH concentration, and impregnation method
[NASA-TM-103283] 07 p1025 N91-15628
Potential reduction of en route noise from an advanced turboprop aircraft
[NASA-TM-103635] 07 p1062 N91-15842
Monograph on propagation of sound waves in curved ducts
[NASA-RP-1248] 07 p1063 N91-15848
Effects of high pressure nitrogen on the thermal stability of SiC fibers
[NASA-TM-103245] 08 p1106 N91-16075

Tensile behavior of tungsten/niobium composites at 1300 to 1600 K
[NASA-TM-103727] 08 p1115 N91-16128
Method of making contamination-free ceramic bodies
[NASA-CASE-LEW-14984-1] 08 p1120 N91-16152
Extension of transonic flow computational concepts in the analysis of cavitated bearings
[NASA-TM-103214] 08 p1145 N91-16304
Wind turbine acoustics
[NASA-TP-3057] 08 p1213 N91-16679
Naturally occurring and forced azimuthal modes in a turbulent jet
[NASA-TM-103692] 09 p1273 N91-17000
Optical measurement of propeller blade deflections in a spin facility
[NASA-TM-103115] 09 p1274 N91-17002
Advanced electrical power, distribution and control for the Space Transportation System
09 p1281 N91-17043
A rocket engine design expert system
09 p1299 N91-17129
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-3] 09 p1301 N91-17141
METCAN simulation of candidate metal matrix composites for high temperature applications
[NASA-TM-103636] 09 p1301 N91-17143
Process for HIP canning of composites
[NASA-CASE-LEW-14990-1-CU]
09 p1302 N91-17145
How much redundancy: Some cost considerations, including examples for spacecraft systems
[NASA-TM-103197] 09 p1348 N91-17407
A methodology for evaluating the reliability and risk of structures under complex service environments
[NASA-TM-103244] 09 p1350 N91-17415
Current activities in standardization of high-temperature, low-cycle-fatigue testing techniques in the United States
[NASA-TM-103675] 09 p1352 N91-17427
The environment power system analysis tool development program 09 p1405 N91-17734
Review of acousto-ultrasonic NDE for composites
10 p1487 N91-18192
Acousto-ultrasonic nondestructive evaluation of materials using laser beam generation and detection
10 p1487 N91-18193
Solid State Technology Branch of NASA Lewis Research Center Second Annual Digest, June 1989 - June 1990
[NASA-TM-103226] 10 p1508 N91-18297
NASA developments in solid state power amplifiers
10 p1508 N91-18298
Surface and implantation effects on p-n junctions
10 p1508 N91-18299
Properties of insulator interfaces with p-HgCdTe
10 p1509 N91-18300
Surface electrons in inverted layers of p-HgCdTe
10 p1509 N91-18301
Diamondlike carbon as a moisture barrier and antireflecting coating on optical materials
10 p1509 N91-18302
Thin film characterization using spectroscopic ellipsometry 10 p1509 N91-18303
Ellipsometric study of cubic SiC
10 p1509 N91-18304
Optical dispersion relations for diamondlike carbon films 10 p1509 N91-18305
Diamondlike carbon applications in infrared optics and microelectronics 10 p1510 N91-18306
Effect of tensile mean stress on fatigue behavior of single-crystal and directionally solidified superalloys
[NASA-TM-103644] 10 p1535 N91-18452
Construction and testing of ceramic fabric heat pipe with water working fluid
[NASA-TM-103332] 10 p1595 N91-18799
Improved visualization of flow field measurements
[NASA-TM-103679] 11 p1640 N91-19044
Inflight source noise of an advanced full-scale single-rotation propeller
[NASA-TM-103687] 11 p1640 N91-19045
Icing characteristics of a natural-laminar-flow, a medium-speed, and a swept, medium-speed airfoil
[NASA-TM-103693] 11 p1640 N91-19046
Prediction of ice shapes and their effect on airfoil performance
[NASA-TM-103701] 11 p1640 N91-19047
Acoustic radiation from lifting airfoils in compressible subsonic flow
[NASA-TM-103650] 11 p1641 N91-19053
Implementation of control point form of algebraic grid-generation technique
[NASA-TM-103748] 11 p1642 N91-19054
Three-component laser anemometer measurement systems
[NASA-TP-3080] 11 p1642 N91-19057
Development of a laser-induced heat flux technique for measurement of convective heat transfer coefficients in a supersonic flowfield
[NASA-TM-103778] 11 p1643 N91-19063
The selection of convertible engines with current gas generator technology for high speed rotorcraft
[NASA-TM-103774] 11 p1650 N91-19097
Wind tunnel wall effects in a linear oscillating cascade
[NASA-TM-103690] 11 p1650 N91-19098
Space reactor/Stirling cycle systems for high power lunar application
[NASA-TM-103698] 11 p1653 N91-19112
Automatic control study of the icing research tunnel refrigeration system
[NASA-TM-4257] 11 p1654 N91-19115
Aeolian removal of dust types from photovoltaic surfaces on Mars 11 p1662 N91-19156
Simulation of Martian dust accumulation on surfaces
11 p1662 N91-19160
The effect of the low Earth orbit environment on space solar cells
[NASA-TM-103735] 11 p1663 N91-19165
Advanced chemical propulsion at NASA Lewis: Metallized and high energy density propellants
[NASA-TM-103771] 11 p1665 N91-19175
Radiation resistance of thin-film solar cells for space photovoltaic power
[NASA-TM-103715] 11 p1665 N91-19176
Multi-dimensional modeling of a thermal energy storage canister
[NASA-TM-103731] 11 p1665 N91-19177
Solar electric propulsion for Mars transport vehicles
[NASA-TM-103234] 11 p1665 N91-19178
Key issues in space nuclear power
[NASA-TM-103656] 11 p1666 N91-19179
A 5-kW xenon ion thruster lifetest
[NASA-TM-103191] 11 p1666 N91-19180
Space Photovoltaic Research and Technology, 1989
[NASA-CP-3107] 11 p1666 N91-19182
Tandem concentrator solar cells with 30 percent (AMO) power conversion efficiency 11 p1667 N91-19189
Thermal annealing of GaAs concentrator solar cells
11 p1668 N91-19195
Review of thin film solar cell technology and applications for ultra-light spacecraft solar arrays
11 p1669 N91-19198
Dual-purpose self-deliverable lunar surface PV electrical power system 11 p1669 N91-19200
Feasibility of solar power for Mars
11 p1669 N91-19201
Semiconductor structural damage attendant to contact formation in III-V solar cells 11 p1670 N91-19203
Effects of proton irradiation on the performance of InP/GaAs solar cells 11 p1670 N91-19205
Key factors limiting the open circuit voltage of n(+)pp(+) indium phosphide solar cells 11 p1671 N91-19206
Determination of series resistance of indium phosphide solar cells 11 p1671 N91-19207
Investigation of anodic and chemical oxides grown on p-type InP with applications to surface passivation for n(+)-p solar cell fabrication 11 p1671 N91-19208
A comparative study of performance parameters of n(+)-p InP solar cells made by closed-ampoule sulfur diffusion into Cd- and Zn-doped p-type InP substrates
11 p1671 N91-19209
Mini-dome Fresnel lens photovoltaic concentrator development 11 p1673 N91-19219
Indium phosphide solar cells
11 p1673 N91-19221
Tribological properties of Ag/Ti films on Al2O3 ceramic substrates
[NASA-TM-103784] 11 p1674 N91-19224
METCAN updates for high temperature composite behavior: Simulation/verification
[NASA-TM-103682] 11 p1674 N91-19229
Computational simulation of hot composites structures
[NASA-TM-103681] 11 p1675 N91-19230
Prospects for using carbon-carbon composites for EMI shielding
[NASA-TM-103677] 11 p1675 N91-19231
An overview of self-consistent methods for fiber-reinforced composites
[NASA-TM-103713] 11 p1675 N91-19232
Low-density, high-strength intermetallic matrix composites by XD (trademark) synthesis
[NASA-TM-103724] 11 p1675 N91-19233
Effect of fiber reinforcements on thermo-oxidative stability and mechanical properties of polymer matrix composites
[NASA-TM-103648] 11 p1675 N91-19234
Ceramic composites for rocket engine turbines
[NASA-TM-103743] 11 p1675 N91-19235
Probabilistic micromechanics and macromechanics of polymer matrix composites
[NASA-TM-103669] 11 p1676 N91-19236
Concurrent micromechanical tailoring and fabrication process optimization for metal-matrix composites
[NASA-TM-103670] 11 p1676 N91-19237
Reactivity of pi-complexes of Ti, V, and Nb towards dithioacetic acid: Synthesis and structure of novel metal sulfur-containing complexes
[NASA-TM-103666] 11 p1679 N91-19256
Structural reliability analysis of laminated CMC components
[NASA-TM-103685] 11 p1686 N91-19292
Comparison of dynamic fatigue behavior between SiC whisker-reinforced composite and monolithic silicon nitrides
[NASA-TM-103707] 11 p1686 N91-19293
Low Earth orbital atomic oxygen and ultraviolet radiation effects on polymers
[NASA-TM-103711] 11 p1687 N91-19294
Thermal shock of fiber reinforced ceramic matrix composites
[NASA-TM-103777] 11 p1687 N91-19295
Synthesis and structures of metal chalcogenide precursors
[NASA-TM-103665] 11 p1687 N91-19296
Crystallization and properties of Sr-Ba aluminosilicate glass-ceramic matrices
[NASA-TM-103764] 11 p1689 N91-19308
Conceptual study of on orbit production of cryogenic propellants by water electrolysis
[NASA-TM-103730] 11 p1691 N91-19317
Growth kinetics of physical vapor transport processes: Crystal growth of the optoelectronic material mercurous chloride
[NASA-TM-103788] 11 p1692 N91-19320
Development of a vibration isolation prototype system for microgravity space experiments
[NASA-TM-103664] 11 p1693 N91-19324
Coplanar waveguide EEsoF MICAD macros make circuit layout easy
[NASA-TM-103272] 11 p1694 N91-19332
Pulsed response of a traveling-wave tube
[NASA-TM-103672] 11 p1697 N91-19348
Using a modified Hewlett Packard 8410 network analyzer as an automated farfield antenna range receiver
[NASA-TM-103700] 11 p1698 N91-19349
Ellipsometric study of InGaAs MODFET material
[NASA-TM-103286] 11 p1698 N91-19351
Effect of dislocations on the open-circuit voltage, short-circuit current and efficiency of heteroepitaxial indium phosphide solar cells
[NASA-TM-103762] 11 p1698 N91-19354
Two reference time scales for studying, the dynamic cavitation of liquid films
[NASA-TM-103673] 11 p1701 N91-19369
Turbulent boundary layer separation over a rearward facing ramp and its control through mechanical excitation
[NASA-TM-103702] 11 p1701 N91-19370
A summary of existing and planned experiment hardware for low-gravity fluids research
[NASA-TM-103706] 11 p1702 N91-19371
The effect of small streamwise velocity distortion on the boundary layer flow over a thin flat plate with application to boundary layer stability theory
[NASA-TM-103668] 11 p1702 N91-19372
Critical-layer nonlinearity in the resonance growth of three-dimensional waves in boundary layers
[NASA-TM-103639] 11 p1702 N91-19373
Experimental investigation of a single flush-mounted hypermixing nozzle
[NASA-TM-103726] 11 p1702 N91-19374
A 2-D oscillating flow analysis in Stirling engine heat exchangers
[NASA-TM-103781] 11 p1702 N91-19375
Rotating pressure measurement system using an on board calibration standard
[NASA-TM-103676] 11 p1707 N91-19401
Cryogenic liquid-jet breakup in two-fluid atomizers
[NASA-TM-103734] 11 p1707 N91-19402
Three-dimensional computed tomography from interferometric measurements within a narrow cone of views
[NASA-TM-103257] 11 p1708 N91-19404
High temperature NASP engine seal development
[NASA-TM-103716] 11 p1715 N91-19441
A test fixture for measuring high-temperature hypersonic-engine seal performance
[NASA-TM-103658] 11 p1715 N91-19442
Heat transfer in rotating serpentine passages with trips normal to the flow
[NASA-TM-103758] 11 p1715 N91-19443
ETARA PC version 3.3 user's guide: Reliability, availability, maintainability simulation model
[NASA-TM-103751] 11 p1718 N91-19462

Property and microstructural nonuniformity in the yttrium-barium-copper-oxide superconductor determined from electrical, magnetic, and ultrasonic measurements
[NASA-TM-103732] 11 p1719 N91-19463
NDE standards for high temperature materials
[NASA-TM-103761] 11 p1719 N91-19464
Probabilistic simulation of uncertainties in thermal structures
[NASA-TM-103680] 11 p1720 N91-19472
Application of thermal life prediction model to high-temperature aerospace alloys B1900+Hf and Haynes 188
[NASA-TM-4226] 11 p1721 N91-19473
Cascade flutter analysis with transient response aerodynamics
[NASA-TM-103746] 11 p1721 N91-19475
On the thermodynamics of stress rate in the evolution of back stress in viscoplasticity
[NASA-TM-103794] 11 p1721 N91-19476
The method of lines in analyzing solids containing cracks
[NASA-TM-103626] 11 p1721 N91-19477
Towards practical control design using neural computation
[NASA-TM-103785] 11 p1780 N91-19766
Spectrum transformation for divergent iterations
[NASA-TM-103745] 11 p1784 N91-19786
Unsteady blade pressure measurements for the SR-7A propeller at cruise conditions
[NASA-TM-103606] 11 p1791 N91-19825
Study of InGaAs based MODFET structures using variable angle spectroscopic ellipsometry
[NASA-TM-103792] 11 p1809 N91-19935
Chemical approaches to carbon dioxide utilization for manned Mars missions
[NASA-TM-103728] 11 p1822 N91-20015
NASA low-speed centrifugal compressor for 3-D viscous code assessment and fundamental flow physics research
[NASA-TM-103710] 12 p1828 N91-20044
Transonic aerodynamics of dense gases
[NASA-TM-103722] 12 p1828 N91-20045
An imaging system for PLIF/Mie measurements for a combusting flow
[NASA-TM-103714] 12 p1835 N91-20084
Aeropropulsion 1991
[NASA-CP-10063] 12 p1835 N91-20086
Lewis aeropropulsion technology: Remembering the past and challenging the future
12 p1835 N91-20087
Overview of supersonic cruise propulsion research
12 p1835 N91-20088
Overview of high performance aircraft propulsion
12 p1836 N91-20089
Flow visualization and hot gas ingestion characteristics of a vectored thrust STOVL concept
12 p1836 N91-20090
High alpha inlets 12 p1836 N91-20091
Overview of hypersonic/transatmospheric vehicle propulsion technology 12 p1836 N91-20092
Overview of NASP nozzle research
12 p1836 N91-20093
A comparison of CFD predictions and experimental results for a Mach 5 inlet 12 p1836 N91-20094
Internal fluid mechanics research
12 p1837 N91-20095
Inlets, ducts, and nozzles 12 p1837 N91-20096
Turbomachinery 12 p1837 N91-20097
Chemical reacting flows 12 p1837 N91-20098
Instrumentation and controls overview
12 p1837 N91-20099
Propulsion instrumentation research
12 p1838 N91-20100
High temperature electronics
12 p1838 N91-20101
Fiber-optic-based controls 12 p1838 N91-20102
Advanced aeropropulsion controls technology
12 p1838 N91-20103
Overview of structures research
12 p1838 N91-20104
Propulsion aeroelasticity, vibration control, and dynamic system modeling 12 p1838 N91-20105
Computational simulation of propulsion structures performance and reliability 12 p1839 N91-20106
Transition-to-practice technologies for brittle materials
12 p1839 N91-20107
Progress in modeling deformation and damage
12 p1839 N91-20108
Overview of Lewis materials research: Contributions, current efforts, and future directions
12 p1839 N91-20109
Advanced high temperature engine materials technology program 12 p1839 N91-20110
Computational materials science. An example: Numerical modeling of chemical vapor deposition processing of advanced fibers 12 p1840 N91-20111
Overview of rotorcraft and general aviation propulsion technology 12 p1840 N91-20112
Turbomachinery and combustor technology for small engines 12 p1840 N91-20113
Rotary engine technology 12 p1840 N91-20114
Overview of subsonic transport propulsion technology
12 p1840 N91-20116
Ultra-high bypass research 12 p1841 N91-20117
High-efficiency core technology
12 p1841 N91-20118
Multidisciplinary research overview (IHPTET/NPSS)
12 p1841 N91-20119
NASA's aircraft icing technology program
12 p1841 N91-20120
Recent advances in Lewis aeropropulsion facilities
12 p1841 N91-20121
IMPAC: An Integrated Methodology for Propulsion and Airframe Control
[NASA-TM-103805] 12 p1841 N91-20122
Performance of a high-work, low-aspect-ratio turbine stator tested with a realistic inlet radial temperature gradient
[NASA-TM-103738] 12 p1842 N91-20126
A method for partitioning centralized controllers
[NASA-TM-4276] 12 p1843 N91-20133
Designs for the ATDRSS tri-band reflector antenna
[NASA-TM-103754] 12 p1853 N91-20184
Effects of dust accumulation and removal on radiators surfaces on Mars
[NASA-TM-103704] 12 p1858 N91-20204
Computer code for single-point thermodynamic analysis of hydrogen/oxygen expander-cycle rocket engines
[NASA-TM-4275] 12 p1858 N91-20206
Isothermal fatigue behavior of a (90)(sub 8) SiC/Ti-15-3 composite at 426 C
[NASA-TM-103686] 12 p1862 N91-20228
Thermomechanical and bithermal fatigue behavior of cast B1900 + Hf and wrought Haynes 188
[NASA-TM-4225] 12 p1869 N91-20268
Self-pressurization of a flightweight liquid hydrogen storage tank subjected to low heat flux
[NASA-TM-103804] 12 p1878 N91-20324
Heteroepitaxial InP solar cells on Si and GaAs substrates
[NASA-TM-103696] 12 p1890 N91-20392
Near-field antenna testing using the Hewlett Packard 8510 automated network analyzer
[NASA-TM-103699] 12 p1890 N91-20393
A seven patch hexagonal CP subarray with a CPW/stripline feed network
[NASA-TM-103802] 12 p1892 N91-20406
A finite element model of conduction, convection, and phase change near a solid/melt interface
[NASA-TM-103721] 12 p1894 N91-20417
Turbulent fluid motion. Part 1: The phenomenon of fluid turbulence
[NASA-TM-103723] 12 p1899 N91-20445
Software manual for operating particle displacement tracking data acquisition and reduction system
[NASA-TM-103720] 12 p1901 N91-20453
A model for the space shuttle main engine high pressure oxidizer turbopump shaft seal system
[NASA-TM-103697] 12 p1906 N91-20489
An assessment of the Space Station Freedom program's leakage current requirement
[NASA-CR-187077] 12 p1932 N91-20630
Autonomous power expert system advanced development 12 p1943 N91-20689
The environment workbench: A design tool for Space Station Freedom 12 p1950 N91-20727
Findings of the Joint Workshop on Evaluation of Impacts of Space Station Freedom Ground Configurations
12 p1950 N91-20728
Atomic oxygen interaction with solar array blankets at protective coating defect sites 12 p1951 N91-20732
The effect of atomic oxygen on polysiloxane-polyimide for spacecraft applications in low Earth orbit
12 p1951 N91-20735
Efficient computation of aerodynamic influence coefficients for aeroelastic analysis on a transputer network
[NASA-TM-103671] 12 p1954 N91-20748
ALPS: A Linear Program Solver
[NASA-TM-104347] 12 p1957 N91-20765
Accurate monotone cubic interpolation
[NASA-TM-103789] 12 p1969 N91-20830
Compressible flows with periodic vortical disturbances around lifting airfoils
[NASA-TM-103742] 13 p2011 N91-21060
Experimental study of boundary layer transition on a heated flat plate
[NASA-TM-103779] 13 p2011 N91-21061
Computational Fluid Dynamics Symposium on Aeropropulsion
[NASA-CP-3078] 13 p2012 N91-21062
A finite-difference, frequency-domain numerical scheme for the solution of the linearized unsteady Euler equations 13 p2012 N91-21067
Simulation of turbomachinery flows
13 p2013 N91-21069
Transonic cascade flow calculations using non-periodic C-type grids 13 p2013 N91-21071
Implicit solution of three-dimensional internal turbulent flows 13 p2015 N91-21082
Numerical investigation of an internal layer in turbulent flow over a curved hill 13 p2015 N91-21083
Heat transfer, velocity-temperature correlation, and turbulent shear stress from Navier-Stokes computations of shock wave/turbulent boundary layer interaction flows
13 p2015 N91-21085
Dynamics of local grid manipulations for internal flow problems 13 p2016 N91-21090
The 3D computation of single-expansion-ramp and scramjet nozzles 13 p2016 N91-21092
An experimental comparison of nonswirling and swirling flow in a circular-to-rectangular transition duct
[NASA-TM-104359] 13 p2020 N91-21115
Hot gas ingestion test results of a two-poster vectored thrust concept with flow visualization in the NASA Lewis 9- x 15-foot low speed wind tunnel
[NASA-TM-103258] 13 p2020 N91-21116
Integrated flight/propulsion control system design based on a decentralized, hierarchical approach
[NASA-TM-103678] 13 p2025 N91-21137
Integrated flight/propulsion control design for a STOVL aircraft using H-infinity control design techniques
[NASA-TM-104340] 13 p2025 N91-21140
Fire suppression in human-crew spacecraft
[NASA-TM-104334] 13 p2033 N91-21182
GaAs monolithic RF modules for SARSAT distress beacons
[NASA-TM-104338] 13 p2034 N91-21184
A new fabrication method for precision antenna reflectors for space flight and ground test
[NASA-TP-3078] 13 p2034 N91-21185
Magnetic bearings with zero bias
13 p2035 N91-21194
Microgravity vibration isolation: An optimal control law for the one-dimensional case 13 p2037 N91-21206
Cooling of in-situ propellant rocket engines for Mars mission
[NASA-TM-103729] 13 p2042 N91-21233
Power technologies and the space future
[NASA-TM-103649] 13 p2043 N91-21240
Mechanical behavior of fiber reinforced SiC/RBSN ceramic matrix composites: Theory and experiment
[NASA-TM-103688] 13 p2044 N91-21243
Mechanical strength and thermophysical properties of PM212: A high temperature self-lubricating powder metallurgy composite
[NASA-TM-103694] 13 p2054 N91-21302
Hydrocarbon-fuel/combustion-chamber-liner materials compatibility
[NASA-CR-187104] 13 p2055 N91-21307
A simple test for thermomechanical evaluation of ceramic fibers
[NASA-TM-103767] 13 p2055 N91-21309
An examination of anticipated g-jitter on space station and its effects on materials processes
[NASA-TM-103775] 13 p2066 N91-21378
Optimal design study of high efficiency indium phosphide space solar cells
[NASA-TM-103763] 13 p2076 N91-21433
CFD for hypersonic propulsion
[NASA-TM-103791] 13 p2078 N91-21447
On the anomaly of velocity-pressure decoupling in collocated mesh solutions
[NASA-TM-103769] 13 p2078 N91-21448
Application of computational fluid dynamics in high speed aeropropulsion
[NASA-TM-103780] 13 p2080 N91-21458
Advanced rotorcraft transmission program
[NASA-TM-103276] 13 p2094 N91-21531
Effects of gear box vibration and mass imbalance on the dynamics of multi-stage gear transmissions
[NASA-TM-103695] 13 p2095 N91-21534
Fully articulated four-point-bend loading fixture
[NASA-CASE-LEW-14776-1] 13 p2096 N91-21540
Spatial variations in ac susceptibility and microstructure for the YBa2Cu3O(7-x) superconductor and their correlation with room-temperature ultrasonic measurements
[NASA-TM-103787] 13 p2099 N91-21553
Elastic response of zone axis (001)-oriented PWA 1480 single crystal: The influence of secondary orientation
[NASA-TM-103782] 13 p2100 N91-21558
Applications of artificial neural nets in structural mechanics
[NASA-TM-102420] 13 p2100 N91-21559

HITCAN for actively cooled hot-composite thermostructural analysis
[NASA-TM-103750] 13 p2101 N91-21562
Asymptotic integration algorithms for nonhomogeneous, nonlinear, first order, ordinary differential equations
[NASA-TM-103793] 13 p2143 N91-21797
Fiber optic sensing system
[NASA-CASE-LEW-14795-1] 13 p2153 N91-21871
The series Bi2Sr2Ca(n-1) Cu(n)O(2n+4) (1 less than or equal to n less than or equal to 5): Phase stability and superconducting properties
[NASA-TM-103749] 13 p2160 N91-21910
Numerical flux formulas for the Euler and Navier-Stokes equations. 2: Progress in flux-vector splitting
[NASA-TM-104353] 14 p2188 N91-22084
Application of mixing-controlled combustion models to gas turbine combustors
[NASA-TM-103236] 14 p2195 N91-22126
Life extending control: A concept paper
[NASA-TM-104391] 14 p2197 N91-22135
Vision-21: Space Travel for the Next Millennium
[NASA-CP-10059] 14 p2198 N91-22139
Exploring the notion of space coupling propulsion
14 p2202 N91-22161
Reactionless propulsion using tethers
14 p2202 N91-22163
Design strategies for the International Space University's variable gravity research facility
14 p2204 N91-22171
The theory of an auto-resonant field emission cathode relativistic electron accelerator for high efficiency microwave to direct current power conversion
14 p2204 N91-22176
Applications of thin film technology toward a low-mass solar power satellite 14 p2205 N91-22179
Evaluation of thermal control coatings for use on solar dynamic radiators in low Earth orbit
[NASA-TM-104335] 14 p2235 N91-22367
Findings of the Joint Workshop on Evaluation of Impacts of Space Station Freedom Ground Configurations
[NASA-TM-103717] 14 p2236 N91-22370
Future mission opportunities and requirements for advanced space photovoltaic energy conversion technology
[NASA-TM-103661] 14 p2236 N91-22371
Effect of LEO cycling on 125 Ah advanced design IPV nickel-hydrogen flight cells. An update
[NASA-TM-104384] 14 p2237 N91-22375
Effect of KOH concentration on LEO cycle life of IPV nickel-hydrogen flight cells. An update
[NASA-TM-104383] 14 p2237 N91-22376
Viscoelastic properties of addition-cured polyimides used in high temperature polymer matrix composites
[NASA-TM-103768] 14 p2238 N91-22377
Tribological characteristics of silicon carbide whisker-reinforced alumina at elevated temperatures
[NASA-TM-103799] 14 p2238 N91-22379
Solid lubricants
[NASA-TM-102803] 14 p2241 N91-22396
In-situ x-ray monitoring of damage accumulation in SiC/RBSN tensile specimens
[NASA-TM-103733] 14 p2241 N91-22402
Synthesis and thermal properties of strontium and calcium peroxides
[NASA-TM-103725] 14 p2243 N91-22410
Structural design methodologies for ceramic-based material systems
[NASA-TM-103097] 14 p2252 N91-22460
Mechanisms and modeling of the effects of additives on the nitrogen oxides emission
[NASA-TM-103765] 14 p2253 N91-22464
A statistical rain attenuation prediction model with application to the advanced communication technology satellite project. 3: A stochastic rain fade control algorithm for satellite link power via non linear Markow filtering theory
[NASA-TM-100243] 14 p2258 N91-22494
High temperature power electronics for space
[NASA-TM-104375] 14 p2261 N91-22508
Second order modeling of boundary-free turbulent shear flows
[NASA-TM-104369] 14 p2264 N91-22524
Characteristics of 3D turbulent jets in crossflow
[NASA-TM-104337] 14 p2266 N91-22536
Comparison of analysis and experiment for dynamics of low-contact-ratio spur gears
[NASA-TM-103232] 14 p2271 N91-22566
High temperature performance evaluation of a hypersonic engine ceramic wafer seal
[NASA-TM-103737] 14 p2271 N91-22567
Evaluation of advanced lubricants for aircraft applications using gear surface fatigue tests
[NASA-TM-104336] 14 p2271 N91-22568
Contact stresses in gear teeth: A new method of analysis
[NASA-TM-104397] 14 p2272 N91-22570
Development of braided rope seals for hypersonic engine applications. Part 2: Flow modeling
[NASA-TM-104371] 14 p2272 N91-22571
Analysis of some compliance calibration data for chevron-notch bar and rod specimens
[NASA-TM-104367] 14 p2277 N91-22594
The dynamic effects of internal robots on Space Station Freedom
[NASA-TM-104345] 14 p2279 N91-22604
RSM 1.0 user's guide: A resupply scheduler using integer optimization
[NASA-TM-104380] 14 p2310 N91-22766
Techniques and implementation of the embedded rule-based expert system using Ada
14 p2315 N91-22788
A new flux splitting scheme
[NASA-TM-104404] 14 p2320 N91-22814
Development of silicon carbide semiconductor devices for high temperature applications
[NASA-TM-104398] 14 p2337 N91-22921
Adaptation of NASA technology for the optimization of orthopedic knee implants 14 p2356 N91-23032
Industrial applications of graphite fluoride fibers
14 p2357 N91-23040
Dual ion beam processed diamondlike films for industrial applications 14 p2358 N91-23042
The PM-200 lubrication system
14 p2358 N91-23044
Reliability and risk assessment of structures
14 p2359 N91-23050
Civil air transport: A fresh look at power-by-wire and fly-by-light 14 p2359 N91-23053
Solar powered Stirling cycle electrical generator
14 p2360 N91-23054
Four quadrant control of induction motors
14 p2360 N91-23055
Research and technology
[NASA-TM-103759] 14 p2362 N91-23072
NASA aeropropulsion research in support of propulsion systems of the 21st century
[NASA-TM-104403] 15 p2364 N91-23083
Simulation of iced wing aerodynamics
[NASA-TM-104362] 15 p2365 N91-23086
Icing simulation: A survey of computer models and experimental facilities
[NASA-TM-104366] 15 p2365 N91-23087
A study of three dimensional turbulent boundary layer separation and vortex flow control using the reduced Navier Stokes equations
[NASA-TM-104407] 15 p2365 N91-23089
Engine technology challenges for a 21st century high speed civil transport
[NASA-TM-104363] 15 p2367 N91-23098
Characteristics of a future aeronautical satellite communications system
[NASA-TM-104389] 15 p2368 N91-23102
Computational modeling and validation for hypersonic inlets 15 p2378 N91-23162
Effects of inlet distortion on the development of secondary flows in a subsonic axial inlet compressor rotor
[NASA-TM-104356] 15 p2381 N91-23179
Multi-heat addition turbine engine
[NASA-CASE-LEW-15094-1] 15 p2381 N91-23180
Advanced ice protection systems test in the NASA Lewis icing research tunnel
[NASA-TM-103757] 15 p2382 N91-23183
Model rotor icing tests in the NASA Lewis icing research tunnel
[NASA-TM-104351] 15 p2382 N91-23184
A CFD study of jet mixing in reduced flow areas for lower combustor emissions
[NASA-TM-104411] 15 p2382 N91-23185
A three-dimensional Navier-Stokes stage analysis of the flow through a compact radial turbine
[NASA-TM-104420] 15 p2382 N91-23186
Destructive physical analysis results of Ni/H2 cells cycled in LEO regime
[NASA-TM-104382] 15 p2391 N91-23233
Component technology for stirling power converters
[NASA-TM-104387] 15 p2391 N91-23234
Combined thermal and bending fatigue of high-temperature metal-matrix composites: Computational simulation
[NASA-TM-104354] 15 p2393 N91-23247
Mechanical behavior and failure phenomenon of an in situ-toughened silicon nitride
[NASA-TM-103741] 15 p2404 N91-23311
A simplified dynamic model of the Space Shuttle main engine
[NASA-TM-104421] 15 p2409 N91-23340
An assessment of technology alternatives for telecommunications and information management for the space exploration initiative
[NASA-TM-103783] 15 p2410 N91-23347
System-Level Integrated Circuit (SLIC) development for phased array antenna applications
[NASA-TM-104392] 15 p2412 N91-23354
Simulation of brush insert for leading-edge-passage convective heat transfer
[NASA-TM-103801] 15 p2421 N91-23409
Low Reynolds number two-equation modeling of turbulent flows
[NASA-TM-104368] 15 p2422 N91-23416
A system-approach to the elastohydrodynamic lubrication point-contact problem
[NASA-TM-104342] 15 p2426 N91-23439
Method of producing a plug type heat flux gauge
[NASA-CASE-LEW-14967-2] 15 p2430 N91-23460
Effects of rim thickness on spur gear bending stress
[NASA-TM-104388] 15 p2437 N91-23500
Government/industry response to questionnaire on space mechanisms/tribology technology needs
[NASA-TM-104358] 15 p2437 N91-23501
Quantifying oil filtration effects on bearing life
[NASA-TM-104350] 15 p2439 N91-23512
Modal analysis of multistage gear systems coupled with gearbox vibrations
[NASA-TM-103797] 15 p2439 N91-23513
Maximum life spur gear design
[NASA-TM-104361] 15 p2439 N91-23514
Evaluation and ranking of candidate ceramic wafer engine seal materials
[NASA-TM-103795] 15 p2439 N91-23515
A preliminary investigation of acousto-ultrasonic NDE of metal matrix composite test specimens
[NASA-TM-104339] 15 p2441 N91-23521
Computational simulation of acoustic fatigue for hot composite structures
[NASA-TM-104379] 15 p2446 N91-23548
Simulation of probabilistic wind loads and building analysis
[NASA-TM-103744] 15 p2446 N91-23549
Incorporating finite element analysis into component life and reliability
[NASA-TM-104400] 15 p2446 N91-23550
Material processing with hydrogen and carbon monoxide on Mars
[NASA-TM-104405] 15 p2457 N91-23616
Solar thermal energy receiver
[NASA-CASE-LEW-14949-1] 15 p2457 N91-23617
SEI rover solar-electrochemical power system options
[NASA-TM-104402] 15 p2458 N91-23620
Advances in silicon carbide Chemical Vapor Deposition (CVD) for semiconductor device fabrication
[NASA-TM-104410] 15 p2516 N91-23946
Silicon carbide, an emerging high temperature semiconductor 15 p2538 N91-24061
Flexible fluoropolymer filled protective coatings
15 p2539 N91-24062
Digital CODEC for real-time processing of broadcast quality video signals at 1.8 bits/pixel
15 p2539 N91-24067
Microwave integrated circuits for space applications
15 p2540 N91-24069
Aerospace applications of high temperature superconductivity 15 p2541 N91-24080
Superconducting microwave electronics at Lewis Research Center 15 p2541 N91-24081
Euler flow predictions for an oscillating cascade using a high resolution wave-split scheme
[NASA-TM-104377] 16 p2546 N91-24107
Three-dimensional Euler time accurate simulations of fan rotor-stator interactions
[NASA-TM-102528] 16 p2549 N91-24124
The 3-D Navier-Stokes analysis of crossing, glancing shocks/turbulent boundary layer interactions
[NASA-TM-104469] 16 p2550 N91-24130
A design strategy for the use of vortex generators to manage inlet-engine distortion using computational fluid dynamics
[NASA-TM-104436] 16 p2550 N91-24131
Static performance tests of a flight-type STOVL ejector
[NASA-TM-104437] 16 p2560 N91-24201
Mixing of multiple jets with a confined subsonic crossflow. Summary of NASA-supported experiments and modeling
[NASA-TM-104412] 16 p2561 N91-24202
Fuel-rich, catalytic reaction experimental results
[NASA-TM-104423] 16 p2561 N91-24203
Environmental interactions of the Space Station Freedom electric power system
[NASA-TM-104373] 16 p2566 N91-24225
Design of multihundredwatt DIPS for robotic space missions
[NASA-TM-104401] 16 p2568 N91-24232
Advanced launch vehicle upper stages using liquid propulsion and metallized propellants
16 p2572 N91-24257

A three-dimensional turbulent heat transfer analysis for advanced tubular rocket thrust chambers
16 p2573 N91-24258
The COLD-SAT experiment for cryogenic fluid management technology 16 p2573 N91-24263
Investigation of the arcjet near field plume using electrostatic probes 16 p2575 N91-24270
Arcjet nozzle area ratio effects
16 p2575 N91-24271
A dual-cooled hydrogen-oxygen rocket engine heat transfer analysis
[NASA-TM-104430] 16 p2580 N91-24302
Carbon monoxide and oxygen combustion experiments: A demonstration of Mars in situ propellants
[NASA-TM-104473] 16 p2580 N91-24303
Launch vehicle performance using metallized propellants
[NASA-TM-104456] 16 p2581 N91-24304
In-situ propellant rocket engines for Mars mission ascent vehicle
[NASA-TM-104429] 16 p2581 N91-24305
Structural Integrity and Durability of Reusable Space Propulsion Systems
[NASA-CP-10030] 16 p2581 N91-24307
Overview of the fatigue/fracture/life working group program at the Lewis Research Center
16 p2581 N91-24308
Tensile and fatigue behavior of tungsten/copper composites 16 p2582 N91-24311
Cumulative creep fatigue damage in 316 stainless steel 16 p2582 N91-24312
Fatigue behavior of a single-crystal superalloy
16 p2582 N91-24313
Overview of the instrumentation program
16 p2583 N91-24318
Two-dimensional high temperature strain measurement system 16 p2584 N91-24319
Optical inspection of space-propulsion components using an injection seeded Nd:YAG laser system
16 p2584 N91-24320
Calibrator tests of heat flux gauges mounted in SSME blades 16 p2584 N91-24321
Thin-film sensors for space propulsion technology: Fabrication and preparation for testing
16 p2585 N91-24324
Probabilistic structural analysis: Introductory remarks
16 p2585 N91-24326
Overview of aerothermodynamic loads definition study
16 p2586 N91-24334
An unconditionally stable Runge-Kutta method for unsteady rotor-stator interaction
16 p2587 N91-24337
Average-passage flow model development
16 p2587 N91-24338
Determination of alloy content from plume spectral measurements
[NASA-TM-104442] 16 p2588 N91-24341
Application of artificial neural networks to composite ply micromechanics
[NASA-TM-104365] 16 p2589 N91-24345
Increased heat transfer to a cylindrical leading edge due to spanwise variations in the freestream velocity
[NASA-TM-104464] 16 p2591 N91-24359
High temperature tension-compression fatigue behavior of a tungsten copper composite
[NASA-TM-104370] 16 p2591 N91-24360
A comparison of fiber effects on polymer matrix composite oxidation
[NASA-TM-104416] 16 p2591 N91-24361
A pressure control analysis of cryogenic storage systems
[NASA-TM-104409] 16 p2611 N91-24460
Microgravity research at LeRC
[NASA-TM-102521] 16 p2613 N91-24464
Alpha-canonical form representation of the open loop dynamics of the Space Shuttle main engine
[NASA-TM-104422] 16 p2613 N91-24469
LN2 spray droplet size measurement via ensemble diffraction technique
[NASA-TM-104443] 16 p2614 N91-24470
Advances in modeling the pressure correlation terms in the second moment equations
[NASA-TM-104413] 16 p2623 N91-24525
Paramagnetic propellant orientation
[NASA-TM-104390] 16 p2623 N91-24527
Navier-Stokes simulation of the supersonic combustion flowfield in a ram accelerator
[NASA-TM-104439] 16 p2626 N91-24541
Ground testing on the nonvented fill method of orbital propellant transfer: Results of initial test series
[NASA-TM-104444] 16 p2627 N91-24547
A numerical study of the direct contact condensation on a horizontal surface
[NASA-TM-104432] 16 p2627 N91-24548
Scaling analysis applied to the NORVEX code development and thermal energy flight experiment
[NASA-TM-104462] 16 p2627 N91-24549
Comparison of SMAC, PISO, and iterative time-advancing schemes for unsteady flows
[NASA-TM-104406] 16 p2627 N91-24550
Comparison of Weibull strength parameters from flexure and spin tests of brittle materials
[NASA-TM-104414] 16 p2636 N91-24593
Probability approach for strength calculations
16 p2646 N91-24652
Localization of aeroelastic modes in mistuned high-energy turbines
[NASA-TM-104445] 16 p2648 N91-24659
Modeling of crack bridging in a unidirectional metal matrix composite
[NASA-TM-104355] 16 p2648 N91-24660
Parallel computing using a Lagrangian formulation
[NASA-TM-104446] 16 p2665 N91-24745
The development of a post-test diagnostic system for rocket engines
[NASA-TM-104463] 16 p2672 N91-24787
Enhancing aeropropulsion research with high-speed interactive computing
[NASA-TM-104374] 16 p2673 N91-24796
Sensor failure detection and recovery by neural networks
[NASA-TM-104484] 16 p2677 N91-24815
The L sub 1 finite element method for pure convection problems
[NASA-TM-103773] 16 p2677 N91-24817
Institute for Computational Mechanics in Propulsion (ICOMP)
[NASA-TM-103790] 16 p2677 N91-24818
Balancing reliability and cost to choose the best power subsystem
[NASA-TM-104453] 16 p2700 N91-24952
Atomic oxygen undercutting of LDEF aluminized Kapton multilayer insulation 16 p2715 N91-25027
Atomic oxygen interactions with FEP Teflon and silicones on LDEF 16 p2715 N91-25029
Ion beam textured and coated surfaces experiment (IBEX) 16 p2717 N91-25040
Advanced photovoltaic experiment, S0014: Preliminary flight results and post-flight findings
16 p2720 N91-25061
Durability evaluation of photovoltaic blanket materials exposed on LDEF tray S1003 16 p2720 N91-25062
Evaluation of panel code predictions with experimental results of inlet performance for a 17-inch ducted prop/fab simulator operating at Mach 0.2
[NASA-TM-104428] 17 p2728 N91-25106
The design/analysis of flows through turbomachinery: A viscous/inviscid approach
[NASA-TM-104447] 17 p2736 N91-25148
Thermal performance of a liquid hydrogen tank multilayer insulation system at warm boundary temperatures of 630, 530, and 152 R
[NASA-TM-104476] 17 p2739 N91-25159
Preliminary thermal design of the COLD-SAT spacecraft
[NASA-TM-104440] 17 p2739 N91-25161
Power electronics for low power arcjets
[NASA-TM-104459] 17 p2741 N91-25172
Sensible heat receiver for solar dynamic space power system
[NASA-TM-104393] 17 p2742 N91-25173
Experimental and analytical studies of flow through a ventral and axial exhaust nozzle system for STOVL aircraft
[NASA-TM-104364] 17 p2742 N91-25175
Nuclear rocket propulsion. NASA plans and progress, FY 1991
[NASA-TM-104455] 17 p2743 N91-25179
Small Stirling dynamic isotope power system for multihundred-watt robotic missions
[NASA-TM-104460] 17 p2743 N91-25182
Effects of windblown dust on photovoltaic surface s on Mars
[NASA-TM-104448] 17 p2744 N91-25183
Full-size solar dynamic heat receiver thermal-vacuum tests
[NASA-TM-104486] 17 p2744 N91-25184
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-4] 17 p2744 N91-25185
Quality control of the tribological coating PS212
[NASA-TM-102067] 17 p2744 N91-25186
Tensile deformation damage in SiC reinforced Ti-15V-3Cr-3Al-3Sn
[NASA-TM-103620] 17 p2746 N91-25195
Microfracture in high temperature metal matrix crossply laminates
[NASA-TM-104381] 17 p2747 N91-25198
Heat transfer device
[NASA-CASE-LEW-14162-2] 17 p2747 N91-25201
Method of applying a thermal barrier coating system to a substrate
[NASA-CASE-LEW-15020-2] 17 p2747 N91-25202
Long term isothermal aging and thermal analysis of N-CYCAP polyimides
[NASA-TM-104341] 17 p2761 N91-25286
Arc-textured high emittance radiator surfaces
[NASA-CASE-LEW-14679-1] 17 p2763 N91-25296
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] 17 p2763 N91-25298
Pressurization and expulsion of cryogenic liquids: Generic requirements for a low gravity experiment
[NASA-TM-104417] 17 p2763 N91-25300
Comparative study of bolometric and non-bolometric switching elements for microwave phase shifters
[NASA-TM-104435] 17 p2768 N91-25320
Review and test of childdown methods for space-based cryogenic tanks
[NASA-TM-104458] 17 p2774 N91-25351
Characterization of flow in a scroll duct
[NASA-CR-188612] 17 p2777 N91-25367
Fiber-optic sensors for aerospace electrical measurements: An update
[NASA-TM-104454] 17 p2779 N91-25381
Particle image velocimetry for the surface tension driven convection experiment using a particle displacement tracking technique
[NASA-TM-104482] 17 p2779 N91-25382
Particle displacement tracking applied to air flows
[NASA-TM-104481] 17 p2780 N91-25387
Analytical and experimental study of vibrations in a gear transmission
[NASA-TM-104434] 17 p2782 N91-25395
Acoustical analysis of gear housing vibration
[NASA-TM-103691] 17 p2785 N91-25411
Advanced Rotorcraft Transmission (ART) program-Boeing helicopters status report
[NASA-TM-104474] 17 p2785 N91-25412
Magnetic bearings-state of the art
[NASA-TM-104465] 17 p2785 N91-25413
Probability of failure and risk assessment of propulsion structural components
[NASA-TM-102323] 17 p2790 N91-25436
Fatigue life prediction of an intermetallic matrix composite at elevated temperatures
[NASA-TM-104494] 17 p2791 N91-25442
Stirling machine operating experience
[NASA-TM-104487] 17 p2806 N91-25510
GRID3D-v2: An updated version of the GRID2D/3D computer program for generating grid systems in complex-shaped three-dimensional spatial domains
[NASA-TM-103766] 17 p2830 N91-25630
An autonomous fault detection, isolation, and recovery system for a 20-kHz electric power distribution test bed
[NASA-TM-104344] 17 p2837 N91-25680
A distributed fault-detection and diagnosis system using on-line parameter estimation
[NASA-TM-104433] 17 p2840 N91-25696
High-Order Polynomial Expansions (HOPE) for flux-vector splitting
[NASA-TM-104452] 17 p2847 N91-25739
Development of an analytical tool to study power quality of AC power systems for large spacecraft
[NASA-TM-104451] 17 p2849 N91-25749
Tuned optimization of extended reacting acoustic liners
[NASA-TM-104431] 17 p2860 N91-25817
Plasma gun with coaxial powder feed and adjustable cathode
[NASA-CASE-LEW-14901-1] 17 p2870 N91-25875
Outline of the Solar System: Activities for elementary students
[NASA-TM-104965] 17 p2890 N91-25975
Near-Earth asteroids: Metals occurrence, extraction, and fabrication 17 p2908 N91-26058
Chemical approaches to carbon dioxide utilization for manned Mars missions 17 p2911 N91-26073
Control of an axisymmetric turbulent jet by multi-modal excitation
[NASA-TM-104483] 18 p2922 N91-26121
A study of high speed flows in an aircraft transition duct
[NASA-TM-104449] 18 p2922 N91-26122
CFD analysis of jet mixing in low NOx flametube combustors
[NASA-TM-104466] 18 p2926 N91-26146
Method of injecting fluid propellants into a rocket combustion chamber
[NASA-CASE-LEW-14846-2] 18 p2937 N91-26200
Development and testing of a source subsystem for the supporting development PMAD DC test bed
[NASA-TM-104510] 18 p2938 N91-26202
Investigation of interfacial shear strength in SiC/Si3N4 composites
[NASA-TM-103739] 18 p2943 N91-26233

Polymeric routes to silicon carbide and silicon oxycarbide CMC
[NASA-TM-104372] 18 p2943 N91-26234
Oxidation resistant coatings for titanium alloys and titanium alloy matrix composites
[NASA-CASE-LEW-15155-1] 18 p2966 N91-26375
Method of preparing a thermal barrier coating
[NASA-CASE-LEW-14999-2] 18 p2966 N91-26376
Submicron gate InP power MISFET's with improved output power density at 18 and 20 GHz
18 p2977 N91-26436
Applied high-speed imaging for the icing research program at NASA Lewis Research Center
[NASA-TM-104415] 18 p2987 N91-26490
Removable hand hold
[NASA-CASE-LEW-15196-1] 18 p2995 N91-26543
A reliability and mass perspective of SP-100 Stirling cycle lunar-base powerplant designs
[NASA-TM-103736] 18 p3005 N91-26592
Comparative survey of dynamic analyses of free-piston Stirling engines
[NASA-TM-104491] 18 p3055 N91-26870
A model for the scattering of high-frequency electromagnetic fields from dielectrics exhibiting thermally-activated electrical losses
[NASA-TM-104376] 18 p3055 N91-26872
Process for the controlled growth of single-crystal films of silicon carbide polytypes on silicon carbide wafers
[NASA-CASE-LEW-15222-1] 18 p3070 N91-26966
Process for the homoepitaxial growth of single-crystal silicon carbide films on silicon carbide wafers
[NASA-CASE-LEW-15223-1] 18 p3070 N91-26967
Effects of Martian dust on power system components
18 p3086 N91-27061
Electrical system/environment interactions on the planet Mars 18 p3087 N91-27068
An experimental trace gas investigation of fluid transport and mixing in a circular-to-rectangular transition duct
[NASA-TM-104499] 19 p3100 N91-27129
The NASA Lewis integrated propulsion and flight control simulator
[NASA-TM-105147] 19 p3105 N91-27157
Effect of tabs on the evolution of an axisymmetric jet
[NASA-TM-104472] 19 p3106 N91-27159
Modern CFD applications for the design of a reacting shear layer facility
[NASA-TM-104523] 19 p3107 N91-27164
Analytical combustion/emissions research related to the NASA high-speed research program
[NASA-TM-104521] 19 p3107 N91-27165
Neural network application to aircraft control system design
[NASA-TM-105151] 19 p3107 N91-27167
Furnace for tensile/fatigue testing
[NASA-CASE-LEW-14848-1] 19 p3109 N91-27175
Concentrator testing using projected images
[NASA-TM-104349] 19 p3114 N91-27204
An EMTP system level model of the PMAD DC test bed
[NASA-TM-104515] 19 p3114 N91-27206
The development of test beds to support the definition and evolution of the Space Station Freedom power system
[NASA-TM-104504] 19 p3114 N91-27207
Update on results of SPRE testing at NASA Lewis
[NASA-TM-104425] 19 p3114 N91-27208
Ground test program for a full-size solar dynamic heat receiver
[NASA-TM-104485] 19 p3115 N91-27209
Evolving the SP-100 reactor in order to boost large payloads to GEO and to low lunar orbit via nuclear-electric propulsion
[NASA-TM-104527] 19 p3115 N91-27212
Design considerations for space radiators based on the liquid sheet (LSR) concept
[NASA-TM-105158] 19 p3115 N91-27213
Solar dynamic power for Earth orbital and lunar applications
[NASA-TM-104511] 19 p3116 N91-27214
Sliding wear of self-mated Al2O3-SiC whisker reinforced composites at 23-1200 C
[NASA-TM-104490] 19 p3117 N91-27221
Method of making carbide/fluoride/silver composites
[NASA-CASE-LEW-14902-1] 19 p3121 N91-27244
Matrix plasticity in SiC/Ti-15-3 composite
[NASA-TM-103760] 19 p3122 N91-27247
Prospects for ductility and toughness enhancement of NiAl by ductile phase reinforcement
[NASA-TM-103796] 19 p3135 N91-27324
Autogenous pressurization of cryogenic vessels using submerged vapor injection
[NASA-TM-104516] 19 p3144 N91-27375
A three-dimensional finite-element thermal/mechanical analytical technique for high-performance traveling wave tubes
[NASA-TP-3081] 19 p3154 N91-27436
Ka-band MMIC microstrip array for high rate communications
[NASA-TM-104500] 19 p3154 N91-27437
Electrical characterization of glass, teflon, and tantalum capacitors at high temperatures
[NASA-TM-104517] 19 p3156 N91-27444
Design aspects and comparison between high T(sub c) superconducting coplanar waveguide and microstrip line
[NASA-TM-105142] 19 p3156 N91-27445
Recent progress in InP solar cell research
[NASA-TM-104509] 19 p3156 N91-27447
Coplanar waveguide feeds for phased array antennas
[NASA-TM-104467] 19 p3161 N91-27477
Turbulent fluid motion 2: Scalars, vectors, and tensors
[NASA-TM-103756] 19 p3162 N91-27487
Visualization techniques to experimentally model flow and heat transfer in turbine and aircraft flow passages
[NASA-TM-4272] 19 p3163 N91-27489
Spray measurements of aerothermodynamic effect on disintegrating liquid jets
[NASA-TM-104501] 19 p3167 N91-27510
Research and development of optical measurement techniques for aerospace propulsion research: A NASA Lewis Research Center perspective
[NASA-TM-104418] 19 p3167 N91-27511
High-speed laser anemometry based on spectrally resolved Rayleigh scattering
[NASA-TM-104522] 19 p3169 N91-27521
Computerized inspection of real surfaces and minimization of their deviations
[NASA-TM-103798] 19 p3176 N91-27558
Some preliminary results of brush seal/rotor interference effects on leakage at zero and low RPM using a tapered-plug rotor
[NASA-TM-104396] 19 p3176 N91-27559
High-temperature, flexible, thermal barrier seal
[NASA-CASE-LEW-14672-1] 19 p3176 N91-27560
Quick action clamp
[NASA-CASE-LEW-14887-1] 19 p3176 N91-27561
Surface fatigue life of M50NiL and AISI 9310 spur gears and R C bars
[NASA-TM-104496] 19 p3177 N91-27569
Dynamic measurements of gear tooth friction and load
[NASA-TM-103281] 19 p3178 N91-27570
Ultrasonic evaluation of oxidation and reduction effects on the elastic behavior and global microstructure of YBa2Cu3O7-x
[NASA-TM-104529] 19 p3178 N91-27575
Aeroelastic modal characteristics of mistuned blade assemblies: Mode localization and loss of eigenstructure
[NASA-TM-104519] 19 p3181 N91-27591
Preliminary design of a mobile lunar power supply
[NASA-TM-104471] 19 p3185 N91-27611
Thin solar cell and lightweight array
[NASA-CASE-LEW-14959-1] 19 p3185 N91-27614
From differential to difference equations for first order ODEs
[NASA-TM-104530] 19 p3235 N91-27886
Exponential integration algorithms applied to viscoplasticity
[NASA-TM-104461] 19 p3237 N91-27901
Evaluation of a technique to generate artificially thickened boundary layers in supersonic and hypersonic flows
[NASA-TP-3142] 20 p3280 N91-28136
Advanced cryo propulsion systems
20 p3294 N91-28212
Futuristic systems: Solar and nuclear electric propulsion 20 p3294 N91-28215
Probabilistic structural analysis methods for space transportation propulsion systems
20 p3298 N91-28238
Overall goals 20 p3299 N91-28246
Concurrent engineering 20 p3299 N91-28247
SEI power source alternatives for rovers and other multi-kWe distributed surface applications
[NASA-TM-104360] 20 p3302 N91-28277
Comparison of dynamic isotope power systems for distributed planet surface applications
[NASA-TM-4303] 20 p3303 N91-28278
Apparatus for intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-2] 20 p3304 N91-28289
Elevated-temperature fracture resistances (K(sub IC), R-curves, gamma sub (omega OF)) of monolithic and composite ceramics using chevron-notched, bend tests
[NASA-TM-105090] 20 p3326 N91-28418
Pretreatment of lubricated surfaces with sputtered cadmium oxide
[NASA-CASE-LEW-14474-1] 20 p3327 N91-28423
Slush hydrogen propellant production, transfer, and expulsion studies at the NASA K-Site Facility
[NASA-TM-105191] 20 p3331 N91-28449
Cryogenic transfer options for exploration missions
[NASA-TM-105197] 20 p3347 N91-28538
Nondestructive evaluation tools and experimental studies for monitoring the health of space propulsion systems
[NASA-TM-105164] 20 p3359 N91-28605
Viscoplastic analysis of an experimental cylindrical thrust chamber liner
[NASA-TM-103287] 20 p3362 N91-28622
ASTROP2 users manual: A program for aeroelastic stability analysis of propfans
[NASA-TM-4304] 20 p3363 N91-28627
Description of real-time Ada software implementation of a power system monitor for the Space Station Freedom PMAD DC testbed
[NASA-TM-105157] 20 p3389 N91-28776
Historical perspectives: The role of the NASA Lewis Research Center in the national space nuclear power programs
[NASA-TM-105196] 20 p3448 N91-29138
Progress toward synergistic hypermixing nozzles
[NASA-TM-105169] 21 p3452 N91-29150
Divergence thrust loss calculations for convergent-divergent nozzles: Extensions to the classical case
[NASA-TM-105176] 21 p3458 N91-29181
Experimental study of cross-stream mixing in a cylindrical duct
[NASA-TM-105180] 21 p3459 N91-29187
A linear control design structure to maintain loop properties during limit operation in a multi-nozzle turbofan engine
[NASA-TM-105163] 21 p3460 N91-29188
Calculated performance of the NASA Lewis icing research tunnel
[NASA-TM-105173] 21 p3462 N91-29199
Design issues for propulsion systems using metallized propellants
[NASA-TM-105190] 21 p3466 N91-29220
Numerical propulsion system simulation: An interdisciplinary approach
[NASA-TM-105181] 21 p3466 N91-29221
Production and use of metals and oxygen for lunar propulsion
[NASA-TM-105195] 21 p3466 N91-29222
Pressure measurements in a low-density nozzle plume for code verification
[NASA-TM-105170] 21 p3467 N91-29228
Performance and optimization of a derated ion thruster for auxiliary propulsion
[NASA-TM-105144] 21 p3467 N91-29229
Experimental and analytical comparison of flowfields in a 110 N (25 lbf) H2/O2 rocket
[NASA-TM-105175] 21 p3468 N91-29230
Arcjet thermal characteristics
[NASA-TM-105156] 21 p3468 N91-29231
An analysis of the wear behavior of SiC whisker reinforced alumina from 25 to 1200 C
[NASA-TM-104489] 21 p3468 N91-29235
Microstructural and strength stability of CVD SiC fibers in argon environment
[NASA-TM-103772] 21 p3471 N91-29250
Advanced materials for space nuclear power systems
[NASA-TM-105171] 21 p3479 N91-29298
Thermal emittance enhancement of graphite-copper composites for high temperature space based radiators
[NASA-TM-105178] 21 p3485 N91-29332
Combinatorial FSK modulation for power-efficient high-rate communications
[NASA-TM-105188] 21 p3497 N91-29404
Quaternary pulse position modulation electronics for free-space laser communications
[NASA-TM-104502] 21 p3497 N91-29405
Optical Multiple Access Network (OMAN) for advanced processing satellite applications
[NASA-TM-105167] 21 p3501 N91-29431
Qualitative investigation of cryogenic injected shock dissipation
[NASA-TM-105140] 21 p3516 N91-29525
Effect of two synthetic lubricants on life of AISI 9310 spur gears
[NASA-TM-104352] 21 p3528 N91-29599
Local synthesis and tooth contact analysis of face-milled spiral bevel gears
[NASA-TM-105182] 21 p3528 N91-29600
NDE of ceramics and ceramic composites
[NASA-TM-104520] 21 p3530 N91-29610
High temperature superconductor analog electronics for millimeter-wavelength communications
[NASA-TM-105184] 21 p3592 N91-29982
NASA cryogenic fluid management space experiment efforts, 1960-1990
[NASA-TM-103752] 21 p3608 N91-30073
The Navy/NASA Engine Program (NNEP89): A user's manual
[NASA-TM-105186] 22 p3620 N91-30141

Comparison of a quasi-3D analysis and experimental performance for three compact radial turbines
[NASA-TM-105155] 22 p3621 N91-30142
The NASA Lewis Research Center Internal Fluid Mechanics Facility
[NASA-TM-105187] 22 p3624 N91-30163
Power systems testing
[NASA-TM-104513] 22 p3627 N91-30186
Microanalysis of extended-test xenon hollow cathodes
[NASA-TM-104532] 22 p3631 N91-30202
Space Photovoltaic Research and Technology Conference
[NASA-CP-3121] 22 p3631 N91-30203
A comparative study of p(+)n and n(+)p InP solar cells made by a closed ampoule diffusion
22 p3631 N91-30206
Improvements in contact resistivity and thermal stability of Au-contacted InP solar cells
22 p3632 N91-30207
Grooved surfaces on InP 22 p3632 N91-30208
Effect of dislocations on properties of heteroepitaxial InP solar cells 22 p3632 N91-30209
High resolution electrolyte for thinning InP by anodic dissolution and its applications to EC-V profiling, defect revealing and surface passivation
22 p3632 N91-30210
Key results of the mini-dome Fresnel lens concentrator array development program under recently completed NASA and SDIO SBIR projects
22 p3634 N91-30223
Comparative modeling of InP solar cell structures
22 p3636 N91-30232
A theoretical comparison of the near-optimum design and predicted performance of n/p and p/n indium phosphide homojunction solar cells
22 p3636 N91-30233
Significant reduction in arc frequency biased solar cells: Observations, diagnostics, and mitigation technique(s)
22 p3636 N91-30235
The effects of lunar dust accumulation on the performance of photovoltaic arrays
22 p3637 N91-30238
Rapid thermal cycling of solar array blanket coupons for Space Station Freedom 22 p3637 N91-30239
Low Earth orbital atomic oxygen micrometeoroid, and debris interactions with photovoltaic arrays
22 p3639 N91-30248
Leo space plasma interactions
22 p3639 N91-30249
Preliminary performance and life evaluations of a 2-kW arcjet
[NASA-TM-105149] 22 p3639 N91-30252
On protection of Freedom's solar dynamic radiator from the orbital debris environment. Part 2: Further testing and analyses
[NASA-TM-104514] 22 p3641 N91-30265
Description of the control system design for the SSF PMAD DC testbed
[NASA-TM-105202] 22 p3641 N91-30266
Test and evaluation of load converter topologies used in the Space Station Freedom Power Management and distribution DC test bed
[NASA-TM-105217] 22 p3642 N91-30267
Interphase layer optimization for metal matrix composites with fabrication considerations
[NASA-TM-105166] 22 p3644 N91-30281
The effects of interply damping layers on the dynamic response of composite structures
[NASA-TM-104497] 22 p3644 N91-30282
Equivalent crystal theory of alloys
[NASA-TP-3155] 22 p3651 N91-30318
Measurement techniques for cryogenic Ka-band microstrip antennas
[NASA-TM-105183] 22 p3668 N91-30426
Makeup and uses of a basic magnet laboratory for characterizing high-temperature permanent magnets
[NASA-TM-104508] 22 p3669 N91-30427
Relationship of optical coating on thermal radiation characteristics of nonisothermal cylindrical enclosures
[NASA-TM-104408] 22 p3675 N91-30461
Verification of the proteus two-dimensional Navier-Stokes code for flat plate and pipe flows
[NASA-TM-105160] 22 p3675 N91-30462
Parched elastohydrodynamic lubrication: Instrumentation and procedure
[NASA-TM-104426] 22 p3676 N91-30469
A laser-induced heat flux technique for convective heat transfer measurements in high speed flows
[NASA-TM-105177] 22 p3677 N91-30472
A qualitative view of cryogenic fluid injection into high speed flows
[NASA-TM-105139] 22 p3677 N91-30473
Calculation of a circular jet in crossflow with a multiple-time-scale turbulence model
[NASA-TM-104343] 22 p3677 N91-30476
Ground-based PIV and numerical flow visualization results from the surface tension driven convection experiment
[NASA-TM-105172] 22 p3680 N91-30491
Space mechanisms needs for future NASA long duration space missions
[NASA-TM-105204] 22 p3688 N91-30532
Transmission overhaul estimates for partial and full replacement at repair
[NASA-TM-104395] 22 p3688 N91-30533
How to determine spiral bevel gear tooth geometry for finite element analysis
[NASA-TM-105150] 22 p3689 N91-30537
High temperature NASP engine seals: A technology review
[NASA-TM-104468] 22 p3689 N91-30538
PM200/PS200: Self-lubricating bearing and seal materials for applications to 900 C
[NASA-TM-103776] 22 p3689 N91-30539
Ultrasonic velocity technique for monitoring property changes in fiber-reinforced ceramic matrix composites
[NASA-TM-103806] 22 p3690 N91-30546
Structural design concepts for a multi-megawatt Solar Electric Propulsion (SEP) spacecraft
[NASA-TM-105148] 22 p3694 N91-30565
Fatigue behavior and life prediction of a SiC/Ti-24Al-11Nb composite under isothermal conditions
[NASA-TM-105168] 22 p3694 N91-30566
A comparison of numerical methods for the Rayleigh equation in unbounded domains
[NASA-TM-105179] 22 p3744 N91-30865
A new numerical framework for solving conservation laws: The method of space-time conservation element and solution element
[NASA-TM-104495] 22 p3745 N91-30867
Status of the advanced Stirling conversion system project for 25 kW dish Stirling applications
[NASA-TM-104528] 22 p3770 N91-31023
Experimental investigation of turbulent flow through a circular-to-rectangular transition duct
[NASA-TM-105210] 23 p3785 N91-31106
A high-frequency servosystem for fuel control in hypersonic engines
[NASA-TM-104333] 23 p3797 N91-31178
Jet-A reaction mechanism study for combustion application
[NASA-TM-104441] 23 p3797 N91-31181
The International Space University's variable gravity research facility design
[NASA-TM-105224] 23 p3800 N91-31196
Nonlinear combustion instability model in two- to three-dimensions
[NASA-TM-102381] 23 p3803 N91-31208
Mass comparisons of electric propulsion systems for NSSK of geosynchronous spacecraft
[NASA-TM-105153] 23 p3803 N91-31212
Medium power hydrogen arcjet performance
[NASA-TM-104533] 23 p3804 N91-31216
Advanced power systems for EOS
[NASA-TM-105222] 23 p3804 N91-31217
Thin film, concentrator and multijunction space solar cells: Status and potential
[NASA-TM-104505] 23 p3804 N91-31218
Eccentricity effects on leakage of a brush seal at low speeds
[NASA-TM-105141] 23 p3804 N91-31220
Experimental and analytical analysis of stress-strain behavior in a (90/0 deg)2s, SiC/Ti-15-3 laminate
[NASA-TM-104470] 23 p3807 N91-31235
Technical prospects for utilizing extraterrestrial propellants for space exploration
[NASA-TM-105263] 23 p3821 N91-31318
Low cost, formable, high T(sub c) superconducting wire
[NASA-CASE-LEW-14676-1] 23 p3861 N91-31529
A critical comparison of two-equation turbulence models
[NASA-TM-105237] 23 p3871 N91-31597
Laser interferometric measurement of ion electrode shape and charge exchange erosion
[NASA-TM-105165] 23 p3873 N91-31605
Plug-type heat flux gauge
[NASA-CASE-LEW-14967-1] 23 p3874 N91-31608
Spur-gear optimization using SPUROPT computer program
[NASA-TM-104394] 23 p3880 N91-31648
Recent manufacturing advances for spiral bevel gears
[NASA-TM-104479] 23 p3881 N91-31654
Nickel-hydrogen cell low-Earth life test update
[NASA-TM-105229] 23 p3890 N91-31708
Tuning maps for setpoint changes and load disturbance upsets in a three capacity process under multivariable control
[NASA-TM-104419] 23 p3917 N91-31876
Least-squares solution of incompressible Navier-Stokes equations with the p-version of finite elements
[NASA-TM-105203] 23 p3922 N91-31911
Crystallization and characterization of Y2O3-SiO2 glasses 23 p3930 N91-31962
Near-edge study of gold-substituted YBa2Cu3O(7-delta)
[NASA-TM-105220] 23 p3932 N91-31977
An experimental study of natural and forced modes in an axisymmetric jet
[NASA-TM-105225] 24 p3949 N91-32074
Unsteady flowfield of a propfan at takeoff conditions
[NASA-TM-105223] 24 p3949 N91-32075
Application of an integrated flight/propulsion control design methodology to a STOVL aircraft
[NASA-TM-105254] 24 p3962 N91-32143
Ion beam sputtering in electric propulsion facilities
[NASA-TM-105145] 24 p3966 N91-32158
The NASA cryogenic fluid management technology program plan
[NASA-TM-105256] 24 p3967 N91-32161
MPD thruster technology
[NASA-TM-105242] 24 p3967 N91-32162
Fiber-optic applications for space-based engines
[NASA-TM-105235] 24 p3967 N91-32163
Multimegawatt electric propulsion system design considerations
[NASA-TM-105152] 24 p3967 N91-32164
Orr-Sherby-Dorn creep strengths of the refractory-metal alloys C-103, ASTAR-811C, W-5Re, and W-25Re
[NASA-TM-105228] 24 p3968 N91-32165
Spectroscopic wear detector
[NASA-CASE-LEW-15200-1] 24 p3968 N91-32167
Effect of lightning strike on bromine intercalated graphite fiber/epoxy composites
[NASA-TM-104507] 24 p3970 N91-32177
Integrated mechanics for the passive damping of polymer-matrix composites and composite structures
[NASA-TM-104346] 24 p3971 N91-32181
Progressive fracture in composites subjected to hygrothermal environment
[NASA-TM-105230] 24 p3971 N91-32182
A new approximate sum rule for bulk alloy properties
[NASA-TM-105282] 24 p3975 N91-32204
Theoretical modelling of AFM for bimetallic tip-substrate interactions
[NASA-TM-105280] 24 p3977 N91-32215
Lubrication with sputtered MoS2 films: Principles, operation, limitations
[NASA-TM-105292] 24 p3977 N91-32216
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-2] 24 p3979 N91-32229
Addition polyimides with enhanced processability
[NASA-CASE-LEW-15043-1] 24 p3979 N91-32230
Data compression for full motion video transmission
[NASA-TM-105239] 24 p3983 N91-32247
Millimeter wavelength communications applications for the SEI
[NASA-TM-105275] 24 p3989 N91-32287
Neutron, gamma ray and post-irradiation thermal annealing effects on power semiconductor switches
[NASA-TM-105248] 24 p4008 N91-32410
Comparison of high temperature, high frequency core loss and dynamic B-H loops of two 50 Ni-Fe crystalline alloys and an iron-based amorphous alloy
[NASA-TM-105205] 24 p4008 N91-32412
A laser velocimeter investigation of the normal shock-wave boundary layer interaction
[NASA-TM-105201] 24 p4014 N91-32440
Resonant triad in boundary-layer stability. Part 1: Fully nonlinear interaction
[NASA-TM-105208] 24 p4017 N91-32458
Resonant triad in boundary-layer stability. Part 2: Composite solution and comparison with observations
[NASA-TM-105209] 24 p4017 N91-32459
A k-epsilon modeling of near wall turbulence
[NASA-TM-105238] 24 p4017 N91-32460
Computational simulation of high temperature metal matrix composite behavior
[NASA-TM-104378] 24 p4030 N91-32520
Space Electrochemical Research and Technology
[NASA-CP-3125] 24 p4036 N91-32549
The Au cathode in the system Li2CO3-CO2-CO at 800 to 900 C 24 p4036 N91-32551
Raman spectral observation of a new phase observed in nickel electrodes cycled to failure
24 p4037 N91-32556
Impedances of nickel electrodes cycled in various KOH concentrations 24 p4037 N91-32557
Some recent studies with the solid-ionomer electrochemical capacitor 24 p4038 N91-32562
Performance of a dual anode nickel-hydrogen cell
24 p4038 N91-32563
Status of NASA's Stirling Space Power Converter Program
[NASA-TM-104512] 24 p4039 N91-32569

Cray performance data from five benchmarks
[NASA-TM-105200] 24 p4083 N91-32806
Reliability and cost: A sensitivity analysis
[NASA-TM-105293] 24 p4118 N91-33014
Solar radiation on Mars: Update 1991
[NASA-TM-105216] 24 p4123 N91-33046

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. MARSHALL SPACE FLIGHT CENTER, HUNTSVILLE, AL.

Long-term orbital lifetime predictions
[NASA-TP-3058] 01 p0015 N91-10092
Space Station Freedom Environmental Control and Life Support System (ECLSS) phase 3 simplified integrated test trace contaminant control subsystem performance
[NASA-TM-4202] 01 p0017 N91-10103
Analysis techniques for residual acceleration data
[NASA-TM-103507] 01 p0032 N91-10191
Eddy current inspection of graphite fiber components
[NASA-TM-103514] 01 p0049 N91-10294
Properties of large scale plasma flow during the early stage of the plasmaspheric refilling
[NASA-TM-103446] 01 p0073 N91-10441
Coaligned observations of solar magnetic fields at different heights: MSFC Center director's discretionary fund final report (Project No. 88-10)
[NASA-TM-103516] 01 p0141 N91-10832
Marshall Space Flight Center CFD overview
02 p0144 N91-10843
Analysis of the SSME HPOTP bearing inlet cavity
02 p0150 N91-10877
A combined Eulerian-Lagrangian two-phase analysis of the SSME HPOTP nozzle plug trajectories
02 p0151 N91-10878
Conjugate (solid/fluid) computational fluid dynamics analysis of the space shuttle solid rocket motor nozzle/case and case field joints
02 p0151 N91-10879
Turbine stage aerodynamics and heat transfer prediction 02 p0152 N91-10882
Aeroassist flight experiment aerodynamics and aerothermodynamics 02 p0155 N91-10900
Combined Release and Radiation Effects Satellite (CRRES): Atlas 1 (Atlas/Centaur-69) launch vehicle
[NASA-TM-103460] 02 p0186 N91-11040
Measurement and Characterization of the Acceleration Environment on Board the Space Station
[NASA-CP-3088] 03 p0429 N91-12401
Overview of space station 03 p0429 N91-12402
Desirable limits of accelerative forces in a space-based materials processing facility 03 p0429 N91-12403
Acceleration effects observed in optical data taken in Spacelab 3 FES 03 p0429 N91-12405
Microgravity and its effects on residual motions in fluids 03 p0430 N91-12406
Low-g measurements by NASA
03 p0430 N91-12408
Low-g payload placement constraints for space station 03 p0432 N91-12422
Laser-induced fluorescence of phosphors for remote cryogenic thermometry
[DE91-001733] 05 p0662 N91-13681
Solder dross removal apparatus
[NASA-CASE-MFS-28406-1] 05 p0671 N91-13729
Cantilever clamp fitting
[NASA-CASE-MFS-28328-1] 05 p0671 N91-13731
Test and model correlation of the atmospheric emission photometric imager fiberglass pedestal
[NASA-TM-103515] 05 p0678 N91-13766
An improved exploratory search technique for pure integer linear programming problems
[NASA-TM-103517] 05 p0702 N91-13910
Wide acceptance angle, high concentration ratio, optical collector
[NASA-CASE-MFS-28295-1] 05 p0716 N91-13999
Variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-2] 05 p0733 N91-14096
An infrared jet in Centaurus A (NGC 5128): Evidence for interaction between the active nucleus and the interstellar medium 05 p0749 N91-14175
Central star formation in S0 galaxies
05 p0759 N91-14223
Directional solidification of superalloys
[NASA-CASE-MFS-28314-1] 06 p0808 N91-14462
Electrostatically suspended rotor for angular encoder
[NASA-CASE-MFS-28294-1] 06 p0816 N91-14508
Low-noise nozzle valve
[NASA-CASE-MFS-28383-1] 06 p0826 N91-14563
Turbomachinery rotor support with damping
[NASA-CASE-MFS-28345-1] 06 p0833 N91-14608
System for connecting fluid couplings
[NASA-CASE-MFS-26042-1-SB]
06 p0834 N91-14613
X ray sensitive area detection device
[NASA-CASE-MFS-28232-1] 06 p0874 N91-14835
Piezoelectrostatic generator
[NASA-CASE-MFS-28298-1] 06 p0882 N91-14872
Method of fabricating composite structures
[NASA-CASE-MFS-28390-1] 07 p0971 N91-15333
Metal etching composition
[NASA-CASE-MFS-29576-1] 07 p0978 N91-15368
Dentritic morphology and microsegregation in directionally solidified superalloy, PWA-1480, single crystal: Effect of gravity; center director's discretionary fund report
[NASA-TM-103518] 07 p0982 N91-15391
Water window imaging x ray microscope
[NASA-CASE-MFS-28485-1] 07 p1005 N91-15519
Predicting thunderstorm evolution using ground-based lightning detection networks
[NASA-TM-103521] 07 p1032 N91-15660
Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-1-CU]
07 p1032 N91-15661
The rotating spectrometer: New biotechnology for cell separations
[NASA-TM-103522] 07 p1034 N91-15673
A biosensor for cadmium based on bioconvective patterns
[NASA-TM-103523] 07 p1034 N91-15674
FY 1990 scientific and technical reports, articles, papers, and presentations
[NASA-TM-103520] 07 p1077 N91-15926
Space Station Freedom Toxic and Reactive Materials Handling
[NASA-CP-3085] 07 p1078 N91-15930
Panel summary of recommendations
07 p1078 N91-15931
Space station pressurized laboratory safety guidelines
07 p1079 N91-15937
Design and development of a space station hazardous material system for assessing chemical compatibility
07 p1079 N91-15939
Characteristics of trapped proton anisotropy at Space Station Freedom altitudes
[NASA-CR-184061] 07 p1082 N91-15953
Plate and butt-weld stresses beyond elastic limit, material and structural modeling
[NASA-TP-3075] 08 p1165 N91-16413
NASA/MSFC FY90 Global Scale Atmospheric Processes Research Program Review
[NASA-CP-3093] 08 p1181 N91-16500
Comparison of SSM/I measurements to numerically-simulated cloud and precipitation during ERICA 08 p1181 N91-16501
Observation simulation experiments with regional prediction models 08 p1181 N91-16502
South Pacific convergence zone and global-scale circulations 08 p1182 N91-16503
Global variability of water vapor and condensate from SSM/I 08 p1182 N91-16507
Theoretical and experimental studies of baroclinic processes 08 p1184 N91-16512
Hanging drop crystal growth apparatus
[NASA-CASE-MFS-26061-1] 08 p1236 N91-16815
Paired and Interacting Galaxies: International Astronomical Union Colloquium No. 124
[NASA-CP-3098] 08 p1244 N91-16858
Cargo launch vehicles to low earth orbit
09 p1278 N91-17023
Space transfer vehicle avionics advanced development needs 09 p1278 N91-17026
Systems Engineering and Integration (SE and I)
09 p1279 N91-17032
Further improvements to nozzle boundary layer calculations in BLIMPJ 09 p1299 N91-17130
Liquid behavior at critical and supercritical conditions
09 p1299 N91-17131
Radiation effects on flow characteristics in combustion chambers 09 p1299 N91-17132
Electrochemical studies of corrosion inhibitors
[NASA-TP-3066] 09 p1313 N91-17208
Drop deployment system for crystal growth apparatus
[NASA-CASE-MFS-28422-1] 09 p1320 N91-17250
Current Collection from Space Plasmas
[NASA-CP-3089] 09 p1401 N91-17713
Project LASER: Learning about science, engineering, and research
[NASA-TM-103382] 09 p1424 N91-17836
Second Conference on NDE for Aerospace Requirements
[NASA-CP-3091] 10 p1486 N91-18189
Development and applications of nondestructive evaluation at Marshall Space Flight Center
10 p1487 N91-18190
A damage tolerance comparison of IM7/8551 and IM8G/8553 carbon/epoxy composites
[NASA-TM-103526] 10 p1494 N91-18222
An evaluation of bearings operating in a cryogenic environment with silicon nitride rolling elements
[NASA-TM-103524] 10 p1531 N91-18436
Atmospheric environment for space shuttle (STS-41) launch
[NASA-TM-103525] 11 p1733 N91-19529
A new approach to electrophoresis in space
11 p1755 N91-19653
Protein purification in multicompartment electrolyzers for crystal growth of r-DNA products in microgravity
11 p1757 N91-19665
Intelligent monitoring and diagnosis systems for the Space Station Freedom ECLSS
12 p1942 N91-20683
Augmentation of the space station module power management and distribution breadboard
12 p1942 N91-20685
Atomic oxygen beam source for erosion simulation
12 p1951 N91-20733
Characterization of a 5-eV neutral atomic oxygen beam facility 12 p1952 N91-20736
Detection of the 3.4 micron emission feature in comets P/Brorsen-Metcalf and Okazaki-Levy-Rudenko (1989r) and an observational summary
12 p2005 N91-21032
O-ring gasket test fixture
[NASA-CASE-MFS-28376-1] 13 p2032 N91-21175
A novel method of testing the shear strength of thick honeycomb composites
[NASA-TP-3108] 13 p2044 N91-21242
An evaluation of GTAW-P versus GTA welding of alloy 718
[NASA-TM-103529] 13 p2051 N91-21287
Reluctant glass formers and their applications in optical lens design 13 p2062 N91-21351
GEOSIM: A numerical model for geophysical fluid flow simulation
[NASA-TM-103528] 13 p2079 N91-21450
Wet atmospheric generation apparatus
[NASA-CASE-MFS-28177-1] 13 p2089 N91-21496
Evaluation of bearing configurations using the single bearing tester in liquid nitrogen
[NASA-TM-103527] 13 p2095 N91-21532
Sample holder support for microscopes
[NASA-CASE-MFS-28420-1] 13 p2097 N91-21545
Atmospheric environment for space shuttle (STS-38) launch
[NASA-TM-103530] 13 p2113 N91-21633
The Combined Release and Radiation Effects Satellite (CRRES) program: A unique series of scientific experiments
[NASA-TM-103380] 14 p2284 N91-22629
NASA Marshall Space Flight Center Solar Observatory report, July - September 1990
[NASA-TM-103531] 14 p2343 N91-22951
NASA Marshall Space Flight Center Solar Observatory report, October - December 1990
[NASA-TM-103532] 14 p2343 N91-22952
X ray imaging microscope for cancer research
14 p2356 N91-23030
Monitoring and analysis of data from complex systems
14 p2357 N91-23035
Robotics in space-age manufacturing
14 p2358 N91-23045
Variable polarity arc welding 14 p2358 N91-23046
High pressure water jet cutting and stripping
14 p2358 N91-23047
ROBOSIM, a simulator for robotic systems
14 p2360 N91-23059
FARMS: The Flexible Agricultural Robotics Manipulator 14 p2361 N91-23064
Monitoring and control of atmosphere in a closed environment 14 p2362 N91-23071
Atmospheric turbulence review of space shuttle launches
[NASA-TM-4289] 15 p2388 N91-23215
Parametric study in weld mismatch of longitudinally welded SSME HPFTP inlet
[NASA-TM-103534] 15 p2437 N91-23502
Protein crystal growth tray assembly
[NASA-CASE-MFS-28507-1] 15 p2514 N91-23933
Three-dimensional structure of human serum albumin
15 p2538 N91-24057
Test results of the modified space shuttle main engine at the Marshall Space Flight Center technology test bed facility 16 p2570 N91-24243
Airflow model testing to determine the distribution of hot gas flow and O/F ratio across the space shuttle main engine main injector assembly 16 p2570 N91-24244
Prediction of the thrust performance and the flowfield of liquid rocket engines 16 p2570 N91-24246
Rocket plume spectrometry: A system permitting engine condition monitoring, as applied to the technology test bed engine 16 p2585 N91-24325
Improved sprayable lightweight ablative coating
[NASA-CASE-MFS-28372-1] 16 p2604 N91-24426

Effects of water on the strength of Zerodur
[NASA-TM-103535] 16 p2604 N91-24430
Effect of flange bolt preload on Space Shuttle main engine high pressure oxidizer turbopump housing analysis
[NASA-TM-103536] 16 p2635 N91-24584
An evaluation of the total quality management implementation strategy for the advanced solid rocket motor project at NASA's Marshall Space Flight Center
[NASA-TM-103533] 16 p2638 N91-24599
LDEF attitude measurement using a pinhole camera with a silver/oxygen atom detector 16 p2706 N91-24973
The ionizing radiation environment of LDEF prerecovery predictions 16 p2707 N91-24980
The interactions of atmospheric cosmogenic radionuclides with spacecraft surfaces 16 p2707 N91-24982
Induced radioactivity in LDEF components 16 p2708 N91-24985
Charged particle LET-spectra measurements aboard LDEF 16 p2709 N91-24989
Radiation exposure of LDEF: Initial results 16 p2709 N91-24993
Summary of ionizing radiation analysis on the Long Duration Exposure Facility 16 p2710 N91-24997
Meteoroid/space debris impacts on MSFC LDEF experiments 16 p2710 N91-25000
Meteoroid/space debris impacts on MSFC LDEF experiments 16 p2711 N91-25001
Interactions of atomic oxygen with material surfaces in low Earth orbit: Preliminary results from experiment A0114 16 p2714 N91-25025
Atomic oxygen stimulated outgassing 16 p2715 N91-25026
Thermal control surfaces experiment (S0069) initial materials evaluation 16 p2716 N91-25035
Unusual materials effects observed on the thermal control surfaces experiment (S0069) 16 p2716 N91-25036
Effects of solar radiation on glass 16 p2719 N91-25057
An overview of the first results on the solar array passive LDEF experiment (sample), AO171 16 p2719 N91-25059
Long Duration Exposure Facility: Transverse flat plate heat pipe 16 p2721 N91-25067
Dynamic tester for rotor seals and bearings
[NASA-CASE-MFS-28493-1] 17 p2737 N91-25155
Thermally isolated deployable shield for spacecraft
[NASA-CASE-MFS-28524-1] 17 p2741 N91-25167
Methods of applied dynamics
[NASA-RP-1262] 17 p2765 N91-25303
Apparatus for joining trusses
[NASA-CASE-MFS-28545-1] 17 p2765 N91-25306
Arc/gas electrode
[NASA-CASE-MFS-29766-1] 17 p2771 N91-25335
Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] 17 p2780 N91-25388
GLObal Backscatter Experiment (GLOBE) Pacific survey mission 17 p2793 N91-25452
The advanced microwave precipitation radiometer: A new aircraft radiometer for passive precipitation remote sensing 17 p2797 N91-25469
A PC-based multispectral scanner data evaluation workstation: Application to Daedalus scanners 17 p2797 N91-25471
The use of aircraft-based Thermal Infrared Multispectral Scanner (TIMS) data to measure surface energy budgets on a landscape scale 17 p2798 N91-25477
Airborne coherent continuous wave CO2 Doppler lidars for aerosol backscatter measurement 17 p2798 N91-25480
Atmospheric environment for space shuttle (STS-35) launch
[NASA-TM-103538] 17 p2813 N91-25550
Analysis of lightning field changes produced by Florida thunderstorms
[NASA-TM-103539] 17 p2814 N91-25555
A scheme for bandpass filtering magnetometer measurements to reconstruct tethered satellite skiprope motion
[NASA-TP-3123] 17 p2829 N91-25629
The QDP/PLT user's guide
[NASA-TM-4301] 17 p2837 N91-25682
The dust coma of Comet Austin (1989c1) 17 p2893 N91-25989
Illuminance and luminance distributions of a prototype ambient illumination system for Space Station Freedom
[NASA-TM-103541] 18 p2936 N91-26193
The corrosion protection of 2219-T87 aluminum by anodizing
[NASA-TM-103540] 18 p2956 N91-26312
Control circuitry using electronic emulation of a synchro signal for accurate control of position and rate of rotation for shafts
[NASA-CASE-MFS-28458-1] 18 p2980 N91-26459
Double face sealing device
[NASA-CASE-MFS-28521-1] 18 p2995 N91-26542
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 1: Technical/users manual
[NASA-TM-4268-PT-1] 18 p3016 N91-26654
Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] 18 p3071 N91-26968
NASA's use of FTS2000 services 18 p3078 N91-27018
NASA/SPAN and DOE/ESnet-DECnet transition strategy for DECnet OSI/phase 5 18 p3079 N91-27025
Standard remote manipulator system docking target augmentation for automated docking
[NASA-CASE-MFS-28419-1] 19 p3113 N91-27200
Vacuum vapor deposition: A spinoff of space welding development
[NASA-TM-103542] 19 p3137 N91-27330
Proof test diagrams for Zerodur glass-ceramic
[NASA-TM-103543] 19 p3137 N91-27332
The NASA/MSFC global reference atmospheric model: 1990 version (GRAM-90). Part 2: Program/data listings
[NASA-TM-4268-PT-2] 19 p3202 N91-27697
Ellipsometric measurement of liquid film thickness 19 p3269 N91-28084
A study of microstructural characteristics and differential thermal analysis of Ni-based superalloys 19 p3275 N91-28115
An evaluation of the interfacial bond properties between carbon phenolic and glass phenolic composites 19 p3276 N91-28123
Applications of low lift to drag ratio aerobrakes using angle of attack variation for control
[NASA-TM-103544] 20 p3290 N91-28189
The space exploration initiative 20 p3291 N91-28194
Next generation earth-to-orbit space transportation systems: Unmanned vehicles and liquid/hybrid boosters 20 p3292 N91-28205
Solid rocket propulsion 20 p3293 N91-28206
Advanced launch system 20 p3293 N91-28208
Next generation: In-space transportation system(s) 20 p3293 N91-28211
Materials sub-panel 20 p3299 N91-28245
Liquid rocket engine flight certification 20 p3299 N91-28250
The case for teaming on the ALS-STME program 20 p3301 N91-28269
Space transportation main engine reliability and safety 20 p3302 N91-28271
The effect of stress on hydrogen uptake and desorption by A-286
[NASA-TM-103537] 20 p3313 N91-28341
Resource envelope concepts for mission planning
[NASA-TP-3139] 21 p3464 N91-29209
Whipple bumper shield simulations
[NASA-TM-105089] 21 p3465 N91-29213
The interaction of hydrogen with metal alloys
[NASA-TP-3128] 21 p3482 N91-29318
A simulation of the instrument pointing system for the Astro-1 mission
[NASA-TM-103547] 21 p3605 N91-30061
STS-35 scrub 3 hydrogen leak analysis
[NASA-TM-103548] 22 p3628 N91-30188
Thermal control surfaces experiment flight system performance
[NASA-TM-105036] 22 p3629 N91-30194
Empirical predictions of hypervelocity impact damage to the space station
[NASA-TM-103550] 22 p3728 N91-30751
Multiplexing readout channels in proportional counters
[NASA-TM-103552] 23 p3873 N91-31606
Development of the Burst and Transient Source Experiment (BATSE)
[NASA-RP-1268] 23 p3938 N91-32006
Materials and processes laboratory composite materials characterization task, part 1. Damage tolerance
[NASA-TM-103553] 24 p3971 N91-32185
Electrodeposited zinc-nickel as an alternative to cadmium plating for aerospace application
[NASA-TM-103551] 24 p3977 N91-32217
Lightning protection for shuttle propulsion elements 24 p4051 N91-32630
NASA/MSFC FY91 Global Scale Atmospheric Processes Research Program Review
[NASA-CP-3126] 24 p4056 N91-32660
Global water cycle 24 p4056 N91-32661
Basic studies of baroclinic flows 24 p4056 N91-32662
Climate dynamics experiments using a GCM simulations 24 p4057 N91-32663
MAMS: High resolution atmospheric moisture/surface properties 24 p4057 N91-32664
AMPR/SSMI data comparisons 24 p4057 N91-32665
Atmospheric aerosol and Doppler lidar studies 24 p4057 N91-32666
Global lightning studies 24 p4057 N91-32667
WetNet operations 24 p4058 N91-32668
Interactive access and management for four-dimensional environmental data sets using McIDAS 24 p4058 N91-32670
Research highlights: June 1990 - May 1991 24 p4059 N91-32676
Airborne CW lidar measurements of atmospheric backscatter at 9.1 and 10.6 microns 24 p4059 N91-32677
Computer modeling of pulsed CO2 lasers for lidar applications 24 p4060 N91-32680
Beta measurements 24 p4060 N91-32681
Global temperature variations 24 p4060 N91-32683
WetNet: Using SSM/I data interactively for global distribution of rainfall and precipitable water 24 p4061 N91-32685
The role of the sea-surface temperature distribution on numerically simulated cyclogenesis during ERICA 24 p4061 N91-32688
South Pacific convergence zone and global scale circulations (Jul. 1987 - Jul. 1991). Observational and modeling studies of heat, moisture, precipitation, and global-scale circulation patterns (Jul. 1990 - Jul. 1993) 24 p4062 N91-32691
Lightning to the upper atmosphere: A vertical light pulse from the top of a thunderstorm as seen by a payload bay TV camera of the space shuttle 24 p4067 N91-32720
Rotationally actuated prosthetic helping hand
[NASA-CASE-MFS-28426-1] 24 p4080 N91-32795

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. NATIONAL SPACE TECHNOLOGY LABS., BAY SAINT LOUIS, MS.
The BioHome: A spinoff of space technology 05 p0692 N91-13852

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. PASADENA OFFICE, CA.
Method for providing a polarization filter for processing synthetic aperture radar image data
[NASA-CASE-NPO-17904-1-CU] 05 p0648 N91-13594
Pipeline synthetic aperture radar data compression utilizing systolic binary tree-searched architecture for vector quantization
[NASA-CASE-NPO-17941-1-CU] 05 p0648 N91-13595
Secondary Li battery incorporating 12-crown-4 ether
[NASA-CASE-NPO-17922-1-CU] 05 p0652 N91-13621
Detection of multiple-bit errors from single-ion tracks in integrated circuits
[NASA-CASE-NPO-18075-1-CU] 05 p0652 N91-13622
Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU] 05 p0659 N91-13658
Bilevel shared control for teleoperators
[NASA-CASE-NPO-17800-1-CU] 05 p0670 N91-13724
Composite passive damping struts for large precision structures
[NASA-CASE-NPO-17914-1-CU] 05 p0678 N91-13767
Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU] 05 p0683 N91-13796
Auto and hetero-associative memory using a 2-D optical logic gate
[NASA-CASE-NPO-17997-1-CU] 05 p0698 N91-13888
Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] 05 p0716 N91-13998
Efficient detection and signal parameter estimation with application to high dynamic GPS receiver
[NASA-CASE-NPO-17820-1-CU] 06 p0779 N91-14321
High temperature refractory member with radiation emissive overcoat
[NASA-CASE-NPO-17122-1-CU] 06 p0813 N91-14489
Trellis coded modulation for transmission over fading mobile satellite channel
[NASA-CASE-NPO-16904-2-CU] 06 p0818 N91-14523
Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU] 06 p0821 N91-14536

Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU]
06 p0821 N91-14538

Improved high power/high frequency inductor
[NASA-CASE-NPO-17830-1-CU]
06 p0821 N91-14539

Millimeter-wave monolithic diode-grid frequency multiplier
[NASA-CASE-NPO-17258-1-CU]
06 p0823 N91-14551

Apparatus and method for characterizing the transmission efficiency of a mass spectrometer
[NASA-CASE-NPO-16989-1-CU]
06 p0830 N91-14587

Field induced gap infrared detector
[NASA-CASE-NPO-17526-1-CU]
06 p0830 N91-14588

Multi-fingered robotic hand
[NASA-CASE-NPO-15959-2] 06 p0835 N91-14616

Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU]
06 p0840 N91-14642

Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU]
06 p0863 N91-14772

Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU]
06 p0870 N91-14807

Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU]
06 p0870 N91-14808

Surface modification using low energy ground state ion beams
[NASA-CASE-NPO-17498-1-CU]
06 p0871 N91-14813

Energy efficient continuous flow ash lockhopper
[NASA-CASE-NPO-16985-1-CU]
07 p0988 N91-15423

Remote object configuration/orientation determination
[NASA-CASE-NPO-17436-1-CU]
07 p1004 N91-15512

Tm,Ho:YLF laser end-pumped by a semiconductor diode laser array
[NASA-CASE-NPO-17282-1-CU]
07 p1007 N91-15528

Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU]
07 p1072 N91-15898

Torque sensor having a spoked sensor element support structure
[NASA-CASE-NPO-17461-1-CU]
09 p1338 N91-17350

Cladding for transverse-pumped solid-state laser
[NASA-CASE-NPO-17355-1-CU]
09 p1340 N91-17360

Laterally stacked Schottky diodes for infrared sensor applications
[NASA-CASE-NPO-17426-1-CU]
13 p2076 N91-21434

Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU]
13 p2097 N91-21544

System and method for measuring ocean surface currents at locations remote from land masses using synthetic aperture radar
[NASA-CASE-NPO-17937-1-CU]
13 p2111 N91-21621

Microwave temperature profiler for clear air turbulence prediction
[NASA-CASE-NPO-18115-1-CU]
15 p2465 N91-23662

Obstacle avoidance for redundant robots using configuration control
[NASA-CASE-NPO-17852-1-CU]
15 p2489 N91-23783

Real time pre-detection dynamic range compression
[NASA-CASE-NPO-18098-1-CU]
15 p2507 N91-23890

Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects
[NASA-CASE-NPO-18028-1-CU]
16 p2688 N91-24878

Doppler-corrected differential detection system
[NASA-CASE-NPO-16987-1-CU]
17 p2767 N91-25316

Phase ambiguity resolution for offset QPSK modulation systems
[NASA-CASE-NPO-17853-1-CU]
17 p2767 N91-25318

Fluid-loop reaction system
[NASA-CASE-NPO-17204-1-CU]
17 p2779 N91-25380

Dynamic resource allocation scheme for distributed heterogeneous computer systems
[NASA-CASE-NPO-17197-1-CU]
17 p2839 N91-25693

High-gain AlGaAs/GaAs double heterojunction Darlington phototransistors for optical neural networks
[NASA-CASE-NPO-18101-1-CU]
17 p2864 N91-25841

Method and apparatus for second-rank tensor generation
[NASA-CASE-NPO-17512-1-CU]
18 p3062 N91-26918

Molecules with enhanced electronic polarizabilities based on defect-like states in conjugated polymers
[NASA-CASE-NPO-17633-1-CU]
19 p3143 N91-27372

Flexible thermal apparatus for mounting of thermoelectric cooler
[NASA-CASE-NPO-17806-1-CU]
19 p3146 N91-27385

Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU]
19 p3155 N91-27439

Metal chloride cathode for a battery
[NASA-CASE-NPO-17809-1-CU]
19 p3161 N91-27478

Fiber optic frequency transfer link
[NASA-CASE-NPO-17703-1-CU]
19 p3247 N91-27957

Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU]
19 p3256 N91-28014

Composite flexible blanket insulation
[NASA-CASE-NPO-11907-1-NP]
23 p3807 N91-31236

A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU]
23 p3861 N91-31528

Asymmetric soft-error resistant memory
[NASA-CASE-NPO-17394-1-CU]
23 p3907 N91-31810

Synchronized computational architecture for generalized bilateral control of robot arms
[NASA-CASE-NPO-17401-1-CU]
23 p3918 N91-31885

Method and apparatus for producing microshells
[NASA-CASE-NPO-16635-1-CU]
24 p3981 N91-32240

Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU]
24 p4024 N91-32489

Telerobot control system
[NASA-CASE-NPO-18116-1-CU]
24 p4028 N91-32509

A generalized compliant motion primitive
[NASA-CASE-NPO-18134-1-CU]
24 p4028 N91-32510

Highly parallel computer architecture for robotic computation
[NASA-CASE-NPO-17632-1-CU]
24 p4082 N91-32805

Analog hardware for learning neural networks
[NASA-CASE-NPO-17664-1-CU]
24 p4090 N91-32852

Method and apparatus for phasing segmented mirror arrays
[NASA-CASE-NPO-18095-1-CU]
24 p4102 N91-32923

Feedback controlled optics with wavefront compensation
[NASA-CASE-NPO-18194-1-CU]
24 p4103 N91-32924

Optoelectronic associative memory
[NASA-CASE-NPO-18278-1-CU]
24 p4103 N91-32925

Integrated filter and detector array for spectral imaging
[NASA-CASE-NPO-18317-1-CU]
24 p4103 N91-32926

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. WALLOPS FLIGHT FACILITY, WALLOPS ISLAND, VA.

Heavy rain field measurements
16 p2557 N91-24181

Goodard Space Flight Center/Wallops Flight Facility airborne geoscience support capability
17 p2792 N91-25449

Airborne oceanographic lidar participation in the US Joint Global Ocean Flux Study (JGOFS)
17 p2796 N91-25468

Applying kinematic GPS to airborne laser remote sensing
17 p2798 N91-25475

NATIONAL AEROSPACE LAB., AMSTERDAM (NETHERLANDS).

Mechanical properties and fracture toughness of 8090-T651 plate and 2091 and 8090 sheet
[NRL-MP-88049-4] 01 p0025 N91-10151

The application of trajectory prediction algorithms for planning purposes in the Netherlands ATC-system
02 p0173 N91-10986

Bayesian multi-sensor tracking for advanced air traffic control systems
02 p0177 N91-11003

Short and long fatigue crack growth in 2024-T3 under Fokker 100 spectrum loading
02 p0223 N91-11248

Phase 2 flight simulator mathematical model and data-package, based on flight test and simulation techniques
03 p0315 N91-11763

Satellite navigation in civil aviation
[NLR-TP-89009-U] 04 p0476 N91-12659

Twelfth Plantema memorial lecture on assessment of service load experience
[NLR-TP-89097-U] 04 p0479 N91-12674

Re-assessing the F-16 damage tolerance and durability life of the RNLAF F-16 aircraft
[NLR-TP-89184-U] 04 p0480 N91-12675

Investigation of a semi-empirical method to predict limit cycle oscillations of modern fighter aircraft
06 p0782 N91-14333

Optimization of target pressure distributions
10 p1458 N91-18038

Constrained spanload optimization for minimum drag of multi-lifting-surface configurations
10 p1459 N91-18046

The nonlinear analysis part of B2000: A first evaluation
[NLR-TR-88109-U] 14 p2278 N91-22599

Bayesian estimation for decision-directed stochastic control
[NLR-TP-90039-U] 14 p2321 N91-22818

Matching of PSD-design loads
18 p2929 N91-26157

A measurement system for production flight tests of new aircraft
[NLR-TP-89222-U] 22 p3619 N91-30134

MRVS: A system for measuring, recording and processing flight data
[NLR-MP-88034-U] 22 p3619 N91-30135

High temperature research at NLR
[NLR-MP-88051-U] 22 p3621 N91-30143

A general simulation environment for guided weapon analysis
[NLR-TP-89084-U] 22 p3623 N91-30155

Effects of low bond number liquid motions on spacecraft attiiude
[NLR-TP-89352-U] 22 p3630 N91-30199

Damage tolerance properties of new carbon composites
[NLR-TP-89032-U] 22 p3646 N91-30291

Thermal shock and oxidation resistance of ceramic coatings
[NLR-TP-89085-U] 22 p3654 N91-30339

Computer graphics for fluid flow analysis in CAE
[NLR-TP-89029-U] 22 p3679 N91-30484

A Roe-type scheme for chemically reacting flow in thermal equilibrium
[NLR-TP-89041-U] 22 p3679 N91-30485

Test loops for two-phase thermal management system components
[NLR-TP-90155-U] 22 p3679 N91-30486

A sensor for high-quality two-phase flow
[NLR-MP-88025-U] 22 p3680 N91-30494

Equivalent flexibility modelling: A novel approach towards recursive simulation of flexible spacecraft-manipulator dynamics
[NLR-TP-89293-U] 22 p3689 N91-30542

The static strength of mechanically fastened carbon-epoxy joints without bending
[NLR-TP-89019-U] 22 p3695 N91-30573

Vaiidation of digital simulation methods in CAE
[NLR-TP-89026-U] 22 p3733 N91-30785

Method management for the benefit of large software packages for analysis in CAE
[NLR-TP-89027-U] 22 p3733 N91-30786

Data management for simulations in CAE
[NLR-TP-89028-U] 22 p3733 N91-30787

Application of the PROMISE package for simulation of discrete systems
[NLR-MP-88048-U] 22 p3733 N91-30788

Bayesian track initiation by time-reversion of trajectory models
[NLR-TP-89043-U] 22 p3748 N91-30890

Method base system and executive, tools for management and execution of software systems for CAE
[NLR-TP-89169-U] 22 p3765 N91-30986
Development of ISNaS: An information system for flow simulation in design
[NLR-TP-89025-U] 22 p3768 N91-31012
Development and validation of characteristic boundary conditions for cell-centered Euler flow calculations with a shock-free airfoil
[NLR-TP-89360-U] 23 p3781 N91-31081
A European collaborative investigation of the three-dimensional turbulent shear layers of a swept wing
[NLR-MP-88054-U] 23 p3782 N91-31084
Bayesian multi-sensor tracking for advanced air-traffic control systems
[NLR-MP-88056-U] 23 p3787 N91-31119
Design and testing of a multiblock grid-generation procedure for aircraft design and research
[NLR-TP-89146-U] 23 p3789 N91-31131
Activities report of the National Aerospace Laboratory
[ETN-91-99438] 23 p3789 N91-31132
Flight testing in the Netherlands: An overview
[NLR-MP-88053-U] 23 p3789 N91-31133
Corrosion fatigue crack arrest in aluminium alloys
[NLR-MP-88050-U] 23 p3815 N91-31282
Development of a sensor for high-quality two-phase flow
[NLR-MP-88059-U] 23 p3868 N91-31578
Development of an advanced panel method for complex configurations in subsonic compressible flow; application to the computation of the potential flow through ducts
[NLR-TR-88001-U] 23 p3869 N91-31579
Investigation into the applicability of knowledge engineering
[NLR-TP-89031-U] 23 p3917 N91-31878
Turbulence modelling: Survey of activities in Belgium and The Netherlands, an appraisal of the status and a view on the prospects 24 p4015 N91-32444

NATIONAL AEROSPACE LAB., EMMELOORD (NETHERLANDS).

Acquisition of statistical gust load data by commercial airplanes 18 p2927 N91-26152

NATIONAL AEROSPACE LAB., KAKUDA (JAPAN).

Evaluation of thermomechanical properties of functionally gradient material under high temperature difference 03 p0333 N91-11863
Numerical treatment of laminar flow in curved rectangular channels 04 p0453 N91-12530
Flow and heat transfer in curved pipe 04 p0453 N91-12531
Numerical analysis of heat transfer in a pipe rotating around a perpendicular axis 04 p0454 N91-12532
Numerical simulation of flow between concentric rotating cylinders 04 p0454 N91-12533
Numerical analysis of the flow in rotating straight pipe 04 p0464 N91-12597
Numerical treatment of laminar flow in curved rectangular channels with entrance region 24 p3946 N91-32053
Developing laminar flow and heat transfer in orthogonally rotating square ducts 24 p3946 N91-32054
Flow and heat transfer in a curved annular pipe 24 p3946 N91-32055
Turbulence model calculations on the effects of body forces on turbulent flows in a pipe 24 p3946 N91-32056
Fully developed mixed convection in a horizontal pipe 24 p3946 N91-32057

NATIONAL AEROSPACE LAB., TOKYO (JAPAN).

Characteristics of piping interference elimination unit used in the high-speed wind tunnel test of ASUKA seven percent semi-born prototype
[NAL-TM-588] 01 p0001 N91-10003
Numerical simulation of hypersonic flow around a space plane. Part 3: Analysis of aerothermodynamic heating
[NAL-TR-1027T] 01 p0002 N91-10011
Comparison between the null-collision and time counter direct-simulation Monte Carlo methods: Leading-edge flow
[NAL-TR-1016T] 01 p0003 N91-10012
The establishment and performance test of PAPI (Precision Approach Path Indicator) System for NAL STOL aircraft
[NAL-TM-579] 01 p0006 N91-10030
Application of flight path reconstruction algorithms for flight data of helicopter
[NAL-TM-582] 01 p0006 N91-10031
The actuator for the low-noise STOL test plane flight control system and its development test
[NAL-TM-574] 01 p0007 N91-10038
A consideration on flight paths for microwave-powered airplanes
[NAL-TR-1051] 01 p0009 N91-10053
Practical flight paths for microwave-powered airplanes
[NAL-TR-1052T] 01 p0009 N91-10054
Wind tunnel test of redundant vane-type flow-direction sensing systems
[NAL-TM-590] 01 p0010 N91-10057
Effects of coolant injection on turbine aerodynamic characteristics. Part 1: Test turbine and apparatus
[NAL-TM-585-PT-1] 01 p0010 N91-10059
Experimental investigation on the effect of coolant injection on turbine aerodynamic characteristics. Part 2: Effects of injection from rotor casing with 30 deg slanted holes
[NAL-TM-587-PT-2] 01 p0010 N91-10060
The full-body ground vibration tests using the low-noise STOL test plane
[NAL-TM-576] 01 p0013 N91-10077
Configuration, function and performance of the flight simulation test facility and its motion simulation system
[NAL-TM-575] 01 p0013 N91-10080
Modification in the main air blower unit for two meter times two meter transonic wind tunnel: Plan and configuration
[NAL-TM-580] 01 p0013 N91-10081
Function and performance of visual simulation unit of flight simulation test facility
[NAL-TM-581] 01 p0013 N91-10082
Evaluation of flow quality in newly constructed low-turbulence calibration wind-tunnel for laser velocimeters
[NAL-TR-1054] 01 p0014 N91-10087
Vibration testing of a 1/5 scale model of H-2 launch vehicle
[NAL-TR-1061] 01 p0016 N91-10099
Specific impulse comparison of high density hydrocarbon fuel burned with oxygen
[NAL-TR-1053] 01 p0025 N91-10148
Hot gas side heat transfer characteristics of LOX/H2 and LOX/HC type propellants
[NAL-TR-1062T] 01 p0032 N91-10190
Axial compression buckling test on CFRP surface plate/aluminum honeycomb sandwiched curved surface plate
[NAL-TM-584] 01 p0050 N91-10299
A system design and demonstrative field test of wind turbine with a 14 m diameter rotor
[NAL-TR-1056] 01 p0065 N91-10389
Architecture simulator of parallel computer
[NAL-TM-583] 01 p0104 N91-10601
Function library using APL for time series analysis and system identification in structures
[NAL-TM-578] 01 p0104 N91-10604
Software package for 2-dimensional graphic display unit
[NAL-TM-589] 01 p0105 N91-10605
Optimum orientations of the observation axes for 2-dimensional vector sensing under consideration of bias errors
[NAL-TR-1055] 01 p0115 N91-10679
A sensitive test for accuracy in evaluation of molecular collision number in the direct-simulation Monte Carlo method
[NAL-TR-1050T] 01 p0120 N91-10712
Flight evaluation test of the PAPI (Precision Approach Path Indicator) System
[NAL-TM-592] 02 p0167 N91-10966
Flight simulator evaluation test of multi-functional display unit
[NAL-TM-596] 02 p0182 N91-11026
Flight simulation programs for space plane
[NAL-TM-594] 02 p0185 N91-11035
Weight evaluation and sensitivity analysis for space plane: SSTO
[NAL-TM-598-1] 02 p0185 N91-11036
Experimental manufacturing of data recording system for rocket combustion thermal flux distribution
[DE90-702432] 02 p0188 N91-11051
Digital data processing system for bipropellant apogee engine
[NAL-TM-599] 02 p0188 N91-11052
Experimental manufacturing of performance evaluation system for solid image sensor
[NAL-TM-591] 02 p0215 N91-11200
Proceedings of the 7th NAL Symposium on Aircraft Computational Aerodynamics
[NAL-SP-10] 04 p0451 N91-12514
Simulation of a parallel computer with a 2-dimensional CFD program 04 p0451 N91-12515
Turbulence models for transonic flows with separation 04 p0452 N91-12519
An assessment of turbulence models in compressible viscous flow analysis 04 p0452 N91-12520
Computation of three-dimensional chemically reacting flows around re-entry vehicles 04 p0452 N91-12522
Numerical computation of flow for scramjet 04 p0453 N91-12529
A numerical simulation for supersonic intake 04 p0454 N91-12535
A numerical analysis of the flow in a cascade with tip clearance 04 p0454 N91-12536
Numerical simulation of the flowfield through a turbine blade row with tip clearance 04 p0454 N91-12537
A new algorithm for generating block-structured grid and its application to complex aircraft configurations 04 p0455 N91-12543
Numerical simulation of flow fields around an airplane of complex geometries 04 p0455 N91-12544
Generation of 3-D grid using boundary element method 04 p0455 N91-12545
Numerical simulation of the Knudsen layer dynamics using the direct simulation Monte Carlo method 04 p0456 N91-12547
Rarefied gas numerical wind tunnel. 5: Vortex shedding behind an inclined flat plate 04 p0456 N91-12548
Comparative study on wing pressure distribution of high speed jet airplane between numerical simulation and flight test 04 p0456 N91-12550
Numerical simulation of transonic flows over Boeing-747 and its validation by comparison with experimental data 04 p0456 N91-12551
Effects of blade tip planforms on rotor performance in hover 04 p0457 N91-12553
Transonic aerodynamics analyses of unconventional wing configurations by 3D-Euler code 04 p0457 N91-12555
Aerodynamic simulation of flows about a space-plane 3 04 p0457 N91-12556
On the numerical simulations of flow around a body of complex configurations 04 p0457 N91-12557
Verification of numerical simulation codes for hypersonic viscous flow around a space plane 04 p0457 N91-12558
Numerical simulation of hypersonic flow around H-2 orbiting plane 04 p0458 N91-12559
The application of the consistency to characteristics to implicit difference approximation 04 p0458 N91-12561
Finite element solution of Navier-Stokes flow around aerofoils: Active use of block tridiagonal matrix 04 p0458 N91-12562
Proceedings of the 6th NAL Symposium on Aircraft Computational Aerodynamics
[DE89-910195] 04 p0463 N91-12591
Numerical calculation of chemically reacting compressible flow 04 p0464 N91-12596
Simulations for a parallel computer 04 p0464 N91-12599
An implicit scheme for unsteady compressible Navier-Stokes equations 04 p0465 N91-12605
Difference scheme of Boltzmann-Godunov type 04 p0465 N91-12606
A comparative study on TV-stable schemes 04 p0466 N91-12607
A new class of TVD schemes and wall boundary condition 04 p0466 N91-12608
On a new difference scheme-ATVD2 04 p0466 N91-12609
Navier-Stokes simulations of a winged vehicle using upwind scheme 04 p0467 N91-12615
Numerical simulation of hypersonic flow around a space plane 04 p0467 N91-12617
Rarefied gas numerical wind tunnel 04 p0467 N91-12618
Numerical simulation of unsteady aerodynamics around an oscillating wing in elastic modes 04 p0468 N91-12622
Verification of 2D-viscous flow simulation codes using airfoil with very small leading edge radius 04 p0468 N91-12625
Design of ultra high bypass fan with numerical solution of Navier-Stokes equations 04 p0469 N91-12628
Wind tunnel tests on flutter control of a high-aspect-ratio cantilevered wing: Control with leading-edge and trailing-edge control surfaces
[NAL-TR-1070] 08 p1090 N91-15982
An experiment on supersonic turbulent mixing layers: Supersonic-subsonic two-stream layers
[NAL-TR-1066] 08 p1090 N91-15983
Large-scale numerical aerodynamic simulations for complete aircraft configurations
[NAL-TR-1073-T] 08 p1090 N91-15984
Calculations for unsteady aerodynamic characteristics on a 3-D lifting body in subsonic flow using boundary element method
[NAL-TR-1065] 08 p1090 N91-15985
Fundamental verification of tailoring technology for control of a coefficient of thermal expansion by composite testing facilities
[NAL-TR-1058] 08 p1105 N91-16069
Autoignition and flameholding in a cylindrical scramjet combustor
[NAL-TR-1067] 08 p1111 N91-16102

Detection of solid lubricant film failure during sliding by vibration monitoring
[NAL-TR-1060] 08 p1159 N91-16384
Application of fuzzy-Bayesian analysis to structural reliability
[NAL-TR-1063] 08 p1161 N91-16396
Result of ONERA standard model test in 2m x 2m transonic wind tunnel
[DE91-750115] 11 p1644 N91-19066
Investigation of ATP blades, part 3
[DE91-750104] 11 p1652 N91-19105
Strength test of CFRP box beam model
[NAL-TR-1057] 11 p1720 N91-19469
Experiment on a rectangular cross section Scramjet combustor
[NAL-TR-1068] 12 p1842 N91-20127
Investigation of ATP blades, part 1
[DE91-750103] 12 p1846 N91-20144
Parallel processing using multitasking on CRAY X-MP system
[NAL-TR-1069] 12 p1964 N91-20806
Coning motion of slender bodies at high angles of attack
[NAL-TR-1059] 13 p2019 N91-21111
Wind tunnel test of a propeller working in a low Reynolds number range
[NAL-TR-1071] 13 p2020 N91-21112
An experimental study of a three-dimensional swept-back wing with suction laminar-flow-control
[NAL-TR-1072] 13 p2020 N91-21113
Blunt trailing edge analysis of supercritical airfoils by a Navier-Stokes code
[NAL-TR-1075-T] 13 p2020 N91-21114
The Japanese containerless experiments 13 p2059 N91-21338
Proceedings of the 8th NAL Symposium on Aircraft Computational Aerodynamics: Prospects of Computational Fluid Dynamics and Super Computers in Aerospace Science and Technology
[NAL-SP-13] 13 p2066 N91-21379
Computer requirements for further CFD development 13 p2066 N91-21380
CFD development present and prospects at NAL 13 p2067 N91-21385
Slant hot-wire inclination measurement using dual laser beams
[NAL-TR-1078] 13 p2088 N91-21491
Effective cleaning of oil-protected bearing steel examined by XPS analysis. Part 1: Cleaning by solvents and alkaline cleaners
[NAL-TR-1074] 13 p2096 N91-21538
Analysis of laminar separation bubbles using a simple eddy-viscosity turbulence model
[NAL-TR-1079] 14 p2263 N91-22520
Research on aerodynamic control of blade tip clearance flow in air-cooled turbine
[DE91-764223] 15 p2381 N91-23182
A computational and experimental analysis of joined-wing aerodynamics
[NAL-TR-1088T] 17 p2729 N91-25114
Velocity measurements inside the leading edge vortex formed on a delta wing
[NAL-TR-1087] 17 p2730 N91-25115
An investigation of a two-dimensional hybrid laminar flow control airfoil at high subsonic flow. Part 1: Aerodynamic characteristic of a basic airfoil NLAM78
[NAL-TR-1076] 17 p2730 N91-25116
Estimation of the aeroelastic characteristics from flight test data of the STOL research aircraft ASKA
[NAL-TR-1083] 17 p2735 N91-25145
An experiment on ignition in a rectangular cross section scramjet combustor
[NAL-TR-1080] 17 p2736 N91-25149
Performance of the N2H4/MMH mixed fuel regeneratively cooled engine
[NAL-TR-1082] 17 p2743 N91-25180
Application of the birefringent-coating method to CFRP
[NAL-TR-1085] 17 p2746 N91-25196
Application of brittle lacquer techniques to the strength test of CFRP spar/rib element
[NAL-TR-1089] 17 p2761 N91-25287
Observation of laminar boundary layer transition on light monoplane wing surface
[NAL-TR-1077] 17 p2777 N91-25366
Axial thrust balancing of small high-speed high-pressure rocket pumps
[NAL-TR-1090] 17 p2783 N91-25400
On system identification using Hankel matrices by the time domain approach
[NAL-TR-1084] 17 p2832 N91-25645
The reduction of cavity noise at subsonic speeds
[NAL-TR-1081] 17 p2860 N91-25815
The development of magneto-optic disk operation managing programs for NS system
[NAL-TR-1086] 17 p2886 N91-25951
Proceedings of the 8th NAL Symposium on Aircraft Computational Aerodynamics
[NAL-SP-14] 24 p3943 N91-32032
Numerical simulation of hypersonic flow around H-2 orbiting plane 24 p3943 N91-32034
Numerical calculation of flow for scramjet engine 24 p3943 N91-32035
Rarefied gas numerical wind tunnel 6: Delta wing 24 p3944 N91-32039
Aerodynamic design of non-planar wing by inverse method with Navier-Stokes equation 24 p3945 N91-32045
Navier-Stokes simulation for complete aircraft configuration 24 p3945 N91-32046
Numerical simulation analysis of sidewall effects in two-dimensional wind tunnels 24 p3945 N91-32050
Numerical simulation of shock wave emanating from a square shock tube 24 p3947 N91-32061
Numerical simulation of thermal convection in a rectangular duct flow 24 p3947 N91-32062
Unsteady flow analysis in two-dimensional compressor cascade 24 p3947 N91-32064
Analysis of the aerodynamic performance of counter-rotating propeller by means of vortex lattice method 24 p3947 N91-32065
Navier-Stokes analysis for flowfield around hovering rotor 24 p3948 N91-32066
Numerical analysis of three-dimensional cascade flow 24 p3948 N91-32067
Navier-Stokes computations of three-dimensional turbine cascade flows 24 p3948 N91-32068
Application of 3-D Navier-Stokes computation to turbine vane design 24 p3948 N91-32069

NATIONAL AEROSPACE MEDICAL CENTRE, SOESTERBERG (NETHERLANDS).

The incidence of sleep disturbances in Dutch cockpit crew operating on transmeridian routes
[ETN-91-98697] 10 p1563 N91-18599
Environmental factors influencing flight crew performance
[ETN-91-98698] 10 p1565 N91-18605
Cockpit-environmental factors during long-range flights
[REPT-89-02-RLD] 10 p1565 N91-18606

NATIONAL AIR AND SPACE MUSEUM, WASHINGTON, DC.

Submillimeter observations with the Kuiper Airborne Observatory 13 p2172 N91-21987

NATIONAL ARCHIVES AND RECORDS SERVICE, WASHINGTON, DC.

Optical digital image storage system
[PB91-191791] 14 p2341 N91-22944

NATIONAL ASTRONOMY AND IONOSPHERE CENTER, ARECIBO, PUERTO RICO.

Mars radar mapping: Strong depolarized echoes from the Elysium/Amazonis outflow channel complex 11 p1820 N91-20001

NATIONAL BUREAU OF STANDARDS, GAITHERSBURG, MD.

Low carbon steel: Metallurgical structure vs. mechanical properties 12 p1860 N91-20218
The Kelvin water-drop experiment 12 p1860 N91-20219

NATIONAL BUREAU OF STANDARDS, WASHINGTON, DC.

Standard NIM instrumentation system
[DE90-010387] 21 p3517 N91-29532

NATIONAL CENTER FOR ADVANCED TECHNOLOGIES, WASHINGTON, DC.

The prospects of aeronautics 04 p0461 N91-12580

NATIONAL CENTER FOR ATMOSPHERIC RESEARCH, BOULDER, CO.

Hydrometeor development in cold clouds in FIRE 01 p0076 N91-10459
Vertical velocities within a Cirrus cloud from Doppler lidar and aircraft measurements during FIRE: Implications for particle growth 01 p0077 N91-10461
A GCM parameterization for the shortwave radiative properties of water clouds 01 p0083 N91-10494
Studying marine stratus with large eddy simulation 01 p0084 N91-10499
Reflectivities of uniform and broken marine stratiform clouds 01 p0085 N91-10501
A study of marine stratocumulus using lidar and other FIRE aircraft observations 01 p0087 N91-10511
Dependence of marine stratocumulus reflectivities on liquid water paths 01 p0090 N91-10524
Measurements of the light-absorbing material inside cloud droplets and its effect on cloud albedo 01 p0091 N91-10528
Synthesis and inversion of Stokes spectral profiles
[PB90-214487] 01 p0141 N91-10828
Comparison of clear air atmospheric radar techniques for the study of atmospheric dynamics in the troposphere and the stratosphere
[PB90-256314] 02 p0235 N91-11313
Advantages of the Community Climate Model (CCM) concept
[PB90-256348] 02 p0235 N91-11314
Taiwan area mesoscale experiment: A guide to precipitation patterns during the 1987 field phase
[PB90-256355] 02 p0239 N91-11336
Whie light solar corona: An atlas of 1988 K-coronameter synoptic charts, December 1987 to January 1989
[NASA-CR-184955] 02 p0294 N91-11649
Report for geography and Colorado Commission on Higher Education internship convective wave project 04 p0548 N91-13040
Research projects including climate, atmospheric chemistry, solar-terrestrial physics, metrology, and storm systems
[PB90-256306] 05 p0687 N91-13820
Research on diabatic initialization 08 p1182 N91-16504
A catalogue of mass ejections observed by the solar maximum mission coronagraph
[PB90-265166] 09 p1449 N91-17996
Survey of NCAR user needs for visualization tools. A research report of the Digital/NCAR joint research project
[PB91-115444] 13 p2028 N91-21154
Global monthly sea surface temperature climatology
[PB91-129304] 13 p2120 N91-21669
Air motion measurements: Past and future 14 p2288 N91-22653
Integration of the TDWR and LLWAS wind shear detection system 16 p2556 N91-24178
Enhanced research program on the long-range climatic effects of increased atmospheric carbon dioxide: A continuation
[DE91-010617] 17 p2807 N91-25519
Comparison between observed and calculated distributions of trace species in the middle atmosphere 19 p3190 N91-27641
Temperature dependent infrared cross sections for CFC-11, CFC-12, CFC-13, CFC-14, CFC-22, CFC-113, CFC-114 and CFC-115
[PB91-164780] 19 p3201 N91-27693
Workshop on the Online Documentation in the Supercomputing Environment, Working Paper Conference
[PB91-164772] 19 p3217 N91-27779
MUltigriD software for elliptic partial differential equations: MUDPACK
[PB91-168088] 19 p3232 N91-27866
Uncertainty analysis of a radome flush orifice air motion system for the measurement of aircraft incident angles
[PB91-198176] 24 p3960 N91-32133
Research on diabatic initialization 24 p4058 N91-32671

NATIONAL CENTER FOR HEALTH STATISTICS, HYATTSVILLE, MD.

Catalog of electronic data products
[PB90-272154] 09 p1327 N91-17288

NATIONAL CENTER FOR PHYSICAL ACOUSTICS, UNIVERSITY, MS.

Distorted-wave born approximation calculations for turbulence scattering in an upward-refracting atmosphere 08 p1217 N91-16700
An experimental investigation of acoustic cavitation in gaseous liquids
[AD-A230033] 12 p1895 N91-20423
FY 1989 acoustics research
[AD-A231499] 13 p2149 N91-21840

NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NC.

Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 1: January
[AD-A227122] 08 p1176 N91-16476
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 2: February
[AD-A227123] 08 p1177 N91-16477
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 3: March
[AD-A227124] 08 p1177 N91-16478
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 4: April
[AD-A227125] 08 p1177 N91-16479
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 7: July
[AD-A227126] 08 p1177 N91-16480
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 10: October
[AD-A227127] 08 p1177 N91-16481
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 5: May
[AD-A232977] 16 p2659 N91-24711
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 6: June
[AD-A232978] 17 p2812 N91-25543
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 8: August
[AD-A232979] 17 p2812 N91-25544

Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 9: September
[AD-A232980] 17 p2813 N91-25545
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 11: November
[AD-A232981] 17 p2813 N91-25546
Joint US Navy/US Air Force climatic study of the upper atmosphere. Volume 12: December
[AD-A232982] 17 p2813 N91-25547

NATIONAL COMPUTING CENTRE LTD., MANCHESTER (ENGLAND).

Ada compiler validation summary report: Certificate number 901125N1.11072 Alsys Limited, AlsyCOMP-023, version 5.3, IBM 370 3084Q (under MVS/XA release 3.2)
[AD-A236412] 19 p3229 N91-27848
Alsys Limited, Alsycomp 017, version 5.2, MICRO VAX 2 under Micro VMS V5.3 (host) to INMOS T425 transputer implemented on a B403 TRAM (target), 901118N1.11064
[AD-A237411] 21 p3552 N91-29738

NATIONAL CRITICAL TECHNOLOGIES PANEL, ARLINGTON, VA.

Report of the National Critical Technologies Panel
[PB91-156869] 14 p2238 N91-22378

NATIONAL DEFENCE HEADQUARTERS, OTTAWA (ONTARIO).

Failure analysis case histories of Canadian forces aircraft landing gear components 20 p3282 N91-28151

NATIONAL DEFENCE RESEARCH ESTABLISHMENT, LINKOEPING (SWEDEN).

A Monte Carlo simulation model of airborne hydrographic laser systems
[PB91-110999] 09 p1342 N91-17370

NATIONAL DEFENCE RESEARCH ESTABLISHMENT, STOCKHOLM (SWEDEN).

Tungsten composites (TEXUS 10)
23 p3846 N91-31444
Tungsten composites (TEXUS 19) ESA
23 p3846 N91-31445

NATIONAL DEFENCE RESEARCH ESTABLISHMENT, UMEA (SWEDEN).

Evaluation of a wind profile model
[FOA-E-40045-4.5] 05 p0690 N91-13839
Measurements of air quality and meteorological conditions in seven communities in northern Sweden
[FOA-C-40281-4.5] 14 p2290 N91-22665
Forest fire simulation using PHOENICS
[FOA-C-40283-4.5] 22 p3678 N91-30482

NATIONAL ENVIRONMENTAL SATELLITE SERVICE, WASHINGTON, DC.

Data extraction and calibration of TIROS-N/NOAA radiometers
[NOAA-TM-NESS-107-REV-1] 04 p0543 N91-13010
Evaluation of data reduction and composing of the NOAA global vegetation index product: A case study
[AD-A227397] 06 p0840 N91-14641
NA-9 Solar Backscatter Ultraviolet (SBUV/2) instrument and derived ozone data
[AD-A227449] 06 p0931 N91-15118
Evaluation of the GOES 1-M normalization technique with the visible images of GOES-7
[AD-A227462] 08 p1103 N91-16055
The impact of NOAA satellite soundings on the numerical analysis and forecast system of the People's Republic of China. Part 1: FGGE data. Part 2: December 1987 data
[AD-A227463] 09 p1366 N91-17506
Global monthly sea surface temperature climatology
[PB91-129304] 13 p2120 N91-21669
Proceedings of the 15th Annual Climate Diagnostics Workshop
[PB91-171082] 19 p3203 N91-27708
A water vapor image feature related to severe thunderstorms 19 p3204 N91-27710

NATIONAL GEODETIC SURVEY, ROCKVILLE, MD.

Apparent place of Polaris and apparent Sidereal Time at 0 hour UT 1990-1994
[PB90-259169] 02 p0286 N91-11607
M2 tide from geosat altimetry
[PB91-105171] 09 p1369 N91-17522
The application of minimum-curvature-derived surfaces in the transformation of positional data from the North American datum of 1927 to the North American datum of 1983
[PB91-124131] 12 p1916 N91-20542
A Prograde Geosat Exact Repeat Mission
[PB91-136754] 16 p2563 N91-24214

NATIONAL GEOPHYSICAL AND SOLAR-TERRESTRIAL DATA CENTER, BOULDER, CO.

Proceedings of the Workshop on Geophysical Informatics
[PB91-164376] 22 p3704 N91-30618

NATIONAL GEOPHYSICAL DATA CENTER, BOULDER, CO.

Solar-geophysical data number 548, April 1990. Part 1: (Prompt reports). Data for March, February 1990, and late data
[PB90-226028] 01 p0068 N91-10411
Solar-geophysical data number 548, April 1990. Part 2: (Comprehensive reports). Data for October 1989 and miscellaneous
[PB90-226036] 01 p0068 N91-10412
Solar-geophysical data number 545, January 1990. Part 1 (Prompt reports). Data for December, November 1989 and late data
[PB90-182338] 01 p0140 N91-10822
Solar-geophysical data number 546, February 1990. Part 1: (Prompt reports). Data for January 1990, December 1989, and late data
[PB90-195363] 01 p0140 N91-10823
Solar-geophysical data number 546, February 1990. Part 2: (Comprehensive reports). Data for August 1989 and miscellaneous
[PB90-195371] 01 p0140 N91-10824
Solar-geophysical data number 547, March 1990. Part 1: (Prompt reports). Data for February, January 1990, and late data
[PB90-208877] 01 p0140 N91-10825
Solar-geophysical data number 547, March 1990. Part 2: (Comprehensive reports). Data for September 1989 and miscellaneous
[PB90-208885] 01 p0140 N91-10826
Solar astronomy data base: Packaged information on diskette 03 p0442 N91-12474
Solar-geophysical data number 550, June 1990. Part 1: (Prompt reports). Data for May, April 1990 and late data
[PB90-258799] 05 p0767 N91-14260
Solar-geophysical data number 550, June 1990. Part 2: (Comprehensive reports). Data for December 1989 and miscellaneous
[PB90-258807] 05 p0767 N91-14261
Solar-geophysical data number 549, May 1990. Part 1: (Prompt reports). Data for April, March, 1990, and late data
[PB90-251224] 05 p0767 N91-14262
Solar-geophysical data number 549, May 1990. Part 2: (Comprehensive reports). Data for November 1989 and miscellaneous
[PB90-251232] 05 p0768 N91-14263
Solar-geophysical data Number 552, August 1990. Part 1: (Prompt Reports) data for July, June, 1990 and late data
[PB91-103705] 09 p1449 N91-17994
Solar-geophysical data Number 552, August 1990. Part 2: (Comprehensive Reports) data for February 1990 and miscellaneous
[PB91-103713] 09 p1449 N91-17995
Solar-geophysical data Number 554, October 1990. Part 2 (comprehensive reports): Data for April 1990 and miscellaneous. Explanation of data reports issued as Number 515 (supplement) July 1987
[PB91-124586] 11 p1823 N91-20017
Solar-geophysical data Number 554, October 1990. Part 1 (prompt reports): Data for September, August 1990, and late data. Explanation of data reports issued as Number 515 (supplement) July 1987
[PB91-124594] 11 p1823 N91-20018
National Geophysical Data Center: Programs and services (25th anniversary 1965-1990)
[PB91-123356] 13 p2167 N91-21960
Solar-geophysical data number 553, September 1990. Part 1: (Prompt reports). Data for August 1990, July 1990, and late data
[PB91-113019] 13 p2183 N91-22059
Solar-geophysical data number 555, November 1990. Part 1 (prompt reports): Data for October, September 1990, and late data
[PB91-136135] 14 p2287 N91-22645
Solar-geophysical data number 555, November 1990. Part 2 (comprehensive reports): Data for May 1990 and miscellaneous
[PB91-136143] 14 p2287 N91-22646
Solar-geophysical data number 556, December 1990. Part 1: (Prompt reports). Data for November, October 1990, and late data
[PB91-152140] 18 p3090 N91-27083
Solar-geophysical data number 556, December 1990. Part 2: (Comprehensive reports). Data for June 1990 and miscellaneous
[PB91-152157] 18 p3090 N91-27084
Solar geophysical data number 551, July 1990. Part 1: (Prompt reports). Data for June, May 1990 and late data
[PB91-160713] 18 p3090 N91-27085
Solar-geophysical data number 551, July 1990. Part 2: (Comprehensive reports). Data for January 1990 and miscellaneous
[PB91-160721] 18 p3091 N91-27086
Solar-geophysical data number 558, August 1990. Part 2: (Comprehensive reports). Data for August 1990 and miscellaneous
[PB91-172262] 20 p3447 N91-29128
Solar-geophysical data number 558, February 1991. Part 1: (Prompt reports). Data for January 1991, December 1990, and late data
[PB91-172270] 20 p3447 N91-29129
Solar-geophysical data number 557, January 1991. Part 1: (Prompt reports). Data for December, November 1990 an late data
[PB91-169102] 20 p3447 N91-29130
Solar-geophysical data number 557, January 1991. Part 2: (Comprehensive reports). Data for July 1990 and miscellaneous
[PB91-169110] 20 p3447 N91-29131
Solar-geophysical data number 559, March 1991. Part 1: (Prompt reports). Data for February, January 1991 and late data
[PB91-190611] 22 p3776 N91-31062
Solar-geophysical data number 559, March 1991. Part 2: (Comprehensive reports). Data for September 1990 and miscellaneous
[PB91-190629] 22 p3776 N91-31063
Study on observational systems: A review of meteorological and oceanographic education in observational techniques and the relationship to national facilities and needs
[PB91-198168] 24 p4070 N91-32739
UJNR Tsunami Workshop Proceedings
[PB91-193656] 24 p4071 N91-32747
Solar-geophysical data number 560, April 1991. Part 1: (Prompt reports). Data for March, February 1991, and late data
[PB91-193508] 24 p4124 N91-33047
Solar-geophysical data number 560, April 1991. Part 2: (Comprehensive reports). Data for October 1990 and miscellaneous
[PB91-193516] 24 p4124 N91-33048

NATIONAL HURRICANE CENTER, CORAL GABLES, FL.

Diagnostic report of the National Hurricane Center, August and September, 1989, volume 2, number 2
[PB91-113225] 09 p1368 N91-17518
Diagnostic report of the National Hurricane Center, June and July 1990, volume 3, number 1
[PB91-173161] 19 p3203 N91-27705

NATIONAL INST. FOR FUSION SCIENCE, NAGOYA (JAPAN).

Theory of longitudinal adiabatic invariant in the helical torus
[NIFS-37] 01 p0127 N91-10749
RF helicity injection and current drive
[NIFS-34] 01 p0127 N91-10750
Direct extraction of a Na(-) beam from a sodium plasma
[NIFS-35] 01 p0127 N91-10751
Anomalous viscosity due to drift wave turbulence
[NIFS-33] 01 p0127 N91-10752
A design method of divertor in tokamak reactors
[NIFS-36] 02 p0273 N91-11532
An empirical scaling of the thermal diffusivity applicable to both L- and H-mode discharges
[DE90-520194] 04 p0583 N91-13255
Current bubble formation by nonlinear coupling of resistive tearing modes
[DE90-520195] 04 p0584 N91-13256
Effect of confinement of SoL plasma on core temperature profile
[DE90-520198] 04 p0584 N91-13257
Adiabatic invariant and evaluation of particle loss in helical torus
[DE90-520199] 04 p0584 N91-13258
Structures in confined plasmas. Proceedings of a workshop of US-Japan Joint Institute for Fusion Theory Program
[NIFS-PROC-2] 09 p1400 N91-17708
Application of fixed point theory to chaotic attractors of forced oscillators
[NIFS-62] 10 p1590 N91-18765
Soliton on thin vortex filament
[NIFS-63] 10 p1593 N91-18785
US-Japan Workshop on Comparison of Theoretical and Experimental Transport in Toroidal Systems
[NIFS-PROC-1] 10 p1596 N91-18809
Modelling of improved confinement in tokamaks. A: Peaked density profile and inward pinch. B: Change of transport at L/H mode transition
10 p1597 N91-18811
Measurement of density fluctuations in the JIPP T-IIU tokamak 10 p1598 N91-18815
Transport in scrape-off layer and its effect on core confinement 10 p1600 N91-18825
Electric field profile of CHS heliotron torsatron plasma with tangential neutral beam injection
[NIFS-60] 10 p1602 N91-18838

Two- and three-dimensional behavior of Rayleigh-Taylor and Kelvin-Helmholtz instabilities
[NIFS-61] 10 p1602 N91-18839
Impact of improved confinement on fusion research
[NIFS-64] 10 p1603 N91-18840
A consistency analysis on the tokamak reactor plasmas
[NIFS-65] 10 p1603 N91-18841
Effect of radial electric field on alpha-particle loss in tokamaks
[NIFS-66] 10 p1603 N91-18842
Effects of a nonuniform open magnetic field on the plasma presheath
[NIFS-67] 10 p1603 N91-18843
On relation between local transport coefficient and global confinement scaling law
[NIFS-68] 10 p1603 N91-18844
Cross section for production of excited hydrogen atoms following dissociative excitation of molecular hydrogen by electron impact
[DE91-745035] 11 p1796 N91-19852
Symposium on Development of Intensed Pulsed Particle Beams and Its Applications
[NIFS-PROC-5] 11 p1800 N91-19882
He-like spectra through charge exchange processes in tokamak plasmas
[NIFS-69] 11 p1802 N91-19894
Electrostatic drift mode in toroidal plasma with minority energetic particles
[NIFS-74] 12 p1985 N91-20922
Observation of parallel viscosity in the CHS heliotron/torsatron
[NIFS-70] 13 p2157 N91-21891
Spectral analysis of the heliotron field with the toroidal harmonic function in a study of the structure of built-in divertor
[NIFS-71] 13 p2157 N91-21892
Effect of electric field inhomogeneities on drift wave instabilities and anomalous transport
[NIFS-72] 13 p2157 N91-21893
Stabilities of regular motion in the relativistic standard map
[NIFS-73] 13 p2157 N91-21894
Multi-dimensional cubic interpolation for ICF hydrodynamics simulation
[NIFS-82] 17 p2865 N91-25845
Decay process of a magnetic island by forced reconnection
[NIFS-80] 17 p2865 N91-25846
Model of divertor biasing and control of scrape-off layer and divertor plasmas
[NIFS-79] 17 p2865 N91-25847
Suppression of magnetic surface breaking by simple extra coils in a finite beta equilibrium of helical system
[NIFS-76] 17 p2866 N91-25848
High temperature divertor plasma operation
[NIFS-77] 17 p2866 N91-25849
Simulation study of toroidal phase-locking mechanism in reversed-field pinch plasma
[NIFS-78] 17 p2866 N91-25850
Design and fabrication of forced-flow coils as an R/D program for large helical device
[NIFS-81] 18 p3066 N91-26937
Effect of energetic particle distribution on bounce resonance excitation of the ideal ballooning mode
[NIFS-75] 19 p3247 N91-27958
Proceedings of a Workshop on Emissions from Heavy Current Carrying High Density Plasma and Diagnostics
[NIFS-PROC-7] 19 p3248 N91-27962
Proceedings of the Second International Toki Conference on Plasma Physics and Controlled Nuclear Fusion. Nonlinear Phenomena in Fusion Plasmas: Theory and Computer Simulation
[NIFS-PROC-6] 20 p3406 N91-28881
Self-organizing processes in magnetically confined plasma 20 p3406 N91-28883
Equilibrium beta limit of helical systems 20 p3408 N91-28894
Magnetohydrodynamical formation of astrophysical jets from gravitationally collapsing objects 20 p3410 N91-28903
Computer simulation of solar wind-magnetosphere interaction 20 p3410 N91-28904
Particle simulation on the tilt stabilization of the FRC plasma 20 p3412 N91-28917
The 3-D electromagnetic macroscale particle simulation of inhomogeneous, magnetized plasmas 20 p3412 N91-28918
Nonlinear behavior and transport property of multiple-helicity resistive interchange modes near marginally stable states 20 p3413 N91-28922
Nonlinear computer analysis of backward wave oscillator 20 p3413 N91-28923
Nonlinear equations for weakly unstable modes 20 p3414 N91-28927
Structures of magnetic field lines in the helical torus 20 p3414 N91-28932
Regular motion and symmetry in the relativistic standard map 20 p3414 N91-28933
Solitons and chaos in plasma 20 p3416 N91-28943
A global simulation of the magnetosphere with a long tail: Southward and northward IMF
[NIFS-99] 24 p4043 N91-32592
Calibration source for electron cyclotron emission measurements
[NIFS-19] 24 p4101 N91-32913
Macroscale implicit, electromagnetic particle simulation of inhomogeneous and magnetized plasmas in multi-dimensions
[NIFS-91] 24 p4104 N91-32929
H-mode physics: Experimental observations and model theories. Lecture notes
[NIFS-92] 24 p4104 N91-32930
Geometric dependence of the scaling law on the energy confinement time in H-mode discharges
[NIFS-93] 24 p4104 N91-32931
ELMy-H mode as limit cycle and chaotic oscillations in tokamak plasmas
[NIFS-96] 24 p4104 N91-32932
An H-mode-like bifurcation in core plasma of stellarators
[NIFS-97] 24 p4104 N91-32932
Axial pressure profile effects on flute interchange stability in the tandem mirror GAMMA 10
[NIFS-98] 24 p4104 N91-32934
Heat deposition on the partial limiter
[NIFS-28] 24 p4108 N91-32954
Beam-driven currents in the 1/nu regime in a helical system
[NIFS-27] 24 p4108 N91-32955
Edge electric field profiles of H-mode plasmas in JFT-2M tokamak
[NIFS-26] 24 p4108 N91-32956
Development of the stellarator/heliotron research
[NIFS-84] 24 p4108 N91-32957

NATIONAL INST. FOR OCCUPATIONAL SAFETY AND HEALTH, CINCINNATI, OH.

Physiological responses to the wearing of protective equipment and respirators: Effects of hot, humid inspired air on work of breathing
[PB91-152884] 18 p3034 N91-26745
Scientific workshop on the Health Effects of Electromagnetic Radiation on Workers: Bibliography
[PB91-173351] 24 p4073 N91-32755

NATIONAL INST. FOR OCCUPATIONAL SAFETY AND HEALTH, MORGANTOWN, WV.

Performing motor and sensory neuronal conduction studies in adult humans
[PB91-152736] 17 p2821 N91-25588

NATIONAL INST. OF GENERAL MEDICAL SCIENCES, BETHESDA, MD.

National Institute of General Medical Sciences publications list, February 1990
[PB91-163394] 19 p3262 N91-28045

NATIONAL INST. OF HEALTH, BETHESDA, MD.

Improved apparatus for countercurrent chromatography separations and stable methods for monitoring the effluent thereof
[PB90-141060] 09 p1308 N91-17180
Separation of rare earth elements with high-speed countercurrent chromatography
[PB90-243700] 09 p1309 N91-17181
Variable air flow eddy control
[PB90-243742] 09 p1332 N91-17316

NATIONAL INST. OF STANDARDS AND TECHNOLOGY, BOULDER, CO.

Scanning system for measuring uniformity of laser detector response and laser beam dimensions
[PB90-257619] 02 p0216 N91-11207
Time domain frequency stability calculated from the frequency domain description: Use of the SIGINT software package to calculate time domain frequency stability from the frequency domain
[PB90-257684] 02 p0253 N91-11405
Detection of excited states by laser-induced fluorescence and analysis of energy transfer
[AD-A227296] 07 p1007 N91-15531
Cooled ion frequency standard
[AD-A227806] 07 p1008 N91-15533
Aluminum alloys for cryogenic tanks: Oxygen compatibility, volume 1
[AD-A229229] 09 p1314 N91-17211
Review of cryogenic mechanical and thermal properties of Al-Li alloys and alloy 2219
[AD-A229231] 09 p1314 N91-17212
Heat transfer in a compact tubular heat exchanger with helium gas at 3.5 MPa
[NASA-CR-187680] 09 p1333 N91-17320
Time and frequency users manual, revised 1990
[PB91-107532] 09 p1394 N91-17669
Materials studies for magnetic fusion energy applications at low temperatures-13
[PB91-107086] 09 p1406 N91-17737
Aluminum alloys for ALS cryogenic tanks: Oxygen compatibility, volume 2
[AD-A231830] 14 p2245 N91-22422
A bibliography of the NIST electromagnetic fields division publications
[PB91-132241] 14 p2258 N91-22488
Metrology for electromagnetic technology: A bibliography of NIST publications
[PB91-132266] 14 p2258 N91-22489
Characterization of clocks and oscillators
[PB91-100909] 14 p2266 N91-22539
Data-reduction and analysis procedures used in NIST's thermomechanical processing research
[PB91-132282] 15 p2441 N91-23523
Study of static and dynamic fracture using strain measurements
[PB91-132217] 15 p2442 N91-23524
Thermal conductivity of a polyimide film between 4.2 and 300 K, with and without alumina particles as filler
[PB91-144402] 16 p2604 N91-24431
Effect of noble gas mixtures on the performance of regenerative-type cryocoolers analytical estimate
[PB91-144410] 16 p2613 N91-24465
Spherical near-field scanning: Experimental and theoretical studies
[PB91-132274] 16 p2616 N91-24484
Near-field and far-field excitation of a long conductor in a lossy medium
[PB91-143347] 16 p2617 N91-24488
Technical Digest-Symposium on Optical Fiber Measurements, 1990
[PB91-132308] 16 p2688 N91-24879
Ignition characteristics of the nickel-based alloy UNS N07001 in pressurized oxygen
[NASA-CR-188223] 17 p2755 N91-25250
Trapped-ion frequency standards 17 p2851 N91-25760
GPS time transfer with implementation of selective availability 17 p2852 N91-25766
Synchronizing computer clocks using a local area network 17 p2856 N91-25793
Environmental sensitivities of quartz crystal oscillators 17 p2857 N91-25797
Laser induced damage in optical materials: 1989
[PB91-148478] 19 p3170 N91-27527
Integrated theoretical and experimental study of the thermophysical properties of fluid mixtures
[DE91-012660] 20 p3309 N91-28316
Transmission/reflection and short-circuit line permittivity measurements
[PB91-171959] 20 p3337 N91-28482
Effect of a free surface on stress distribution in a bimaterial composite
[PB91-185116] 21 p3471 N91-29251
NIST calibration procedure for vertically polarized monopole antennas 30 kHz to 300 MHz
[PB91-185124] 21 p3501 N91-29432
Heat transfer and pressure drop in a compact pin-fin heat exchanger with pin orientation at 18 deg to the flow direction
[NASA-CR-186544] 21 p3516 N91-29527
Microstructure, composition, and hardness of Rockwell C hardness blocks
[PB91-184747] 22 p3690 N91-30545

NATIONAL INST. OF STANDARDS AND TECHNOLOGY, GAITHERSBURG, MD.

NIST (National Institute of Standards and Technology) standard reference materials catalog, 1990-1991
[PB90-183310] 01 p0020 N91-10120
Measurements of coefficients of discharge for concentric flange-tapped square-edged orifice meters in natural gas over the Reynolds number range 25,000 to 16,000,000
[PB90-219601] 01 p0039 N91-10231
NIST research reports, May 1990
[PB90-244435] 01 p0135 N91-10800
Center for electronics and electrical engineering technical publication announcements covering Center programs, July - September, 1989, with 1990 CEEE events calendar
[PB90-206491] 02 p0205 N91-11145
Expected complexity of the 3-dimensional voronoi diagram
[PB90-221862] 02 p0258 N91-11435
Expected linear 3-dimensional Voronoi diagram algorithm
[PB90-227984] 02 p0258 N91-11436
Evaluation of the integral
[PB90-235011] 02 p0258 N91-11437
Mathematical treatment of the spherical stereology
[PB90-257593] 02 p0262 N91-11464

Device and method for providing accurate time and/or frequency
[US-PATENT-APPL-SN-471764] 03 p0368 N91-12060
Need for research in electronics assembly technology
[PB90-250101] 04 p0517 N91-12876
Strength and creep-rupture properties of adhesive-bonded EPDM joints stressed in peel
[PB90-257676] 04 p0534 N91-12963
Center for electronics and electrical engineering: 1990 program description
[PB90-207754] 04 p0611 N91-13395
NIST-NRL free-electron laser
[AD-A227310] 07 p1008 N91-15532
Evaluation of exit signs in clear and smoke conditions
[PB90-269523] 09 p1275 N91-17006
Metrology for space power: Metrology development and survey of space-based measurements
[PB91-107607] 09 p1300 N91-17136
A model for predicting the generation rate and distribution of products of combustion in two-layer fire environments
[PB91-107151] 09 p1307 N91-17174
Effect of gravity modulation on solutal convection during directional solidification
[PB90-265281] 09 p1312 N91-17202
Effect of oxygen transport and resistivity of the environment on the corrosion of steel
[PB91-107292] 09 p1313 N91-17207
Measurement of electric field strength near higher powered personal transceivers
[PB91-107268] 09 p1326 N91-17280
NIST digitally synthesized power calibration source
[PB91-107474] 09 p1326 N91-17281
Center for Electronics and Electrical Engineering technical publication announcements covering center programs, January - March, 1990, with 1990 CEEE events calendar
[PB91-107201] 09 p1326 N91-17282
High current, very wide band transconductance amplifier
[PB90-238627] 09 p1327 N91-17287
FED-X: The NIST express translator
[PB90-269507] 09 p1371 N91-17536
Technical activities 1989, Molecular Physics Division
[PB90-264086] 09 p1395 N91-17677
Semiconductor technology for the non-technologist, 2nd edition
[PB91-107193] 09 p1410 N91-17757
Semiconductor measurement technology: Thermal resistance measurements
[PB90-269564] 09 p1410 N91-17762
Dynamic characteristics of hypertext
[PB91-107276] 09 p1421 N91-17822
Data bases available in the Research Information Center of the National Institute of Standards and Technology
[PB91-107284] 09 p1421 N91-17823
Automated information system security accreditation guidelines
[PB90-264102] 09 p1421 N91-17825
Absolute specular reflectometer with an autocollimator telescope and auxiliary mirrors
[PB90-269572] 09 p1425 N91-17844
High T(sub c) superconductors: Are they magnetic 12 p1859 N91-20208
A closed-form massively-parallel range-from-image-flow algorithm
[PB91-112805] 12 p1954 N91-20746
A dynamic technique for measuring surface tension at high temperatures in microgravity environment 13 p2061 N91-21347
A high-speed spatial (linear) scanning pyrometer: A tool for diagnostics, temperature mapping, and property determinations at high temperatures 13 p2064 N91-21361
The influence of water on the mechanical properties of a glass-epoxy matrix composite
[AD-A231778] 14 p2240 N91-22389
Report of the 75th National Conference on Weights and Measurements
[PB91-112763] 14 p2322 N91-22823
Semiconductor measurement technology: A programmable reverse-bias safe operating area transistor tester
[PB91-112821] 14 p2330 N91-22872
Proceedings of the Federal Information Processing Standards (FIPS) Workshop on Information Resource Dictionary System (IRDS) Applications
[PB89-136329] 14 p2340 N91-22936
Guide to IRDS applications: General concepts and strategic systems planning 14 p2340 N91-22937
Institute for Materials Science and Engineering: Metallurgy Division, technical activities 1990
[PB91-132225] 16 p2599 N91-24403
Second Industry Workshop on Polymer Composite Processing
[PB91-132191] 16 p2604 N91-24427
An overview of the product data hyperstandard CD-ROM prototype
[PB91-132258] 16 p2666 N91-24747
Guidelines for realizing the International Temperature Scale of 1990 (ITS-90)
[PB91-112854] 16 p2680 N91-24838
Material flammability test assessment for Space Station Freedom
[NASA-CR-187115] 17 p2740 N91-25165
Ceramics: Technical activities, 1990
[PB91-132233] 17 p2761 N91-25284
Polymers: Technical activities, 1990
[PB91-159715] 17 p2763 N91-25297
Space marching difference schemes in the nonlinear inverse heat conduction problem
[PB91-144360] 17 p2773 N91-25350
Short-term evolution for the flight telerobotic servicer
[PB91-144352] 17 p2782 N91-25393
Abstract and index collection in the Research Information Center of the National Institute of Standards and Technology (4th ed.)
[PB91-148494] 17 p2884 N91-25942
National Bureau of Standards Publications 1977-1987. Volume 1: Citations, key words, and abstracts
[PB91-136507] 17 p2884 N91-25943
Proceedings of the Object-Oriented Database Task Group Workshop
[PB91-159723] 17 p2889 N91-25971
Strength and microstructure of ceramics
[AD-A235424] 18 p2966 N91-26374
Center for electronics and electrical engineering. Technical progress bulletin covering center programs, July to September 1990, with 1991 CEEE events calendar
[PB91-159749] 18 p2977 N91-26437
Progress in ultrasonic measurements research in 1990: Transient sources for acoustic emission work
[AD-A234965] 18 p3056 N91-26882
Absorbed-dose calibration of ionization chambers in a Co-60 gamma-ray beam
[PB91-132290] 18 p3058 N91-26890
Transmission electron microscopy of the CVD diamond film/substrate interface
[AD-A234790] 18 p3069 N91-26956
Proceedings of the Object-Oriented Database Task Group Workshop
[PB91-157198] 18 p3076 N91-27000
AMRF composites fabrication workstation: A test methodology to measure the quality of thermoplastic composite parts
[PB91-187765] 19 p3121 N91-27245
Modern test methods for flammability
[PB91-167676] 19 p3128 N91-27283
Thermodynamic and kinetic stability of refractory materials at ultra-high temperatures
[AD-A235490] 19 p3133 N91-27314
Computational models developed for the corrosion of prestressing steel
[PB91-167304] 19 p3135 N91-27322
Spatially and spectrally resolved cathodoluminescence of hot-filament chemical-vapor-deposited diamond particles
[AD-A236485] 19 p3142 N91-27364
Effects of multiple filament geometry in the hot filament deposition of diamond films
[AD-A236708] 19 p3142 N91-27365
Heat transfer in a compact heat exchanger containing rectangular channels and using helium gas
[NASA-CR-186684] 19 p3166 N91-27506
Recommended fine positioning test for the Development Test Flight (DTF-1) of the NASA Flight Telerobotic Servicer (FTS)
[NASA-CR-188683] 19 p3177 N91-27565
Robot characterization testing
[PB91-167361] 19 p3177 N91-27567
Intercomparison study of Rockwell hardness test blocks
[PB91-167338] 19 p3182 N91-27595
Crack arrest fracture toughness measurements of normalized and inclusion shape controlled AAR-TC128 grade B steel, and micro-alloyed, control-rolled, and inclusion shape controlled A 8XX grade B steel
[PB91-167346] 19 p3182 N91-27596
Government document processing requirements report
[PB91-187773] 19 p3212 N91-27757
Programming languages and database language SQL. Validated processor list including GOSIP conformance testing registers
[PB91-187716] 19 p3231 N91-27864
Interior-point method for linear and quadratic programming problems
[PB91-187815] 19 p3231 N91-27865
Center for radiation research, 1990 technical activities
[PB91-178855] 19 p3243 N91-27937
Critical assessment of optical properties of CVD diamond films
[AD-A236746] 19 p3246 N91-27954
NIST research reports, October 1990
[PB91-112813] 19 p3260 N91-28030
National Aeronautics and Space Administration's (NASA) automated information security handbook
[NASA-CR-188682] 19 p3262 N91-28043
Chemistry of electronic ceramic materials. Proceedings of the International Conference on the Chemistry of Electronic Ceramic Materials
[NASA-CR-188688] 20 p3324 N91-28403
US assessment of the new diamond technology in Japan
[PB91-167395] 20 p3324 N91-28404
Boussinesq algorithm for enclosed bouyant convection in two dimensions
[PB91-178848] 20 p3342 N91-28507
Configuration management concepts document. National PDES testbed report series
[PB91-194480] 21 p3495 N91-29391
Technical publication announcements covering center programs, July to September 1990, with 1991 CEEE events calendar
[PB91-184754] 21 p3508 N91-29476
Technical activities 1990, Electron and Optical Physics Div.
[PB91-194423] 21 p3571 N91-29858
Guide to design, implementation and management of distributed databases
[PB91-187567] 21 p3604 N91-30054
Experimental thermal conductivity, thermal diffusivity, and specific heat values for mixtures of nitrogen, oxygen, and argon
[NASA-CR-188769] 22 p3648 N91-30305
Tiled raster graphics and MIL-R-28002A: A tutorial and implementation guide
[PB91-187708] 22 p3727 N91-30746
Convergence properties of a class of Rank-Two updates
[PB91-187799] 22 p3744 N91-30863
Extracting STEP geometry and topology from a solid modeler: Parasolid-to-STEP
[PB91-194449] 22 p3749 N91-30897
Model for the non-perturbative QCD vacuum
[PB91-194407] 22 p3749 N91-30898
Stopping power of fast charged particles in heavy elements
[PB91-194399] 22 p3753 N91-30918
Journal of Research of the National Institute of Standards and Technology, March - April 1991, volume 96, number 2
[PB91-187617] 22 p3761 N91-30969
Journal of Research of the National Institute of Standards and Technology, January-February 1991, volume 96, number 1
[PB91-184853] 22 p3779 N91-31077
The influence of moisture and pressure on the mechanical properties of a glass-epoxy matrix composite and a graphite-epoxy matrix composite
[AD-A239509] 23 p3808 N91-31242

NATIONAL LAB. FOR HIGH ENERGY PHYSICS, IBARAKI (JAPAN).

Status reports of supercomputing astrophysics in Japan
[DE90-513793] 02 p0292 N91-11640
Investigation of wire motion in superconducting magnets
[DE91-004952] 08 p1213 N91-16674
Proceedings of the symposium on networking
[DE90-777889] 09 p1419 N91-17813

NATIONAL MARINE FISHERIES SERVICE, MONTEREY, CA.

Nearshore physical oceanography off the Central California coast during May-June, 1989: A summary of CTD data from juvenile rockfish surveys
[PB91-191817] 22 p3712 N91-30660

NATIONAL MARINE FISHERIES SERVICE, WOODS HOLE, MA.

Surface and bottom temperature distribution for the Northeast continental shelf
[PB90-252172] 02 p0242 N91-11349

NATIONAL OCEAN SERVICE, ANCHORAGE, AK.

Outer continental shelf environmental assessment program: Comprehensive bibliography, June 1990
[PB90-258609] 02 p0242 N91-11350
Outer continental shelf environmental assessment program. Final reports of principal investigators, volume 67
[PB90-260134] 09 p1360 N91-17472
Outer continental shelf environmental assessment program, volume 70
[PB91-129288] 11 p1736 N91-19548

NATIONAL OCEAN SERVICE, ROCKVILLE, MD.
Report to the Congress on ocean pollution, monitoring, and research, October 1988 through September 1989
[PB91-172361] 19 p3188 N91-27629
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, BOULDER, CO.
Model of gravity-wave-induced variability and turbulence in the stratified free atmosphere
[PB90-235482] 01 p0069 N91-10413
Estimated accuracy of ground-based liquid water measurements during FIRE 01 p0086 N91-10508
Plume mechanics and stratocumulus convection 01 p0090 N91-10526
Geophysical monitoring for climatic change
[PB90-222126] 01 p0092 N91-10538
Converting from VMS to ULTRIX
[PB90-220310] 01 p0107 N91-10622
ECC ozonesonde observations at South Pole, Antarctica during 1989
[PB90-258914] 02 p0233 N91-11302
Attenuation statistics derived from emission measurements by a network of ground-based microwave radiometers 03 p0352 N91-11963
NOAA/TIROS and GOES observations of galactic and solar cosmic rays over a solar cycle 03 p0443 N91-12475
Dynamic power spectral analysis of solar measurements from photospheric, chromospheric, and coronal sources 03 p0443 N91-12476
Solar activity and the sea-surface temperature record-evidence of a long-period variation in solar total irradiance 03 p0443 N91-12478
Solar UV temporal variations during solar cycle 22 and the twentieth century 03 p0448 N91-12501
ECC ozonesonde observations at Mirny, Antarctica, during 1989
[PB90-252024] 04 p0544 N91-13018
The IPS data acquisition and communication system
[PB90-106039] 09 p1322 N91-17258
Report on the workshop: Applications of Ocean Acoustic Remote Sensing to Climate Monitoring
[PB91-105981] 09 p1353 N91-17435
RASS demonstration on a NOAA network wind profiler
[PB90-268319] 09 p1366 N91-17508
Fronts, jet streams, and the tropopause
[PB90-268277] 09 p1368 N91-17517
Optical inner-scale meter
[PB90-268285] 09 p1399 N91-17698
Total ozone, ozonesonde, and Umkehr observations for satellite ozone data validation 11 p1732 N91-19525
Analysis of SBUV/2 measurements of solar UV irradiance variations 11 p1732 N91-19526
Radar-measured height profiles of Cn(2) and turbulence dissipation rate compared with radiosonde data during October 1989 at Denver
[PB91-125500] 11 p1739 N91-19562
Aperture-averaging factor for optical propagation through the turbulent atmosphere
[PB91-129338] 11 p1799 N91-19875
Dual-frequency radar: Basic theory and surface current mapping performance for land-based systems
[PB91-121251] 12 p1880 N91-20336
Atmospheric methane data for the period 1986-1988 from the NOAA/CMDL global cooperative flask sampling network
[PB91-129122] 13 p2112 N91-21626
Environmental Research Laboratories publication abstracts, fiscal year 1990
[PB91-132035] 13 p2112 N91-21627
Calibration transfer target for a microwave radiometric profiling system
[PB91-129080] 13 p2116 N91-21647
Estimations of ABL fluxes and other turbulence parameters from Doppler lidar data
[NASA-CR-188062] 13 p2116 N91-21648
Dobson spectrophotometer, ECC ozonesonde, and ground-based NOAA SBUV-2, S/N satellite instrument comparison ozone observations
[PB91-142299] 14 p2268 N91-22549
Remote sensor observations during WISP90: The use of microwave radiometers, RASS, and ceilometers for detection of aircraft icing conditions
[PB91-131839] 14 p2291 N91-22670
Ocean surface current measurements with a single-station, Doppler/spaced-antenna radar
[PB91-142307] 16 p2661 N91-24722
Calibration of ground-based microwave radiometers for atmospheric remote sensing
[PB91-183111] 19 p3170 N91-27525
Optical remote sensing
[PB91-169755] 19 p3184 N91-27609
Diurnal and annual variations in mean profiles of Cn2
[PB91-181719] 19 p3187 N91-27624
Revised reference model for nitric acid 19 p3190 N91-27638
ECC ozonesonde observations at Point Barrow, Alaska during January 16 - April 19, 1989
[PB91-176438] 19 p3203 N91-27706
DAR(3)E-1 evaluation: Assessment of weather forecasts made using the DAR(3)E-1 workstation
[PB91-181701] 21 p3544 N91-29693
Proceedings of the Workshop on Geophysical Informatics
[PB91-164376] 22 p3704 N91-30618
Irradiance distributions on the human retina from a laser observed through the turbulent atmosphere
[PB91-196907] 22 p3718 N91-30691
Catalog of solar filament disappearances 1964-1980
[PB91-164384] 22 p3776 N91-31059
Solar-Terrestrial Predictions. Proceedings of a Workshop. Volume 1: Working group reports, review papers and solar papers
[PB91-197079] 22 p3777 N91-31064
Solar-Terrestrial Predictions: Proceedings of a workshop. Volume 2: Geomagnetic and space environment papers and ionosphere papers
[PB91-197087] 22 p3777 N91-31065
NOAA backscatter studies 24 p4060 N91-32679
Weak positive cloud-to-ground flashes in Northeastern Colorado 24 p4065 N91-32712
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, MIAMI, FL.
Current velocity and hydrographic observations in the southwestern North Atlantic Ocean: Subtropical Atlantic Climate Studies (STACS), 1989
[PB91-115535] 13 p2123 N91-21685
Hurricane Research Division fiscal year 1990 programs-fiscal year 1991 projections
[PB91-153452] 18 p3014 N91-26641
Shipboard acoustic Doppler current profiler data collected during the Subtropical Atlantic Climate Studies (STACS) project
[PB91-178400] 19 p3203 N91-27707
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, RESEARCH TRIANGLE PARK, NC.
Across North America Tracer Experiment (ANATEX): Model evaluation study
[PB90-261454] 09 p1359 N91-17469
Wind field development for the EPA regional oxidant model
[PB91-191213] 22 p3710 N91-30648
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, ROCKVILLE, MD.
Doppler radar meteorological observations. Part B: Doppler radar theory and meteorology (interim version one)
[PB91-176701] 19 p3203 N91-27703
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, SEATTLE, WA.
Structure of the marine boundary layer over the Pacific Ocean during the RITS 88 and RITS 89 cruises
[PB91-176412] 19 p3206 N91-27721
Sea level and bottom pressure measurements in the Northern Gulf of Alaska
[PB91-184135] 21 p3546 N91-29705
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, SILVER SPRING, MD.
Intercomparison of the chemical and meteorological data generated from aircraft and shipboard sampling during GCE/CASE/WATOX
[PB91-129098] 13 p2120 N91-21667
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, WASHINGTON, DC.
Educator's guide for building and operating environmental satellite receiving stations
[NOAA-TR-NESDIS-44] 01 p0015 N91-10093
Geographic display of circulation model data
[NOAA-NESDIS-27] 01 p0074 N91-10446
Earth System Monitor, Volume 1, Number 1, June 1990
[PB90-215146] 01 p0135 N91-10799
Baseline Upper Air Network (BUAN)
[NOAA-TR-NESDIS-52] 09 p1362 N91-17485
A comparison of ERBE and AVHRR longwave flux estimates
[NOAA-TR-NESDIS-50] 10 p1555 N91-18553
NOAA-9 Solar Backscatter Ultraviolet (SBUV/2) Instrument and Derived Ozone Data: Review
[NOAA-TR-NESDIS-53] 11 p1730 N91-19514
Data status and availability 11 p1730 N91-19515
SBUV/2 in-orbit performance 11 p1731 N91-19517
SBUV/2 comparisons with ground-based and SBUV spacecraft data 11 p1731 N91-19521
Umkehr work 11 p1731 N91-19522
Satellite observation of Great Lakes ice: Winter 1986-1987
[NOAA-NESDIS-34] 22 p3696 N91-30576
NATIONAL OCEANOGRAPHIC DATA CENTER, WASHINGTON, DC.
Mariners Weather Log, Volume 33, Number 1, Winter, 1989
[PB90-179987] 01 p0074 N91-10447
Mariners Weather Log, Volume 34, Number 2, Spring 1990
[PB90-222324] 01 p0092 N91-10537
Mariners Weather Log, Volume 34, Number 3, Summer, 1990
[PB90-268608] 09 p1368 N91-17516
Mariners Weather Log, Volume 34, Number 4, Fall, 1990
[PB91-124099] 17 p2812 N91-25539
NATIONAL OPTICAL ASTRONOMY LAB, TUCSON, AZ.
An atlas of mixed-morphology pairs 08 p1246 N91-16866
Infrared astronomy 24 p4119 N91-33019
Interferometry 24 p4119 N91-33022
NATIONAL PARK SERVICE, ANCHORAGE, AK.
Proceedings of the Second Glacier Bay Science Symposium
[PB91-110163] 15 p2460 N91-23634
NATIONAL PHYSICAL LAB., TEDDINGTON (ENGLAND).
Development of standards for advanced polymer matrix composites: A BPF/ACG overview
[NPL-DMM(A)-8] 05 p0643 N91-13568
Review of uncertainties in the use of NPL primary standards of x ray exposure for the calibration of secondary standards in terms of exposure and air kerma
[NPL-RS(EXT)-109] 05 p0694 N91-13868
Software management guidelines for automated measuring systems
[NPL-DES-99] 05 p0704 N91-13926
Investigation of the uniformity of the magnetic field and flux density in the NPL permeameter
[NPL-DES-101] 05 p0711 N91-13966
Standards for polymer matrix composites. Part 1: Assessment of CRAG test methods data
[NPL-DMM(A)-6-PT-1] 12 p1864 N91-20240
Crack-tip electrochemistry
[NPL-DMM(A)-9] 12 p1867 N91-20256
VAMAS study of intensity stability of cylindrical mirror analyzer based Auger electron spectrometers
[NPL-DMM(A)-16] 12 p1867 N91-20257
Review of corrosion studies on aluminium metal matrix composites
[NPL-DMM(A)-145] 12 p1871 N91-20280
Dynamic mechanical properties and morphology of a polyethylene/polycarbonate blend
[NPL-DMM(A)-11] 12 p1876 N91-20312
Creep and physical ageing in PVC at high stresses
[NPL-DMM(A)-17] 12 p1876 N91-20313
Biaxial strength tests on bioceramic materials
[NPL-DMM(A)-18] 12 p1876 N91-20314
The optimum range of separations for antenna gain measurement by extrapolation
[NPL-DES-90] 12 p1889 N91-20386
The development of an untuned cavity as a high effective temperature microwave calibration source
[NPL-DES-106] 12 p1902 N91-20462
Bolted stress relaxation testing of polymeric materials
[NPL-DMM(A)-12] 12 p1915 N91-20533
List of all RSA (external) reports issued by the Division of Radiation Science and Acoustics to date
[NPL-RSA(EXT)-1] 12 p1999 N91-21004
Committee draft for an ISO standard on the acquisition and presentation of multipoint data for plastics
[NPL-DMM(A)-24] 15 p2406 N91-23320
The solidification of a molten droplet on an inclined plane
[NPL-DMM(A)-20] 15 p2426 N91-23438
Scattering in electron spectrometers
[NPL-DMM(A)-19] 15 p2431 N91-23467
Comparison of factors given in ICRU report 23 and IAEA TRS 277 for converting from exposure/air kerma to absorbed dose to water for medium energy x rays
[NPL-RSA(EXT)-15] 24 p3963 N91-32147
Standards for polymer matrix composites. Part 2: Assessment and comparison of CRAG test methods
[NPL-DMM(A)-7-PT-2] 24 p3970 N91-32174
A literature review of inclusion removal by filtration and flotation
[NPL-DMM(A)-13] 24 p3974 N91-32201
Effect of prior mechanical deformation on hydrogen transport through 13 percent chromium martensitic stainless steel
[NPL-DMM(A)-14] 24 p3975 N91-32202
Report on the photogrammetric determination of the shape of a 10m diameter microwave antenna
[NPL-MOM-103] 24 p3983 N91-32248
The United Kingdom waveguide power standards above 40 GHz
[NPL-DES-105] 24 p4005 N91-32395
A VDM-SL specification for the VI pattern matcher
[NPL-DITC-171/91] 24 p4083 N91-32808

Approved Ada uniformity issues
[NPL-DITC-172/91] 24 p4083 N91-32809
The language compatible arithmetic standard and Ada
[NPL-DITC-173/91] 24 p4083 N91-32810
Acoustic damping of honeycomb-construction plates by pressure-sensitive adhesives
[NPL-DES-107] 24 p4094 N91-32872
Noise levels of USAF aircraft in exercise Luce Belle
[NPL-RSA(EXT)-16] 24 p4094 N91-32873
Intercomparison of standards of absorbed dose between the USSR and the UK
[NPL-RSA(EXT)-17] 24 p4094 N91-32874
Environmental radioactivity measurement intercomparison exercise 1990
[NPL-RSA(EXT)-20] 24 p4094 N91-32875

NATIONAL RADIO ASTRONOMY OBSERVATORY, CHARLOTTESVILLE, VA.
A survey of the properties of early-type galaxies
05 p0735 N91-14109
Radio astronomy 24 p4119 N91-33018

NATIONAL RADIO ASTRONOMY OBSERVATORY, SOCORRO, NM.
High brightness neutral hydrogen in M31: A new probe of interstellar pressure 05 p0754 N91-14196
Current star formation in S0 galaxies: NGC 4710
05 p0760 N91-14224
Radio continuum observations of the quasar-galaxy pair 3C 232-NGC 3067 05 p0760 N91-14226

NATIONAL RADIO ASTRONOMY OBSERVATORY, TUCSON, AZ.
Longwave spectral dependence of emission from warm dust clouds 06 p0895 N91-14945

NATIONAL RESEARCH COUNCIL OF CANADA, OTTAWA (ONTARIO).
The IAR high Reynolds number two-dimensional test facility: A description of equipment and procedures common to most 2-D airfoil tests
[AD-A226629] 05 p0615 N91-13409
Performance and operational capabilities of the Large European Acoustic Facility (LEAF)
07 p0954 N91-15245
Air-ground interface: Surface waves, surface impedance and acoustic-to-seismic coupling coefficient
08 p1214 N91-16685
Non-linear generation of acoustic noise in the IAR spacecraft 11 p1659 N91-19143
Oscillatory test techniques 14 p2192 N91-22107
Large amplitude oscillations 14 p2192 N91-22108
Report on the Special Hydrogen Maser Workshop
17 p2855 N91-25786
Compressor fault modelling for engine health monitoring: Review and recommendations
[NRC-TR-ENG-004] 21 p3458 N91-29178
An investigation into the use of side-arm control for civil rotorcraft applications
[AD-A226628] 21 p3460 N91-29190
An overview of aerothermal modeling
[NRC-32088] 21 p3472 N91-29258
Computational fluid dynamics at NRC: A directory of practitioners and activities
[NRC-TTP-02-89] 21 p3510 N91-29490
Matching of complex 3-D surfaces using dynamic programming
[ERB-1022] 21 p3553 N91-29743
Using the Harmony operating system: Release 3.0
[ERA-377] 21 p3562 N91-29799
Theory and computer simulation of the interactional neural network
[NRC-30269] 21 p3562 N91-29800
Piecework linear least-squares approximation planar curves including computer programs
[NRC-31069] 21 p3564 N91-29811
Bulletin of the Division of Electrical Engineering, 1988-1989
[NRC-30458] 21 p3607 N91-30071
NRC annual report, 1988/1989
[NRC-30398] 21 p3608 N91-30072
Three-dimensional time domain model of lightning including corona effects 24 p4064 N91-32702

NATIONAL RESEARCH INST. FOR METALS, IBARAKI (JAPAN).
Solidification of an Al-Pb-Bi alloy under microgravity (TEXUS 13) 23 p3843 N91-31427

NATIONAL RESEARCH INST. FOR METALS, TOKYO (JAPAN).
Research and development of materials databases in Japan 10 p1613 N91-18900

NATIONAL RESEARCH INST. FOR POLLUTION AND RESOURCES, TOKYO (JAPAN).
Hydrocarbon group-type analysis of petroleum distillates and residues by high-performance liquid chromatography
[DE91-727527] 06 p0806 N91-14451
Experimental study on mercury heat pipes (on effect of screen mesh wick under bottom heat mode)
08 p1141 N91-16280

NATIONAL SCIENCE FOUNDATION, WASHINGTON, DC.
A review and reflections on the sun-climate connection 03 p0447 N91-12499
National patterns of R and D resources: 1990
[PB90-259839] 09 p1419 N91-17811
Scientific and engineering research facilities at universities and colleges, 1990
[PB90-272006] 09 p1424 N91-17837
Neurocontrol and fuzzy logic: Connections and designs 12 p1966 N91-20817

NATIONAL SEVERE STORMS FORECAST CENTER, KANSAS CITY, MO.
Verification of severe local storm forecasts issued by the National Severe Storms Forecast Center: 1989
[PB91-129056] 12 p1924 N91-20588
Severe thunderstorm cases of July 1989 thru June 1990
[PB91-201392] 24 p4070 N91-32738

NATIONAL SEVERE STORMS LAB., NORMAN, OK.
DOPLIGHT 1987 project summary
[PB90-253584] 05 p0689 N91-13834
Gust front/wind shift detection algorithm for the terminal Doppler weather radar
[DOT/FAA/NR-91/4] 13 p2121 N91-21671
Enhancements to the terminal Doppler weather radar gust front algorithm
[DOT/FAA/NR-91/3] 14 p2255 N91-22473
The terminal Doppler weather radar tornadic vortex signature detection algorithm
[DOT-FAA-NR-91-5] 15 p2468 N91-23675
Lightning threat to aircraft: Do we know all we need to know? 24 p4046 N91-32600
Intracloud development of lightning strikes to aircraft
24 p4046 N91-32602

NATIONAL SOLAR OBSERVATORY, TUCSON, AZ.
Secular change in equivalent width of C 5380, 1978-1990 03 p0448 N91-12502

NATIONAL SPACE COUNCIL, WASHINGTON, DC.
National Space Council: 1990 report to the President
[PB91-175976] 22 p3625 N91-30169

NATIONAL SPACE DEVELOPMENT AGENCY, IBARAKI (JAPAN).
Development of a two-phase cold plate
08 p1140 N91-16277
Application of knowledge-based system to spacecraft monitoring 14 p2216 N91-22250
Research and development of future space robotics in NASDA 15 p2451 N91-23582

NATIONAL SPACE DEVELOPMENT AGENCY, TOKYO (JAPAN).
Activities of the NASDA installations and offices
09 p1422 N91-17829
JEM ground control system 14 p2211 N91-22210
Type 1 Space Operations and Data System (SODS) concept 14 p2212 N91-22220
A plan of NASDA's parts database in the reliability information system 24 p4003 N91-32381

NATIONAL TAIWAN UNIV., TAIPEI.
International Union of Theoretical and Applied Mechanics (IUTAM) Symposium on Aerothermodynamics in Combustors
[AD-A237943] 21 p3514 N91-29516

NATIONAL TECHNICAL INFORMATION SERVICE, SPRINGFIELD, VA.
NTIS bibliographic database user's guide for final issue tape format and IA-edit internal tape format (revised)
[PB91-149500-REV] 16 p2698 N91-24945
Directory of Federal laboratory and technology resources: A guide to services, facilities, and expertise
[ISBN-0-934213-21-6] 16 p2705 N91-24971
A directory of scientific and technical information programs in the US Government
[PB91-180216] 22 p3767 N91-31000

NATIONAL TECHNICAL UNIV., ATHENS (GREECE).
Arbitrary blade section design based on viscous considerations 10 p1458 N91-18037

NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION, ANNAPOLIS, MD.
Hydrologic and meteorological operations in the 162-174 and 406.1-420 MHz bands
[PB90-207820] 01 p0033 N91-10199
NTIA Microcomputer Spectrum Analysis Models (MSAM) manual
[PB91-100669] 09 p1308 N91-17177

NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION, BOULDER, CO.
Image data compression overview: Issues and partial solutions
[PB90-172008] 01 p0134 N91-10796
Distribution of the daily foF2 about the monthly median
[PB90-252404] 04 p0513 N91-12851
Design of experiments to quantify communication satellite system performance
[PB91-129635] 13 p2069 N91-21395
Long-term performance and propagation measurements on single and tandem digital microwave transmission links. Volume 1: Analysis of measurement data
[PB91-129643] 13 p2069 N91-21396
Long-term performance and propagation measurements on single and tandem digital microwave transmission links. Volume 2: Appendixes
[PB91-129650] 13 p2069 N91-21397
Extended database of microwave common carrier antenna gain patterns
[PB91-119206] 13 p2069 N91-21398
Atmospheric 60-GHz oxygen spectrum: Modeling and laboratory measurements
[PB91-172809] 19 p3187 N91-27626
Wideband HF noise/interference modeling, part 1. First-order statistics. Technical memorandum series
[PB91-208454] 24 p3988 N91-32281

NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION, WASHINGTON, DC.
Telecommunications networks: Services, architectures, and implementations
[PB91-151852] 16 p2617 N91-24486
Spectrum required for HF broadcasting
[PB91-151860] 16 p2617 N91-24487

NATIONAL TRANSPORTATION SAFETY BOARD, WASHINGTON, DC.
Aircraft accident report: Aloha IslandAir, Inc., Flight 1712, de Havilland Twin Otter, DHC-6-300, N707PV, Halawa Point, Molokai, Hawaii, October 28, 1989
[PB90-910405] 05 p0617 N91-13425
Aircraft incident report: USAir flight 105, Boeing 737-200, N283AU, Kansas City International Airport, Missouri, September 8, 1989
[PB90-910404] 07 p0938 N91-15140
Aircraft accident report: United Airlines flight 232, McDonnell Douglas DC-10-10, Sioux Gateway Airport, Sioux City, Iowa, 19 July 1989
[PB90-910406] 07 p0938 N91-15143
Annual review of aircraft accident data, US general aviation, calendar year 1988
[PB91-156851] 19 p3099 N91-27123
Annual review of aircraft accident data. US air carrier operations, calendar year 1987
[PB91-119693] 19 p3103 N91-27143
Aircraft accident reports: Brief format US civil and foreign aviation issue Number 1 of 1989 accidents
[PB90-916901] 21 p3454 N91-29157
Aircraft accident report: Runway collision of Eastern Airlines Boeing 727, flight 111 and Epps Air Service Beechcraft King Air A100, Atlanta Hartsfield International Airport, 18 January 1990
[PB91-910403] 22 p3615 N91-30110
Annual review of aircraft accident data. US air carrier operations, calendar year 1988
[PB91-176040] 23 p3786 N91-31110
Aircraft accident report: Avianca, the Airline of Columbia, Boeing 707-321B, HK 2016, fuel exhaustion, Cove Neck, New York, January 25, 1990
[PB91-910404] 24 p3952 N91-32087

NATIONAL UNIV. OF SINGAPORE.
The simplification of fuzzy control algorithm and hardware implementation 13 p2140 N91-21781

NATIONAL WEATHER SERVICE, FORT WORTH, TX.
Q-vectors: A new approach to an old problem
[PB90-235490] 01 p0069 N91-10414
Diagnosing thunderstorm potential using AFOS
[PB90-238841] 09 p1366 N91-17507
Estimating the strength of the capping inversion and the probability of strong convection
[PB91-176685] 23 p3896 N91-31744
A quantitative analysis of quasi-geostrophic forcing during recent severe weather outbreaks across the southern Great Plains
[PB91-176693] 23 p3896 N91-31745

NATIONAL WEATHER SERVICE, HONOLULU, HI.
The 1990 tropical cyclones: Central North Pacific
[PB91-184564] 22 p3710 N91-30647

NATIONAL WEATHER SERVICE, MELBOURNE, FL.
Three initial climatological studies for Melbourne, Florida: A first step in the preparation for future operations
[PB91-100222] 09 p1358 N91-17463

NATIONAL WEATHER SERVICE, SALT LAKE CITY, UT.
Stratus surge prediction along the Central California coast
[PB91-129239] 13 p2120 N91-21668
CLINEWS: NOAA Western Region computer programs and problems
[PB91-200709] 24 p4086 N91-32831

NATIONAL WEATHER SERVICE, WASHINGTON, DC.
National Weather Service fire weather program user information
[PB91-137844] 17 p2812 N91-25542

NATIONAL WEATHER SERVICE, WILMINGTON, NC.
Historical account of tropical cyclones that have impacted North Carolina since 1586
[PB90-259201] 09 p1368 N91-17515
NAUTICAL ALMANAC OFFICE, WASHINGTON, DC.
Astronomical phenomena for the year 1990
06 p0912 N91-15035
The Air Almanac, 1990 06 p0912 N91-15036
The Astronomical Almanac for the year 1989
[ISBN-0-11-886932-9] 06 p0912 N91-15038
The Astronomical Almanac for the year 1990
[ISBN-0-11-886934-5] 06 p0912 N91-15039
The Nautical Almanac for the year 1989
07 p1080 N91-15946
NAVAL ACADEMY, ANNAPOLIS, MD.
Development of a taction system using piezoelectric film
[AD-A227076] 06 p0822 N91-14544
On the breakdown of a vortex
[AD-A227066] 06 p0827 N91-14568
Explosive cyclogenesis: A case study of the Veterans' Day storm of 11-12 November 1987
[AD-A227077] 06 p0850 N91-14691
Upwelling southwest of Iceland due to quasi-geostrophic flow
[AD-A227129] 06 p0851 N91-14698
Development of phenomenological fitting procedure for the fast microcomputer
[AD-A227168] 06 p0861 N91-14759
A model of the acoustic interactions occurring under Arctic ice
[AD-A227128] 06 p0869 N91-14806
Development of an external beam ion millliprobe
[AD-A227247] 08 p1149 N91-16329
MIMES and GeoShack 10 p1480 N91-18154
Summary of research academic departments, October 1990
[AD-A234353] 18 p3097 N91-27118
NAVAL AEROSPACE MEDICAL INST., PENSACOLA, FL.
Motion sickness and its relation to some forms of spatial orientation: Mechanisms and theory
24 p4074 N91-32761
Factors influencing susceptibility: Individual differences and human factors 24 p4074 N91-32763
NAVAL AEROSPACE MEDICAL RESEARCH LAB., PENSACOLA, FL.
Naval aviation selection test scores and female aviator performance 02 p0245 N91-11363
Sustained flight operations in Navy P-3 aircraft
[AD-A226412] 04 p0479 N91-12672
Validation of dichotic listening and psychomotor task performance as predictors of primary flight training criteria: Highlighting relevant statistical issues
[AD-A227010] 06 p0854 N91-14717
Vestibular stimulation during a simple centrifuge run
[AD-A227285] 07 p1035 N91-15678
Sustained/Continuous Operations Subgroup of the Department of Defense Human Factors Engineering Technical Group: Program summary and abstracts
[AD-A223901] 07 p1037 N91-15689
Predicting F-14 Air Combat Maneuvering (ACM) performance using an automated battery of cognitive/psychomotor tests
[AD-A228593] 13 p2023 N91-21128
Modeling for human performance assessment
[AD-A232905] 16 p2663 N91-24736
Micro SAINT modeling of physiological and human performance in the heat
[AD-A238659] 21 p3549 N91-29719
Analysis of Naval aviation selection test data with nonlinear models. Part 1: Parameter estimation
[AD-A238244] 21 p3550 N91-29728
Performance of Marine AV-8B (Harrier) pilots on a cognitive/psychomotor test battery: Comparison and prediction
[AD-A238563] 21 p3551 N91-29729
Performance of several different Naval aviator communities on a cognitive/psychomotor test battery: Pipeline comparison and prediciton
[AD-A238564] 21 p3551 N91-29730
The effect of three levels of laser glare on the speed and accuracy of target location performance when viewing a briefly presented visual array
[AD-A238565] 21 p3552 N91-29736
NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PA.
Accommodation of female aircrew in USN protective flight clothing and equipment 02 p0247 N91-11375
Optimal control and model reduction using a finite-interval H upsilon criterion
[AD-A226490] 04 p0487 N91-12706
Superconducting Josephson Junction Gyroscope (JJG) 05 p0724 N91-14043
Enhancing tolerance to acceleration (+Gz) stress: The Hook maneuver
[AD-A231094] 13 p2127 N91-21707
The development of perceptual/motor and cognitive performance measures under a high-G environment: A preliminary study
[AD-A231289] 13 p2127 N91-21709
Ventilation loss and pressurization in the NASA launch/entry suit: Potential for heat stress
[NASA-CR-188075] 13 p2129 N91-21719
Soil-resistant treatment for aircraft tactical paint schemes
[AD-A231424] 14 p2193 N91-22115
Agility: A rational development of fundamental metrics and their relationship to flying qualities
15 p2373 N91-23129
Worst-case design of optimal controllers over a finite horizon
[AD-A232353] 15 p2492 N91-23797
Flexural fatigue behavior of ARALL (trademark) laminates
[AD-A233451] 16 p2590 N91-24353
Flight control law synthesis using neural network theory
[AD-A234990] 18 p2927 N91-26149
An anisotropic laminated damped plate theory
[AD-A234446] 18 p2941 N91-26222
Mechanical properties of spray atomized SiC particle reinforced aluminum-titanium alloys
[AD-A235231] 18 p2955 N91-26306
Fundamentals and methods of high angle-of-attack flying qualities research
[AD-A235994] 19 p3104 N91-27151
The 270 volt direct current generator performance evaluation
[AD-A236946] 19 p3160 N91-27472
Rapid solidification processing of Al3Ti and Al3Ti plus copper
[AD-A236600] 20 p3314 N91-28343
Proceedings of the Tri-Service Conference on Corrosion
[AD-A229334] 22 p3650 N91-30311
Effect of wind over deck conditions on aircraft approach speeds for carrier landings
[AD-A239511] 23 p3791 N91-31141
The G-LOC syndrome
[AD-A239561] 23 p3900 N91-31768
Adaptive function allocation for intelligent cockpits
[AD-A239714] 23 p3907 N91-31808
Aircrew critique of high-G centrifuge training. Part 1: What was the best part of the program?
[AD-A239781] 23 p3907 N91-31809
NAVAL AIR PROPULSION TEST CENTER, TRENTON, NJ.
The development of a computational model to predict low temperature fuel flow phenomena
23 p3795 N91-31166
Environmental icing testing at the Naval Air Propulsion Center 23 p3795 N91-31167
NAVAL AIR STATION, NORFOLK, VA.
The integration of women into US Navy aircrew training and squadron assignments 02 p0244 N91-11359
NAVAL AIR TEST CENTER, PATUXENT RIVER, MD.
Results of the recent precipitation static flight test program on the Navy P-3B antisubmarine aircraft
24 p4050 N91-32626
Activation of the Navy's indirect effects lightning simulation laboratory 24 p4051 N91-32628
NAVAL ARCTIC RESEARCH LAB., BARROW (ALASKA).
Naval arctic manual, ATP 17(A)
[PB91-193920] 24 p4042 N91-32584
NAVAL BIODYNAMICS LAB., NEW ORLEANS, LA.
Bibliography of scientific publications of the Naval Biodynamics Laboratory: 1980-1990
[AD-A229030] 09 p1372 N91-17539
Physiology data acquisition system description
[AD-A231088] 13 p2127 N91-21706
Human short-latency somatosensory evoked potentials in impact acceleration research: Equipment, procedures, and techniques
[AD-A232732] 15 p2475 N91-23709
Ship roll stabilization and human performance
[AD-A232721] 15 p2478 N91-23721
A statistical analysis of -X rhesus head kinematics
[AD-A233977] 18 p3020 N91-26674
NAVAL CIVIL ENGINEERING LAB., PORT HUENEME, CA.
Rapid Runway Repair (RRR) techniques: A systems analysis
[AD-A225238] 03 p0317 N91-11776
Automated dynamic relaxation solution algorithms for compliant systems
[AD-A226383] 04 p0564 N91-13131
A constitutive relationship between crack propagation and specific damping capacity in steel
[AD-A230049] 12 p1913 N91-20521
Liquid water production from atmospheric sources
[AD-A235090] 18 p2972 N91-26406
Advanced material handling equipment controls
[AD-A235091] 18 p2995 N91-26540
User data package for Compressed Natural Gas (CNG) vehicles for Navy applications
[AD-A235998] 19 p3174 N91-27551
Literature review: Computer aided assessment techniques for nonpoint source discharges
[AD-A236347] 19 p3187 N91-27622
Energy conserving coating: Pigment research
[AD-A237841] 21 p3488 N91-29356
NAVAL ENVIRONMENTAL PREDICTION RESEARCH FACILITY, MONTEREY, CA.
Impact of icing on Unmanned Aerial Vehicle (UAV) operations
[AD-A231191] 13 p2022 N91-21124
Satellite cloud analyses: A nowcasting capability for the US Navy's TESS(3)
[AD-A231120] 13 p2122 N91-21676
The oceanic cloudy atmosphere: Measurement requirements and solution options
[AD-A231121] 13 p2122 N91-21677
Cloud classification of DMSP visible and IR imagery using physical and textural features
[AD-A231186] 13 p2122 N91-21680
NAVAL HEALTH RESEARCH CENTER, SAN DIEGO, CA.
Napping, stimulant, and four choice performance
[AD-A230366] 12 p1929 N91-20615
Body composition in military services: Standards and methods
[AD-A230435] 12 p1933 N91-20637
Smoking, exercise, and physical fitness
[AD-A234658] 18 p3028 N91-26717
Methylphenidate and pemoline: Effects on sleepiness and mood during sleep deprivation
[AD-A234659] 18 p3028 N91-26718
Effect of a passive cooling vest on tension/anxiety and fatigue in a high heat and high humidity naval environment
[AD-A234657] 18 p3035 N91-26755
Sleep logs: Measurement of individual and operational efficiency
[AD-A239774] 23 p3900 N91-31770
NAVAL MEDICAL RESEARCH AND DEVELOPMENT COMMAND, BETHESDA, MD.
Development and evaluation of a human performance assessment battery
[AD-A237391] 21 p3550 N91-29724
Naval medical research and development command
[AD-A239393] 23 p3899 N91-31765
NAVAL MEDICAL RESEARCH INST., BETHESDA, MD.
Effects of hand and foot heating on diver thermal balance
[AD-A226430] 04 p0552 N91-13064
Development of an animal model of human non-freezing cold injury: Changes in thermal sensitivity following cold exposure
[AD-A227174] 06 p0852 N91-14705
Effects of multiple cold air exposures on delayed matching to sample performance
[AD-A228390] 09 p1371 N91-17534
The Trendelenburg position after cerebral air embolism in dogs: Effects on the somatosensory evoked potential, intracranial pressure, and blood-brain barrier
[AD-A233809] 18 p3020 N91-26673
Young and older observers show similar perceived contrast functions for isoluminant stimuli
[AD-A233766] 18 p3027 N91-26709
COLDEX-86: Physical work capacity during prolonged cold water immersion at 6.1 msw
[AD-A233767] 18 p3027 N91-26710
COLDEX-86: Fluid and electrolyte changes during prolonged cold water immersion
[AD-A233768] 18 p3027 N91-26711
COLDEX-86: Summary of the experimental protocol and general results
[AD-A234031] 18 p3028 N91-26715
Computer-based techniques for collection of pulmonary function variables during rest and exercise
[AD-A236482] 19 p3212 N91-27755
A technique for measuring the solubilities of gases in liquids
[AD-A238071] 21 p3476 N91-29278
Basic operation and preliminary trials of a detector for stationary gas bubbles
[AD-A239710] 23 p3900 N91-31769
NAVAL OBSERVATORY, WASHINGTON, DC.
The Air Almanac, 1989 06 p0912 N91-15037
The Nautical Almanac for the year 1988
07 p1078 N91-15929
Astronomical phenomena for the year 1991
[ISBN-0-11-886933-7] 09 p1424 N91-17838
The Nautical Almanac for the year 1990
10 p1615 N91-18909

On high frequency spectral analysis of very noisy stochastic processes and its application to ERP series determined by VLBI and SLR
[AD-A236987] 19 p3184 N91-27608
Central solar eclipses of 1992. Annual solar eclipse of 4-5 January 1992, total solar eclipse of 30 June 1992
[AD-A237614] 21 p3607 N91-30069

NAVAL OCEAN RESEARCH AND DEVELOPMENT ACTIVITY, BAY SAINT LOUIS, MS.

Data base structure to support the production of the digital bathymetric data base
[AD-A227915] 08 p1241 N91-16841
Quality control algorithms for ocean temperature data
[AD-A229984] 12 p1927 N91-20602
Portable intelligent diagnostic aids
[AD-A230883] 15 p2489 N91-23782

NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CA.

Super High Frequency (SHF) Link Analysis Model (SLAM) for nonsatellite applications
[AD-A225323] 03 p0357 N91-11997
Assessment of Li/SOCl2 battery technology: Reserve, thin-cell design, volume 3
[AD-A226184] 04 p0519 N91-12892
Proceedings of the Environmental Research and Development (R/D) Technical Workshop
[AD-A225806] 04 p0545 N91-13023
Fractal-based image compression, 2
[AD-A226500] 04 p0565 N91-13136
Superconducting wire fabrication
[AD-A228012] 07 p1075 N91-15915
Integrated Refractive Effects Prediction System (IREPS) user's manual, revision PC-2.0
[AD-A228549] 08 p1128 N91-16203
Canonical eigenvalues. Part 2: Application to one-layer, bounded, underwater acoustic ducts
[AD-A227451] 08 p1213 N91-16677
Liquid metal fuel combustion mechanics
[AD-A230648] 12 p1866 N91-20254
Specification for a surface-search radar-detection-range model
[AD-A229711] 12 p1884 N91-20357
A head coupled sensor platform for teleoperated ground vehicles
[AD-A230649] 12 p1907 N91-20496
Systolic signal processor/high frequency direction finding
[AD-A229706] 12 p1956 N91-20762
Cramer-Rao Bound, MUSIC, and maximum likelihood. Effects of temporal phase difference
[AD-A230259] 12 p1973 N91-20854
Specification for a standard radar sea clutter model
[AD-A230848] 13 p2071 N91-21409
Characterizing and improving the performance of the MVDR processor
[AD-A231928] 14 p2267 N91-22545
Adaptive mixture approach to pattern recognition
[AD-A231831] 14 p2306 N91-22742
Photoresponse studies of ion-damaged germanium for optoelectronic switch applications
[AD-A232091] 15 p2419 N91-23400
Mathematical techniques for the Performance Oriented Design (POD) tool
[AD-A232092] 15 p2486 N91-23767
An event-activation record approach to simulation modeling in Ada: User's guide
[AD-A232093] 15 p2486 N91-23768
Evaporation duct communication: Test Plan
[AD-A233467] 16 p2618 N91-24494
Laser processing of Silicon On Sapphire (SOS) for fabrication of bipolar transistors
[AD-A233390] 16 p2621 N91-24511
BMD/Ada bit-oriented message definer: A tool to define bit-oriented messages in Ada
[AD-A233576] 16 p2671 N91-24782
Modeling the environment of a mobile security robot
[AD-A233074] 16 p2676 N91-24809
A lidar technique for adjusting aerosol model number densities close to the ocean surface
[AD-A232042] 16 p2689 N91-24883
Wide-band RF signal processing with optoelectronic devices and fiber-optic delay lines
[AD-A233388] 16 p2689 N91-24888
De-embedding millimeter-wave integrated circuits with TRL
[AD-A234194] 18 p2978 N91-26442
Backplane bus distributed realtime clock synchronization
[AD-A234476] 18 p2987 N91-26491
Evaluation of the Navy oceanic vertical aerosol model using lidar and PMS particle-size spectrometers
[AD-A233653] 18 p3011 N91-26625
Iterated transform image compression
[AD-A233655] 18 p3038 N91-26769
Thickness measurements of silicon films using partial coherence interferometry
[AD-A235211] 18 p3064 N91-26930
Ohmic contacts to semiconducting diamond
[AD-A234130] 18 p3068 N91-26950
On-line magnetic tape Library Inventory Tracking And Reporting (LITAR) system
[AD-A234934] 18 p3077 N91-27004
Observations of ELF signatures arising from space vehicle disturbances of the ionosphere
[AD-A236563] 19 p3152 N91-27423
Laser-based display technology development at the Naval Ocean Systems Center (NOSC)
[AD-A236968] 19 p3172 N91-27538
AEGIS status-display formats: Tradeoff studies
[AD-A236969] 19 p3215 N91-27771
Some pragmatic issues of measurement
[AD-A236992] 19 p3215 N91-27772
Implementation of VQ algorithms on a reconfigurable array processor
[AD-A236483] 19 p3229 N91-27852
Superconcurrency: A form of distributed heterogeneous supercomputing
[AD-A236524] 19 p3230 N91-27854
Fitting of discrete irregularly spaced data with differentiable functions: Application to ray tracing in the ionosphere
[AD-A236770] 19 p3237 N91-27897
Geometric characterization of eigenvalues of covariance matrix for two-source array processing
[AD-A236923] 19 p3237 N91-27899
A scenario-based methodology for evaluating user interface functionality on a database retrieval task
[AD-A236967] 19 p3262 N91-28040
Synthesis of diamond films by microwave generated pulsed plasmas
[AD-A237228] 21 p3486 N91-29341
Detection of targets in terrain clutter by using multispectral infrared image processing
[AD-A237436] 21 p3499 N91-29414
A new system for measurement of low frequency radio transmitting antenna parameters in near real time
[AD-A238555] 21 p3501 N91-29429
The design of a real-time adaptive filter development system
[AD-A237134] 21 p3504 N91-29448
InP and InGaAs submicron gate microwave power transistors for 20 GHz applications
[AD-A238595] 21 p3508 N91-29473
Objective assessments of mobility with an early Unmanned Ground Vehicle (UGV) prototype viewing system
[AD-A237317] 21 p3527 N91-29595
Use of the implicit-finite-difference method to implement the parabolic equation model
[AD-A237437] 21 p3565 N91-29819
Least-squares learning and approximation of posterior probabilities on classification problems by neural network models
[AD-A237140] 21 p3567 N91-29833
Deduction and inference using conditional logic and probability
[AD-A237285] 21 p3567 N91-29834
Responsivity uniformity enhancements for Backside-Illuminated Charge-Coupled Devices (BICCDs) by excimer laser-assisted etching
[AD-A237435] 21 p3595 N91-29997
Optimum space, time, and frequency sampling of the ionosphere with advanced digital ionosondes
22 p3658 N91-30364
Techniques for estimating the effects of man-made radio noise on distributed military systems
22 p3660 N91-30371
Arctic VLF/LF data acquisition
[AD-A239704] 23 p3858 N91-31510

NAVAL OCEANOGRAPHIC AND ATMOSPHERIC RESEARCH LAB., BAY SAINT LOUIS, MS.

A compendium of environmental data collected during the Iceshelf-88 exercise
[AD-A223518] 02 p0242 N91-11346
Notes on the NOARL nowcast for the 1989 to 1990 El Nino forced by FNOC winds
[AD-A223520] 02 p0242 N91-11347
A predictive geomagnetic field model for epoch 1990.5
[AD-A226491] 04 p0548 N91-13038
Oceanographic expert system validation using GOAP mesoscale products and Gulf/DART validation test data
[AD-A226929] 06 p0850 N91-14693
Multispectral imagery support for ocean venture 90
[AD-A227119] 06 p0851 N91-14697
XCTD Test: Reliability and Accuracy Study (XTRAS)
[AD-A227527] 09 p1369 N91-17521
Sea ice lead statistics from satellite imagery of the Lincoln Sea during the iceshelf acoustic exercise, Spring, 1990
[AD-A228735] 09 p1369 N91-17525
A 1/8 degree model of the north Pacific Ocean
[AD-A228957] 09 p1369 N91-17526
Diurnal ocean surface layer model validation
[AD-A229010] 09 p1370 N91-17528
Microbiologically influenced corrosion in copper and nickel seawater piping systems
[AD-A229874] 11 p1685 N91-19287
Transient signal distortion in a multipath environment
[AD-A230737] 12 p1888 N91-20379
Performance of neural networks in classifying environmentally distorted transient signals
[AD-A230739] 12 p1888 N91-20380
Geometric rectification of high resolution airborne multispectral data
[AD-A230696] 12 p1917 N91-20548
Active/passive optical hydrography
[AD-A230697] 12 p1918 N91-20549
Microwave signatures and physical characteristics of snow covered and desalinated young sea ice
[AD-A230736] 12 p1918 N91-20550
Glint removal from multispectral imagery over clear water
[AD-A230792] 12 p1918 N91-20551
The structure and dynamics of tropical-midlatitude interactions
[AD-A229904] 12 p1922 N91-20575
Classification of underwater acoustic transients by artificial neural networks
[AD-A230081] 12 p1927 N91-20603
Tropical cyclone track objective aids for the microcomputer: PCLM, XTRP, PCHP
[AD-A230851] 13 p2121 N91-21675
Implementation of an oceanographic expert system: Problems, feedback, solutions
[AD-A230886] 13 p2124 N91-21689
Satellite altimetry for naval oceanography
[AD-A231081] 13 p2124 N91-21691
Objective use of satellite altimetry and IR in simulations of western boundary current dynamics
[AD-A231628] 13 p2125 N91-21695
High-frequency acoustic scattering
[AD-A230880] 13 p2148 N91-21836
Scattering in the time domain from submerged elastic shells at coincidence frequencies
[AD-A231122] 13 p2148 N91-21837
Transient solutions from scattered fields in a waveguide
[AD-A231124] 13 p2149 N91-21838
Mineralogical fingerprints for corrosion processes induced
[AD-A229840] 14 p2245 N91-22417
The Navy standard compressed aeronautical chart database
[AD-A235340] 18 p3003 N91-26587
NEONS environmental database: Recent developments
[AD-A236477] 19 p3184 N91-27607
Accuracy of ocean color data derived from the Coastal Zone Color Scanner (CZCS)
[AD-A235719] 19 p3204 N91-27713
Proceedings of the Automated Interpretation of Oceanographic Satellite Images Workshop
[AD-A235811] 19 p3205 N91-27715
The effects of sound speed on the shape of the ocean impulse response
[AD-A236567] 19 p3205 N91-27718
Investigation of boundary layer modification during GUFMEX
[AD-A236744] 19 p3206 N91-27719
An AVHRR data set for the arctic leads ARI
[AD-A237221] 21 p3534 N91-29637
Algorithms for converting geodetic Earth location to satellite time and swath pixel coordinates for the DMSP satellite system
[AD-A237589] 21 p3534 N91-29638
Dependence of radar backscatter on the energetics of the air-sea interface
[AD-A237818] 21 p3543 N91-29685
An expert system approach for prediction of maritime visibility obscuration
[AD-A238305] 21 p3543 N91-29688
Fitting seasonal averages with a continuous function
[AD-A238300] 21 p3546 N91-29704
Altimeter Sea Ice Workshop
[AD-A229396] 22 p3695 N91-30574
Environmental conditions in the Gulf of Mexico during November-December
[AD-A229384] 22 p3708 N91-30638

NAVAL OCEANOGRAPHIC AND ATMOSPHERIC RESEARCH LAB., MONTEREY, CA.

Tactical Environmental Support System (TESS(3)) satellite cloud analyses
[AD-A231247] 13 p2122 N91-21681

NAVAL OCEANOGRAPHIC OFFICE, BAY SAINT LOUIS, MS.

Aircraft measurements in the Northeast Pacific, summer 1989
[AD-A225857] 04 p0542 N91-13006

Comparison of thematic mapper and NOARL scanner multispectral bathymetry estimates
[AD-A226273] 04 p0542 N91-13007
Seismic reflection profiles, Somali Basin data report: USNS Wilkes
[AD-A226050] 04 p0547 N91-13035
Compaction of global data fields
[AD-A225856] 04 p0605 N91-13369
North Pacific guyots
[AD-A239388] 23 p3897 N91-31754

NAVAL ORDNANCE STATION, INDIAN HEAD, MD.
Solid rocket booster integration with the AQM-37C missile target 16 p2577 N91-24280
Heats of explosion, detonation and reaction products: Their estimation and relation to the first law of thermodynamics 16 p2579 N91-24297

NAVAL POSTGRADUATE SCHOOL, MONTEREY, CA.
Marine stratocumulus cloud characteristics from multichannel satellite measurements 01 p0085 N91-10502
Spacecraft design project: High latitude communications satellite
[NASA-CR-186689] 02 p0185 N91-11039
Mapping the airwake of a model DD-963 along specific helicopter flight paths
[AD-A225327] 03 p0301 N91-11681
Application of H infinity method to modern fighter configuration
[AD-A225400] 03 p0312 N91-11748
A combined optical and collection probe for solid propellant exhaust particle analysis
[AD-A225330] 03 p0324 N91-11803
A comparison of the aging kinetics of a cast Alumina-6061 aluminum composite and a monolithic 6061 aluminum alloy
[AD-A225398] 03 p0342 N91-11916
Nationwide mobile communication systems, volume 1, chapters 1 thru 4
[AD-A225366] 03 p0357 N91-11999
Nationwide mobile communication systems. Volume 2, chapter 5: Appendix A
[AD-A225367] 03 p0357 N91-12000
Nationwide mobile communication systems. Volume 3: Appendix B - D
[AD-A225368] 03 p0358 N91-12001
An electromagnetic radome model using an interactive micro-computer finite element algorithm
[AD-A225370] 03 p0358 N91-12002
Variable-frequency Pulse-Width-Modulation (PWM) for zero voltage switching in a boost dc-dc regulator
[AD-A225303] 03 p0360 N91-12017
Circuit models for inductive strips in fin-line
[AD-A225309] 03 p0360 N91-12018
Physical processes in hollow cathode discharge
[AD-A225329] 03 p0360 N91-12020
Statistical approach to fault detection of gears
[AD-A225386] 03 p0374 N91-12094
Experimental studies of circular viscoelastic waveguide absorbers for passive structural damping
[AD-A225409] 03 p0382 N91-12133
Power recovery of radiation-damaged Gallium Arsenide and Indium Phosphide solar cells
[AD-A225307] 03 p0387 N91-12155
Comparison of the dynamics of a land versus oceanic explosive cyclone
[AD-A225529] 03 p0392 N91-12183
An analysis of the effect of frequency of task performance on job performance measurement
[AD-A225304] 03 p0396 N91-12202
Computer graphics adaptation of several aerodynamic prediction programs
[AD-A225302] 03 p0406 N91-12264
Multiprocessor scheduling for hard real-time software
[AD-A225332] 03 p0406 N91-12265
The computer simulation and modeling of a flexible missile in 2-D motion
[AD-A225387] 03 p0406 N91-12266
A model for merging different versions of a PSDL program
[AD-A225404] 03 p0406 N91-12267
Automated fiber optic measurements
[AD-A225328] 03 p0418 N91-12342
The design of a DL/I-to-Network interface for the multi-model, multi-lingual, multi-backend database system
[AD-A225310] 03 p0428 N91-12395
Optical storage system for shipboard supply documents
[AD-A225369] 03 p0428 N91-12397
Aeropredictive methods for missile analysis
[AD-A225403] 04 p0470 N91-12636
ACMS: A prototype expert database for air combat maneuvering
[AD-A225774] 04 p0478 N91-12669
Moving Platform Simulator 3: An enhanced high-performance real-time graphics simulator with multiple resolution display and lighting
[AD-A226393] 04 p0487 N91-12710
Nonmetallic inclusions in HSLA steel weldments
[AD-A226399] 04 p0504 N91-12801
Evaluation of system identification algorithms for aspect-independent radar target classification
[AD-A225918] 04 p0514 N91-12859
A generic set of HF antennas for use with spherical model expansions
[AD-A226061] 04 p0515 N91-12864
The effect of three variables on synthetic speech intelligibility in noisy environments
[AD-A226610] 04 p0516 N91-12869
Design of a sensor-blending Kalman filter for the R2P2 fine-tracking system
[AD-A225433] 04 p0518 N91-12881
Computer simulation of a laser designator in the operational environment
[AD-A225411] 04 p0528 N91-12928
Sequential estimation of age replacement policies
[AD-A226614] 04 p0534 N91-12961
Identification of thermospheric dayglow emissions for the MUSTANG experiment
[AD-A225473] 04 p0547 N91-13032
Solving the weighted region least cost path problem using transputers
[AD-A225399] 04 p0561 N91-13109
A prolog implementation of pattern search to optimize software quality assurance
[AD-A225435] 04 p0561 N91-13110
Affine invariant matching of noisy objects
[AD-A225839] 04 p0562 N91-13121
Truncated sum MVL minimization using the neighborhood decoupling algorithm
[AD-A225916] 04 p0563 N91-13122
Extending the system dynamics model of software project management to a multiproject environment
[AD-A226163] 04 p0563 N91-13127
The classification and evaluation of computer-aided software engineering tools
[AD-A226613] 04 p0565 N91-13137
Analysis of end-to-end performance of LAN systems
[AD-A226161] 04 p0568 N91-13150
Acoustic interactions in arrays of spherical elastic shells
[AD-A226091] 04 p0579 N91-13227
The instrumentation of a parallel and scalable database computer: The multi-backend database computer, for benchmarking its complex operations
[AD-A225385] 04 p0605 N91-13367
Economic development of small-scale information systems
[AD-A226162] 04 p0606 N91-13371
Management concerns for optical based filing systems
[AD-A226400] 04 p0606 N91-13372
The establishment of a management information systems research center at the Naval Postgraduate School
[AD-A226517] 04 p0606 N91-13375
Extremely High Frequency (EHF) Low Probability of Intercept (LPI) communication applications
[AD-A226653] 05 p0647 N91-13591
Assessments of atmospheric effects on VHF and UHF communications
[AD-A226661] 05 p0647 N91-13592
Constrained viscoelastic layer damping of thick aluminum plates: Design, analysis, and testing
[AD-A226556] 05 p0676 N91-13758
Coupling artificial intelligence and a system dynamics simulation to optimize quality assurance and testing in software development
[AD-A226580] 05 p0700 N91-13902
Applications of neural networks to adaptive control
[AD-A225408] 05 p0706 N91-13938
Flexible cooperation in non-standard application environments
[AD-A226486] 05 p0707 N91-13940
Numerical studies of compressible flow over a double-delta wing at high angles of attack
[AD-A226931] 06 p0778 N91-14312
Development of an unmanned air research vehicle for supermaneuverability studies
[AD-A227165] 06 p0783 N91-14342
The effects of liquid propellant motion on the attitude stability of spin stabilized spacecraft
[AD-A227002] 06 p0792 N91-14376
Determination of SPEAR-1 rocket body potential during high-voltage experiments
[AD-A226971] 06 p0800 N91-14417
Thermomechanical processing and ambient temperature properties of a 6061 aluminum 10 volume percent alumina metal matrix composite
[AD-A227004] 06 p0803 N91-14433
An examination of delta prime growth in an aluminum-lithium alloy by x ray diffraction
[AD-A227254] 06 p0808 N91-14464
Processing studies of aluminum-magnesium and aluminum-copper-lithium alloys
[AD-A227255] 06 p0809 N91-14465
Computer aided design models for millimeter-wave suspended substrate microstrip line
[AD-A227259] 06 p0823 N91-14547
Validation of a computational model for autogenous arc welding
[AD-A227258] 06 p0834 N91-14611
The response and failure mechanisms of circular metal and composite plates subjected to underwater shock loading
[AD-A226759] 06 p0838 N91-14631
Developing portable user interfaces for Ada command control software
[AD-A226712] 06 p0859 N91-14747
Evaluations of some scheduling algorithms for hard real-time systems
[AD-A226930] 06 p0861 N91-14755
A performance study of the concurrency control algorithms in hierarchical network with partitioned database
[AD-A227055] 06 p0861 N91-14756
Cyclomatic complexity as a utility for predicting software faults
[AD-A227313] 06 p0862 N91-14760
Minimization on stochastic matroids
[AD-A227413] 06 p0868 N91-14799
DEMON: A media object model incorporating natural language descriptions for retrieval support
[AD-A226711] 06 p0885 N91-14893
Defense Data Network (DDN) performance analysis using probability modeling
[AD-A226856] 06 p0886 N91-14894
Aircraft configuration study for experimental 2-place aircraft and RPVs
[AD-A227604] 07 p0939 N91-15149
Application of chaos methods to helicopter vibration reduction using higher harmonic control
[AD-A226736] 07 p0944 N91-15177
Dielectric charging as a catalyst to the formation of potential barriers on synchronous orbit satellites
[AD-A225796] 07 p0962 N91-15294
Local and spatially averaged heat transfer distributions in a curved channel with 40 to 1 aspect ratio for Dean numbers from 50 to 200
[NASA-CR-187842] 07 p1001 N91-15498
Characterization of the corrosion of a P-130x graphite fiber reinforced 6063 aluminum metal matrix composite
[AD-A228134] 08 p1106 N91-16071
Tactical HF field expedient antenna performance, volume 1
[AD-A228057] 08 p1127 N91-16198
Measurement of the capture effect of frequency modulation
[AD-A228058] 08 p1127 N91-16199
The use of window functions and Kalman filtering in spectral estimation
[AD-A227482] 08 p1134 N91-16236
Instantaneous power spectrum
[AD-A229098] 09 p1329 N91-17301
Transpolar sea ice drift in the vicinity of the Yermak Plateau as observed by ARCTEMIZ 86 buoys
[AD-A228985] 09 p1370 N91-17527
Taskmaster: A prototype graphical user-interface to a schedule optimization model
[AD-A229011] 09 p1384 N91-17614
An investigation of the methodology for software translation from PASCAL to C of an undocumented microcomputer program
[AD-A229033] 09 p1384 N91-17615
Current limiting mechanisms in electron and ion beam experiments 09 p1404 N91-17729
High-Latitude Communications Satellite (HILACS) 10 p1479 N91-18145
An analysis of four error detection and correction schemes for the proposed Federal standard 1024 (land mobile radio)
[AD-A230308] 12 p1882 N91-20346
Recognition of VLSI module isomorphism
[AD-A230298] 12 p1892 N91-20403
Constrained viscoelastic layer damping of thick aluminum plates: Design analysis, and testing
[AD-A230295] 12 p1913 N91-20523
Boundary layer structure of an explosive cyclone
[AD-A230296] 12 p1925 N91-20593
Optical turbulence and rawinsonde measurements for 17-28 September 1989 at Anderson Mesa/United States Naval Observatory, Flagstaff, Arizona
[AD-A230310] 12 p1925 N91-20594

Learning curve and rate adjustment models: Comparative prediction accuracy under varying conditions
[AD-A230075] 12 p1930 N91-20622

Latent factor models and analyses for operator response times
[AD-A229675] 12 p1933 N91-20638

Validating software metrics
[AD-A230309] 12 p1956 N91-20760

Regression analysis of hierarchical poisson-like event rate data: Super-population model effect on predictions
[AD-A230297] 12 p1973 N91-20855

A generalization of Snell's law
[AD-A230653] 12 p1982 N91-20905

A naval aviation maintenance Organizational Activity Strategic Information System (OASIS)
[AD-A229905] 12 p1996 N91-20989

A perturbation solution of the main problem in artificial satellite theory
[AD-A231560] 13 p2041 N91-21227

Performance of small thrusters and propulsion systems
[AD-A231482] 13 p2044 N91-21241

An economic analysis of counterfeit threaded fasteners in the construction industry
[AD-A231492] 13 p2098 N91-21551

ONR tropical cyclone motion research initiative: Field experiment summary
[AD-A231152] 13 p2122 N91-21679

A toolkit for designing user interfaces
[AD-A231558] 13 p2130 N91-21723

Classification of intermittent dependent observations
[AD-A231605] 13 p2145 N91-21811

Separating boundary layer response to an unsteady turbulent environment
[AD-A231483] 14 p2187 N91-22081

An experimental investigation into NO(x) control of a gas turbine combustor and augmentor tube incorporating a catalytic reduction system
[AD-A231427] 14 p2195 N91-22124

Satellite charge control with lithium ion source and electron emission
[AD-A231956] 14 p2233 N91-22357

Tactical HF field expedient antenna performance, volume 2
[AD-A231428] 14 p2256 N91-22478

An assessment of data requirements for quasigeostrophic nowcasts and hindcasts of a mesoscale eddy field in the California current system with application to fall transition
[AD-A231394] 14 p2291 N91-22672

Safety analysis of heterogeneous-multiprocessor control system software
[AD-A231859] 14 p2306 N91-22744

An empirical study of the fault-predictive ability of software control-structure metrics
[AD-A231860] 14 p2307 N91-22745

Viewer: A user interface for failure region analysis
[AD-A231955] 14 p2308 N91-22750

Design and construction of a composite airframe for UAV research
[AD-A232422] 15 p2375 N91-23143

An engineering study of altitude determination deficiencies of the Service Aircraft Instrumentation Package (SAIP)
[AD-A232055] 15 p2375 N91-23145

An artificial neural network control system for spacecraft attitude stabilization
[AD-A232013] 15 p2389 N91-23225

Satellite maneuver evaluation tool
[AD-A232016] 15 p2389 N91-23226

Automatic particle sizing from rocket motor holograms
[AD-A232553] 15 p2391 N91-23236

Phase transformations and microstructural evolution in aged Mn-Cu-based alloys
[AD-A232473] 15 p2403 N91-23305

Error control coding for multi-frequency modulation
[AD-A232421] 15 p2415 N91-23374

A study of PC-Based HF ionospheric propagation predictions for use in naval communications
[AD-A232466] 15 p2415 N91-23375

Error probabilities of frequency hopped MFSK with self-normalization combining in a fading channel with partial-band interference
[AD-A232467] 15 p2415 N91-23376

An analysis of MLAYER: A multilayer tropospheric propagation program
[AD-A232733] 15 p2416 N91-23379

Parametric modeling and estimation of pulse propagation on microwave integrated circuit interconnections
[AD-A232465] 15 p2420 N91-23404

Rule-based motion coordination for the adaptive suspension vehicle on ternary-type terrain
[AD-A232224] 15 p2440 N91-23517

Atmospheric optical turbulence measurements taken at Anderson Mesa, Flagstaff, Arizona between 13-19 November 1989
[AD-A232222] 15 p2464 N91-23656

Effects of the northeast monsoon on the equatorial westerlies over Indonesia
[AD-A232106] 15 p2469 N91-23681

Evaluation of generalized thresholds in an objective multispectral satellite cloud analysis
[AD-A232716] 15 p2470 N91-23683

Sea ice classification using synthetic aperture radar
[AD-A232248] 15 p2471 N91-23689

Parallel-processor-based Gaussian beam tracer for use in ocean acoustic tomography
[AD-A232420] 15 p2471 N91-23690

Evaluation of ferroelectric materials for memory applications
[AD-A232112] 15 p2480 N91-23728

Designing a virtual-memory implementation using the Motorola MC68010 16-bit microprocessor with multi-processor capability interfaced to the VMEbus
[AD-A232554] 15 p2481 N91-23730

A method for machinery condition monitoring of transient phenomena using the pseudo Wigner-Ville distribution
[AD-A232014] 15 p2485 N91-23760

Integration of the execution support system for the Computer-Aided Prototyping System (CAPS)
[AD-A232015] 15 p2485 N91-23761

Software testing for evolutionary iterative rapid prototyping
[AD-A232555] 15 p2487 N91-23771

User interface to an ICAI system that teaches discrete math
[AD-A232693] 15 p2492 N91-23799

Summary of basic research in thermoacoustic heat transport: 1990
[AD-A232223] 15 p2500 N91-23847

A methodology for handling data errors and inconsistencies in database conversions
[AD-A232113] 15 p2525 N91-23994

Interaction of a vortex pair with a free surface: Measurements and computations
[AD-A233045] 16 p2624 N91-24532

Bounds on the extreme generalized Eigenvalues of Hermitian pencils
[AD-A233517] 16 p2679 N91-24831

The meaning of time: An introduction into philosophical, biological and physical aspects of time
[AD-A233001] 16 p2681 N91-24841

A practicability study on the development of a standard, stand-alone computerized contract pricing model for contract pricing and negotiations
[AD-A232012] 16 p2697 N91-24937

Learning curve and rate adjustment models: An investigation of bias
[AD-A233115] 16 p2697 N91-24938

Establishment of a remotely piloted helicopter test flight program for higher harmonic control research
[AD-A234978] 18 p2925 N91-26135

Sea test development of laser altimeter
[AD-A233824] 18 p2988 N91-26498

Adaptive control of direct drive dexterous robotic hand with bilateral tactile sensing
[AD-A233980] 18 p2994 N91-26532

Atmospheric optical turbulence measurements taken at Anderson Mesa, Flagstaff, Arizona between 10-19 July 1990
[AD-A234190] 18 p3011 N91-26629

Primes: The first 2400 prime numbers
[AD-A233979] 18 p3050 N91-26837

Covering a closed curve with a given total curvature
[AD-A234342] 18 p3050 N91-26840

Maximization on matroids with random weights
[AD-A233978] 18 p3053 N91-26858

Comparison of sound pressure in a wedge-shaped ocean as predicted by an image method and a PE model
[AD-A234191] 18 p3056 N91-26879

A flow visualization study of LEX generated vortices on a scale model of a F/A-18 fighter aircraft at high angles of attack
[AD-A236534] 19 p3102 N91-27138

Satellite servicing using the orbital maneuvering vehicle in low Earth orbit
[AD-A236941] 19 p3112 N91-27197

A predictive method to describe the boiling behavior of refrigerant-oil mixtures
[AD-A235872] 19 p3125 N91-27262

A comment on the derivation of the Langmuir isotherm for the adsorption kinetics
[AD-A236709] 19 p3127 N91-27278

Real-time multi-frequency modulation using differentially-encoded signal constellations
[AD-A236839] 19 p3153 N91-27431

Experimental investigation of a mm-wave planar antenna
[AD-A236934] 19 p3153 N91-27433

Electronic communications systems and the frequency domain: An illustrated primer for C3 students
[AD-A236936] 19 p3154 N91-27434

Effects of non-uniform windowing in a Rician-fading channel and simulation of adaptive automatic repeat request protocols
[AD-A236940] 19 p3154 N91-27435

Ku-band high power amplifier system functionality and operation
[AD-A236912] 19 p3160 N91-27469

Transformation of a finite-element model of a piezoelectric spherical shell transducer from a nodal to a spherical harmonic function representation
[AD-A236838] 19 p3168 N91-27518

CEAREX/Haakon Mosby meteorology atlas
[AD-A236752] 19 p3202 N91-27699

An aeronautical engineering user's manual to the HP-28S handheld calculator
[AD-A236618] 19 p3216 N91-27777

The porting of mainframe-dependent antenna modeling program (NEC-3) to a 32-bit personal computer
[AD-A236711] 19 p3217 N91-27778

Comparison of slotline characteristics
[AD-A236685] 19 p3230 N91-27857

Local area networking handbook
[AD-A236835] 19 p3232 N91-27872

Software for the parallel solution of systems of ordinary differential equations
[AD-A235489] 19 p3235 N91-27889

Elliptic integrals in the Minkowski plane
[AD-A236710] 19 p3236 N91-27895

Dimensional analysis in mathematical modeling systems: A simple numerical method
[AD-A236904] 19 p3237 N91-27898

A computational and experimental study of flush heat sources in liquids
[AD-A236836] 19 p3257 N91-28017

Analysis and synthesis of radiative heat transfer in longitudinal fins in free space and non-free space
[AD-A236942] 19 p3257 N91-28019

Clustering, concurrency control, crash recovery, garbage collection, and security in object-oriented database management systems
[AD-A235448] 19 p3260 N91-28032

A summary of the Naval Postgraduate School research program and recent publications, October 1988 to September 1989
[AD-A236052] 19 p3277 N91-28128

Impact of ion propulsion on performance, design, testing, and operation of a geosynchronous spacecraft
[AD-A237028] 20 p3302 N91-28273

Design of an interactive satellite communications system analysis program
[AD-A237030] 20 p3333 N91-28459

Multidimensional spectral estimation using iterative methods
[AD-A237025] 20 p3391 N91-28791

The design and construction of a shiplaunched VTOL unmanned air vehicle
[AD-A238053] 21 p3457 N91-29173

Evaluation of aircraft turbine engine redesigns
[AD-A237599] 21 p3459 N91-29184

Ablative heat shield studies for NASA Mars/Earth return entry vehicles
[AD-A238159] 21 p3465 N91-29215

Operational procedures for powering up, powering down, and configuring the qualification model of the FLTSATCOM satellite
[AD-A238485] 21 p3465 N91-29217

Anisotropic tensile probabilistic failure criterion for composites
[AD-A237601] 21 p3470 N91-29244

Statistical characterization of graphite fiber for prediction of composite structure reliability
[AD-A238020] 21 p3470 N91-29245

Effect of alumina particle additions on the aging kinetics of 6061 aluminum matrix composites
[AD-A238052] 21 p3470 N91-29246

An investigation of the as-quenched and early aging characteristics of a Al - 4.1 wt. percent Li binary alloy by x ray diffraction
[AD-A237598] 21 p3481 N91-29311

Analysis of radio frequency radiation from a propagating electron beam
[AD-A237941] 21 p3499 N91-29419

Application of Multi-Frequency Modulation (MFM) for high-speed data communications to a voice frequency channel
[AD-A238019] 21 p3500 N91-29422

Introduction of a current waveform, waveshaping technique to limit conduction loss in high-frequency dc-dc converters suitable for space power
[AD-A237903] 21 p3507 N91-29465

A circuit model for an inductive strip in homogeneous finline
[AD-A238001] 21 p3507 N91-29466

Lithium ion source for satellite charge control
[AD-A238272] 21 p3507 N91-29470
Use of an extended Kalman filter
[AD-A238639] 21 p3508 N91-29474
Near-stall loss measurements in a CD compressor cascade with exploratory leading edge flow control
[AD-A237497] 21 p3513 N91-29509
Effects of 1, 2, 3, and 4 Hz imposed bulk flow oscillations on transition in a straight channel with 40 to 1 aspect ratio
[AD-A237988] 21 p3515 N91-29517
Numerical study of non-impulsively started flow around a circular cylinder
[AD-A238051] 21 p3515 N91-29519
Control of flow over a backward facing step
[AD-A238638] 21 p3515 N91-29521
Experimental analysis of B-dot sensors
[AD-A238487] 21 p3520 N91-29547
Design of a stabilized, dc-powered analog laser diode driver
[AD-A238596] 21 p3524 N91-29577
Equatorial entrainment zone simulations
[AD-A237234] 21 p3538 N91-29657
Analysis of the ultraviolet emissions of nitric oxide from mid-latitude rocket observations
[AD-A237340] 21 p3541 N91-29673
An investigation of the ERICA IOP-2 cyclone using the NORAPS model
[AD-A237683] 21 p3543 N91-29684
TOVS satellite soundings of the ERICA IOP-2 cyclone
[AD-A237998] 21 p3543 N91-29686
Multiple channel satellite analysis of cirrus
[AD-A238054] 21 p3543 N91-29687
Forcasting tropical cyclone recurvature using an empirical othogonal function representation of vorticity fields
[AD-A238489] 21 p3544 N91-29689
The nature of the propagation of sea breeze fronts in central California
[AD-A238635] 21 p3544 N91-29692
Acoustic tomographic estimate of ocean advective heat flux: A numerical assessment in the Norwegian Sea
[AD-A237100] 21 p3545 N91-29698
Modeling a rain-induced mixed layer
[AD-A238022] 21 p3546 N91-29702
The use of searching algorithms for the minimization of multi-valued logic functions
[AD-A238018] 21 p3556 N91-29763
A type calculus for mathematical programming modeling languages
[AD-A238160] 21 p3557 N91-29766
Validation of the Schwartz and Hon algorithm at low grazing angles
[AD-A238162] 21 p3557 N91-29767
Sum of distances in normed spaces
[AD-A238066] 21 p3566 N91-29825
A framework for understanding the strategic defense initiatives' software debates
[AD-A237193] 21 p3570 N91-29852
Three case studies of management information systems
[AD-A238310] 21 p3603 N91-30049
An integer programming model for Navy's maritime patrol aviation fleet
[AD-A239464] 23 p3781 N91-31079
Touch screen use on flight simulator instructor/operator stations
[AD-A239524] 23 p3799 N91-31192
A methodology for producing and testing a genesil silicon compiler designed VLSI chip which incorporates design for testability
[AD-A239465] 23 p3862 N91-31537
Application of the constrained implicants set concept to the minimization of binary functions
[AD-A239470] 23 p3914 N91-31859
Exploiting captions for access to multimedia databases
[AD-A239435] 23 p3936 N91-32000

NAVAL RESEARCH LAB., ORLANDO, FL.

Variable projection methods with application to sums of exponentials in white noise
[AD-A231344] 14 p2323 N91-22829

NAVAL RESEARCH LAB., WASHINGTON, DC.

NRL tethered balloon measurements at San Nicolas Island during FIRE IFO 1987 01 p0086 N91-10509
Review of free electron lasers
[PB90-255480] 02 p0216 N91-11206
Manual fire suppression methods on typical machinery space spray fires
[AD-A225311] 03 p0349 N91-11950
Effect of worst-case multiple jammers on coded FH/SSMA systems
[AD-A224911] 03 p0356 N91-11991
An algorithm for improved gating combinatorics in multiple-target tracking
[AD-A224700] 03 p0400 N91-12225
Non-Maxwellian electron distribution functions in z-pinch plasmas
[AD-A224702] 03 p0420 N91-12348
Numerical simulation of the compressible Orszag-Tang vortex 2. Supersonic flow
[NASA-CR-185877] 03 p0420 N91-12350
An estimate of changes in the sun's total irradiance caused by UV irradiance variations from 1874 to 1988 03 p0440 N91-12462
Solar cycle modulation of total irradiance: An empirical model from 1874 to 1988 03 p0445 N91-12484
Missing pulse clutter processing
[AD-A226616] 04 p0516 N91-12870
Overview of beam conditioning
[AD-A226404] 04 p0581 N91-13236
Plasma instabilities in the high and low latitude E-region induced by high power radio waves
[AD-A226617] 04 p0586 N91-13271
A study of confined diffusion flames
[AD-A226552] 05 p0634 N91-13512
NRL 1989 beam propagation studies in support of the ATA multi-pulse propagation experiment
[AD-A226443] 05 p0646 N91-13588
NRL compact accelerator theory studies
[AD-A226537] 05 p0718 N91-14005
Observations of the galactic plane by the zodiacal infrared project 05 p0743 N91-14143
Dynamics of an unsteady diffusion flame: Effects of heat release and gravity
[AD-A227348] 06 p0805 N91-14447
Perspectives on modeling electromagnetic sea scatter
[AD-A226939] 06 p0818 N91-14520
Innovative methodology for cancelling contaminating noise in turbulent fluid flow environments
[AD-A227028] 06 p0826 N91-14567
Dust emission from Barnard 35: Gas heating anomaly resolved 06 p0896 N91-14951
Ohmic effects in quasioptical resonators
[AD-A227547] 07 p0998 N91-15478
High energy laser beam pattern analysis
[AD-A228016] 07 p1009 N91-15538
CAD/CAM feasibility study
[AD-A226403] 07 p1047 N91-15747
A tandem semantic interpreter for incremental parse selection
[AD-A227743] 07 p1049 N91-15758
Introduction (to a book on applications of local-density-functional methods in chemistry)
[AD-A228769] 08 p1112 N91-16109
Movable-boundary channel-access schemes for integrated voice/data networks
[AD-A227331] 08 p1125 N91-16186
Diffusion fields in a toroidal conducting shell of circular cross section
[AD-A228021] 08 p1127 N91-16197
Bio-optical profile data report coastal transition zone program, R/V Thomas Washington, June 24 - July 21, 1988
[NASA-CR-187808] 08 p1188 N91-16532
Bio-optical profile data report coastal transition zone program, R/V Point Sur, June 15-28, 1987
[NASA-CR-187807] 08 p1188 N91-16533
Parallel Access Main Memory (PAMM) user's manual, version 1.0
[AD-A227744] 08 p1206 N91-16635
Observations and models of star formation in the tidal features of interacting galaxies 08 p1264 N91-16957
Compressibility effects on dynamic stall of oscillating airfoils
[NASA-CR-187870] 09 p1272 N91-16993
Superresolution techniques and ISAR imaging
[AD-A227522] 09 p1321 N91-17255
The application of Hopfield neural network techniques to problems of routing and scheduling in packet radio networks
[AD-A229039] 09 p1324 N91-17271
Performance evaluation of multi-access strategies for an integrated voice/data CDMA packet radio network
[AD-A229155] 09 p1324 N91-17273
Current collection by a spherical high voltage probe: Electron trapping and collective processes 09 p1404 N91-17726
Theory of large-scale HF heating processes in the unstructured and structured ionosphere 10 p1548 N91-18516
Large scale plasma irregularities and airglow enhancements from ionospheric heating 10 p1549 N91-18520
Ionospheric chemical releases 10 p1553 N91-18540
Laboratory simulation of high-altitude disruptive effects 10 p1553 N91-18542
Time-dependent multimode simulation of gyrotron oscillators
[AD-A229861] 11 p1709 N91-19413
Fiber optic feed
[AD-A229860] 11 p1799 N91-19879
Simulation studies of a klystronlike amplifier operating in the 10 to 100 GW regime
[AD-A229858] 12 p1891 N91-20398
Elimination of laser prepulse by relativistic guiding in a plasma
[AD-A229859] 12 p1903 N91-20466
Key physics issues affecting the performance of free electron lasers
[AD-A229992] 12 p1903 N91-20467
Optical turbulence measurements during one morning and two evening transition periods in a desert basin
[AD-A230304] 12 p1923 N91-20578
Benchmarking the connection machine
[AD-A229705] 12 p1953 N91-20743
Enhancing multidimensional tree structures by using a bilinear decomposition
[AD-A229756] 12 p1956 N91-20763
InterFIS: A natural language interface to the fault isolation shell
[AD-A230780] 12 p1958 N91-20773
Explicit state vector representation for heteroassociative memories
[AD-A229757] 12 p1963 N91-20803
Complex route to chaos in velocity driven atoms
[AD-A230051] 12 p1976 N91-20870
The impact of the three-wave instability on the spiral line induction accelerator
[AD-A229758] 12 p1979 N91-20888
Efficient approaches for report/cluster correlation in multitarget tracking systems
[AD-A231589] 13 p2073 N91-21421
Transverse klystron
[AD-A231586] 13 p2077 N91-21444
Free electron lasers
[AD-A230817] 13 p2092 N91-21519
Noise effects upon a simple timing channel
[AD-A230818] 13 p2130 N91-21726
Studies of synchrotron radiation emission from the NRL modified betatron accelerator
[AD-A231346] 13 p2153 N91-21868
A probabilistic model for Link-11 networking operation
[AD-A231801] 14 p2321 N91-22817
Tripod operators for the interpretation of range images
[AD-A232631] 15 p2410 N91-23344
High-quality 800-b/s voice processing algorithm
[AD-A232352] 15 p2414 N91-23372
Digital beamforming and pulse compression in an adaptive array radar system
[AD-A232713] 15 p2415 N91-23377
Observation of harmonic gyro-backward-wave oscillation in a 100 GHz CARM oscillator experiment
[AD-A232063] 15 p2419 N91-23398
Background simulation and filter design using iterated function systems
[AD-A232632] 15 p2420 N91-23405
A new asymptotic theory for the periodically forced laser
[AD-A232633] 15 p2434 N91-23486
A complex systems approach to metallic fracture surface characterization
[AD-A232546] 15 p2447 N91-23556
Quantum extension of Child-Langmuir law
[AD-A232407] 15 p2505 N91-23878
Density channel tracking studies on Pulserad
[AD-A232649] 15 p2506 N91-23888
Three dimensional variable constraint effects in fracture initiation
[AD-A233386] 16 p2647 N91-24657
Analytic methods of image registration: Displacement estimation and resampling
[AD-A233385] 16 p2670 N91-24776
Theory of electron beam tracking in reduced-density channels
[AD-A233387] 16 p2683 N91-24855
Gamma radiation survey of the LDEF spacecraft 16 p2707 N91-24981
Interim results from the characterization testing of the Engineering Development (EDM) rubidium clocks for satellite applications 17 p2854 N91-25782
Two-way time transfer modem 17 p2855 N91-25785
Flexural plate wave devices for chemical analysis
[AD-A234129] 18 p2946 N91-26254
Water solubility of bis(2-ethylhexyl) hydrogen phosphite
[AD-A234561] 18 p2947 N91-26259
The Effect of the Ionosphere on Radiowave Signals and Systems Performance Based on Ionospheric Effects Symposium
[AD-A233797] 18 p2974 N91-26416
Plasma reflectors for electronic beam steering in radar systems
[AD-A234560] 18 p2975 N91-26425

Direct and large-eddy simulations of three-dimensional compressible Navier-Stokes turbulence
[AD-A233717] 18 p2983 N91-26470
Use of a zone model for validation of a horizontal ceiling/floor vent algorithm
[AD-A234553] 18 p2983 N91-26474
Depressed collector experiments on a quasioptical gyrotron
[AD-A234559] 18 p2987 N91-26492
Frequency upshifting of laser pulses by ionization fronts
[AD-A234354] 18 p2989 N91-26503
X ray laser program
[AD-A234390] 18 p2989 N91-26504
Testing the One-Port Random Access Memory (1PRAM) module of TRW's CPUAX signal processing superchip
[AD-A234127] 18 p3037 N91-26761
NRL connection machine Fortran library
[AD-A234121] 18 p3040 N91-26779
BaRT manual version 3.0
[AD-A234528] 18 p3040 N91-26784
An implementation of the singular value decomposition on the connection machine CM-2
[AD-A234124] 18 p3043 N91-26802
A boundary scattering strength extraction algorithm for the analysis of long-range reverberation data
[AD-A233721] 18 p3056 N91-26877
One-dimensional translation measurement of speckle from rough rotating objects in ultraviolet illumination
[AD-A233719] 18 p3063 N91-26919
Materials Science and Engineering, 1989 publications
[AD-A234087] 18 p3076 N91-27001
Effect of ripple load on stress-corrosion cracking in structural steels
[AD-A235730] 19 p3134 N91-27318
Impulse arrays
[AD-A235799] 19 p3150 N91-27410
Clutter-Doppler spectral analysis for a space-based radar
[AD-A236644] 19 p3152 N91-27425
Surface acoustic wave vapor sensors based on resonator devices
[AD-A235797] 19 p3157 N91-27456
Recent advances in free electron laser theory
[AD-A236826] 19 p3172 N91-27537
A simple technique for displaying WDB-2 digital cartographic imagery in KEE
[AD-A235800] 19 p3184 N91-27606
A review of experimental observations and remaining questions concerning formation, persistence, and disappearance of sea slicks
[AD-A235802] 19 p3205 N91-27714
User's guide for SAMUEL, version 1.3
[AD-A235611] 19 p3213 N91-27759
Results on canceller convergence in nonstationary noise
[AD-A236195] 19 p3239 N91-27911
Reduction of three-halves harmonic emission from laser-produced plasmas with broadwidth induced spatial incoherence at 0.53 micrometers
[AD-A235798] 19 p3250 N91-27974
Analysis of FIN line feasibility for W-band attenuator applications
[AD-A237271] 21 p3504 N91-29450
The charge-exchange neutral problem and the code NEUTRAL
[AD-A237889] 21 p3506 N91-29464
Evolution of a finite pulse of radiation in a high-power free-electron laser
[AD-A237427] 21 p3523 N91-29568
Modification of programs CHIEF and CID to compute sound radiation from an arbitrary body with mixed boundary conditions
[AD-A237502] 21 p3556 N91-29759
NRL review, 1989-1990
[AD-A238612] 21 p3571 N91-29856
NRL review, 1991
[AD-A238665] 21 p3571 N91-29857
Vlasov simulations of very-large-amplitude wave generation in the plasma wakefield accelerator
[AD-A237428] 21 p3588 N91-29961
An introduction to impulse radar
[AD-A229381] 22 p3657 N91-30355
Phase-coded waveforms and range superresolution
[AD-A229530] 22 p3657 N91-30358
Modelling the response of thick composite materials due to axisymmetric shock loading
[AD-A239531] 23 p3808 N91-31243
Chemical reduction of intermodulation interference caused by metal-oxide-metal junctions aboard ship
[AD-A239530] 23 p3812 N91-31265
Theory and application of the wavelet transform to signal processing
[AD-A239533] 23 p3856 N91-31501
Integration losses and clutter-Doppler spread for a space based radar caused by ionospheric scintillation during a solar maximum
[AD-A239534] 23 p3856 N91-31502
Performance of an angle-of-arrival estimator in the presence of a mainbeam interference source
[AD-A239629] 23 p3857 N91-31508
Convergence performance of adaptive detectors, part 1
[AD-A239507] 23 p3863 N91-31539
Convergence performance of adaptive detectors, part 2
[AD-A239532] 23 p3863 N91-31540
Hydrodynamic target response to an induced spatial incoherence-smoothed laser beam
[DE91-015757] 23 p3878 N91-31638
Exact result for the grazing angle of specular reflection from a sphere
[AD-A239578] 23 p3928 N91-31952
Advanced concepts theory
[AD-A239780] 23 p3929 N91-31959

NAVAL SEA SYSTEMS COMMAND, WASHINGTON, DC.
Proceedings of the 28th Annual Technical Symposium on Achieving Technical and Management Excellence
[PB91-189134] 22 p3764 N91-30984

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER, ANNAPOLIS, MD.
A framework for 3-D nonlinear modeling of thick-section composites
[AD-A232973] 16 p2589 N91-24349

NAVAL SHIP RESEARCH AND DEVELOPMENT CENTER, BETHESDA, MD.
Influence of expanding monomer on carbon fiber reinforced epoxy composites
[AD-A223277] 01 p0021 N91-10124
Proposed draft military handbook presenting requirements for an Electronic Display System (EDS) for Interactive Electronic Technical Manuals (IETMs)
[AD-A227471] 11 p1696 N91-19342

NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VA.
NAVSPASUR orbital processing for satellite break-up events 12 p1951 N91-20731

NAVAL SUBMARINE MEDICAL RESEARCH LAB., GROTON, CT.
The medical hazards of flame-suppressant atmospheres
[AD-A239618] 23 p3906 N91-31806

NAVAL SURFACE WARFARE CENTER, DAHLGREN, VA.
Significant digit computation of the elliptical coverage function
[AD-A230523] 12 p1970 N91-20839
Worldwide maritime infrared atmospheric transmittance data
[AD-A237292] 21 p3541 N91-29672
Invariant target recognition using self-organizing networks
[AD-A238252] 21 p3563 N91-29807

NAVAL SURFACE WARFARE CENTER, SILVER SPRING, MD.
Supersonic tactical missile computation using Euler's equation with crossflow separation modeling 06 p0772 N91-14284
Evaluation process report for next generation computer resources operating systems interface baseline selection
[AD-A228594] 09 p1374 N91-17549
Pulse shaping a high-current relativistic electron beam in vacuum
[AD-A230674] 12 p1977 N91-20876
Synthesis of energetic single phase and multi-phase polymers
[AD-A235104] 18 p2964 N91-26363
Spectral estimation techniques with emphasis on short data records: A primer
[AD-A237486] 21 p3475 N91-29271
An alternative to operational amplifiers
[AD-A237439] 21 p3505 N91-29453

NAVAL SURFACE WEAPONS CENTER, SILVER SPRING, MD.
SBIR reports on the chemistry of lithium battery technology
[AD-A225139] 03 p0359 N91-12012
Synthesis and characterization of high temperature superconductor materials 05 p0725 N91-14048

NAVAL UNDERWATER SYSTEMS CENTER, NEW LONDON, CT.
Evaluation of integrals and sums involving (sin(Mx)/sin(x))(sup n)
[AD-A224906] 03 p0410 N91-12291
Parabolic equation starting field for a prolate spheroid source
[AD-A226281] 04 p0573 N91-13183
Two-dimensional convolutions, correlations, and Fourier transforms of combinations of Wigner distribution functions and complex ambiguity functions
[AD-A226852] 08 p1209 N91-16649
Operating characteristics for weighted energy detector with Gaussian signals
[AD-A226851] 08 p1212 N91-16673
Alias-free smoothed Wigner distribution function for discrete-time samples
[AD-A229987] 12 p1972 N91-20849
Mapping an adaptable Eigenstructure technique onto the topologix hypercube
[AD-A232032] 15 p2486 N91-23764
Comparisons of backscattering from cylindrical shells described by thin shell and elasticity theories
[AD-A234745] 18 p2984 N91-26475
Complex envelope properties, interpretation, filtering, and evaluation
[AD-A234478] 18 p3051 N91-26844
Spectra and covariances for classical nonlinear signal processing problems involving class A non-Gaussian noise
[AD-A237388] 21 p3498 N91-29413

NAVAL UNDERWATER SYSTEMS CENTER, NEWPORT, RI.
After-action report for the Next-Generation Computer Resources (NGCR) operating systems interface standard baseline selection process
[AD-A225833] 04 p0555 N91-13078
Tips on how to cut technical publications costs
[AD-A227334] 06 p0886 N91-14895
Statistical properties of the sea surface sound dipole source
[AD-A230811] 13 p2124 N91-21688
Relating ocean acoustic ambient to ocean surface dynamics
[AD-A237167] 21 p3545 N91-29699
Operational concept document for the Next Generation Computer Resources (NGCR) operating systems interface standard baseline
[AD-A237501] 21 p3559 N91-29782

NAVAL WAR COLL., NEWPORT, RI.
An investigation into the capability of civil satellites to support selected operational-level imaging requirements
[AD-A236873] 19 p3112 N91-27196

NAVAL WEAPONS CENTER, CHINA LAKE, CA.
Overview of propulsion concepts for tactical missiles 06 p0775 N91-14296
Crystal structure of ZnGa2S4, a defect sphalerite-derivative
[AD-A226937] 06 p0881 N91-14865
On the crystal structure of KInS2-I
[AD-A226940] 06 p0881 N91-14866
Broadband coupling structures for microwave arithmetic circuits and phased arrays 07 p0942 N91-15163
Logarithmic amplification for passive airborne direction finding in the 1990s 07 p0942 N91-15164
Laser obstacle and cable update sensor 07 p0943 N91-15169
Hardware-in-the-loop simulation at the Naval Weapons Center 07 p1045 N91-15733
Simulation of multipath for semiactive missiles 07 p1045 N91-15734
Computer graphics in hardware-in-the-loop missile simulation 07 p1045 N91-15736
Probing behavior in certain optimal perturbation control laws
[AD-A229272] 09 p1284 N91-17059
Stability testing of full scale tactical motors 16 p2577 N91-24281
Nonlinear stability testing and pulsing of full scale tactical motors 16 p2577 N91-24282
Space environmental effects on coated optics 16 p2722 N91-25079
Lithium combustion: A review
[AD-A238154] 21 p3476 N91-29279
Portable 45-gigahertz radar for glint and scintillation studies
[AD-A238005] 21 p3500 N91-29421
Annual Electronics Manufacturing Seminar proceedings
[AD-A238017] 21 p3507 N91-29467
Analog design verification with PSpice and MICRO-CAP 3
[AD-A237922] 21 p3556 N91-29762
On the interpolation properties of feedforward layered neural networks
[AD-A238035] 21 p3566 N91-29824
Effect of cladding thickness on attenuation in uniformly curved single-mode optical fibers
[AD-A238034] 21 p3582 N91-29928
Equations of learning and capacity of layered neural networks
[AD-A229633] 24 p4091 N91-32857

NAVY CENTER FOR APPLIED RESEARCH IN ARTIFICIAL INTELLIGENCE, WASHINGTON, DC.
An investigation into the use of hypermutation as an adaptive operator in genetic algorithms having continuous, time-dependent nonstationary environments
[AD-A229159] 09 p1386 N91-17622
NAVY CLOTHING AND TEXTILE RESEARCH FACILITY, NATICK, MA.
Effectiveness of a prototype microclimate cooling system for use with chemical protective clothing
[AD-A231572] 15 p2477 N91-23717
Physiological acceptance criteria for cold weather clothing
[AD-A235670] 19 p3215 N91-27770
The chemical resistance of protective handwear available through the Navy's supply system
[AD-A235874] 20 p3381 N91-28731
NAVY PERSONNEL RESEARCH AND DEVELOPMENT CENTER, SAN DIEGO, CA.
The MS-DOS device handler interface
[AD-A223856] 02 p0250 N91-11385
The MS-DOS routing and configuration program design
[AD-A223858] 02 p0251 N91-11394
Readings on managing organizational quality
[AD-A224888] 03 p0426 N91-12386
Computer-based instruction Authoring Tools System (CATS): Student guide
[AD-A225782] 04 p0562 N91-13116
A computer-based instructional support network: Design, development, and evaluation
[AD-A227922] 08 p1207 N91-16637
The P300 component of the auditory event-related potential: Interlaboratory consistency and test-retest reliability
[AD-A235114] 18 p3029 N91-26725
Troubleshooting Assessment and Enhancement (TAE) program: Theoretical, methodological, test, and evaluation issues
[AD-A236401] 19 p3228 N91-27846
Troubleshooting Assessment and Enhancement (TAE) program: Design, development, and administration, volume 1
[AD-A236411] 19 p3228 N91-27847
NEBRASKA UNIV., LINCOLN.
Performance of finite dynamic elements for composite materials in plane stress 02 p0225 N91-11260
Development and evaluation of packet video schemes
[NASA-CR-187690] 07 p0990 N91-15433
Scattering and depolarization by rough terrain and sea: A unified full wave approach
[AD-A228295] 08 p1128 N91-16201
Carbon dioxide and energy exchanges in a temperate grassland ecosystem 08 p1166 N91-16419
MAFT: The Multicomputer Architecture for Fault-Tolerance 09 p1376 N91-17563
Excited ionic and neutral fragments produced by dissociation of the N2(+)° H band
[NASA-CR-187987] 10 p1593 N91-18791
Dynamics of collision processes
[DE91-007933] 11 p1794 N91-19840
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737
Comparison of UNL laser imaging and sizing system and a phase Doppler system for analyzing sprays from a NASA nozzle
[NASA-CR-185239] 13 p2087 N91-21485
Magnetic studies of iron-rare-earth-metalloid alloys
[DE91-013856] 20 p3318 N91-28368
Utilization or reduction of the effects of sea clutter for real and synthetic aperture polarimetric radars 22 p3660 N91-30376
Analysis of field measurements of carbon dioxide and water vapor fluxes
[NASA-CR-188781] 22 p3703 N91-30610
Feedback control in distributed parameter systems
[AD-A229433] 22 p3740 N91-30836
NEDERLANDS INST. VOOR ONDERZOEK DER ZEE, TEXEL.
Joint global ocean flux study. North Atlantic pilot study. Leg 3: Den Helder-Funchal-Reykjavik, 17 April to 31 May 1990 with research vessel TYRO
[PB91-157479] 17 p2815 N91-25559
Paleoceanography and geochemistry of the Angola Basin (South Atlantic Ocean). Cruise report R. V. TYRO, September 30 - November 19, 1989
[PB91-177444] 19 p3206 N91-27720
NEKTONICS, INC., CAMBRIDGE, MA.
Spectral element methods for the unsteady Navier-Stokes equations 24 p4013 N91-32432
NETHERLANDS FOUNDATION FOR RADIO ASTRONOMY, DWINGELO.
A multi-wavelength study of the peculiar galaxy NGC 2976 05 p0754 N91-14199
The molecular spiral arms of NGC 6946 05 p0761 N91-14232
NETROLOGIC, INC., SAN DIEGO, CA.
Fractal image encoding
[AD-A229910] 12 p1955 N91-20753
Space shuttle main engine fault detection using neural networks 12 p1965 N91-20816
Neural networks and robotics applied to the non-destructive inspection of aircraft
[AD-A238312] 21 p3530 N91-29609
NEVADA UNIV., LAS VEGAS.
Planning monotone paths to visit a set of obstacles
[AD-A226923] 06 p0861 N91-14754
Capturing strong reduction in director string calculus
[AD-A226738] 06 p0865 N91-14783
Geophysical modeling of the static water level
[DE91-011796] 17 p2801 N91-25501
NEVADA UNIV., RENO.
Numerical investigations in three-dimensional internal flows
[NASA-CR-186958] 01 p0014 N91-10083
Sampling and analysis of organophosphorus compounds on a thermoelectric cold plate using Fourier transform infrared emission spectroscopy
[AD-A225964] 04 p0501 N91-12782
Numerical investigations in three-dimensional internal flows
[NASA-CR-187373] 06 p0772 N91-14277
Nonlinear dynamics and control of a spatial high speed composite-material flexible robot arm 09 p1346 N91-17394
Possible lunar ores 17 p2901 N91-26026
Some thoughts on Mercurian resources 17 p2915 N91-26090
Numerical investigations in three-dimensional internal flows
[NASA-CR-188615] 18 p2921 N91-26114
Growth, evaporation and melting of ice crystals: Implications for radiation, atmospheric dynamics and particle scavenging 18 p3008 N91-26611
Snow/rain collector sampler
[PB91-167601] 19 p3204 N91-27709
Nature and origin of secondary mineral coatings on volcanic rocks of the Black Mountain, Stonewall Mountain, and Kane Springs Wash volcanic centers, southern, Nevada
[NASA-CR-183493] 24 p4043 N91-32591
NEVADA UNIV. SYSTEM, RENO.
Investigations of winter mountain storms in Utah during the 1987 Utah/NOAA field program
[PB91-140442] 16 p2659 N91-24709
NEW ENERGY DEVELOPMENT ORGANIZATION, TOKYO (JAPAN).
Survey of possibility for volcanic energy development
[DE90-517230] 01 p0064 N91-10387
Survey on solidification and utilization technology of CO2
[DE91-701465] 02 p0194 N91-11087
Co-researches with researchers of alternative energy of petroleum in EC countries
[DE91-701466] 02 p0202 N91-11129
Interchange of researchers on alternative energy of petroleum in EC countries
[DE91-701468] 02 p0202 N91-11130
Study on feasible applications of stirling cycle machine
[DE91-701463] 02 p0231 N91-11293
Report on the preparatory investigation of the Pacific energy information network system
[DE91-701469] 02 p0285 N91-11602
Assessment of effects produced by the introduction of fuel methanol on social structures
[DE91-778784] 19 p3144 N91-27374
NEW ENGLAND RESEARCH, INC., WHITE RIVER JUNCTION, VT.
Physical property measurements on analog granites related to the joint verification experiment
[AD-A230571] 13 p2116 N91-21650
NEW HAMPSHIRE UNIV., DURHAM.
Infrared thermal imaging of atmospheric turbulence 03 p0304 N91-11693
Observations of cosmic gamma ray sources and their contribution to the diffuse gamma ray background 03 p0449 N91-12510
Temporal variations of cosmic rays in the heliosphere 05 p0768 N91-14267
Electromagnetic studies of nuclear structure and reactions
[DE91-006820] 10 p1592 N91-18782
A study of helium. Argon: Ethane gas mixtures used in drift chambers for large acceptance spectrometers in high magnetic fields
[AD-A231209] 13 p2051 N91-21284
A membrane for in-situ optical detection of organic nitro compounds based on fluorescence quenching
[AD-A234071] 19 p3122 N91-27248
ISY Mission to Planet Earth Conference: A planning meeting for the International Space Year
[NASA-CR-188225] 19 p3183 N91-27601
Study of the CCCCS pressure field and its relation to circulation
[PB91-192617] 22 p3712 N91-30661
Chaos in classical nonlinear fields
[AD-A229434] 22 p3761 N91-30967
The analysis and design of brushless DC motors 23 p3859 N91-31516
A study of ion acceleration at rocket altitudes and development and calibration of pitch angle imaging charged particle detectors 23 p3893 N91-31728
NEW MEXICO HIGHLANDS UNIV., LAS VEGAS.
Bioregenerative life support 10 p1634 N91-19014
NEW MEXICO INST. OF MINING AND TECHNOLOGY, SOCORRO.
Aircraft measurements of electrified clouds at Kennedy Space Center, part 3
[NASA-CR-186964] 04 p0548 N91-13039
Aircraft measurements of electrified clouds at Kennedy Space Center
[NASA-CR-186536] 06 p0848 N91-14680
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 1: 1988 flights 06 p0848 N91-14681
Aircraft measurements of electrified clouds at Kennedy Space Center. Part 2: Case study: 4 November 1988 (88309) 06 p0848 N91-14682
Shock-induced chemical reactions and synthesis of binary compounds
[DE91-004296] 07 p0976 N91-15355
Detonation shock dynamics of composite energetic materials 22 p3672 N91-30447
Electrical emissions of airplanes flying in electrified clouds and their effect on airplane measurements of cloud electric fields 24 p4047 N91-32609
Charge control experiments on a CH-53E helicopter in a dusty environment 24 p4050 N91-32625
Electrification in winter storms and the analysis of thunderstorm overflight 24 p4059 N91-32678
Observations of lightning processes using VHF radio interferometry 24 p4062 N91-32695
NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPT., SANTA FE.
Assessment of the absolute accuracy of long-baseline kinematic GPS positioning of a moving vehicle
[PB91-129379] 13 p2022 N91-21125
NEW MEXICO STATE UNIV., LAS CRUCES.
Experimental studies of nucleon-nucleon and pion-nucleus interactions at intermediate energies
[DE91-000605] 03 p0416 N91-12328
Southern New Mexico low temperature geothermal resource economic analysis
[PB91-105353] 09 p1355 N91-17443
Saturn's seasonal winds and temperature: The effect of the ring system on the troposphere and stratosphere 09 p1449 N91-17992
Models of the spin state of the comet Halley nucleus 12 p2007 N91-21046
Metals combustion at high oxygen pressure in normal gravity and reduced gravity: Model and experiment 14 p2245 N91-22418
Atmospheric propagation of laser beams
[AD-A234314] 18 p2989 N91-26501
Search for regularities in the atmosphere of Jupiter 20 p3446 N91-29127
Proceedings of the 1st Workshop on Proximity Graphs
[AD-A237250] 21 p3565 N91-29818
A survey of nonlinear dynamics (chaos theory)
[AD-A237802] 21 p3566 N91-29821
Preliminary evaluation of waste processing in a CELSS 23 p3904 N91-31788
NEW MEXICO UNIV., ALBUQUERQUE.
Railgun performance with a two-stage light-gas gun injector
[DE90-016211] 02 p0184 N91-11032
Nitrogen dioxide and respiratory infection: Pilot investigations
[PB90-247339] 02 p0243 N91-11357
Next-generation fire extinguishing agent. Phase 2: Laboratory tests and scoping trials
[AD-A227347] 06 p0816 N91-14510
Near ground level sensing for spatial analysis of vegetation 07 p1023 N91-15617
Next-generation fire extinguishing agent, phase 3
[AD-A230619] 12 p1880 N91-20333
A novel design for a hybrid space manipulator 12 p1935 N91-20644
Deployable robotic woven wire structures and joints for space applications 12 p1938 N91-20662
Assessing damping uncertainty in space structures with fuzzy sets 12 p1944 N91-20696
A quasi-linear theory to explain ion acceleration in the distant cometary environment 12 p2007 N91-21045
Dynamic stability of flexible robot manipulators
[AD-A234297] 18 p2994 N91-26533

Conceptual studies on the integration of a nuclear reactor system to a manned rover for Mars missions
[NASA-CR-185841] 19 p3244 N91-27939
Optoelectronic Materials Center
[AD-A237663] 21 p3581 N91-29922
An investigation of voids formation mechanisms and their effects on freeze and thaw processes of lithium and lithium fluoride
[NASA-CR-188707] 22 p3646 N91-30294

NEW ORLEANS UNIV., LA.
Theoretical hypervelocity ballistic limit for single or double plates using nonlinear modal analysis
10 p1630 N91-18988
Computational studies of polynitroaromatic molecules and the development of sensitivity relationships, part 2
[AD-A229807] 12 p1866 N91-20252
Bimanes and related heterocycles as laser dyes
[AD-A232335] 15 p2434 N91-23484
The changing face of the environmental issue
[PB91-138081] 15 p2459 N91-23624
Computational studies of energetic strained molecules: Properties and syntheses of tetrahedrane and triprismane systems
[AD-A232857] 16 p2682 N91-24849

NEW SOUTH WALES UNIV., CANBERRA (AUSTRALIA).
State-specific rovibrational energy transfer in D2CO molecules 07 p0974 N91-15347
Adsorption on cadmium telluride and mercury telluride surfaces 07 p0974 N91-15348
Fusion reaction gas chromatography of silicone polyester resins 07 p0975 N91-15349
Fabrication and characterization of amorphous hydrogenated silicon films 07 p0984 N91-15400
Computer aided dimensioning and tolerancing for process operation planning, volume 1
07 p1047 N91-15748
Indirect interactions between localized spins in solids: Application to nuclear magnetic ordering
07 p1064 N91-15852
Synthesis, characterization and catalytic activity of microporous aluminophosphate catalysts
08 p1109 N91-16092
High temperature corrosion of alloys in mixed gases
08 p1114 N91-16121
Electrolyte optimization and electrode material evaluation for the vanadium redox battery
08 p1133 N91-16234
High efficiency silicon concentrator solar cells
08 p1170 N91-16441
Environmental uncertainty, planning and organizational performance 08 p1174 N91-16464
Electrical resistance volumetry in the circulation
08 p1190 N91-16543
Geographic data transfer 08 p1240 N91-16836
The recovery of natural gas condensates using membrane technology 09 p1307 N91-17169
The role of organic impurity adsorption on the precipitation of alumina trihydrate
09 p1307 N91-17170
Light trapping and reflection control in a crystalline silicon solar cell 09 p1354 N91-17440
First kind boundary integral methods for two-dimensional potential problems with singularities
10 p1579 N91-18693

NEW SOUTH WALES UNIV., KENSINGTON (AUSTRALIA).
Nonlinear smoothing filters and their realization
09 p1326 N91-17279
Combination of terrestrial and GPS data for Earth deformation studies in New Zealand
09 p1362 N91-17487
Probabilistic simulation of power system production using orthogonal polynomial expansions
09 p1390 N91-17646
Proton induced x ray emission analysis
11 p1792 N91-19832
Geological mapping in the Camel Flat-Allambi region of the Amadeus Basin with the NS001 airborne scanner
19 p3192 N91-27651
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662

NEW SOUTH WALES UNIV., SYDNEY (AUSTRALIA).
Studies on the optimisation of mobile phase composition in reversed-phase liquid chromatography
09 p1307 N91-17171
Integrated optics: Ion exchange optical waveguides
09 p1399 N91-17697
Amorphous hydrogenated silicon doping modulated multilayers and compensated films
09 p1409 N91-17755

NEW YORK CITY TECHNICAL COLL., BROOKLYN, NY.
Fluorescent penetrant inspection
12 p1859 N91-20209
Magnetic particle inspection 12 p1859 N91-20210
Radiographic inspection 12 p1859 N91-20211

NEW YORK UNIV., NEW YORK.
Plasma properties
[DE90-017256] 01 p0126 N91-10746
Research in natural language processing
[AD-A225531] 03 p0407 N91-12268
An artificial intelligence approach to the design of online information retrieval systems 03 p0426 N91-12388
Cognitive and neural bases of skilled performance
[AD-A226668] 05 p0695 N91-13869
Plasma properties
[DE91-001361] 05 p0718 N91-14006
Implementation and experimentation with motion planning algorithms
[AD-A228278] 08 p1203 N91-16612
Limit behaviors of approximate solutions to conservation laws
[DE90-010069] 08 p1208 N91-16646
Higher order mechanisms of color vision
[AD-A230448] 12 p1929 N91-20617
Convergence of the point vortex method for the 3-D Euler equations
[AD-A231285] 13 p2083 N91-21479
Cloud and ocean effects on global greenhouse warming
[DE91-008842] 13 p2114 N91-21639
Adaptive methods for compressible fluid dynamics
[AD-A232786] 15 p2429 N91-23455
Theoretical studies relating to the interaction of radiation with matter
[AD-A232107] 15 p2433 N91-23480
Hall effects on anomalous heat, particle and helicity transports through tearing-mode turbulence
[DE91-010730] 15 p2513 N91-23924
Laplace's equation and the Dirichlet-Neumann map in multiply connected domains
[DE91-011069] 17 p2846 N91-25733
Mathematical topics in the modelling and identification of multicomponent continua
[AD-A234471] 18 p3050 N91-26843
Nonlinear, hyperbolic and inverse problems
[AD-A236250] 19 p3236 N91-27894
A comparison of the potential and the Euler formulations of the equations of motion for transonic flow
[DE91-014731] 20 p3281 N91-28142
Plasma properties
[DE91-013933] 20 p3422 N91-28978
Cognition and the brain
[AD-A237846] 21 p3550 N91-29727
Analytical and numerical methods; advanced computer concepts
[DE91-014526] 21 p3561 N91-29795

NEW YORK UNIV. MEDICAL CENTER.
Oncogenic action of ionizing radiation
[DE91-005979] 10 p1563 N91-18595

NEWCASTLE-UPON-TYNE UNIV. (ENGLAND).
The effect of rotational oscillation on vortex shedding for a circular cylinder in uniform flow
03 p0363 N91-12035
Effect of lubricating oil characteristics on gear vibrations 05 p0668 N91-13710
Stellar convection and dynamo theory
08 p1244 N91-16857
GPS: Aspects of pseudo-range positioning offshore
21 p3455 N91-29161
Fifth force experiments 23 p3894 N91-31733

NIAGRA UNIV., NEW YORK, NY.
Lightning observations from space shuttle
10 p1627 N91-18971

NIELSEN ENGINEERING AND RESEARCH, INC., MOUNTAIN VIEW, CA.
Aerodynamic design of Pegasus (trademark): Concept to flight with CFD 06 p0773 N91-14285
Chordwise and spanwise centers of pressure of missile fins 06 p0776 N91-14304
Prediction of unsteady transonic separated flow for missile applications
[AD-A231259] 13 p2021 N91-21120
Advanced methods for atmospheric modeling
[AD-A232966] 16 p2657 N91-24700
The effects of compressibility on a supersonic mixing layer
[AD-A234992] 18 p2922 N91-26119

NIGERIA UNIV., NSUKKA.
Radio structures in QSO-galaxy pairs
08 p1257 N91-16924

NIHON UNIV., NARASHINO (JAPAN).
Flexural testing and evaluation methods of advanced composite materials 11 p1674 N91-19228

NIIGATA UNIV. (JAPAN).
Evolution of magnetized, rotating, isothermal clouds
05 p0753 N91-14191
X ray radiation from a gas-puff z-pinch plasma
19 p3249 N91-27971

NIJMEGEN UNIV. (NETHERLANDS).
The ABC-machine: A sequential stack-based abstract machine for graph rewriting
[TR-90-22] 23 p3909 N91-31824
On a ternary bracketing problem from the theory of formal languages
[TR-90-24] 23 p3909 N91-31825
Partial evaluation grammars
[TR-91-01] 23 p3910 N91-31826
Inventory and functional prototypes of neural networks
[TR-90-15] 23 p3917 N91-31880
A formal power series equation from formula complexity theory
[TR-90-25] 23 p3920 N91-31895
Formalisation of techniques: Chopping down the methodology jungle
[TR-90-26] 23 p3936 N91-31996

NIPPON ELECTRIC CO. LTD., TOKYO (JAPAN).
Parallelization techniques for a supercomputer with hierarchical memory architecture
13 p2067 N91-21386
Conservation of angular momentum in direct simulation Monte Carlo method 24 p3944 N91-32038

NIPPON ELECTRIC CO. LTD., YOKOHAMA (JAPAN).
A two- and three-dimensional fluid flow analysis system using a fast linear system solver
04 p0451 N91-12516

NIPPON INST. OF TECH. (JAPAN).
Muon SR studies on Sr2CuO2Cl2, La2CuO4, and Nd2CuO4: 2-D magnetism, local fields and muon sites
[DE90-018014] 02 p0269 N91-11506

NIPPON KOKAN K. K., KAWASAKI (JAPAN).
Fabrication of the Functionally Gradient Materials (FGM): The state of the art 03 p0328 N91-11827

NIPPON TELEGRAPH AND TELEPHONE PUBLIC CORP., YOKOSUKA (JAPAN).
Time concurrency/phase-time synchronization in digital communications networks 17 p2856 N91-25789

NIS UNIV. (YUGOSLAVIA).
Mathematical models for determining the protected spaces of the vertical lightning rod
24 p4052 N91-32634
A new approach to the determination of the striking distance from the lightning channel photos
24 p4063 N91-32698

NISSAN MOTOR CO. LTD., TOKYO (JAPAN).
Numerical simulations of the flow field in a SCRAM jet engine combustor 04 p0464 N91-12595
Visualization of the computed unsteady flow in three dimensions 04 p0465 N91-12601
Development of solid-lubricated ball-screws for use in space 16 p2641 N91-24617
Numerical simulations of chemically reacting flow
24 p3943 N91-32036

NOBEYEMA SOLAR RADIO OBSERVATORY (JAPAN).
CO mapping of the nuclear region of NGC 6946 and IC 342 with Nobeyama millimeter array
05 p0762 N91-14233

NORDISK INST. FOR TEORETISK ATOMFYSIK, COPENHAGEN (DENMARK).
Star bursts and giant H II regions
09 p1431 N91-17881

NORGES TEKNISKE HOEGSKOLE, TRONDHEIM.
Offshore technology R and D in space applications
13 p2030 N91-21162

NORSK DATA A.S., OSLO.
Design of a processing facility for synthetic aperture radar data at the Tromso ERS-1 ground station
13 p2029 N91-21161

NORSKE VERITAS, OSLO.
In orbit in-service inspection 03 p0329 N91-11836

NORTH AMERICAN AIRCRAFT OPERATIONS, LOS ANGELES, CA.
High performance transparency design
[AD-A234456] 18 p2924 N91-26133

NORTH ATLANTIC TREATY ORGANIZATION, BRUSSELS (BELGIUM).
Proceedings of the NATO-Advanced Study Institute, Diamond and Diamond-Like Films and Coatings
[AD-A225517] 04 p0500 N91-12779

NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIV., GREENSBORO.
Turbulence modeling for high speed compressible flows 04 p0593 N91-13310
Application of error correcting codes in fault-tolerant logic design for VLSI circuits
[AD-A228840] 09 p1327 N91-17291
Design and fabrication of the NASA HL-20 support cradle and interior mockup
[NASA-CR-188003] 12 p1832 N91-20065
Studies of a direct drive robot with a parallel configuration
[AD-A231265] 13 p2098 N91-21548
Impact damage tolerance of composites exposed to hot, cold, and wet environments
[AD-A236869] 19 p3121 N91-27241

An expert system for planning and scheduling in a telerobotic environment
[NASA-CR-188648] 19 p3233 N91-27876

NORTH CAROLINA STATE UNIV., RALEIGH.

Aerodynamic interaction of counter rotating propellers
02 p0157 N91-10910
Effects of electric current and field on the behavior of metallic materials 02 p0196 N91-11095
Tropical cyclone simulations with the Betts convective adjustment scheme 02 p0240 N91-11338
Distributed digital signal processors for multi-body structures
[NASA-CR-187375] 02 p0250 N91-11387
A Boundary Element Method (BEM) solution for a fractional operator modeled viscoelastic-acoustic system
03 p0377 N91-12107
Carrier collection and scattering in quantum well and superlattice devices
[AD-A224619] 03 p0421 N91-12357
Analyses of composite fuselage structure under various loading conditions 04 p0601 N91-13346
Theoretical evaluation of engine auxiliary inlet design for supersonic V/STOL aircraft
[NASA-CR-186610] 05 p0621 N91-13443
Software reliability through fault-avoidance and fault-tolerance
[NASA-CR-187646] 05 p0701 N91-13904
Growth and properties of Hg-based quantum well structures and superlattices 06 p0797 N91-14403
Growth, characterization and device development in monocrystalline diamond films
[AD-A227238] 06 p0882 N91-14871
A mesoscale planetary boundary layer numerical model for simulations of topographically induced circulations
06 p0929 N91-15113
Theoretical studies of chemisorption and surface reactions on nickel and silicon
[DE91-004171] 07 p0975 N91-15353
Design and fabrication of the NASA HL-20 full scale research model
[NASA-CR-187801] 08 p1095 N91-16008
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device
[AD-A228758] 08 p1135 N91-16246
Effects of electric fields and currents on microstructure, properties, and processing of metals and alloys
[AD-A228647] 09 p1312 N91-17201
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States
[PB91-100164] 09 p1358 N91-17464
A theoretical search for superveloicity semiconductors
[AD-A228718] 09 p1411 N91-17763
The application of the boundary element method to predict the response of a differential operator model for a coupled viscoelastic-acoustic system
10 p1522 N91-18383
Software reliability through fault-avoidance and fault-tolerance
[NASA-CR-187998] 11 p1776 N91-19741
Growth, characterization and device development in monocrystalline diamond films
[AD-A230186] 12 p1873 N91-20293
Nonequilibrium radiative heating prediction method for aeroassist flowfields with coupling to flowfield solvers
[NASA-CR-188112] 12 p1895 N91-20419
An investigation of the detection of tornadic thunderstorms by observing storm top features using geosynchronous satellite imagery
[NASA-CR-184126] 12 p1924 N91-20589
Pseudomorphic semiconducting heterostructures from combinations of AlN and GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A230268] 12 p1988 N91-20938
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and subsequent fabrication of superlattice structures using AlN and InN
[AD-A230269] 12 p1988 N91-20939
Integrated synthesis and post processing of silicon carbide and aluminum nitride
[AD-A230810] 13 p2056 N91-21317
Graduate fellowship in hypersonics
[AD-A231263] 13 p2083 N91-21478
Atomic layer epitaxy of silicon, silicon/germanium, and silicon carbide via extraction/exchange processes
[AD-A231348] 13 p2163 N91-21927
Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device structures
[AD-A232160] 15 p2518 N91-23955
Theoretical evaluation of engine auxiliary inlet design for supersonic V/STOL aircraft
[NASA-CR-187098] 16 p2549 N91-24123
Heterogeneous photocatalytic oxidation of atmospheric trace contaminants
[NASA-CR-188200] 16 p2654 N91-24685
A numerical and analytic analysis of nonlinear implicit differential equations arising in control and circuit problems
[AD-A232940] 16 p2678 N91-24822
Ion microprobe elemental analyses of impact features on interplanetary dust experiment sensor surfaces
16 p2712 N91-25007
Experimental investigation of a generic three-dimensional sidewall compression scramjet inlet at Mach 10 17 p2772 N91-25340
Shelf export of particulates/transport in continental margin waters
[DE91-011030] 17 p2816 N91-25564
Composite database interface users manual
[AD-A235327] 18 p2942 N91-26230
Active devices for monolithic millimeter-wave integrated circuits
[AD-A234033] 18 p2978 N91-26440
Parallel algorithms for least squares and related computations
[AD-A235018] 18 p3041 N91-26790
Strategies for reliable and real time execution on a heterogeneous multiprocessor
[AD-A234114] 18 p3043 N91-26801
Symposium E: Properties of 2-6 semiconductors. Bulk crystals, epitaxial films, quantum well structures
[AD-A234835] 18 p3069 N91-26957
Growth, characterization, and device development in monocrystalline diamond films
[AD-A235731] 19 p3251 N91-27983
An abbreviated Reynolds stress turbulence model for airfoil flows 20 p3280 N91-28140
Direct contact heat transfer to a dispersal droplet with change of phase 20 p3345 N91-28521
Thermal and non-Newtonian effects in elastohydrodynamic lubrication of rolling-sliding contacts
20 p3356 N91-28590
Growth, characterization, and device development in monocrystalline diamond films
[AD-A237463] 21 p3595 N91-30000
Defect reductions in epitaxial growth using superlattice buffer layers
[AD-A237710] 21 p3596 N91-30005
Device processing of II-VI semiconductor films and quantum well structures
[AD-A238460] 21 p3598 N91-30017
Atomic layer epitaxy group IV materials: Surface processes, thin films, devices and their characterization
[AD-A238506] 21 p3598 N91-30019
Pseudomorphic semiconducting heterostructures from combinations of AlN, GaN and seleced SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterizaiton and device development
[AD-A238520] 21 p3598 N91-30020
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and the subsequent fabrication of superlattice structures using AlN and InN
[AD-A238521] 21 p3598 N91-30021
The microstructure and corrosion resistance of ion implanted aluminum-molybdenum alloys containing the phase Al12Mo
[AD-A238470] 22 p3650 N91-30314
Noise characteristics of passive components for phased array applications
[NASA-CR-187819] 22 p3751 N91-30907
A computational and experimental investigation of a three-dimensional hypersonic scramjet inlet flow field
[NASA-CR-188788] 23 p3782 N91-31083
An approximate viscous shock layer technique for calculating chemically reacting hypersonic flows about blunt-nosed bodies
[NASA-CR-187617] 24 p4014 N91-32441

NORTH CAROLINA UNIV., CHAPEL HILL.

Measurement of radial ionization probability in microscopic volumes for 2.90 and 3.79 MeV alpha particles
[DE90-017509] 02 p0267 N91-11498
A cognitive basis for a computer writing environment
[AD-A225734] 04 p0561 N91-13115
On the spectral SLLN and pointwise ergodic theorem in L alpha
[AD-A225960] 04 p0573 N91-13180
Trimmed sums of mixing triangular arrays with stationary rows
[AD-A226257] 04 p0573 N91-13182
Bootstrapping the sample mean for data with infinite variance
[AD-A225870] 04 p0576 N91-13206
Sampling designs for estimating integrals of stochastic processes using quadratic mean derivatives
[AD-A225961] 04 p0577 N91-13207
Hoelder continuity of sample paths of some self-similar stable processes
[AD-A225989] 04 p0577 N91-13208
Characterizations of one-sided fractional Levy motions
[AD-A225990] 04 p0577 N91-13209
Interacting Hilbert space valued stochastic differential equations and propagation of chaos
[AD-A225991] 04 p0578 N91-13216
Displaying alphanumeric characters on pixel-planes 5
[AD-A228616] 08 p1204 N91-16622
Using computer-generated protocols to study writers' planning strategies
[AD-A228875] 08 p1242 N91-16844
Chemical activation of methane
[PB90-270455] 09 p1307 N91-17172
Testing of a model to estimate vapor concentration of various organic chemicals
[AD-A224956] 09 p1357 N91-17458
Improved syntactic disambiguation in the FASIT automatic indexing environment
11 p1813 N91-19956
Cyclone performance and optimization
[DE91-008440] 12 p1926 N91-20597
Ex-situ and in-situ ellipsometric studies of the thermal oxide on InP
[AD-A231095] 13 p2051 N91-21283
Single board system for fuzzy inference
13 p2140 N91-21784
Optical switching and optical logic in a thermally expanding Si etalon
[AD-A230706] 13 p2153 N91-21870
An investigation of Si-SiO2 interface charges in thermally oxidated (100), (110), (111), (511) silicon
[AD-A231244] 13 p2162 N91-21923
Homogeneous solution electrocatalysts for CO2 reduction
[AD-A231921] 14 p2243 N91-22409
Convergence of one-dimensional diffusion processes to a jump process related to population genetics
[AD-A232121] 15 p2496 N91-23826
Initial data for the two-body problem of general relativity 15 p2520 N91-23965
An expert system for searching in full-text
15 p2523 N91-23983
The thermodynamic stability of systems containing black holes 15 p2531 N91-24022
PEPICO studies of ion dissociations: The structure and heats of formation of ions, molecules, and free radicals
[DE91-010742] 17 p2861 N91-25823
Research in theoretical physics
[DE91-010744] 17 p2874 N91-25897
Multispectral identification of potentially hazardous byproducts of ozonation and chlorination. Part 1: Studies of chromatographic and spectroscopic properties of MX
[PB91-161703] 18 p3006 N91-26601
Research in stochastic processes
[AD-A234650] 18 p3053 N91-26860
Strong exchange coupling in lanthanide bis(phthalocyaninato) sandwich compounds
[AD-A234466] 18 p3068 N91-26951
Generating textures for arbitrary surfaces using reaction-diffusion
[AD-A236706] 19 p3127 N91-27277
Capacity of the independent increment noise channel
[AD-A235545] 19 p3149 N91-27405
Capacities of the Mean-Square-Constrained poisson channel
[AD-A235546] 19 p3149 N91-27406
Information capacity of the matched Gaussian channel with jamming. Part 2: Infinite-dimensional channels
[AD-A236847] 19 p3153 N91-27432
Supercomputing power for interactive visualization
[AD-A236717] 19 p3230 N91-27858
A computational model for the stereoscopic optics of a head-mounted display
[AD-A236705] 19 p3246 N91-27953
Search improvement via automatic query reformulation
[AD-A236588] 19 p3261 N91-28037
Building microelectronic systems in a university environment
[AD-A236629] 20 p3336 N91-28477
The use of science in the management of hazardous air pollutants 20 p3369 N91-28667
Prototyping parallel and distributed programs in proteus
[AD-A236597] 20 p3384 N91-28746
Providing common access mechanisms for dissimilar network interconnection nodes
[AD-A236630] 20 p3388 N91-28770
Taxonomy and algorithms for volume rendering on multicomputers
[AD-A236632] 20 p3388 N91-28771
The 1992 - 1997 renewal proposal interactive graphics for molecular studies
[AD-A236598] 20 p3396 N91-28823

A spectroscopic differential reflectometry study of (100), (110), (111), (311), and (511) silicon surfaces
[AD-A231022] 20 p3423 N91-28985
Numerical models of equilibrium between matter and black holes 20 p3442 N91-29101
Electrical, magnetic, and spectroscopic properties of tetrathiafulvalene charge transfer compounds with iron, ruthenium, rhodium, and iridium halides
[AD-A237607] 21 p3475 N91-29273
Materials processing of diamond: Etching, doping by ion implantation, and contact formation
[AD-A229357] 22 p3652 N91-30328
Convergence properties of a class of Rank-Two updates
[PB91-187799] 22 p3744 N91-30863
Precipitation regime changes associated with climatic changes
[PB91-206656] 24 p4070 N91-32740

NORTH CAROLINA UNIV., CHARLOTTE.

Five degree-of-freedom control of an ultra-precision magnetically-suspended linear bearing 13 p2036 N91-21196
Nonlinear compensation techniques for magnetic suspension systems 13 p2037 N91-21204
A model for the three-dimensional spacecraft control laboratory experiment 14 p2232 N91-22351
Magnetostrictive direct drive motor
[NASA-CR-188006] 14 p2270 N91-22561
A magneto-sensitive skin for robots in space
[NASA-CR-188956] 24 p4029 N91-32512

NORTH CAROLINA UNIV., GREENSBORO.

Carotid-cardiac baroreflex influence on forearm vascular resistance during low level LBNP 11 p1825 N91-20030

NORTH CAROLINA UNIV., RALEIGH.

Research and development on advanced silicon carbide thin film growth techniques and fabrication of high power and microwave frequency silicon carbide-based device structures
[AD-A225883] 04 p0518 N91-12885
Pseudomorphic semiconducting heterostructures from combinations of AlN, GaN and selected SiC polytypes: Theoretical advancement and its coordination with experimental studies of nucleation, growth, characterization and device development
[AD-A225893] 04 p0588 N91-13284
Growth, nitrogen vacancy reduction and solid solution formation in cubic GaN thin films and the subsequent fabrication of superlattice structures using AlN and InN
[AD-A225894] 04 p0588 N91-13285
Shear buckling of specially orthotropic plates with centrally located cutouts
[NASA-CR-187894] 09 p1352 N91-17429

NORTH CAROLINA UNIV., RESEARCH TRIANGLE PARK.

Pavement marking materials program
[PB90-264615] 09 p1286 N91-17067

NORTH DAKOTA ATMOSPHERIC RESOURCE BOARD, BISMARCK.

Federal-state cooperative program in atmospheric modification research, 1988
[PB91-141937] 17 p2812 N91-25541

NORTH DAKOTA STATE UNIV., FARGO.

Performance evaluation for deadlock detection in distributed database systems 07 p1076 N91-15921
Second Mini-Conference on Key Problems in Silicon Chemistry
[AD-A235243] 18 p2965 N91-26366

NORTH DAKOTA UNIV., GRAND FORKS.

Production of jet fuels from coal-derived liquids. Volume 14: Oxygenates content of coal-derived jet fuels
[AD-A224848] 03 p0347 N91-11939
Low-temperature plasma technology as part of a closed-loop resource management system 14 p2204 N91-22174
Performance evaluation of a novel erosion-resistant pump design
[DE91-008201] 18 p2993 N91-26528

NORTH TEXAS STATE UNIV., DENTON.

Two-photon absorption characterization of HgCdTe
[AD-A225086] 03 p0423 N91-12368

NORTHEAST ARTIFICIAL INTELLIGENCE CONSORTIUM, SYRACUSE, NY.

Northeast Artificial Intelligence Consortium (NAIC). Volume 1: Executive summary
[AD-A234880] 18 p3045 N91-26815
Northeast Artificial Intelligence Consortium (NAIC). Volume 2: Discussing, using, and recognizing plans
[AD-A234881] 18 p3046 N91-26816
Northeast Artificial Intelligence Consortium (NAIC). Volume 3: The Versatile Maintenance Expert System (VMES)
[AD-A234882] 18 p3046 N91-26817
Northeast Artificial Intelligence Consortium (NAIC). Volume 4: Distributed artificial intelligence for communications network management
[AD-A234883] 18 p3046 N91-26818
Northeast Artificial Intelligence Consortium (NAIC). Volume 5: Distributed planning for dynamic environments in the presence of time constraints
[AD-A234884] 18 p3046 N91-26819
Northeast Artificial Intelligence Consortium (NAIC). Volume 6: Building an intelligent assistant: The acquisition, integration, and maintenance of complex distributed tasks
[AD-A234885] 18 p3046 N91-26820
Northeast Artificial Intelligence Consortium (NAIC). Volume 7: Automatic photointerpretation
[AD-A234886] 18 p3047 N91-26821
Northeast Artificial Intelligence Consortium (NAIC). Volume 8: Artificial intelligence applications to speech recognition
[AD-A234887] 18 p3047 N91-26822
Northeast Artificial Intelligence Consortium (NAIC). Volume 9: A planner system for the application of indications and warning
[AD-A234888] 18 p3047 N91-26823
Northeast Artificial Intelligence Consortium (NAIC). Volume 10: Time oriented problem solving
[AD-A234889] 18 p3047 N91-26824
Northeast Artificial Intelligence Consortium (NAIC). Volume 11: Knowledge base maintenance
[AD-A234890] 18 p3047 N91-26825
Northeast Artificial Intelligence Consortium (NAIC). Volume 12: Computer architecture for very large knowledge bases
[AD-A234891] 18 p3047 N91-26826
Northeast Artificial Intelligence Consortium (NAIC). Volume 18: A distributed artificial intelligence approach to information fusion and object classification
[AD-A234892] 18 p3048 N91-26827
Northeast Artificial Intelligence Consortium (NAIC). Volume 14: Knowledge base retrieval using plausible inference
[AD-A234893] 18 p3048 N91-26828
Northeast Artificial Intelligence Consortium (NAIC). Volume 15: Strategies for coupling symbolic and numerical computation in knowledge base systems
[AD-A234894] 18 p3048 N91-26829
Northeast Artificial Intelligence Consortium (NAIC). Volume 16: Intelligent signal processing techniques for multi-sensor surveillance systems
[AD-A234895] 18 p3048 N91-26830
Northeast Artificial Intelligence Consortium (NAIC). Volume 17: High-level adaptive signal processing
[AD-A234896] 18 p3048 N91-26831
Northeast Artificial Intelligence Consortium (NAIC). Volume 13: Image understanding and intelligent parallel systems
[AD-A234897] 18 p3049 N91-26832

NORTHEASTERN UNIV., BOSTON, MA.

Improving system reliability through formal analysis and use of checks in software 04 p0600 N91-13343
Topics in gauge theories and the unification of elementary particle interactions
[DE91-006687] 09 p1397 N91-17690
Center for the study of rhythmic processes
[AD-A230166] 12 p1929 N91-20613
Center for the study of rhythmic processes
[AD-A230271] 12 p1929 N91-20614
Chaotic spectra of small molecules
[AD-A231638] 13 p2151 N91-21859
Effects of depolarization on the microwave properties of composites
[AD-A236349] 19 p3120 N91-27236

NORTHROP CORP., ANAHEIM, CA.

The generalized Tsiolkovsky equation 09 p1292 N91-17099

NORTHWEST ANALYSIS, BOZEMAN, MT.

The gravitomagnetic interaction and its relationship to other relativistic gravitational effects
[NASA-CR-187736] 13 p2116 N91-21649

NORTHWEST REGIONAL EDUCATIONAL LAB., PORTLAND, OR.

The temporal structure of cooperative activity 19 p3258 N91-28020
The communicative economy of the workgroup: Multi-channel genres of communication 19 p3258 N91-28021

NORTHWESTERN UNIV., CHICAGO, IL.

Intramolecular electron transfer rates
[DE90-017447] 02 p0268 N91-11504

NORTHWESTERN UNIV., EVANSTON, IL.

Residual stress and diffraction elastic constants measurements with a personal computer
[AD-A225145] 03 p0381 N91-12128
The 1988 anthropometric survey of US Army personnel: Correlation coefficients and regression equations. Part 1: Statistical techniques, landmark, and measurement definitions
[AD-A224986] 03 p0395 N91-12194
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 2: Simple and partial correlation tables-male
[AD-A224987] 04 p0551 N91-13055
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 3: Simple and partial correlation tables-female
[AD-A224988] 04 p0551 N91-13056
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 4: Bivariate regression tables
[AD-A224989] 04 p0551 N91-13057
Anthropometric survey of US Army personnel (1988). Correlation coefficients and regression equations. Part 5: Stepwise and standard multiple regression tables
[AD-A224990] 04 p0551 N91-13058
PBT, PBO-based hybrid polymers with nonlinear optical properties or high electrical conductivity
[AD-A226646] 05 p0640 N91-13552
Search for cold gas in clusters with and without cooling flows 05 p0749 N91-14174
Use of anomalous small angle x ray scattering to investigate microstructural features in complex alloys
[DE91-002397] 06 p0810 N91-14471
Plasma synthesis and sintering of advanced ceramics
[AD-A227932] 07 p0986 N91-15413
Effect of interfacial zone on mechanical behavior and failure of fiber-reinforced composites 09 p1303 N91-17153
Tailored interfaces for metal-matrix composites: Fundamental considerations
[AD-A229143] 09 p1304 N91-17158
The stability and dynamics of elastic structures and fluid flows
[AD-A229047] 09 p1337 N91-17344
Hydrodynamic lubrication under severe conditions 09 p1346 N91-17395
Friction and wear modeling in gears 09 p1347 N91-17400
General Monte Carlo reliability simulation code including common mode failures and HARP fault/error-handling
[NASA-CR-187793] 09 p1349 N91-17409
Efficient allocation of computational resources for finite element applications 09 p1350 N91-17417
Studies in nonlinear problems of energy
[DE91-005081] 10 p1495 N91-18230
Application for continuation of mixed ionic and electronic conductivity in polymers
[DE91-005077] 10 p1503 N91-18271
Chemical interactions in multimetal/zeolite catalysts
[DE91-007978] 11 p1680 N91-19261
Plasma, photon, and beam synthesis of diamond films and multilayered structures
[DE91-007934] 11 p1809 N91-19938
Solid state, surface, and catalytic studies of oxides
[DE91-007979] 11 p1810 N91-19939
Control of nanostructures in ultrahigh-strength steels
[AD-A230097] 12 p1869 N91-20272
Load sharing of the phases in 1080 steel during low cycle fatigue
[AD-A229735] 12 p1914 N91-20525
Materials can be stressed out too
[AD-A231351] 13 p2105 N91-21589
Contact-impact algorithms for penetration studies
[AD-A231049] 14 p2304 N91-22733
Oxidation studies of fluorine containing diamond films
[AD-A232696] 15 p2407 N91-23328
A new asymptotic theory for the periodically forced laser
[AD-A232633] 15 p2434 N91-23486
Probabilistic finite elements for fracture and fatigue analysis 16 p2586 N91-24332
Mechanisms of motion perception: Integration of direction, velocity, and space
[AD-A233340] 16 p2664 N91-24737
Defect structure of semiconducting and insulating epitaxial oxides, May 1, 1990 - April 30, 1991
[DE91-010640] 16 p2696 N91-24930
Supported organometallic complexes: Surface chemistry, spectroscopy, and catalysis
[DE91-010396] 17 p2759 N91-25275
Energetics, bonding mechanism and electronic structure of metal/ceramic interfaces
[DE91-009787] 18 p2944 N91-26239
Defect clustering and related properties of oxides
[DE91-011072] 18 p2952 N91-26290
Quantum mechanical approach to understanding microstructural and mechanical properties of intermetallics
[AD-A234702] 18 p2953 N91-26298

NATO advanced research workshop on Measurement of Residual and Applied Stress Using Neutron Diffraction
[AD-A235103] 18 p3000 N91-26566
Lyapunov exponents and rotation numbers of linear systems with real noise
[AD-A234729] 18 p3051 N91-26846
Chemistry on an atomic scale of ion-beam modified surfaces
[AD-A233707] 18 p3058 N91-26891
High energy density systems in cryogenic media: The production and reaction of atoms and radicals
[AD-A233785] 18 p3058 N91-26892
Experimental assessment of dynamic structural parameters for homogeneous and interfacial charge-transfer reactions: Case studies based on time-dependent Raman scattering methods
[AD-A235570] 19 p3157 N91-27453
Estimation and control of nonlinear and hybrid systems
[AD-A236938] 19 p3160 N91-27471
OSSE data flow and analysis
[AD-A236224] 19 p3168 N91-27515
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
SMM observations of interstellar Al-26
[AD-A236222] 19 p3264 N91-28055
Investigation of thermomechanical behavior of metal matrix composites 20 p3306 N91-28296
Tribology of aluminum-based metal matrix composites: Fundamental study of wear behavior as influenced by microstructure 20 p3306 N91-28297
Workshop proceedings: Toughening Mechanisms in Quasi-Brittle Materials
[AD-A238289] 21 p3470 N91-29248
Determining stresses in composites
[AD-A238618] 21 p3471 N91-29249
Mechanisms of transformation toughening
[DE91-013151] 21 p3478 N91-29293
NMR characterization of porous ceramics
[DE91-015051] 21 p3491 N91-29371
Infrared and Raman spectra of C60 and C70 solid films at room temperature
[AD-A237880] 21 p3506 N91-29462
Fission-fusion adaptivity in finite elements for nonlinear dynamics of shells
[AD-A238029] 21 p3532 N91-29626
Atomic structures and compositions of internal interfaces
[DE91-016095] 23 p3925 N91-31934

NORWALK STATE TECHNICAL COLL., CT.
Correlation of leak rates of various fluids with the leak rate of an inert gas in the same configuration 11 p1825 N91-20033

NORWEGIAN DEFENCE RESEARCH ESTABLISHMENT, KJELLER.
SAR detection of topography, vegetation and installations over land
[FFI-90/7016] 05 p0649 N91-13600
Gravity waves excited by flow over an obstacle
[FFI-90/7017] 05 p0688 N91-13828
NDRE/TAII processor architecture study
[FFI-90/7012] 05 p0699 N91-13891
CESAR MALU program library
[FFI-90/7010] 05 p0703 N91-13922
BAG: A programming language for the CESAR buffer address generator
[FFI-90/7022] 05 p0704 N91-13923
CESAR trap program library
[FFI-90/7023] 05 p0704 N91-13924
A study of a titanium doped sapphire laser
[FFI-90/7040] 10 p1529 N91-18421
Vehicle charging in low density plasmas 10 p1552 N91-18534
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 1: Methodology
[FFI-90/4005-VOL-1] 12 p1844 N91-20138
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 2: General data flow diagram
[FFI-90/4005-VOL-2] 12 p1844 N91-20139
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 3: Data dictionary
[FFI-90/4005-VOL-3] 12 p1845 N91-20140
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 5: Specification mode 15, A + T + B + H
[FFI-90/4005-VOL-5] 12 p1845 N91-20141
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 9: Specification of sub-processes
[FFI-90/4005-VOL-9] 12 p1845 N91-20142
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 4: Processor mini-spec
[FFI-90/4005-VOL-4] 13 p2026 N91-21145
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 6: Specification mode 16, N
[FFI-90/4005-VOL-6] 13 p2027 N91-21146
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 7: Specification mode 29, N + A + T + H
[FFI-90/4005-VOL-7] 13 p2027 N91-21147
Specification of the autonomous missile guidance problem for the TA11 processor. Volume 8: Specification mode 30, N + A + T + B
[FFI-90/4005-VOL-8] 13 p2027 N91-21148
Norwegian studies of plasma modifications around spacecraft and how these affect the vehicle potential 13 p2030 N91-21166
System for generation of synthetic images (SYBIL)
[FFI-90/4002] 14 p2308 N91-22753
Alarm response of 'CAM' downwind to chemical attacks
[FFI-90/6007] 14 p2321 N91-22821
CESAR operating system
[FFI-91/7002] 15 p2484 N91-23754
Measurement of RCS for a moving target by use of medium-PRF radar
[FFI-90/7047] 22 p3665 N91-30403
Ionospheric HF radio propagation at high latitudes using conventional and spread spectrum modulation
[FFI-91/7003] 22 p3665 N91-30404
Development of procedures for verification of alleged use of chemical warfare agents: Application of procedures after a simulated attack on an air base
[FFI-91/6006] 24 p3963 N91-32148
Analysis of samples for the second (1990) round robin interlaboratory exercise
[FFI-91/6004] 24 p3972 N91-32188
Instability of shaped charged jets with general constitutive equations
[FFI-91/4004] 24 p3975 N91-32203
The physics of the oscillating lightning 24 p4063 N91-32696
A political scenario for Europe: Pan-European security system
[FFI-91/5009] 24 p4118 N91-33015

NORWEGIAN SPACE CENTER, OSLO.
Norway in space, 1988. A short presentation of the Norwegian Space Center and space related industry
[NSC-REPT-(89)8] 03 p0318 N91-11780
Space research in Norway
[NSC-REPT-(89)5] 03 p0318 N91-11781
National long term plan for space activities including action plan for 1990-1993
[NRS-REPT-90-1] 07 p0949 N91-15208
Norway in space, 1989/1990: A short presentation of the Norwegian Space Centre and space related industry
[NSC-REPT(90)4] 07 p0949 N91-15209
From Earth to space and back: Selected papers on Norwegian space activities
[NSC-REPT(90)2] 13 p2029 N91-21159
Development of Norwegian space activities 13 p2029 N91-21160
Space research in Norway 13 p2030 N91-21167
Activities report of the Norwegian Space Center
[ETN-91-98904] 22 p3626 N91-30176

NORWEGIAN TELECOMMUNICATIONS ADMINISTRATION, OSLO.
Some considerations concerning low noise radio receiving systems 22 p3660 N91-30374

NORWEGIAN UNDERWATER TECHNOLOGY CENTER LTD., LAKSEVAAG.
Effects of weightlessness (sea water immersion) on body fluid balance and CNS functions 15 p2449 N91-23566

NOTRE DAME UNIV., IN.
Compressible flows with periodic vortical disturbances around lifting airfoils 03 p0300 N91-11670
Nuclear and astrophysical implications of proton capture on Si-28 03 p0437 N91-12447
Real-time filtering and detection of dynamics for compression of HDTV
[NASA-CR-187777] 08 p1200 N91-16596
Studies in the theory of semiconductors 09 p1409 N91-17754
Design of a remotely piloted vehicle for a low Reynolds number station keeping mission 10 p1482 N91-18166
Research conducted at the Radiation Lab, Notre Dame Univ.
[DE91-007969] 11 p1794 N91-19843
Wanted: Lunar detectives to unravel the mysteries of the Moon! Crime to be solved: Mass extinctions on the Moon by meteorite impact! 11 p1822 N91-20010
Visualization of leading edge vortices on a series of flat plate delta wings
[NASA-CR-4320] 12 p1831 N91-20062
Unsteady aerodynamics of slender wings 14 p2192 N91-22105
Error control techniques for satellite and space communications
[NASA-CR-187960] 14 p2255 N91-22471
Effects of three-dimensional imposed disturbance on bluff-body near wake flows
[AD-A232137] 15 p2428 N91-23447
Structural and electronic properties of the ordered ternary 3-5 semiconductors 15 p2514 N91-23936
Breaking down the delta wing vortex: The role of vorticity in the breakdown process
[NASA-CR-188235] 16 p2546 N91-24109
An experimental analysis of critical factors involved in the breakdown process of leading edge vortex flows
[NASA-CR-188231] 16 p2546 N91-24110
Study of interfacial behavior in cocurrent gas-liquid flows
[DE91-013008] 20 p3343 N91-28511
Vibrational, mechanical, and thermal properties of III-V semiconductors
[AD-A237785] 21 p3596 N91-30008
Linear and nonlinear responses of the flow and temperature fields to imposed wall temperature oscillations in differentially heated vertical rectangular enclosures 23 p3865 N91-31550
Compressible flows with vortical disturbances around a cascade of airfoils 24 p3951 N91-32083

NOTTINGHAM UNIV. (ENGLAND).
Developments in particulate and short fiber composites 03 p0341 N91-11909
Investigation of the muon component of EAS initiated by primary radiation from Hercules X-1 15 p2534 N91-24037
A study of the muon content of EAS initiated by UHE gamma ray emission from Cygnus X-3 16 p2705 N91-24968
Kinematic GPS surveying 20 p3282 N91-28149
Precise orbit determination for GPS satellites 20 p3288 N91-28183
The determination of mean sea level using GPS 20 p3377 N91-28708
Electrostatic transducers for airborne ultrasonics 22 p3620 N91-30138
Spark ignition engine combustion process analysis 22 p3647 N91-30296
The prediction of stress intensity factors by three-dimensional photoelasticity 22 p3692 N91-30555

NOVA SCOTIA RESEARCH FOUNDATION CORP., DARTMOUTH.
Characterization of fire resistant GRP's by mechanical properties determination
[DREA-CR-88-421] 23 p3817 N91-31295

NOVA UNIV., DANIA, FL.
General closed-form orthonormalization methods with applications to adjustment tensors
[AD-A233180] 16 p2679 N91-24827
Generalized latitude and longitude in a general Riemannian space, with a specialization for Hotine's (omega, phi, nu) coordinate system
[AD-A235584] 19 p3183 N91-27605

NOVA UNIV., FORT LAUDERDALE, FL.
Phytoplankton abundance in relation to Lagrangian paths
[AD-A233728] 18 p3020 N91-26672

NOVESPACE, PARIS (FRANCE).
Economical test method and ease of access under microgravity: The zero-g Caravelle 07 p0959 N91-15276

NSI TECHNOLOGY SERVICES CORP., CORVALLIS, OR.
Confidence intervals and curvature measures in nonlinear regression using the IML and NLIN procedures in SAS(tm) software
[PB90-246398] 01 p0108 N91-10624
Atlas of air quality and deposition in or near forests of the Western United States
[PB91-106229] 09 p1359 N91-17466
Biodiversity and human impacts
[PB90-263963] 09 p1370 N91-17530
Projection of response of trees and forests to acidic deposition and associated pollutants
[PB91-136572] 16 p2654 N91-24684

NSI TECHNOLOGY SERVICES CORP., RESEARCH TRIANGLE PARK, NC.
Evaluation of particle beam liquid chromatography/mass spectrometry for the analysis of polar semivolatile organic compounds in air samples
[PB91-127746] 12 p1921 N91-20568

NTI, INC., DAYTON, OH.
Aircrew Evaluation Sustained Operations Performance (AESOP): A triservice facility for technology transition
[AD-A234626] 18 p3032 N91-26738
NUEVAS TECNOLOGIAS ESPACIALES S.A., LLISSA D'AMUNT (SPAIN).
Design, implementation and evaluation of new fully automated algorithms for the extraction of cardiac parameters from 3D, 2D and M-mode echocardiograms
11 p1743 N91-19582
NUFFIELD RADIO ASTRONOMY LABS., JODRELL BANK (ENGLAND).
The morphology of Sersic-Pastoriza galaxies
08 p1252 N91-16693

O

OAK RIDGE ASSOCIATED UNIVERSITIES, INC., TN.
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones
[DE91-008144] 12 p1975 N91-20867
OAK RIDGE GASEOUS DIFFUSION PLANT, TN.
Evaluation of available perfluorobutane data for selected physical properties
[DE90-016516] 01 p0024 N91-10145
Fluid flow effects on electroplating
[DE91-001087] 05 p0645 N91-13577
Electroless nickel bath recovery by cation exchange and precipitation
[DE91-001988] 06 p0807 N91-14457
OAK RIDGE K-25 SITE, TN.
Project Records Information System (PRIS)
[DE91-004901] 07 p1077 N91-15924
Engineering Design Information System (EDIS)
[DE91-004904] 07 p1077 N91-15925
Active Design Database (ADDB) user's manual
[DE91-010431] 15 p2523 N91-23985
Security aspects of database management systems
[DE91-010677] 15 p2524 N91-23987
Greenhouse warming potential of candidate gaseous diffusion plant coolants
[DE91-009986] 19 p3186 N91-27618
The effect of fluoride gases on cylinder valve corrosion
[DE91-012745] 20 p3316 N91-28355
Development of ceramic membranes for gas separation: FY 1990 development activities
[DE91-015915] 23 p3818 N91-31300
OAK RIDGE NATIONAL LAB., TN.
Energy efficiency improvement potential of commercial aircraft to 2010
[DE90-014767] 01 p0008 N91-10046
Composite heat damage. Part 1: Mechanical testing of IM6/3501-6 laminates. Part 2: Nondestructive evaluation studies of IM6/3501-6 laminates
[DE90-016207] 01 p0021 N91-10125
On the effects of magnetic bonding in rare earth transition metal intermetallics
[DE90-015800] 01 p0026 N91-10156
Brittle fracture and ductility improvement in nickel and iron aluminides
[DE90-017319] 01 p0028 N91-10167
Design methodology needs for fiber-reinforced ceramic heat exchangers
[DE90-016659] 01 p0030 N91-10178
Meetings on the structure and properties of implanted ceramics
[DE90-017313] 01 p0030 N91-10181
Electroplating corners
[DE90-017023] 01 p0033 N91-10195
The GAMMASPHERE
[DE90-016849] 01 p0038 N91-10224
Heavy duty liquid and gaseous fuel emissions database test results from four alternative fuel configurations of the Caterpillar 3406 engine
[DE90-014783] 01 p0048 N91-10288
Modeling of hydrocarbon fueling
[DE90-014790] 01 p0048 N91-10289
Short-rotation woody crop opportunities to mitigate carbon dioxide buildup
[DE90-016526] 01 p0067 N91-10406
Research on climate change
[DE90-016726] 01 p0068 N91-10408
Artificial intelligence, human factors, robotics, and computer simulation
[DE90-016866] 01 p0112 N91-10653
Nonlinear optics and nonlinear dynamics
[DE90-015975] 01 p0121 N91-10716
Pellet injector development at ORNL (Oak Ridge National Laboratory)
[DE90-017024] 01 p0126 N91-10742
Preparation of superconducting wire by deposition of YBa2Cu3O(x) onto fibers
[DE90-013380] 01 p0128 N91-10758
Radiation damage in Al2O3 crystals implanted with 3.8 MeV Fe(2+)
[DE90-016038] 01 p0129 N91-10761
Substrate temperature effects on (cubic x cubic lattice) R 30 deg domain growth of Ag on Si(111) surface
[DE90-016527] 01 p0131 N91-10772
Study of asymmetric supersonic jet flow for ejectors
[DE90-015598] 02 p0158 N91-10917
Potential for advanced thermoplastic composites in space systems
[DE90-014447] 02 p0191 N91-11069
Resonance ionization spectroscopy of molecular clusters using picosecond lasers
[DE90-017334] 02 p0193 N91-11080
Applications of diode lasers to resonance ionization mass spectrometry
[DE90-017768] 02 p0194 N91-11084
Defects in close-packed metals and alloys
[DE90-017502] 02 p0196 N91-11097
The stability of irradiation-induced defects in NiAl
[DE90-017744] 02 p0197 N91-11103
Mechanical behavior of ceramics and composites
[DE90-017311] 02 p0200 N91-11122
Analysis and prediction of thermal properties of mesophases and crystals by calorimetry and supercomputers
[DE90-015538] 02 p0200 N91-11123
Chemically vapor deposited diamond films
[DE91-000384] 02 p0201 N91-11125
Performances of four magnetic heat-pump cycles
[DE90-015606] 02 p0212 N91-11185
Thermal performance analysis for heat exchangers using nonazeotropic refrigerant mixtures
[DE90-016030] 02 p0212 N91-11186
Measurement of two-phase flow momentum with force transducers
[DE90-008748] 02 p0213 N91-11188
Laser applications for high-T(sub c) superconductors
[DE90-017743] 02 p0216 N91-11209
Indentation testing of thin films and hard materials
[DE90-017758] 02 p0219 N91-11224
Mobile robots and intelligent motion control
[DE90-017312] 02 p0219 N91-11226
Democratic theory, science, and decision making in global climate change: Culpability, uncertainty, and fairness
[DE90-017316] 02 p0234 N91-11308
Parallel performance models for the nodal transport method on the hypercube
[DE90-015162] 02 p0254 N91-11408
On the adequacy of message-passing parallel supercomputers for solving neutron transport problems
[DE90-016041] 02 p0257 N91-11431
A unified framework for credit assignment
[DE90-011636] 02 p0258 N91-11434
Modeling histogram data with piecewise polynomials
[DE90-018037] 02 p0262 N91-11467
Newly appreciated roles for electrons in ion-atom collisions
[DE91-000555] 02 p0269 N91-11509
X ray microprobe-microscopy
[DE90-017327] 02 p0271 N91-11520
Advanced infrared optically black baffle materials
[DE91-000561] 02 p0271 N91-11523
Mechanical properties, fracture behavior, and grain-boundary chemistry of B-doped NiAl
[DE90-015153] 02 p0277 N91-11558
Surface anharmonicity: Temperature dependence of phonon energies on Cu(110)
[DE90-017735] 02 p0279 N91-11567
High energy iron ion implantation into sapphire
[DE90-017736] 02 p0279 N91-11568
Ion mixing of semiconductor superlattices
[DE90-017769] 02 p0279 N91-11569
Compositional imaging of semiconductor interfaces by Z-contrast Scanning Transmission Electron Microscope (STEM)
[DE90-017763] 02 p0280 N91-11576
Development of the structural materials information center
[DE90-016521] 02 p0285 N91-11603
Reinforced ceramics employing discontinuous phases
[DE91-000399] 03 p0344 N91-11928
Insulating materials and large high voltage electric systems
[DE90-017851] 03 p0358 N91-12007
Fracture mechanics of inhomogeneous materials
[DE91-000690] 03 p0381 N91-12129
The part task trainer for airborne weapons systems: Human factors evaluation of the user interface
[DE90-017772] 03 p0397 N91-12205
Commercial aircraft fuel efficiency potential through 2010
[DE91-000720] 04 p0479 N91-12671
Advanced materials: Information and analysis needs
[DE91-001017] 04 p0496 N91-12752
Stress-displacement relation during fiber pullout
[DE91-000392] 04 p0498 N91-12763
Development of continuous fiber reinforced silicon nitride
[DE91-001156] 04 p0498 N91-12764
Characterization and control of the fiber-matrix interface in ceramic matrix composites
[DE91-000922] 04 p0498 N91-12766
Resonance ionization spectroscopy and its applications
[DE91-001150] 04 p0502 N91-12789
Fabrication and mechanical properties of Fe3Al-based iron aluminides
[DE91-001001] 04 p0505 N91-12802
Proceedings of the 4th Annual Conference on Fossil Energy Materials
[DE91-001158] 04 p0505 N91-12805
Cooperative international program on mechanical strength measurements of ceramics
[DE91-000102] 04 p0508 N91-12822
Ceramic technology for advanced heat engines project
[DE91-001004] 04 p0508 N91-12823
Large collective lamb shifts in high pressure noble gases
[DE90-017761] 04 p0528 N91-12924
Matrix-assisted laser desorption Fourier transform mass spectrometry for biological compounds
[DE91-000393] 04 p0529 N91-12935
Analytical and experimental evaluation of joining silicon nitride to metal and silicon carbide to metal for advanced heat engine applications
[DE91-000535] 04 p0532 N91-12952
SQTTEXT: A tool for editing Structured Query Language (SQL) text within ORACLE SQL*Forms applications
[DE91-000534] 04 p0565 N91-13134
Atomic data for fusion. Volume 1: Collisions of H, H2, He and Li atoms and ions with atoms and molecules
[DE91-000527] 04 p0581 N91-13238
Electron emission during multicharged ion-surface interactions
[DE91-000615] 04 p0581 N91-13240
Electron capture by multicharged ions from hydrogen atoms at eV energies
[DE91-001214] 04 p0582 N91-13243
Fast-wave current drive modelling for large non-circular tokamaks
[DE91-000562] 04 p0584 N91-13261
Patterning and overgrowth of nanostructure quantum well wire arrays by LP-MOVPE (low pressure-metalorganic vapor phase epitaxy)
[DE91-000717] 04 p0591 N91-13302
Influence of oxide reinforcement materials on high-temperatue oxidation resistance of Ni3Al matrix composites
[DE91-001625] 05 p0632 N91-13498
Progress in the detection of single molecules in levitated droplets
[DE91-000612] 05 p0635 N91-13517
Advanced Materials Development Program: Ceramic Technology for Advanced Heat Engines program plan, 1983--1993
[DE91-000516] 05 p0641 N91-13555
Optical characterization techniques applied to ceramic oxides
[DE91-001526] 05 p0641 N91-13556
High-alcohol microemulsion fuel performance in a diesel engine
[DE91-001617] 05 p0644 N91-13572
Characterization of rocket propellant combustion products: Description of sampling and analysis methods for rocket exhaust characterization studies
[DE91-002536] 05 p0644 N91-13574
Performance comparison of magnetic refrigeration cycles
[DE91-001520] 05 p0645 N91-13578
Radiation effects on JFETs (Junction Field-Effect Transistors), MOSFETs, and dipolar transistors, as related to SSC circuit design
[DE91-001486] 05 p0652 N91-13618
Laser-induced fluorescence of phosphors for remote cryogenic thermometry
[DE91-001733] 05 p0662 N91-13681
Results from the second year of operation of the Federal Methanol Fleet at Oak Ridge National Laboratory
[DE91-000543] 05 p0669 N91-13718
Potential impact of enhanced fracture-toughness data on pressurized-thermal-shock analysis
[DE91-001493] 05 p0677 N91-13763
Managing the Global Commons Decision Making and Conflict Resolution in Response to Climate Change Research Workshop
[DE91-001018] 05 p0685 N91-13810
Acidic deposition and the environment
[DE91-002352] 05 p0685 N91-13812

Terrestrial ecosystems and climatic change
[DE91-001492] 05 p0685 N91-13813
Inorganic concepts relevant to metal binding, activity, and toxicity in a biological system
[DE91-001489] 05 p0693 N91-13858
Synthetic models of distributed memory parallel programs
[DE91-001058] 05 p0705 N91-13931
An application of oscillation damped motion for suspended payloads to the advanced integrated maintenance system
[DE91-002658] 05 p0708 N91-13946
Interpretation of engine cycle-to-cycle variation by chaotic time series analysis
[DE91-000729] 05 p0709 N91-13955
Computing the eigenvalues and eigenvectors of a general matrix by reduction to general tridiagonal form
[DE91-002523] 05 p0710 N91-13959
Assessment of ion-atom collision data for magnetic fusion plasma edge modelling
[DE91-001920] 05 p0719 N91-14012
International Thermonuclear Experimental Reactor physics basis
[DE91-002646] 05 p0720 N91-14017
ITER confinement capability
[DE91-002647] 05 p0720 N91-14018
Dependence of CIT (compact ignition tokamak) PF (poloidal field) coil currents on profile and shape parameters using the control matrix
[DE91-002650] 05 p0720 N91-14019
Ion-induced damage and amorphization in Si
[DE91-002358] 05 p0727 N91-14061
Linear vs nonlinear and infinite vs finite: An interpretation of chaos
[DE91-002522] 05 p0729 N91-14072
Report of foreign travel
[DE91-001732] 05 p0731 N91-14082
Interfacial push-out measurements of fully-bonded SiC/SC composites
[DE91-004527] 06 p0804 N91-14436
In-line sensors for electrolytic magnesium cells
[DE91-002561] 06 p0804 N91-14438
The effect of scandium on the phase stability of Al3Nb and Al3Zr
[DE91-002657] 06 p0808 N91-14459
Ion implantation for corrosion inhibition of aluminum alloys in saline media
[DE91-002887] 06 p0808 N91-14461
Effects of irradiation on initiation and crack-arrest toughness of two high-copper welds and on stainless steel cladding
[DE91-001272] 06 p0809 N91-14467
Ultrasonic detection of fatigue damage in glass-epoxy composites
[DE91-002652] 06 p0836 N91-14619
Quality control and nondestructive test procedures for welded products
[DE91-004530] 06 p0836 N91-14623
High-temperature thermal storage systems for advanced solar receivers materials selections
[NASA-CR-187750] 06 p0841 N91-14647
Acidic deposition: Its nature and impacts
[DE91-001984] 06 p0843 N91-14658
Validity of environmental transfer models
[DE91-002929] 06 p0843 N91-14660
The response of atmospheric CO2 to changes in land use
[DE91-001212] 06 p0844 N91-14663
Environmental impact assessment as applied to policies, plans, and programs
[DE91-001372] 06 p0844 N91-14664
Modified seasonal factors in exponential smoothing
[DE91-002802] 06 p0849 N91-14688
Prediction of helicopter simulator sickness
[DE90-016530] 06 p0853 N91-14710
Status of the advanced neutron source
[DE91-002870] 06 p0870 N91-14810
Study of spin-temperature effects using energy-ordered continuum gamma ray spectroscopy technique
[DE91-002854] 06 p0872 N91-14818
Fueling of magnetically confined plasmas by single- and two-stage repeating pneumatic pellet injectors
[DE91-002635] 06 p0875 N91-14839
Characteristics and potential applications of an ORNL microwave ECR multicusp plasma ion source
[DE91-002649] 06 p0875 N91-14840
ITER global stability limits
[DE91-001488] 06 p0876 N91-14845
Tokamak fluidlike equations, with applications to turbulence and transport in H mode discharges
[DE91-002632] 06 p0877 N91-14849
Ion beam induced diffusion and crystallization in high dose Er implanted Si
[DE91-002869] 06 p0880 N91-14860
Defect and impurity effects on the initial growth of Ag on Si(111)
[DE91-001277] 06 p0882 N91-14876
Radioluminescent (RL) airfield lighting system program
[DE91-001007] 07 p0946 N91-15186
Effect of whisker surface treatments and processing conditions on the SiC/Al2O3 interface
[DE91-004780] 07 p0970 N91-15326
Development of inorganic membranes for gas separation
[DE91-000726] 07 p0975 N91-15350
The crystallography of cleavage fracture in Al3Sc
[DE91-004380] 07 p0979 N91-15373
Comparison of the effects of long-term thermal aging and HFIR irradiation on the microstructural evolution of 9Cr-1MoVNb steel
[DE91-004516] 07 p0980 N91-15379
Low heat rejection diesel ceramic coupon tests
[DE91-000737] 07 p0984 N91-15401
New materials for thick-film electronics
[DE91-000518] 07 p0998 N91-15481
On the HEMP (High-Altitude Electromagnetic Pulse) environment for protective relays
[DE91-001880] 07 p0999 N91-15488
Optimizing the temperature compensation of an electronic pressure measurement system
[DE91-000522] 07 p1005 N91-15516
Tribology conferences and forums
[DE91-004781] 07 p1010 N91-15545
A distributed data acquisition software scheme for the laboratory telerobotic manipulator
[NASA-CR-187841] 07 p1011 N91-15551
Volumetric reach comparison of possible end-effectors for the articulated transporter and manipulator system
[DE91-004390] 07 p1011 N91-15552
Controller design for a teleoperator system with dissimilar kinematics and force feedback
[DE91-004391] 07 p1011 N91-15553
Custom electronic subsystems for the laboratory telerobotic manipulator
[NASA-CR-187730] 07 p1011 N91-15554
Improved eddy-current inspection for steam generator tubing
[DE91-002860] 07 p1013 N91-15561
TRENDS '90: A compendium of data on global change
[DE91-000587] 07 p1026 N91-15632
Natural resource and economic implications of global climate change
[DE91-004554] 07 p1027 N91-15636
A compute-ahead implementation of the fan-in sparse distributed factorization scheme
[DE91-000531] 07 p1053 N91-15781
A two-sided game for competitive systems with non-local interactions
[DE90-008490] 07 p1056 N91-15803
Physics models in the toroidal transport code PROCTR
[DE91-000519] 07 p1069 N91-15881
Plasma turbulence calculations on the Intel iPSC/860 (RX) hypercube
[DE91-004773] 07 p1070 N91-15884
High Tc superconductivity
[DE91-000692] 07 p1070 N91-15887
Application of ion implantation to electrochemical studies
[DE91-000708] 07 p1070 N91-15888
Growth and transport properties of Y-Ba-Cu-O/Pr-Ba-Cu-O superlattices
[DE91-000721] 07 p1070 N91-15889
Electronic excitations in fast ion-solid collisions
[DE91-000736] 07 p1071 N91-15890
Theory of thermal hydraulic quenchback in cable-in-conduit superconductors
[DE91-004395] 07 p1071 N91-15895
Superconductor stability 1990: A review
[DE91-004396] 07 p1072 N91-15896
Electron ion interactions in crystal channels: Collisions in ultra-dense electron media
[DE91-004398] 07 p1072 N91-15897
Importance of biological systems in industrial waste treatment potential application to the space station
07 p1080 N91-15943
Optical constants of kerogen from 0.15 to 40 microns: Comparison with meteoritic organics
[NASA-CR-187825] 07 p1083 N91-15957
Application of diode lasers to resonance ionization mass spectrometry
[DE91-000614] 08 p1110 N91-16094
Ultrasensitive molecular fluorescence spectroscopy in levitated microdroplets
[DE91-000621] 08 p1110 N91-16095
Picosecond multiphoton ionization of atomic and molecular clusters
[DE91-000641] 08 p1110 N91-16096
Weldability of nickel aluminides
[DE90-008557] 08 p1113 N91-16116
HAZ liquation cracking behavior in newly developed lean 316 stainless steels
[DE90-009409] 08 p1113 N91-16117
Bibliography of the technical literature of the Materials Joining Group, Metals and Ceramics Division, 1951--June 1989
[DE91-000530] 08 p1115 N91-16126
Microwave sintering of fuel cell materials
[DE90-011643] 08 p1118 N91-16143
Gelcasting of sub-micron alumina, sialon, and silicon nitride powders
[DE91-000618] 08 p1118 N91-16145
Updated evaluation of polymer films for electrical insulation
[DE91-000544] 08 p1119 N91-16148
Initial parametric results using CYCLEZ: A LMTD-specified, Lorenz-Meutzner cycle refrigerator-freezer model
[DE90-010146] 08 p1123 N91-16175
Meetings to share advancements in heat pump technologies
[DE90-010008] 08 p1137 N91-16257
Concepts for future developments in electron microscopy
[DE90-010630] 08 p1148 N91-16320
Experimentation and concept formation by an autonomous mobile robot
[DE90-003063] 08 p1156 N91-16368
Ultrasound and visual sensor feedback and fusion
[DE90-005280] 08 p1156 N91-16369
Multi-criteria position and configuration optimization for redundant platform/manipulator systems
[DE90-010705] 08 p1157 N91-16372
Time optimal trajectories for a two wheeled robot
[DE90-010335] 08 p1158 N91-16376
Optimal positioning of redundant manipulator-platform systems for maximum task efficiency
[DE90-011061] 08 p1158 N91-16378
Design of a telerobotic controller with joint torque sensors using 2-port network theory
[NASA-CR-186543] 08 p1158 N91-16379
NASA Laboratory telerobotic manipulator control system architecture
[NASA-CR-187751] 08 p1159 N91-16385
Test methods for evaluating hot cracking: Review and perspective
[DE90-009820] 08 p1161 N91-16397
Specimen size effects in Charpy impact testing
[DE90-011369] 08 p1162 N91-16399
Preparations for a major international symposium on electricity and the environment
[DE90-010539] 08 p1171 N91-16449
Potential responses of landscape boundaries to global environmental change
[DE90-008568] 08 p1172 N91-16451
Determination of airborne organics by direct sampling mass spectrometry
[DE90-009422] 08 p1172 N91-16452
International decision making and global climate change: Lessons of prior resource management efforts for consensus building
[DE90-010714] 08 p1172 N91-16454
Finalization of the international biospheric model validation study
[DE90-011087] 08 p1174 N91-16463
Monitoring challenges and innovative ideas
[DE91-000586] 08 p1174 N91-16485
An automatic ordering method for incomplete factorization iterative solvers
[DE91-001974] 08 p1210 N91-16659
Interatomic forces and bonding mechanisms in MgO clusters
[DE90-010148] 08 p1220 N91-16719
The theory of electron-ion collisions: The role of doubly excited states
[DE90-011078] 08 p1220 N91-16721
Initial calorimetry experiments in the Physics Divsion, ORNL (Oak Ridge National Laboratory)
[DE90-010301] 08 p1226 N91-16756
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
YBa2Cu3O(7-x) thin film growth on single crystal and polycrystalline yttria-stabilized zirconia
[DE90-010707] 08 p1231 N91-16788
Dose rate effects on damage formation in ion-implanted gallium arsenide
[DE91-000394] 08 p1235 N91-16806
Characterization of GaAs/Si interface structure by x ray diffraction
[DE91-004769] 08 p1236 N91-16811
Domain boundaries formed during epitactical growth of alpha-Al2O3
[DE91-005018] 08 p1236 N91-16814

Subject bibliography of the PMA 205 (Program Manager Air 205) network technical library at Oak Ridge National Laboratory
[DE90-009988] 08 p1240 N91-16835
QUICKGUN: An algorithm for estimating the performance of two-stage light gas guns
[DE91-004973] 09 p1293 N91-17107
Report of the Study Group on Complete Spectroscopy
[DE90-011647] 09 p1306 N91-17167
Optical constants of solid methane
[NASA-CR-187969] 09 p1310 N91-17191
The hardness and elastic modulus of TiN films as determined by ultra-low load indentation
[DE91-006336] 09 p1315 N91-17219
The role of twinning in brittle fracture of Ti-aluminides
[DE91-005506] 09 p1316 N91-17221
Microstructure and mechanical properties of Ni3Al-based alloys reinforced with particulates
[DE91-005515] 09 p1316 N91-17222
First-principles investigation of mechanical behavior of B2 type aluminides: FeAl and NiAl
[DE91-006284] 09 p1316 N91-17224
Laser-induced fluorescence and nonlinear optical properties of ion-implanted fused silica
[DE91-004523] 09 p1317 N91-17232
The evaluation of environmental effects in toughened ceramics for advanced heat engines investigation of selected SiC and Si3N4 ceramics
[DE91-005638] 09 p1318 N91-17240
Grain structure and growth of dispersed phase BN-AlN coatings grown via chemical vapor deposition
[DE91-006283] 09 p1319 N91-17242
Ceramic technology for advanced heat engines project
[DE91-005644] 09 p1319 N91-17244
The response of MOV and SiC arresters to steep-front longer duration current pulses
[DE90-008572] 09 p1325 N91-17275
Performance of multiple tasks by an autonomous robot using visual and ultrasound sensing
[DE90-010719] 09 p1344 N91-17383
A fully omnidirectional wheeled assembly for robotic vehicles
[DE90-011640] 09 p1344 N91-17384
Computational modeling of GTA (Gas Tungsten Arc) welding with emphasis on surface tension effects
[DE91-004771] 09 p1348 N91-17405
Metallic phase-change materials for solar dynamic energy storage systems
[NASA-CR-187888] 09 p1355 N91-17445
Acid rain in Asia
[DE91-005352] 09 p1360 N91-17475
Human dimensions of global environmental change of the International Social Science Council
[DE91-005503] 09 p1360 N91-17476
Greenhouse gas emissions in Sub-Saharan Africa
[DE91-005629] 09 p1361 N91-17482
A user's guide to PICL: A portable instrumented communications library
[DE91-005648] 09 p1374 N91-17550
Early experience with the Intel iPSC/860 at Oak Ridge National Laboratory
[DE91-005602] 09 p1388 N91-17632
The use of parallel computers and multiple scattering Green function methods in condensed matter physics
[DE91-005351] 09 p1388 N91-17637
Numerical considerations in computing invariant subspaces
[DE91-004928] 09 p1393 N91-17667
Convoy electrons
[DE90-011381] 09 p1394 N91-17672
The insulation irradiation test program for the compact ignition tokamak
[DE90-011318] 09 p1400 N91-17706
ATF edge plasma turbulence studies using a fast reciprocating Langmuir probe
[DE90-011709] 09 p1400 N91-17707
Critical topics of plasma facing materials/plasma facing component data for the next step fusion devices
[DE91-005987] 09 p1406 N91-17740
In-situ laser ablation plasma diagnostics in the film growth regime: Effects of ambient background gases
[DE91-006332] 09 p1407 N91-17745
Resonant coherent excitation of Mg11(+): Electronic collisions of state specified short-lived excited states in a crystal channel
[DE91-006156] 09 p1415 N91-17791
Evaluation of thermographic phosphor technology for aerodynamic model testing
[DE91-005631] 10 p1461 N91-18060
Eddy-current inspection of shuttle heat exchanger tube welds 10 p1487 N91-18195
Effect of aluminum concentration and boron dopant on environmental embrittlement in FeAl aluminides
[DE91-005450] 10 p1498 N91-18246
Non-destructive on-line monitoring of MIC (microbially influenced corrosion)
[DE90-017770] 10 p1499 N91-18251
Microwave sintering of zirconia-toughened alumina composites
[DE91-007185] 10 p1501 N91-18262
Defect generation and motion in polyethylene-like crystals, analyzed by simulation with supercomputers
[DE91-004770] 10 p1502 N91-18265
Synthesis of high purity sinterable Si3N4 powders
[DE91-005637] 10 p1502 N91-18268
The Federal methanol fleet: Summary of technical data
[DE91-006608] 10 p1507 N91-18292
Simplified horn antenna parameter estimation using selective criteria
[DE91-007195] 10 p1515 N91-18344
Dynamic high-temperature-phosphor thermometry
[DE91-005632] 10 p1526 N91-18405
Control of a teleoperator system with redundancy based on passivity conditions
[DE91-007679] 10 p1532 N91-18442
Thermal energy storage technologies for heating and cooling applications
[DE91-005609] 10 p1539 N91-18472
Development of composite latent/sensible heat storage media
[DE91-005636] 10 p1541 N91-18482
The ocean's role in the global carbon cycle
[DE91-005985] 10 p1542 N91-18487
Information technology and global change science
[DE91-005020] 10 p1543 N91-18492
Limiting the greenhouse effect: Options for controlling atmospheric CO2 accumulation
[DE91-006805] 10 p1544 N91-18496
The potential role of nuclear power in controlling CO2 emissions
[DE91-006665] 10 p1545 N91-18502
Subpixel measurement of image features based on paraboloid surface fit
[DE91-004777] 10 p1575 N91-18667
Spin effects in two-photon pair production
[DE91-006271] 10 p1592 N91-18779
The role of the radial electric field in producing confinement enhancement in tokamaks
10 p1598 N91-18816
Numerical analysis of the relationship between local transport and global confinement in tokamaks
10 p1599 N91-18822
Feasibility studies for an ECR-generated plasma stripper: Preliminary
[DE91-006649] 10 p1602 N91-18835
In-situ observations of high temperature surface processes on alpha-alumina bulk crystals
[DE91-005509] 10 p1604 N91-18851
The stability of irradiation-induced defects in Ni3Al
[DE91-005514] 10 p1605 N91-18856
Neutron scattering studies of the high-temperature superconducting materials
[DE91-006016] 10 p1606 N91-18862
High-speed epitaxy using supersonic molecular jets
[DE91-006155] 10 p1606 N91-18863
Sputter deposition of lithium silicate-lithium phosphate amorphous electrolytes
[DE91-006603] 10 p1607 N91-18869
Establishing functional requirements for emergency management information systems
[DE91-006340] 10 p1614 N91-18905
Florida radioluminescent taxiway light development program
[DE91-005650] 11 p1652 N91-19104
Gelcast zirconia-alumina composites
[DE91-007835] 11 p1676 N91-19239
Thermal properties of polyisocyanurate foam board insulation blown with CFC-11 substitutes
[DE90-016047] 11 p1676 N91-19240
Theory of bulk and interface constant phase elements in electrode-electrolyte systems
[DE91-007181] 11 p1679 N91-19255
Screening volatile organics by direct sampling ion trap and glow discharge mass spectrometry
[DE91-007708] 11 p1680 N91-19258
Effects of irradiation on crack-arrest toughness of two high-copper welds
[DE91-007189] 11 p1682 N91-19270
Characterization of ion-implanted aluminum and iron by spectroscopic ellipsometry
[DE91-008371] 11 p1685 N91-19283
Ceramic Technology for Advanced Heat Engines project database
[DE91-007772] 11 p1688 N91-19300
Control of texture and defect structure for hot-filament-assisted CVD (Chemical Vapor Deposition) diamond Films
[DE91-008373] 11 p1689 N91-19310
A pocket-size broadband electric field detection and storage device
[DE91-007710] 11 p1708 N91-19406
A rigid body model and decoupled control architecture for two manipulators holding a complex object
[DE91-007827] 11 p1715 N91-19444
Design and control of a fully omnidirectional and holonomic wheeled platform for robotic vehicles
[DE90-017746] 11 p1716 N91-19445
A new wheel control system for the omnidirectional HERMIES-3 robot
[DE90-017764] 11 p1716 N91-19446
DEMO 89: The initial experiment with the HERMIES-3 robot
[DE90-017765] 11 p1716 N91-19447
Results from the third year of operation of the Federal methanol fleet at Argonne National Laboratory
[DE91-007822] 11 p1716 N91-19451
The challenge of standards for emerging NDT methods
[DE91-007834] 11 p1719 N91-19465
A summary of the status of biomass conversion technologies and opportunities for their use in developing countries
[DE91-006341] 11 p1726 N91-19506
The dilemma of fossil fuel use and global climate change
[DE91-007859] 11 p1733 N91-19533
Throughfall and foliar extraction
[DE91-007184] 11 p1734 N91-19535
Spatial and temporal variation in biomonitoring data
[DE91-007843] 11 p1734 N91-19539
Environmental surveillance data report for the first quarter of 1990
[DE91-008552] 11 p1736 N91-19544
A stochastic performance model for the neutron diffusion nodal method on a multiuser parallel supercomputer
[DE90-017015] 11 p1777 N91-19749
The PVM (Parallel Virtual Machine) system: Supercomputer level concurrent computation on a network of IBM RS/6000 power stations
[DE91-007844] 11 p1779 N91-19757
Navigation of a car-like mobile robot using a decomposition of the environment in convex cells
[DE91-000709] 11 p1781 N91-19769
Boundary integral equations and the Dirichlet problem
[DE91-004537] 11 p1783 N91-19779
The weighted-difference form of the nodal diffusion method in cylindrical geometry
[DE91-007849] 11 p1784 N91-19784
Bayesian approximation of solutions to linear ordinary differential equations
[DE91-007872] 11 p1784 N91-19785
SIGNIF and GENFMT, SAS macros for computing and reporting significant digits
[DE91-007702] 11 p1785 N91-19795
Review of recent stellarator results in the USA, the USSR, and Japan
[DE91-007798] 11 p1803 N91-19901
Particle-in-cell plasma simulation codes on the connection machine
[DE91-007845] 11 p1803 N91-19902
Thin film amorphous electrolytes: The Li2O-SiO2-P2O5 system
[DE91-007272] 11 p1807 N91-19925
In situ TEM studies of the growth of strained Si(1-x)Ge(x) by solid phase epitaxy
[DE91-007278] 11 p1807 N91-19926
X ray determination of site occupation parameters in ordered ternaries Cu(Au(x)M(1-x))M = Ni,Pd
[DE91-007861] 11 p1809 N91-19937
Loss analysis of the thermodynamic cycle of magnetic heat pumps
[DE91-007669] 11 p1812 N91-19950
Environmental Sciences Division computing and geographic information system facility user handbook
[DE91-007820] 11 p1814 N91-19961
Applications and current limitations of matrix-assisted laser desorption Fourier transform mass spectrometry for biomolecules
[DE91-008877] 13 p2047 N91-21265
Rapid determination of drugs and semivolatile organics by direct thermal desorption ion trap mass spectrometry
[DE91-008885] 13 p2050 N91-21278
Measurement of residual stresses by x ray diffraction near simulated heat affected zones in austenitic stainless steels
[DE91-008874] 13 p2052 N91-21289
The nucleation and growth of polycrystalline silicon carbide
[DE91-008887] 13 p2054 N91-21304
High-temperature metal purification using a compact, portable rf heating and levitation system on the wake shield 13 p2064 N91-21363

Compact rf heating and levitation systems for the NASA modular electromagnetic levitator
13 p2064 N91-21364
High temperature metal purification using a compact portable rf heating and levitation system on the wake shield
13 p2064 N91-21365
Improving risk communication through interactive training in communication skills
[DE91-008366] 13 p2070 N91-21402
Seminar on anthropogenic emissions of greenhouse gases
[DE91-009110] 13 p2113 N91-21634
Using climate model output to assess the impacts of climate change on water resources
[DE91-004542] 13 p2114 N91-21637
GRESS: A preprocessor for sensitivity studies on FORTRAN programs
[DE91-009561] 13 p2134 N91-21751
Hypercube clock synchronization
[DE91-009222] 13 p2139 N91-21774
The IBM RISC System/6000 and linear algebra operations
[DE91-009221] 13 p2144 N91-21805
Effect of post-sintering microwave treatments upon the mechanical performance of silicon nitride
[DE91-009122] 14 p2251 N91-22456
Gelcast reaction-bonded silicon nitride composites
[DE91-009134] 14 p2251 N91-22457
Parameter correlation of impulse shapes using two-port synthesis
[DE91-009121] 14 p2260 N91-22505
Electron correlation explored through electron spectrometry using synchrotron radiation
[DE91-009917] 14 p2326 N91-22850
Order and disorder in metallic alloys
[DE91-009120] 15 p2400 N91-23292
Evaluation of filler metals for high-strength stainless steels
[DE91-009931] 15 p2401 N91-23295
Creep and creep-rupture behavior of Alloy 718
[DE91-007706] 15 p2401 N91-23298
NDE (Nondestructive Examination) development for ceramics for advanced heat engines
[DE91-005516] 15 p2405 N91-23316
Low heat rejection diesel ceramic coupon tests
[DE91-006274] 15 p2405 N91-23318
The effect of realistic antenna geometries on plasma loading predictions
[DE91-010782] 15 p2411 N91-23353
Radioluminescent (RL) lighting system development program
[DE91-009743] 15 p2416 N91-23381
Robot self-location in unknown environments
[DE91-010450] 15 p2438 N91-23505
On the control of two manipulators holding a rigid object in the presence of uncertainty
[DE90-017742] 15 p2438 N91-23508
Potential impact of enhanced fracture-toughness data on fracture mechanics assessment of PWR vessel integrity for pressurized thermal shock
[DE91-009554] 15 p2438 N91-23509
Performance of visual and ultrasound sensing by an autonomous robot
[DE91-010452] 15 p2439 N91-23511
Interlaminar strains at the free-edge of a hole for thick composites in compression
[DE91-008883] 15 p2444 N91-23535
Reduction factors for creep strength and fatigue life of modified 9 Cr-1 Mo steel weldments
[DE91-009919] 15 p2445 N91-23544
Experience with conventional inelastic analysis procedures in very high temperature applications
[DE91-009937] 15 p2445 N91-23545
Modeling speedup in parallel sparse matrix factorization
[DE91-010215] 15 p2482 N91-23735
Analysis of neutron noise spectra using neural networks
[DE91-007676] 15 p2489 N91-23785
Parallelizing the spectral transform method, part 1
[DE91-010453] 15 p2493 N91-23805
Few-body problems, electron-correlation effects, and beyond
[DE91-010030] 15 p2502 N91-23857
Monte Carlo simulation of supercritical solutions in the grand canonical ensemble
[DE91-009152] 15 p2502 N91-23859
Computed secondary-particle energy spectra following nonelastic neutron interactions with C-12 for E(n) between 15 and 60 MeV: Comparisons of results from two calculational methods
[DE91-010454] 15 p2503 N91-23864
Low-energy collisions of multiply charged ions with electrons, atoms and surfaces
[DE91-010779] 15 p2504 N91-23873
Pressure dynamics modeling for the design of the advanced neutron source reactor
[DE91-007860] 15 p2506 N91-23883
Two-channel spectroscopic polarization modulation ellipsometry
[DE91-010131] 15 p2507 N91-23893
ICRF heating on the Burning Plasma Experiment (BPX)
[DE91-010390] 15 p2511 N91-23913
Transport analysis of stellarator reactors
[DE91-010489] 15 p2511 N91-23914
Inversion of chordal data from the ATF torsatron
[DE91-010490] 15 p2511 N91-23915
Ion confinement and radiation losses in the advanced toroidal facility
[DE91-010382] 15 p2511 N91-23916
Heavy ion beam probe measurements of ECH method plasma in the advanced toroidal facility
[DE91-010391] 15 p2512 N91-23917
Geomagnetic storms: Potential economic impacts on electric utilities
[DE91-009523] 15 p2534 N91-24036
Environmental embrittlement of iron aluminides in moisture-containing atmospheres
[DE91-010149] 16 p2601 N91-24416
High-temperature ordered intermetallic alloys
[DE91-010927] 16 p2602 N91-24420
The Federal Methanol Fleet: A demonstration of methanol vehicle technology
[DE91-010395] 16 p2611 N91-24459
Design and performance of an axial air-gap solution pump motor
[DE91-009988] 16 p2621 N91-24516
Development of a high-efficiency, gas-fired, absorption heat pump for residential and small-commercial applications
[DE91-010442] 16 p2626 N91-24539
Controller design for a force-reflecting teleoperator system with kinematically dissimilar master and slave
[DE91-010187] 16 p2636 N91-24591
Use of force-measuring transducers in manipulator control
[DE91-010809] 16 p2636 N91-24592
Transportation energy data book
[DE91-010433] 16 p2653 N91-24681
Environmental monitoring and assessment program: Ecological indicators
[PB91-141796] 16 p2654 N91-24683
Multiple-Aircraft Instantaneous Line Source (MAILS) dispersion model user's guide
[DE91-010448] 16 p2655 N91-24693
The development of new radionuclide generator systems for nuclear medicine applications
[DE91-010381] 16 p2687 N91-24876
JANE: A new information retrieval system for the Radiation Shielding Information Center
[DE91-010785] 16 p2699 N91-24950
Fiber-sensor design for turbine engines
[DE91-010787] 17 p2736 N91-25150
Temperature dependence of the thermal conductivity of carbon-carbon composites
[DE91-010133] 17 p2747 N91-25197
Processing and mechanical properties of Ni3Al-based intermetallic composites
[DE91-009932] 17 p2758 N91-25270
Effects of elastic anisotropy on mechanical behavior of intermetallic compounds
[DE91-010392] 17 p2759 N91-25274
Synthesis of atomistic and continuum modelling of intermetallic alloys
[DE91-011089] 17 p2760 N91-25279
Determination of high temperature creep parameters in structural ceramics from constant-displacement, load-relaxation tests
[DE91-010130] 17 p2762 N91-25289
Heat transfer to turbulent and laminar falling liquid films
[DE91-011342] 17 p2777 N91-25370
Variable volume calibration apparatus
[DE91-011554] 17 p2780 N91-25386
A new wheel control system for the omnidirectional HERMIES-3 robot
[DE91-011517] 17 p2784 N91-25406
Use of force-measuring transducers in manipulator control. Part 2: Implementation
[DE91-010773] 17 p2784 N91-25407
Thermal energy storage
[DE91-010455] 17 p2805 N91-25504
Mexican-US cooperation on renewable energy programs
[DE91-011083] 17 p2805 N91-25505
Non-destructive monitoring of microbial biofilms at solid-liquid interfaces using on-line devices
[DE91-010777] 17 p2817 N91-25567
Radiation shielding requirements for manned deep space missions
[DE91-010723] 17 p2822 N91-25593
Radio frequency biological hazards and measurement techniques
[DE91-010776] 17 p2822 N91-25594
A supernodal Cholesky factorization algorithm for shared-memory multiprocessors
[DE91-011255] 17 p2836 N91-25677
Toward a unified dynamic model for heavy ion reactions: Exclusive measurements of Br + Al and Ni + Mg at incident energies near 10 MeV/amu
[DE91-011374] 17 p2862 N91-25828
Coupling to large-core fibers
[DE91-010811] 17 p2864 N91-25838
Configuration control, fluctuations, and transport in low-collisionality plasmas in the ATF Torsatron
[DE91-010807] 17 p2866 N91-25856
Effect of the aspect ratio on the stability limits of TJ-II-like stellarators
[DE91-011364] 17 p2868 N91-25867
Casting of HgCdTe
[DE91-010683] 17 p2871 N91-25880
Casting of HgCdTe
[DE91-010724] 17 p2871 N91-25881
Surface structures and the orthorhombic transformation of thin film BaSi2 on silicon
[DE91-011372] 17 p2871 N91-25883
Microscopy of semiconducting materials
[DE91-011197] 17 p2873 N91-25892
Investigation into the effect of heat treatment on the thermal conductivity of 3-D carbon/carbon fiber composites
[DE91-010388] 18 p2944 N91-26240
Microstructure development during microwave annealing of dense silicon nitride
[DE91-012069] 18 p2944 N91-26242
Measurement of the nitrogen total cross section from 0.5 eV to 50 MeV and analysis of the 433-keV resonance
[DE91-012222] 18 p2953 N91-26293
Effect of bacterial biofilms on carbon steel pit propagation in phosphate containing medium
[DE91-010806] 18 p2956 N91-26316
Performance of a 22Cr-20Ni-18Co-Fe alloy for service to 870 C
[DE91-011366] 18 p2957 N91-26317
Environmental embrittlement of ordered intermetallic alloys at room temperature in moist atmospheres
[DE91-012051] 18 p2957 N91-26321
TEM in-situ straining of B2 compounds
[DE91-012062] 18 p2958 N91-26322
Microstructure and hardness of NiAl/Ni2AlX two-phase ordered intermetallic alloys
[DE91-012068] 18 p2958 N91-26323
The role of electronic structure in the mechanical behavior of aluminides
[DE91-012508] 18 p2958 N91-26325
Strength of SiC- and Si-N-C-ceramic fibers exposed to high-temperature gaseous environments
[DE91-011099] 18 p2967 N91-26380
Sliding wear-testing and data analysis strategies for advanced engineering ceramics
[DE91-009524] 18 p2967 N91-26383
Ceramic technology for advanced heat engines project
[DE91-010451] 18 p2968 N91-26384
In-situ monitoring of laser ablation of superconductors
[DE91-012057] 18 p2992 N91-26524
Preliminary test results from the HSST shallow-crack fracture toughness program
[DE91-010147] 18 p3001 N91-26572
Characterization of vertical electric fields and associated voltages induced on an overhead power line from close artificially initiated lightning
[DE91-010781] 18 p3016 N91-26656
Introduction to Session 2: Applied biological research
[DE91-012067] 18 p3021 N91-26680
A divide and conquer approach to the nonsymmetric eigenvalue problem
[DE91-011085] 18 p3052 N91-26854
Correlation in photodetachment
[DE91-011369] 18 p3061 N91-26908
Negative ion formation by Rydberg electron transfer: Isotope-dependent rate constants
[DE91-012058] 18 p3061 N91-26909
Electron-excited molecule interactions
[DE91-012227] 18 p3061 N91-26911
Effect of boron addition on recrystallization and grain growth in Ni3Al polycrystals
[DE91-011966] 18 p3073 N91-26983
Catalog of data bases and reports
[DE91-011516] 18 p3082 N91-27043
The effects of neutron irradiation on the structure of carbon-carbon composites
[DE91-010135] 19 p3117 N91-27222

The structure and chemistry of grain boundaries in ceramic superconductors
[DE91-010138] 19 p3136 N91-27325
Perturbed environment assessments for space vehicles
[DE91-012630] 20 p3290 N91-28188
Technologies available from Martin Marietta Energy Systems, Inc.
[DE91-013027] 20 p3303 N91-28283
Chemical characterization of microparticles by laser ablation in an ion trap mass spectrometer
[DE91-012513] 20 p3308 N91-28309
Analysis of metals in solution using electrospray ionization mass spectrometry
[DE91-012522] 20 p3308 N91-28310
Experimental studies of the volatility of ammonium chloride
[DE91-012526] 20 p3308 N91-28311
Application of electron energy loss spectroscopy to microanalysis of irradiated stainless steels
[DE91-009913] 20 p3314 N91-28344
Irradiation creep by climb-enabled glide driven by transient point defect processes
[DE91-012950] 20 p3315 N91-28348
Comparisons of irradiation-induced shifts in fracture toughness, crack arrest toughness, and Charpy impact energy in high-copper welds
[DE91-008881] 20 p3315 N91-28349
The rate (time)-dependence mechanical behavior of modified 9Cr-1Mo. Part 2: Isothermal modeling at 538 C
[DE91-011100] 20 p3315 N91-28350
High-temperature solution annealing as an IASCC mitigation technique
[DE91-012220] 20 p3315 N91-28352
Aqueous corrosion characteristics and corrosion-related cracking susceptibilities of Fe3Al-type iron aluminides
[DE91-013028] 20 p3316 N91-28358
Properties of large heats of Fe3Al-based alloys
[DE91-013268] 20 p3317 N91-28359
Erosion studies on a Fe3Al-based iron aluminide and 1100 Al
[DE91-012529] 20 p3317 N91-28360
Weldability of iron aluminides
[DE91-013730] 20 p3318 N91-28367
APFIM characterization of the spinodal decomposition in duplex stainless steels
[DE91-014256] 20 p3319 N91-28371
Corrosion of refractory metals in liquid metal and gaseous environments
[DE91-009555] 20 p3320 N91-28378
Alloy development of Fe3Al for improved creep rupture properties
[DE91-014541] 20 p3320 N91-28381
Processing and fabrication of Fe3Al-based alloys
[DE91-014546] 20 p3321 N91-28382
Nitrogen and boron-containing polymers as precursors of ceramic materials
[DE91-008890] 20 p3322 N91-28390
Characterization of silicon nitride synthesized by microwave heating
[DE91-012219] 20 p3323 N91-28397
In-situ REM imaging of surface processes on ceramic bulk crystals from 300 to 1670 K in a conventional TEM
[DE91-009923] 20 p3324 N91-28405
Drying of gelcast ceramics
[DE91-012955] 20 p3325 N91-28413
Cocrystallization in blends of poly(butylene terephthalate) and poly(ester-ether) segmented block copolymers
[DE91-012224] 20 p3329 N91-28438
An assessment of the lifetime of Faraday shield elements
[DE91-012228] 20 p3334 N91-28463
Automated verification of system configuration
[DE91-012520] 20 p3337 N91-28481
Monolithic front end electronics for silicon calorimeters
[DE91-012063] 20 p3338 N91-28484
Desorption of Al, Au, Ag using surface plasmon excitation
[DE91-013726] 20 p3339 N91-28493
Models for heat transport through assemblies of uniform-diameter hollow spheres
[DE91-012998] 20 p3343 N91-28512
Thin film hydrogen sensor
[DE91-014197] 20 p3349 N91-28550
Laser ejection of Ag(sup +) ions from a roughened silver surface: Role of the surface plasmon
[DE91-012945] 20 p3350 N91-28554
Evaporation as a diagnostic test for hydrodynamic cooling of laser-ablated clusters
[DE91-013416] 20 p3350 N91-28555
Laser range camera calibration
[DE91-014939] 20 p3353 N91-28570
Dynamic coupling effects in modeling and control of hard contact motion of a manipulator
[DE91-010393] 20 p3353 N91-28574
Welding of ductile intermetallic alloys
[DE91-009553] 20 p3357 N91-28594
X ray microimaging of elemental composition and microstructure for materials science
[DE91-012052] 20 p3358 N91-28601
Applications of a 2-D moving finite element formulation to elastic/viscoplastic dynamic fracture analysis
[DE91-009930] 20 p3359 N91-28607
Influence of crack depth on the fracture toughness of reactor pressure vessel steel
[DE91-012537] 20 p3360 N91-28611
Assessment of ductile fracture methodology based on applications to large-scale experiments
[DE91-009920] 20 p3360 N91-28614
The rate (time)-dependent mechanical behavior of modified 9Cr-1Mo steel. Part 1: Experiments at 538 C
[DE91-011097] 20 p3360 N91-28615
Near crack tip transverse strain effects estimated with a large strain hollow cylinder analogy
[DE91-012072] 20 p3361 N91-28619
Crack initiation under generalized plane strain conditions
[DE91-013410] 20 p3362 N91-28623
Making energy efficiency happen
[DE91-013057] 20 p3368 N91-28655
Analysis of southeastern Canada lake-water chemistry data in relation to acidic deposition
[DE91-014957] 20 p3371 N91-28674
Photobiotechnology: Algal hydrogen production and photoconductivity of metalized chloroplasts
[DE91-013232] 20 p3379 N91-28718
Biomarker-based biomonitoring for evaluating health and ecological effects on environmental contamination
[DE91-013729] 20 p3379 N91-28719
Performance of the Intel iPSC/860 and Ncube 6400 hypercubes
[DE91-012370] 20 p3382 N91-28738
The apGA: An Adaptive Parallel Genetic Algorithm
[DE91-009559] 20 p3383 N91-28741
Bayesian design and analysis of computer experiments: Use of derivatives in surface prediction
[DE91-013147] 20 p3385 N91-28751
Searching for consensus patterns on a hypercube
[DE91-013233] 20 p3385 N91-28753
Solving computational grand challenges using a network of heterogeneous supercomputers
[DE91-013725] 20 p3385 N91-28755
Scientific data visualization
[DE91-014216] 20 p3387 N91-28766
Network based concurrent computing on the PVM system
[DE91-014961] 20 p3389 N91-28780
Control of autonomous mobile robots using custom-designed qualitative reasoning VLSI chips and boards
[DE91-012527] 20 p3390 N91-28783
Proposal for continued basic research in intelligent machines at the Center for Engineering Systems Advanced Research: Fiscal years 1992-1996
[DE91-012997] 20 p3390 N91-28784
Parallelizing across time when solving time-dependent partial differential equations
[DE91-012948] 20 p3392 N91-28797
Light weight, high field, stable, superconducting magnets for advanced transportation systems
[DE91-013667] 20 p3394 N91-28814
Multilevel resonance analysis of Co-59 neutron transmission measurements
[DE91-012135] 20 p3397 N91-28829
X ray microimaging of elemental composition and microstructure for materials science
[DE91-012221] 20 p3398 N91-28832
Fixed-wavelength R2PI/tandem mass spectrometry for mixture analysis in the quadrupole ion trap
[DE91-012506] 20 p3398 N91-28835
Spontaneous cluster decomposition in a quadrupole ion trap
[DE91-012519] 20 p3399 N91-28836
Scintillation detector efficiencies for neutrons in the energy region above 20 MeV
[DE91-012544] 20 p3399 N91-28837
Correcting channeling and diffraction effects in quantitative REELS surface microanalysis
[DE91-009924] 20 p3399 N91-28840
Development of nanovolt-resolution x ray diffraction using resonant nuclear scattering
[DE91-012217] 20 p3400 N91-28847
Kinetic energy distributions of ions after surface collisions
[DE91-013412] 20 p3401 N91-28850
Reflection-asymmetric shapes in atomic nuclei
[DE91-013414] 20 p3401 N91-28851
Desorption of large organic molecules by laser-induced plasmon excitation
[DE91-013415] 20 p3401 N91-28852
Shell model calculations at superdeformed shapes
[DE91-012954] 20 p3401 N91-28853
Confinement projections for the Burning Plasma Experiment (BPX)
[DE91-012516] 20 p3417 N91-28946
Characteristics of edge plasma turbulence on the ATF torsatron
[DE91-012981] 20 p3417 N91-28947
Spectroscopic and ion probe characterization of laser produced plasmas used for thin film growth
[DE91-013425] 20 p3419 N91-28959
Plasma turbulence calculations on supercomputers
[DE91-014210] 20 p3421 N91-28969
Thermodynamic and transport properties of superconductors in very high magnetic fields
[DE91-012530] 20 p3426 N91-29000
Interlayer pairing and c-axis versus ab-plane gap anisotropy in high Tc superconductor
[DE91-012218] 20 p3426 N91-29005
Kosterlitz-Thouless-like behavior over extended ranges of temperature and layer thickness in crystalline YBa2Cu3O(7-x) / PrBa2Cu3O(7-x) superlattices
[DE91-013237] 20 p3428 N91-29014
Excess heat production in composite superconductors during current redistribution
[DE91-013547] 20 p3428 N91-29016
Direct imaging of ordering in Si-Ge alloys, ultrathin superlattices, and buried Ge layers
[DE91-014580] 20 p3433 N91-29044
A brief overview of the activities and accomplishments of the Metals and Ceramics Division
[DE91-014955] 21 p3479 N91-29296
Analysis of weld metal solidification and microstructures
[DE91-014574] 21 p3480 N91-29301
Deformation and thermal fatigue in high temperature austenitic alloys
[DE91-014981] 21 p3480 N91-29305
X ray reflectivity studies of Au surfaces
[DE91-015308] 21 p3481 N91-29307
Requirements for the observation of Fermi surfaces in disordered alloys
[DE91-014578] 21 p3483 N91-29321
Mechanical properties of Fe3Al-based alloys
[DE91-015322] 21 p3483 N91-29324
Development of nickel and iron aluminides and their applications
[DE91-015323] 21 p3483 N91-29325
Annealing effects on the microstructure of titanium electrical contacts on diamond films
[DE91-010150] 21 p3484 N91-29327
Corrosion behavior of continuous-filament-wound ceramic composite tubes
[DE91-014959] 21 p3491 N91-29370
Fabrication of silicon nitride ceramics by microwave heating
[DE91-015312] 21 p3491 N91-29373
Fundamental studies of chemical vapor deposition diamond growth processes
[DE91-015324] 21 p3491 N91-29374
Hydrogen productivity by photosynthetic water splitting
[DE90-012211] 21 p3492 N91-29380
Impacts of a nominal nuclear electromagnetic pulse on electric power systems
[DE91-012991] 21 p3497 N91-29401
Superconductivity induced by very high magnetic fields: Thermodynamic and transport properties
[DE91-015327] 21 p3509 N91-29481
Materials science applications of a 120 kV FEG TEM/STEM: Triskaidekaphilia
[DE91-010136] 21 p3518 N91-29536
Force-reflecting control of a teleoperated system coupling a nonredundant master with a redundant slave
[DE90-012137] 21 p3526 N91-29585
Direct-sampling MS measurement of volatiles in environmental samples
[DE91-013417] 21 p3537 N91-29653
Atmospheric methane concentrations: The NOAA/CMDL global cooperative flask sampling network, 1983 - 1988
[DE91-014942] 21 p3539 N91-29664
A global geographic information system data base of storm occurrences and other climatic phenomena affecting coastal zones
[DE91-014949] 21 p3542 N91-29682
Visualizing performance of parallel programs
[DE91-014966] 21 p3561 N91-29793
Supernodal symbolic Cholesky factorization on a l ocal-memory multiprocessor
[DE91-014967] 21 p3562 N91-29796
Research and development at ORNL/CESAR towards cooperating robotic systems for hazardous environments
[DE91-015638] 21 p3564 N91-29810
Parallelizing the spectral transform method
[DE91-013969] 21 p3565 N91-29815

Design aspects for a pulsed-mode, high-intensity, heavy negative ion source
[DE91-011094] 21 p3573 N91-29864
Negative ion formation with electron impact to simulants
[AD-A237478] 21 p3575 N91-29881
Electron capture in very low energy collisions of multicharged ions with H and D in merged beams
[DE91-015617] 21 p3579 N91-29909
Fusion reactor materials
[DE91-012984] 21 p3585 N91-29942
Thick-section weldments in 21-6-9 and 316LN stainless steel for fusion energy applications
[DE91-015307] 21 p3589 N91-29963
Properties of materials with a fine length scale: Mechanically alloyed metals and the high temperature superconductor Y1Ba2Cu3O7
[DE91-012538] 21 p3591 N91-29975
Ac susceptibility of superconductive thin films
[DE91-015273] 21 p3594 N91-29993
High-resolution Z-contrast imaging of superlattices and heterostructures
[DE91-015329] 21 p3594 N91-29994
Formation of CoSi2 in SIMOX wafers by high dose Co implantation
[DE91-015639] 21 p3601 N91-30036
Development of high-density fiber-reinforced silicon carbide FCVI composites
[DE91-012531] 22 p3643 N91-30272
Material behavior during solid particle erosion of annealed 1100 aluminum
[DE90-012593] 22 p3649 N91-30310
The P/M processing and applications of Fe3Al-based intermetallics
[DE91-015309] 22 p3651 N91-30317
Tensile creep behavior and cyclic fatigue/creep interaction of hot-isostatically pressed Si3N4
[DE91-007182] 22 p3654 N91-30340
Integral methods for solving Fokker-Planck-type equations
[DE90-012171] 22 p3743 N91-30854
Design aspects for a pulsed-mode, high intensity, heavy negative ion source
[DE90-012205] 22 p3753 N91-30920
A multifunction ion-irradiation/surface modification ultrahigh vacuum chamber system
[DE91-016819] 23 p3799 N91-31190
Interlaminar deformations on the cylindrical surface of a hole in laminated composites by moire interferometry
[DE91-015922] 23 p3807 N91-31238
Effects of oxidation and combustion environments on the properties of Nicalon/SiC composites
[DE91-016778] 23 p3808 N91-31240
Non-equilibrium solidification in austenitic stainless steel welds
[DE91-014279] 23 p3814 N91-31277
Weldability and hot ductility of iron aluminides
[DE91-016343] 23 p3815 N91-31280
Dual ion implantation effects on fatigue properties of Fe-13Cr-15Ni alloys
[DE91-015930] 23 p3816 N91-31286
Initial determination of the micromechanical properties of oxide scales
[DE90-012164] 23 p3817 N91-31291
Development of toughened ceramics for elevated temperatures
[DE91-015923] 23 p3819 N91-31301
Ion beam enhanced adhesion of iron films to sapphire substrates
[DE91-015931] 23 p3820 N91-31308
Effective ionization coefficients, electron drift velocities, and limiting breakdown fields for gas mixtures of possible interest to particle detectors
[DE91-015921] 23 p3862 N91-31532
Effect of convection on weld pool development
[DE91-014213] 23 p3880 N91-31649
Weld pool solidification and microstructures
[DE91-014263] 23 p3880 N91-31650
BES welding science
[DE91-015625] 23 p3880 N91-31651
A users' guide to PVM (parallel virtual machine)
[DE91-016934] 23 p3914 N91-31855
The PVM system: Supercomputer level concurrent computation on a heterogeneous network of workstations
[DE91-016276] 23 p3916 N91-31870
Particle production through two-photon processes in relativistic heavy-ion colliders
[DE91-016221] 23 p3925 N91-31931
Properties of low temperature, low oxygen pressure post-annealed YBa2Cu3O(sub 7-x) thin films
[DE91-015632] 23 p3931 N91-31969
Studies of non-ideal superconductors using DC magnetic methods
[DE91-015642] 23 p3931 N91-31970
Tensile and cyclic fatigue properties of SiC whisker-reinforced Al2O3
[DE91-015916] 24 p3970 N91-32179
Fundamental metallurgical considerations in brazing and soldering
[DE91-016224] 24 p3976 N91-32209
Electron energies in metals
[DE91-016759] 24 p3976 N91-32214
Development of a spray-forming process for steel
[DE91-015812] 24 p3977 N91-32218
Ordering energy of B2 alloys calculated in the frozen potential and Harris approximations
[DE91-017228] 24 p3978 N91-32220
Heat transfer effectiveness of a thermal barrier coating with different fuel compositions
[DE91-015602] 24 p3978 N91-32222
Advances in the design of toughened ceramics
[DE91-016767] 24 p3979 N91-32228
Braun heat pump engine/compressor and its hermetic rod seal
[DE91-017151] 24 p3981 N91-32239
Evidence for SF4 and SF2 formation in SF6 corona discharges
[DE91-015927] 24 p3989 N91-32285
Neutron diffraction by the flux lattice in high-Tc superconductors
[DE91-017866] 24 p4009 N91-32418
Neutron scattering from the flux lattice in high temperature superconductors
[DE91-017947] 24 p4009 N91-32419
Parallelizing the spectral transform method, part 2
[DE91-017131] 24 p4016 N91-32456
Historical sunshine and cloud data in the United States
[DE91-016825] 24 p4070 N91-32741
Models of human operators: Their need and usefulness for improvement of advanced control systems and control rooms
[DE91-017245] 24 p4077 N91-32774
Parallel implementation of a nonsymmetric tridiagonal eigensolver
[DE91-016773] 24 p4087 N91-32834
GOOSE: A Generalized Object-Oriented Simulation Environment
[DE91-016771] 24 p4088 N91-32842
Automatic blocking of nested loops
[NASA-CR-188874] 24 p4089 N91-32844
Spline methods for conservation equations
[DE91-017152] 24 p4093 N91-32867
Gaussian elimination methods for calculating classical periodic trajectories in two dimensions
[DE91-017600] 24 p4093 N91-32869
The case for lower probabilities as measures of uncertainty
[DE91-017870] 24 p4093 N91-32870
A dynamical picture of hadron-hadron collisions with the string-parton model
[DE91-016278] 24 p4095 N91-32881
Ultrarelativistic atomic collisions
[DE91-016768] 24 p4096 N91-32884
International workshop on cold neutron sources
[DE91-017559] 24 p4097 N91-32891
The extension of the HHIRF accelerators to produce radioactive ion beams
[DE91-017687] 24 p4098 N91-32899
High energy spin waves in iron measured by neutron scattering
[DE91-017868] 24 p4099 N91-32902
Computer simulation studies of high energy collision cascades
[DE91-016225] 24 p4099 N91-32903
Tuning and matching of the BPX ICH system
[DE91-017872] 24 p4107 N91-32950
Formation and annealing behavior of an amorphous layer induced by tin implantation into sapphire
[DE91-015929] 24 p4108 N91-32960
Evidence for cation disorder in in-situ grown YBaCuO superconducting films
[DE91-016760] 24 p4110 N91-32971
Advantages of enthalpy-temperature diagrams for nonazeotropic refrigerant mixtures
[DE91-016774] 24 p4113 N91-32991

OAK RIDGE Y-12 PLANT, TN.
Analysis of aluminum oxide ceramic
[DE90-016517] 01 p0029 N91-10175
Evaluation of nondestructive evaluation techniques for determination of flawed conditions and the effects of flaws on the burst pressure in Kevlar-epoxy filament-wound spherical test specimens
[DE90-014839] 01 p0056 N91-10330
An automated linearity test for direct voltage calibrators
[DE90-016927] 02 p0216 N91-11204
The effect of slightly faster strain rates and internal hydrogen on uranium-0.8 weight percent titanium alloy mechanical properties
[DE91-004376] 07 p0982 N91-15392
Precision pulse-timing instrumentation for ultrasonic nondestructive testing
[DE91-000067] 07 p1013 N91-15562
Glow discharge cleaning and vacuum deposition of copper on 6061-T6 aluminum
[DE91-009510] 16 p2601 N91-24415
Fast, high-resolution x ray microfluorescence imaging
[DE91-010658] 17 p2757 N91-25261
Gas tungsten arc adaptive welding
[DE91-017848] 24 p4029 N91-32513

OAKLAND UNIV., ROCHESTER, MI.
A proposal to extend our understanding of the global economy 07 p1025 N91-15627

OAKWOOD COLL., HUNTSVILLE, AL.
Visualization of yeast chromosomal DNA 10 p1631 N91-18993

OBSERVATOIRE CANTONAL, NEUCHATEL (SWITZERLAND).
The classical microwave frequency standards 17 p2850 N91-25757
On the length of the drift region in the Ramsey cavity 17 p2855 N91-25783
On the line Q degradation in hydrogen masers 17 p2859 N91-25806

OBSERVATOIRE DE LA COTE D'AZUR, NICE (FRANCE).
LASSO, two-way, and GPS time comparisons: A (very) preliminary status report 17 p2858 N91-25804

OBSERVATOIRE DE MARSEILLE (FRANCE).
Reddening and extinction towards H II regions 06 p0886 N91-14898
Dynamical interactions of galaxy pairs 08 p1258 N91-16930

OBSERVATOIRE DE MIDI-PYRESNEES, TOULOUSE (FRANCE).
Comparative study of cometology from IUE observations 09 p1428 N91-17862

OBSERVATOIRE DE PARIS-MEUDON (FRANCE).
Near-infrared mapping of spiral barred galaxies 05 p0758 N91-14217
Angular motion of a PAH molecule in interstellar environment 06 p0894 N91-14938
Grains charges in interstellar clouds 06 p0899 N91-14967
Dynamical theory of dense groups of galaxies 08 p1260 N91-16943
Explaining compact groups as change alignments 08 p1261 N91-16944
Pre-main sequence stars 09 p1429 N91-17863
Experience with an heroic proposal: The NGC 5548 international watch with IUE 09 p1431 N91-17879
Atlas of far UV and optical spectra of Be stars 09 p1434 N91-17897
Rotational and rapid flux variations of 21Com in the ultraviolet 09 p1434 N91-17900
Is the magnetic Ap star 21 Per an eclipsing binary 09 p1434 N91-17902
Implications on stellar structure/evolution of the observed association between energy/mass fluxes and multi-regional atmospheric structure 09 p1436 N91-17909
Cataclysmic variables with anomalous UV emission line spectrum 09 p1440 N91-17939
New efforts in the search for extrasolar planets 10 p1620 N91-18932
Early conditions and processes in the outer solar system 10 p1621 N91-18942
Observations of parent molecules in comets P/Brorsen-Metcalf (1989o), Austin (1989c1) and Levy (1990c) at millimetre wavelengths: HCN, H2S, H2CO and CH3OH 10 p1621 N91-18944
OH radio observations of comets P/Brorsen-Metcalf (1989o), Okazaki-Levy-Rudenko (1989r), Aarseth-Brewington (1989a1), and Austin (1989c1) at the Nancay radio telescope 12 p2004 N91-21028
PRONAOS 13 p2177 N91-22020
Submillimetre observations of solar-system objects 13 p2179 N91-22037

OBSERVATOIRE DE STRASBOURG (FRANCE).
Classification of IUE low-dispersion stellar spectra 09 p1447 N91-17980
Homogenizing the object nomenclature in the IUE log of observations 09 p1447 N91-17981

OBSERVATORIO DEL EBRO, ROQUETAS (SPAIN).
Ionosphere 1984, volume 72
[ISSN-0211-5166] 15 p2463 N91-23649
Ionosphere 1985, volume 73
[ISSN-0211-5166] 15 p2463 N91-23650

OCEAN SYSTEMS ENGINEERING, INC., FALLS CHURCH, VA.
Considerations for human-machine interfaces in tele-operations 12 p1948 N91-20715

ODESSEY RESEARCH ASSOCIATES, ITHACA, NY.
Romulus: A computer security properties modeling environment overview, volume 1
[AD-A236128] 22 p3723 N91-30717
Romulus: A computer security properties modeling environment. Volume 2A: The theory of security
[AD-A236129] 22 p3723 N91-30718
Romulus: A computer security properties modeling environment. Volume 2B: MATHESIS
[AD-A236130] 22 p3723 N91-30719
ODYSSEY RESEARCH ASSOCIATES, INC., ITHACA, NY.
Verifying an interactive consistency circuit: A case study in the reuse of a verification technology
09 p1377 N91-17570
Formally specifying the logic of an automatic guidance controller 09 p1378 N91-17576
Verification of floating-point software
09 p1378 N91-17577
C formal verification with unix communication and concurrency 09 p1379 N91-17578
OESTERREICHISCHES FORSCHUNGSZENTRUM SEIBERSDORF G.M.B.H., VIENNA.
Noise field strength measures in absorber lined chambers
[OEFZS-4542] 07 p1063 N91-15847
Examination of debris from satellites with nuclear reactors: A comparison of different methods
[OEFZS-4541] 09 p1297 N91-17122
Cs-137 soil to plant transfer studies and their implications on parameters used in the Austrian version of ECOSYS
[OEFZS-4563] 17 p2816 N91-25566
Calculation of the source term for a S1B-sequence at a VVER-1000 type reactor, part 1
[OEFZS-4555-PT-1] 17 p2862 N91-25826
Calculation of the source term for a S1B-sequence at a VVER-1000 type reactor. Part 2: Appendix
[OEFZS-4556-PT-2] 17 p2862 N91-25827
A test of the IAEA code of practice for absorbed dose determination in photon and electron beams
[OEFZS-4565] 18 p3062 N91-26913
Research and development trends of environmental control techniques
[OEFZS-4569] 22 p3704 N91-30614
The industrial application of radiation sources
[OEFZS-4566] 22 p3753 N91-30921
Examinations of thermal conductivity in dense plasma
[OEFZS-4564] 22 p3756 N91-30940
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, MODANE (FRANCE).
A study of supersonic and hypersonic ramjet engines in France from 1950 to 1974 (application on combined cycle aircraft engines) 15 p2376 N91-23149
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, PARIS (FRANCE).
Computation of sub-optimal real-time guidance laws for combat aircraft trajectories 02 p0167 N91-10970
Load transfer between fiber and matrix in carbon fiber reinforced plastic composites tensile behavior of an embedded single filament specimen
[ONERA-NT-1989-9] 02 p0192 N91-11075
Combustion to modelisation turbulent combustion in the case of stabilization by flame-lock
[ONERA-NT-1989-8] 02 p0195 N91-11090
Determination of pair potentials by analysis of diffuse scattering of the local field in Pd3V and Ni3V
[ONERA-NT-1989-7] 02 p0199 N91-11117
Study of an electrothermal de-icer: Numerical simulation and measurement of the skin temperature by infrared technique in an icing wind tunnel
[ONERA-NT-1989-10] 02 p0202 N91-11133
Theoritical and experimental study of kinetics mechanisms in the Chemical Oxygen-Iodine Laser (COIL)
[ONERA-P-1990-1] 02 p0217 N91-11211
Study of the return-stroke phase of the gliding spark in ambient air
[ONERA-NT-1990-1] 02 p0241 N91-11345
Long period superstructures in Pt3V and Cu3Pd: Towards a quantitative description
[ONERA-NT-1990-2] 02 p0282 N91-11587
Metal matrix composite with long fibers
03 p0340 N91-11908
The problem of research in LDDI (less developed defense industry) countries 04 p0462 N91-12581
Planning applied research in France
04 p0462 N91-12585
Computation of unsteady transonic flows using an implicit centered Euler solver without artificial viscosity
[ONERA-NT-1990-8] 04 p0470 N91-12633
Numerical simulation of crater formation heating by laser beam. Analysis of radiation exchanges in the cavity
[ONERA-NT-1990-5] 04 p0528 N91-12925
Comparison of different calculation methods applied to a lenticular fuselage section 06 p0774 N91-14293
Anticipation of aerodynamic coefficients of missile air intakes 06 p0775 N91-14297
Results of GARTEUR action group AG09 on flow past missile afterbodies 06 p0775 N91-14299
New method to determine in wind tunnel the buffeting forces 06 p0782 N91-14337
Coupled aerodynamic loads due to unsteady stall on a large aspect ratio wing oscillating at great amplitude
06 p0782 N91-14338
One point and multi-point design optimization for airplane and helicopter application 10 p1459 N91-18045
Considerations on wind-tunnel testing techniques for rotorcraft 10 p1461 N91-18057
Compact heat exchanger for an inverse components engine 15 p2377 N91-23157
Supersonic-hypersonic inlet studies for aerospaceplane 15 p2378 N91-23160
LIDAR studies on microbursts
16 p2555 N91-24167
Improved reduction of gust loads data for gust intensity 18 p2928 N91-26153
Transition length determination in the F1 wind tunnel, test report
[ONERA-PV-1/8571-GY] 23 p3782 N91-31089
Exploitation of OAT15A profile tests in the T2 wind tunnel: Experimental determination of the wave drag
[ONERA-RSF-86/1685-AY-158-A]
23 p3783 N91-31092
Validation of two dimensional drag prediction methods
[ONERA-RSF-85/1685-AY] 23 p3783 N91-31093
ATSF supersonic aircraft intake. Review of the analyses of some particular problems, technical summary
[ONERA-RTS-134/2149-AY-640-A]
23 p3783 N91-31094
Three dimensional extension of a numerical method for resolving small transonic perturbations in unstructured mesh
[ONERA-RT-50/3064-RY-093-R]
23 p3783 N91-31095
Study of lightning strikes on an aircraft in flight. Electromagnetic measurements
[ONERA-RF-25/7234-PY] 23 p3786 N91-31111
Study of lightning strikes on an aircraft in flight. Electric measurements
[ONERA-RF-98/7154-PY] 23 p3786 N91-31112
Vortex-blade interaction on a helicopter principal rotor. Validation of the S2DI computation program and study of vortex models
[ONERA-RT-92/5094-PY] 23 p3790 N91-31136
Composite materials damage. Transverse cracking and delamination
[ONERA-RT-6/7256-RY-080-R]
23 p3807 N91-31234
Development of a computation code for nonequilibrium gas axisymmetric hypersonic laminar flow
[ONERA-RS-14/3637-AY] 23 p3869 N91-31585
Compressible two dimensional boundary layer strong perfect fluid coupling in the case of sharp leading edge profiles. Stationary case
[ONERA-RT-42/1621-RY-093-R]
23 p3870 N91-31586
Introduction to laser velocimeter techniques
23 p3875 N91-31615
Basic LDV1 component system
23 p3875 N91-31616
Advanced systems: Multicomponent LDV
23 p3876 N91-31619
Accuracy of laser velocimetry
23 p3876 N91-31622
Advanced and non-conventional optical schemes
23 p3876 N91-31626
Updating of finite element models using experimental vibratory type data. Process of static substructuring
[ONERA-RT-10/3313-RY-090-R]
23 p3885 N91-31682
Three dimensional acoustic propagation at low temperature altitude
[ONERA-RT-13/3641-PY] 23 p3924 N91-31924
Use of an ARMA model in turbulent medium acoustic propagation
[ONERA-RF-14/3641-PY] 23 p3924 N91-31925
Solution of perfect gas viscous flows via compressible Navier-Stokes equations with wallslip conditions
[ONERA-RSF-13/3637-AY] 24 p4013 N91-32435
Navier-Stokes flow calculations by an implicit non-centered method 24 p4013 N91-32436
Numerical study of partitioned turbulence
[ONERA-RSF-20/3419-AY-124A]
24 p4013 N91-32437
Spectral transfer analysis for subgrid-scale modelling
24 p4014 N91-32438
Description and interpretation of aircraft lightning attachment electric and magnetic field measurements and video observation 24 p4046 N91-32601
Current wave-form observed during lightning strikes on aircraft 24 p4046 N91-32603
Modeling of electrically thick materials theoretical and experimental aspects 24 p4046 N91-32605
VHF discharges in storm cells producing microbursts
24 p4049 N91-32620
FD-TD calculation with composite materials. Application to C160 aircraft measurements
24 p4052 N91-32637
FD-TD numerical simulation of an entire lightning strike on the C160 aircraft 24 p4054 N91-32648
Observations of bi-directional leader development in a triggered lightning flash 24 p4054 N91-32649
Application of surface electrical discharges to the study of lightning strikes on aircraft 24 p4054 N91-32650
OFFICE NATIONAL D'ETUDES ET DE RECHERCHES AEROSPATIALES, TOULOUSE (FRANCE).
Study of the flow around the GARTEUR AD/AG07 wing: First F2 test campaign results
[ONERA/DERAT-37/5025-26]
23 p3783 N91-31096
OFFICE OF AIR QUALITY PLANNING AND STANDARDS, RESEARCH TRIANGLE PARK, NC.
Compilation of air pollutant emission factor. Volume 1, supplement C: Stationary point and area sources, fourth edition
[PB91-125906] 13 p2112 N91-21630
OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC.
Statistical programs of the United States government, fiscal year 1991
[PB91-110593] 12 p1993 N91-20973
Five-year plan for meeting the automatic data processing and telecommunications needs of the Federal Government
[PB91-103549] 15 p2523 N91-23982
Current information technology resource requirements of the Federal government: Fiscal year 1991
[PB91-151894] 16 p2698 N91-24944
Seminar on Quality of Federal Data, parts 1-3
[PB91-142414] 19 p3262 N91-28044
OFFICE OF NAVAL RESEARCH, ARLINGTON, VA.
Ionospheric modification research at HIPAS
10 p1547 N91-18511
Cognitive and neural sciences division 1990 programs
[AD-A233773] 18 p3031 N91-26733
OFFICE OF NAVAL RESEARCH, TOKYO (JAPAN).
Recent hypersonic Navier/Stokes calculations
04 p0463 N91-12592
OFFICE OF NAVAL RESEARCH EUROPEAN OFFICE, FPO NEW YORK, NY.
European Telecommunications Conference. Strategic Planning for the 1990s
[AD-A225521] 04 p0514 N91-12856
Cable Television and Satellite Broadcasting
[AD-A225523] 04 p0514 N91-12857
Proceedings of the U.K. Information Technology Conference
[AD-A225509] 04 p0605 N91-13368
BRITE/EURAM: Third Technological Days for the Basic Research in Industrial Technologies in Europe/European Research in Advanced Materials
[AD-A225522] 04 p0611 N91-13396
Overview of European technology in computers, telecommunications, and electronics
[PB90-215773] 05 p0650 N91-13610
Strip laminate rocket motor cases
[AD-A233454] 16 p2580 N91-24301
Acoustics research in Europe and the Soviet Union
[PB91-159830] 17 p2860 N91-25818
MW 08-multi-beam air and surface surveillance radar
[AD-A233492] 19 p3146 N91-27387
European science notes information bulletin reports on current European/Middle Eastern science
[AD-A236072] 19 p3277 N91-28129
OFFICE OF SCIENCE AND TECHNOLOGY, WASHINGTON, DC.
US technology policy: Executive Office of the President
[PB91-119677] 11 p1815 N91-19970
OFFICE OF TECHNOLOGY ASSESSMENT, WASHINGTON, DC.
Proposal pressure in the 1980s: An indicator of stress on the Federal Research System
[PB90-253147] 02 p0283 N91-11593
Holding the edge: Maintaining the defense technology base. Volume 2: Appendixes
[PB90-253345] 02 p0284 N91-11597
Access to space: The future of US Space Transportation Systems
[PB90-253154] 04 p0490 N91-12722
High-temperature superconductivity in perspective
[PB90-253790] 04 p0587 N91-13274
Orbiting debris: A space environmental problem. Background paper
[PB91-114272] 09 p1297 N91-17121
Replacing gasoline: Alternative fuels for light-duty vehicles
[PB91-104901] 09 p1320 N91-17246

Changing by degrees: Steps to reduce greenhouse gases: Summary
[OTA-O-483] 12 p1920 N91-20564
Federally funded research: Decisions for a decade
[OTA-SET-490] 15 p2526 N91-23998
Identifying and controlling immunotoxic substances: Background paper
[OTA-BP-BA-75] 16 p2663 N91-24730
Changing by degrees: Steps to reduce greenhouse gases
[PB91-163428] 18 p3006 N91-26599
Seeking solutions: High-performance computing for science
[PB91-169763] 20 p3385 N91-28752
Verification technologies: Cooperative aerial surveillance in international agreements
[OTA-ISC-480] 22 p3696 N91-30575
Energy technology choices: Shaping our future
[OTA-E-493] 22 p3699 N91-30593
Redesigning defense: Planning the transition to the future US defense industrial base
[OTA-ISC-500] 22 p3763 N91-30978
Exploring the Moon and Mars: Choices for the nation
[OTA-ISC-502] 22 p3775 N91-31054

OFFICE OF THE AIR FORCE SURGEON GENERAL, WASHINGTON, DC.
Use of Contact Lenses (CL) by aircrew in the USAF
17 p2826 N91-25610

OFFICE OF THE SECRETARY OF DEFENSE, WASHINGTON, DC.
Department of Defense methodology guidelines for High Power Microwave (HPM) susceptibility assessments
[DE90-015405] 02 p0205 N91-11147

OFFICE OF THE UNDER SECRETARY OF DEFENSE (ACQUISITIONS), WASHINGTON, DC.
DOD responsibilities on Federal aviation and national airspace system matters
[PB90-218827] 01 p0001 N91-10001
Very High Speed Integrated Circuits (VHSIC)
[AD-A230174] 12 p1892 N91-20401

OHB-SYSTEM G.M.B.H., BREMEN (GERMANY, F.R.).
Payload related crew operations: From past missions to Columbus 15 p2449 N91-23569

OHIO STATE UNIV., COLUMBUS.
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061
Structure of supersonic turbulent reattaching shear layers 02 p0158 N91-10914
Graphical interfaces for cooperative planning systems 02 p0165 N91-10956
Vortex-induced noise and vibration in flow past several flat plates 02 p0208 N91-11163
Forced vibration analysis of plates and shallow shells 02 p0221 N91-11237
Buckling and vibrations of plates subjected to concentrated forces 02 p0224 N91-11255
TM scattering by a variable sheet impedance in a multilayered slab
[AD-A225586] 03 p0358 N91-12004
Automated handling and assembling of non-rigid objects
[AD-A224585] 03 p0373 N91-12091
Hypersonic aircraft design
[NASA-CR-187008] 04 p0477 N91-12661
STB-White
[NASA-CR-187012] 04 p0477 N91-12662
Robust stability and performance for linear systems with structured and unstructured uncertainties
[AD-A225697] 04 p0572 N91-13177
Ultraviolet spectroscopy of planetary nebulae: Cosmological implications
[NASA-CR-187237] 04 p0607 N91-13378
Modelling and performance analysis of four and eight element TCAS
[NASA-CR-187414] 05 p0618 N91-13428
Non-linear dynamic analysis of geared systems
[NASA-CR-4338] 05 p0672 N91-13737
Ground-based studies of emission-line variability: Recent results for NGC 5548 and future plans
[NASA-CR-180433] 05 p0732 N91-14088
Estimability of geodetic parameters from space VLBI observables
[NASA-CR-187413] 06 p0839 N91-14636
Demodulation processes in auditory perception
[AD-A226824] 06 p0853 N91-14707
Investigations of ultrasonic wave interactions with grain boundaries and grain imperfections
[DE91-002695] 06 p0869 N91-14804
IR and FIR laser diagnostics for plasma thrusters using a CW CO2 radiation source
[AD-A226816] 06 p0876 N91-14843
The reflection and transmission properties of a triple band dichroic surface
[NASA-CR-187776] 08 p1126 N91-16191
A planar near-field scanning technique for bistatic radar cross section measurements
[NASA-CR-187794] 08 p1127 N91-16194
Solvable two-dimensional supersymmetric models and the supersymmetric Virasoro algebra
[DE90-012140] 08 p1209 N91-16648
Molecular orbital studies of the bonding in heavy element organometallics
[DE90-009732] 08 p1219 N91-16711
Fermions in the hypercharge sector of the standard lattice electroweak theory: Global limit
[DE90-009731] 08 p1239 N91-16827
Turbulence and spatio-temporal chaos
[DE91-006159] 09 p1337 N91-17346
Project WISH: The Emerald City 10 p1479 N91-18146
A hypersonic research vehicle to develop scramjet engines 10 p1482 N91-18167
SATCOM antenna siting study on a P-3C using the NEC-BSC V3.1
[NASA-CR-187949] 10 p1510 N91-18307
Constitutive parameter de-embedding using inhomogeneously-filled rectangular waveguides with longitudinal section modes
[NASA-CR-187990] 10 p1515 N91-18341
Basic research for the geodynamics program
[NASA-CR-187959] 10 p1555 N91-18551
Vibration transmission through rolling element bearings in geared rotor systems
[NASA-CR-4334] 11 p1714 N91-19435
Plastids and gravity perception 11 p1757 N91-19668
A theoretical approach to analysis and design of efficient reduced control for space structures
[AD-A230223] 12 p1854 N91-20188
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 2: Edge wave edge and vertex diffraction
[AD-A230339] 12 p1882 N91-20348
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 3: Technical overview
[AD-A230340] 12 p1882 N91-20349
Uniform Theory of Diffraction (UTD) scattering from structures, including higher order terms. Volume 6: Overview of accomplishments
[AD-A230341] 12 p1883 N91-20350
Cognitive consequences of clumsy automation on high workload, high consequence human performance 12 p1947 N91-20711
Guidance for human interface with artificial intelligence systems 12 p1947 N91-20712
Theory of structure and properties of hydrogenated amorphous silicon
[DE91-009353] 13 p2056 N91-21315
A system for the real-time display of radar and video images of targets
[NASA-CR-188058] 13 p2069 N91-21394
Transitive, anti-symmetric relational attributes in structural description matching with applications to radar target identification
[AD-A231318] 13 p2073 N91-21417
A full field, 3-D velocimeter for microgravity crystallization experiments
[NASA-CR-188147] 14 p2253 N91-22465
Three dimensional scattering center imaging techniques
[NASA-CR-188012] 14 p2255 N91-22472
Joint services electronics program
[AD-A232331] 15 p2419 N91-23402
Automated handling and assembling of non-rigid objects
[AD-A231246] 15 p2435 N91-23489
Atmospheric circulation and poleward sensible heat flux variations associated with the recent Northern Hemisphere warming 15 p2459 N91-23629
Mean-field theories of the Hubbard model and periodic orbits in chaotic maps 15 p2515 N91-23938
Theoretical studies of QSO absorption lines and the intergalactic medium 15 p2531 N91-24025
Thick plate theories, with applications to vibration 16 p2643 N91-24630
Control strategies of robotic and neuromuscular bipeds 16 p2674 N91-24802
The nature of emission-line profile variability and the structure of the line-emitting regions in active galactic nuclei 16 p2702 N91-24963
Optical emission variability in the intermediate polars FO Aquarii, V1223 Sagittarii and AO Piscium 16 p2702 N91-24964
Impedance profiling: A convenient technique for determining the redox or protonic acid doping characteristics of conducting polymers
[AD-A233941] 18 p2960 N91-26337
A review of precipitation-related aspects of West Antarctic meteorology 18 p3001 N91-26574
Glacial dynamics (glaciology) 18 p3002 N91-26580
Generic tasks for knowledge-based problem solving: Extension and new directions
[AD-A234925] 18 p3054 N91-26865
Molecular orbital studies of the bonding in heavy element organometallics
[DE91-010915] 18 p3060 N91-26905
User interface development
[AD-A235699] 19 p3219 N91-27795
Implementation and evaluation of a classification algorithm based on structural descriptions: Program listing
[AD-A235814] 19 p3223 N91-27816
Questions: Assessing the structure of knowledge and the use of information in design problem-solving 20 p3286 N91-28169
Joining of aluminum-based particulate-reinforced metal-matrix composites 20 p3306 N91-28298
Laser surface modification to impede hydrogen ingress into steel 20 p3319 N91-28375
Receptivity of a laminar boundary layer to the interaction of a three-dimensional roughness element with time-harmonic free-stream disturbances 20 p3344 N91-28518
Analytical calibration of the airborne photogrammetric system using a priori knowledge of the exposure station obtained from kinematic Global Positioning System techniques 20 p3366 N91-28646
Strongly interacting fermion systems
[DE91-012284] 20 p3401 N91-28848
Topics on frustrated spin systems and high-temperature superconductors 20 p3431 N91-29032
Design and performance evaluation of signature files for text retrieval systems 20 p3439 N91-29085
Ultrasonic evaluation of elastic and interfacial properties of composite materials and laminates 21 p3469 N91-29238
High strain rate characterization of ceramics in shear
[AD-A238319] 21 p3490 N91-29365
Secondary stability and three-dimensional natural convection in a shallow cavity 21 p3511 N91-29495
Kinematics of serial manipulators and their parallel duals 21 p3526 N91-29589
Bispectral analysis of radar signals with application to target classification
[AD-A229388] 22 p3657 N91-30356
Fundamentals of fluid lubrication
[NASA-RP-1255] 22 p3688 N91-30531
Adaptive arrays in packet radio networks
[AD-A239636] 23 p3857 N91-31509
Linear and nonlinear stability of boundary layers with streamwise varying properties 23 p3864 N91-31545
Analysis and development of a real-time control methodology in resistance spot welding 23 p3879 N91-31646
The development of an intelligent dimensional inspection environment using coordinate measuring machines 23 p3882 N91-31661
Crystallization of the glassy grain boundary phase in silicon nitride ceramics
[NASA-CR-188717] 23 p3930 N91-31961
Microstructural changes in Beta-silicon nitride grains upon crystallizing the grain-boundary glass 23 p3930 N91-31963
Glass formation and crystallization in high-temperature glass-ceramics and Si3N4 23 p3930 N91-31964
Indirect measurement of the viscosity of the intergranular glass phase in yttria-sintered silicon nitride 23 p3930 N91-31965

OHIO UNIV., ATHENS.
System identification and controller design using experimental frequency response data 10 p1630 N91-18989
Investigation of air transportation technology at Ohio University, 1989-1990 11 p1637 N91-19028
Ridge regression signal processing 11 p1637 N91-19029
Modeling selective availability of the NAVSTAR global positioning system 11 p1638 N91-19030
Analyzing thought-related electroencephalographic data using nonlinear techniques 11 p1638 N91-19031
Integrated inertial/GPS 11 p1638 N91-19032
Theory of photon and electron induced reactions
[DE91-008993] 13 p2149 N91-21842
Electron distortion effects in quasi-elastic electron scattering
[DE91-009034] 13 p2149 N91-21843

Stochastic estimation of coherent structures and their dynamics in transitional and turbulent boundary layers
[AD-A236231] 19 p3164 N91-27494

OHIO WESLEYAN UNIV., DELAWARE.
Analysis of retinal function following laser irradiation
[AD-A225021] 03 p0395 N91-12195

OKAYAMA UNIV. (JAPAN).
Drift-wave transport model and role of fast particles
10 p1597 N91-18813

OKLAHOMA CITY AIR LOGISTICS CENTER, TINKER AFB, OK.
Proceedings of the 2nd E-3 AWACS Corrosion Prevention Advisory Board (CPAB)
[AD-A227627] 07 p0940 N91-15150

OKLAHOMA GEOLOGICAL SURVEY, NORMAN.
Natural resources information system for the state of Oklahoma
[DE91-008931] 17 p2887 N91-25963

OKLAHOMA STATE UNIV., STILLWATER.
A new approach to the flight control system reconfiguration following a battle damage and/or generic failure on a control surface 02 p0182 N91-11023
Growth and characterization of tunable solid state lasers in the near infrared spectral region
[NASA-CR-187380] 03 p0370 N91-12071
Parametric continuous crack tip boundary elements in linear elastic fracture mechanics
07 p1021 N91-15606
Space Exposed Experiment Developed for Students (SEEDS) P-0004-2 16 p2725 N91-25095
Laser spectroscopy characterization of materials for frequency agile solid state laser systems
[AD-A233916] 18 p2989 N91-26500

OKLAHOMA UNIV., NORMAN.
Rapid isothermal processing of the thin epitaxial CaF2 dielectric films for advanced Si radiation tolerant integrated circuits
[AD-A225995] 04 p0589 N91-13288
Direct disc impact investigation of dynamic large finite plastic behavior of 1100 aluminum
08 p1163 N91-16404
Resonance energies and widths from the poles of the multichannel T matrix
[AD-A229064] 09 p1396 N91-17684
Estimations of ABL fluxes and other turbulence parameters from Doppler lidar data
[NASA-CR-188053] 13 p2120 N91-21665
Advanced working fluids: Thermodynamic properties
[PB91-136465] 15 p2520 N91-23964
An integrated aerodynamic/propulsion study for generic aero-space planes based on waverider concepts
[NASA-CR-188691] 22 p3617 N91-30125
Estimation of elastic parameters in linear and nonlinear distributed models of plates arising in large flexible space structures
[AD-A229527] 22 p3629 N91-30193
Computational analysis of hypersonic flows past elliptic-cone waveriders 23 p3781 N91-31080
Model of an aerospace plane based on an idealized cone-derived waverider forebody
23 p3789 N91-31129

OLD DOMINION UNIV., NORFOLK, VA.
Interactive real time flow simulations
[NASA-CR-187325] 01 p0040 N91-10238
Analysis and control of supersonic vortex breakdown flows
[NASA-CR-186897] 02 p0155 N91-10903
Grid generation and flow computation about a Martian entry vehicle
[NASA-CR-187032] 02 p0186 N91-11042
An experimental study of an axisymmetric turbulent boundary layer disturbed by a periodic freestream
02 p0210 N91-11175
Surrogate oracles, generalized dependency and simpler models
[NASA-CR-187360] 02 p0253 N91-11407
Wave-interactions in supersonic and hypersonic flows
[NASA-CR-181054] 04 p0469 N91-12629
A future perspective on technological obsolescenceat NASA, Langley Research Center
04 p0597 N91-13329
Parallel-vector computation for CSI-design code
04 p0598 N91-13332
Design optimization for cost and quality: The robust design approach 04 p0600 N91-13344
Study of diamond film growth and properties
[NASA-CR-187709] 06 p0812 N91-14483
Comparison of digital controllers used in magnetic suspension and balance systems
[NASA-CR-182087] 07 p0989 N91-15425
Experimental parametric study of jet vortex generators for flow separation control
[NASA-CR-187836] 08 p1144 N91-16296
Passive damping concepts for tubular beams with partial rotational and translational end restraints
[NASA-CR-187833] 08 p1164 N91-16411
Impact response of composite materials
[NASA-CR-187896] 09 p1304 N91-17157
Algorithm To Architecture Mapping Model (ATAMM) multicomputer operating system functional specification
[NASA-CR-4339] 09 p1325 N91-17277
Design of an autonomous lunar construction utility vehicle 10 p1479 N91-18147
Integration of mechanism and control for large-angle slew maneuvers of flexible structures
[NASA-CR-187876] 10 p1486 N91-18188
Control and mechanism interaction for ground-based testing of space structures 11 p1656 N91-19125
Development of a perturbation generator for vortex stability studies
[NASA-CR-188051] 11 p1703 N91-19379
Wavelets and turbulence on the sea surface
[AD-A229862] 11 p1740 N91-19565
Radiative interactions in chemically reacting supersonic internal flows
[NASA-CR-188067] 12 p1829 N91-20052
Strategies for concurrent processing of complex algorithms in data driven architectures
[NASA-CR-187450] 12 p1890 N91-20395
New devices for flow measurements: Hot film and burial wire sensors, infrared imagery, liquid crystal, and piezo-electric model
[NASA-CR-187911] 12 p1900 N91-20450
Twenty-five years of aerodynamic research with IR imaging: A survey
[SPIE-1467-59] 12 p1900 N91-20452
Investigation of nose bluntness and angle of attack effects on slender bodies in viscous hypertension flows
[NASA-CR-188153] 13 p2021 N91-21117
Ground-based testing of the dynamics of flexible space structures using band mechanisms
[NASA-CR-188154] 13 p2103 N91-21576
WINTER 1990 hydrographics data report: CTD station profiles, sections, nutrients, SAIL, January - February 1990
[DE91-008286] 13 p2123 N91-21686
Radiative interactions in laminar duct flows
[NASA-CR-188150] 14 p2262 N91-22513
NASA Langley Research Center HBCU/OMU program: 1990 student support survey
[NASA-CR-188149] 14 p2338 N91-22926
An experimental study of an axisymmetric turbulent boundary layer disturbed by a periodic freestream
15 p2363 N91-23078
Large and moderate deviation limit theorems for arbitrary sequences of random variables with applications
[AD-A232334] 15 p2495 N91-23817
Building a generalized distributed system model
[NASA-CR-188181] 15 p2521 N91-23970
Building a generalized distributed system model
15 p2521 N91-23971
Effects of distributed database modeling on evaluation of transaction rollbacks 15 p2521 N91-23972
Measuring the effects of distributed database models on transaction availability measures
15 p2521 N91-23973
Performance analysis of static locking in replicated distributed database systems 15 p2521 N91-23974
A note on the performance analysis of static locking in distributed database systems 15 p2522 N91-23975
A software development and evolution model based on decision-making
[NASA-CR-187889] 16 p2667 N91-24758
ATAMM enhancement and multiprocessor performance evaluation
[NASA-CR-188495] 16 p2672 N91-24788
An extension of essentially nonoscillatory shock-capturing schemes to multidimensional systems of conservation laws 17 p2774 N91-25355
Navier-Stokes simulations of flows about complex configurations using domain decomposition techniques
17 p2776 N91-25362
Performance related issues in distributed database systems
[NASA-CR-185972] 17 p2886 N91-25952
Measuring the effects of heterogeneity on distributed systems 17 p2886 N91-25953
A distributed scheduling algorithm for heterogeneous real-time systems 17 p2886 N91-25954
Performance analysis of static locking in replicated distributed database systems 17 p2886 N91-25955
Effects of distributed database modeling on evaluation of transaction rollbacks 17 p2886 N91-25956
Heterogeneous distributed databases: A case study
17 p2886 N91-25957
An integrated decision support system for TRAC: A proposal 17 p2887 N91-25958
Viscous flow simulations of internal store carriage and separation
[NASA-CR-185343] 18 p2922 N91-26123
Navier-Stokes calculations of scramjet-nozzle-afterbody flowfields
[NASA-CR-185356] 18 p2986 N91-26488
An improved compression molding technology for continuous fiber reinforced composite laminate. Part 1: AS-4/LaRC-TPI 1500 (HFG) Prepreg system
[NASA-CR-187572] 19 p3136 N91-27329
Operator strategies under varying conditions of workload
[NASA-CR-4385] 19 p3214 N91-27763
Mesoscale characteristics and the role of deformation on ocean dynamics
[AD-A237577] 21 p3546 N91-29701
Analysis and control of asymmetric vortex flows and supersonic vortex breakdown
[NASA-CR-188637] 22 p3610 N91-30081
Computation of compressible quasi-axisymmetric slender vortex flow and breakdown
22 p3610 N91-30082
Supersonic quasi-axisymmetric vortex breakdown
[AIAA-91-3311-CP] 22 p3610 N91-30083
Polymer infiltration studies
[NASA-CR-188708] 22 p3653 N91-30333
Mesoscale characteristics and the role of deformation on ocean dynamics
[AD-A237123] 22 p3712 N91-30659
Modeling Cr-to-Tm and Cr-to-Tm-to-Ho energy transfer in YAG crystals
[NASA-CR-187764] 22 p3760 N91-30962
Integrated control of thermally distorted large space antennas 23 p3854 N91-31487
Investigation of radiative interactions in supersonic internal flows
[NASA-CR-188820] 24 p3950 N91-32078
Infrared radiative energy transfer in gaseous systems
[NASA-CR-188925] 24 p4018 N91-32462

OLDELFT B.V., DELFT (NETHERLANDS).
Kopstudie BLASER (laser bathymetry)
[BCRS-89-36] 04 p0550 N91-13049

OLDENBURG UNIV. (GERMANY, F.R.).
Meteorological effects on long-range outdoor sound propagation 08 p1216 N91-16696
Wave propagation through random media: A local method of small perturbations based on the Helmholtz equation 08 p1217 N91-16701

ONAN CORP., MINNEAPOLIS, MN.
Development of a low cost peak shaving generator set
[PB91-136374] 15 p2408 N91-23332

ONSALA SPACE OBSERVATORY (SWEDEN).
The molecular cloud content of early type galaxies
05 p0740 N91-14127
Simulations of gas clouds in interacting galaxies
08 p1264 N91-16961
Proceedings of the symposium Astrophysical Processes and Structures in the Universe
[PB91-123653] 11 p1819 N91-19993
Proceedings of 146th IAU Symposium on Dynamics of Galaxies and Molecular Cloud Distribution
[PB91-123661] 11 p1819 N91-19994
A flexible hybrid spectrometer for balloon borne and ground based (sub)millimeter wavelength astronomy
13 p2180 N91-22043

ONTARIO RESEARCH FOUNDATION, MISSISSAUGA.
Evaluation of flammability properties of glass-reinforced plastics for marine use
[DREA-CR-88-411] 22 p3654 N91-30336

OPEN UNIV., MILTON (ENGLAND).
Using a fast Fourier method to model sound propagation in a stratified atmosphere over a stratified porous-elastic ground 08 p1216 N91-16692

OPERATIONAL TEST AND EVALUATION FORCE, NORFOLK, VA.
Follow-on operational test and evaluation of the CPU-152/A Standard Central Air Data Computer (SCADC)
[AD-A226310] 04 p0481 N91-12679

OPHIR CORP., LAKEWOOD, CO.
Continuous wave laser for wind shear detection
16 p2552 N91-24142

OPTECH, INC., DOWNSVIEW (ONTARIO).
Helicopter lidar bathymeter system. Conceptual design
[AD-A227057] 06 p0784 N91-14348

OPTICAL COATING LAB., INC., SANTA ROSA, CA.
Optical performance of exposed solar cell covers
16 p2721 N91-25072

OPTICAL SCIENCES CO., PLACENTIA, CA.
Phased array imaging
[AD-A228774] 08 p1244 N91-16855

OPTICOMP CORP., ZEPHYR COVE, NV.
Digital optical computer global interconnect algorithm study
[AD-A230282] 13 p2132 N91-21736

OPTRA, INC., BEVERLY, MA.
Fiber optic synthetic aperture interferometer
[AD-A227891] 08 p1224 N91-16741

ORA CORP., ITHACA, NY.
Verification of the FtCayuga fault-tolerant microprocessor system. Volume 2: Formal specification and correctness theorems
[NASA-CR-187574] 21 p3559 N91-29777
Verification of the FtCayuga fault-tolerant microprocessor system. Volume 1: A case study in theorem prover-based verification
[NASA-CR-4381] 21 p3559 N91-29778

ORBITAL TECHNOLOGIES CORP., MADISON, WI.
Overview of European and other non-US/USSR/Japan launch vehicle and propulsion technology programs
20 p3295 N91-28221

ORD, INC., NORTH SALEM, NH.
Receptor based fiber optic microsensor development
[AD-A238491] 22 p3648 N91-30301

OREGON GRADUATE CENTER FOR STUDY AND RESEARCH, BEAVERTON.
Atmospheric methane research program for a study in China
[DE91-005573] 09 p1362 N91-17484
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-016949] 23 p3816 N91-31290

OREGON GRADUATE INST. OF SCIENCE AND TECHNOLOGY, BEAVERTON.
Deformation effects on the development of grain boundary chronium depletion (sensitization) in type 316 austenitic stainless steels
[DE90-016130] 02 p0195 N91-11092
Low-temperature laser-induced selective area growth of compound semiconductor 15 p2514 N91-23932
A study of atmospheric n-alkanes and PAHs and their distributions between the gaseous and particulate phases 17 p2810 N91-25535
Deformation induced microstructural and microchemical changes during thermomechanical treatment
[DE91-014862] 21 p3483 N91-29319

OREGON INST. OF TECH., KLAMATH FALLS.
DHE (Downhole Heat Exchangers)
[DE91-006620] 11 p1727 N91-19509
Direct use R/D assistance
[DE91-009976] 15 p2526 N91-23999

OREGON STATE UNIV., CORVALLIS.
An experimental study of natural convection heat transfer from a horizontal cylinder array vertically aligned to and confined by a single wall and two walls
02 p0211 N91-11178
Cloud properties as deduced from satellite observation
[NASA-CR-182851] 05 p0689 N91-13833
Load response of horizontal-axis wind turbines to turbulence
[DE90-000375] 06 p0841 N91-14644
Kinematics of arthropod legs: Modeling and measurement 08 p1160 N91-16391
Atlas of air quality and deposition in or near forests of the Western United States
[PB91-106229] 09 p1359 N91-17466
Studying oxygen vacancies in ceramics by perturbed angular correlation spectroscopy
[DE91-005568] 10 p1502 N91-18266
Perturbed angular correlations in zirconia ceramics
[DE91-005571] 10 p1502 N91-18267
Feasibility study of robotic neural controllers
10 p1631 N91-18996
Cockpit task management: A preliminary, normative theory 12 p1946 N91-20707
Control aspects of the brushless doubly-fed machine
[DE91-009707] 15 p2417 N91-23387
Boundary layer parameterization for a global spectral model
[AD-A235310] 18 p3012 N91-26635
Using Landsat to provide potato production estimates to Columbia Basin farmers and processors
[NASA-CR-188686] 19 p3184 N91-27610
Theoretical studies of zirconia and related materials
[DE91-013906] 20 p3318 N91-28369
Kinematic analysis of legged system locomotion on smooth horizontal surfaces 20 p3355 N91-28586
Modelling and analysis of geophysical turbulence: Use of optimal transforms and basis sets
20 p3373 N91-28686
A study of El Nino/Southern Oscillation: Numerical experiments and data analysis 20 p3377 N91-28710
Theoretical studies in nuclear physics
[DE91-013909] 20 p3405 N91-28873
Atomic approaches to defect thermochemistry
[AD-A238260] 21 p3476 N91-29280
Nonlinear computerized methodology. A: Angle of arrival estimation. B: Data modeling and identification
[AD-A237564] 21 p3499 N91-29415
Nonlinear stability and control study of highly maneuverable high performance aircraft
[NASA-CR-188721] 22 p3622 N91-30150
The effects of fluid particle interactions on interfacial transfer and flow structure
[DE91-016409] 23 p3868 N91-31575

OREGON STATE UNIV., NEWPORT.
Parallel processing and learning: Variability and chaos in self-organization of activity in groups of neurons
[AD-A234589] 18 p3032 N91-26737
Materials compatibility issues for fabric composite radiators
[DE91-017556] 24 p3972 N91-32186

OREGON UNIV., EUGENE.
Collision-induced gas phase dissociation rates
[NASA-CR-185874] 01 p0120 N91-10707
Observation and analysis of variable linear polarization in the yellow supergiant star Epsilon Aurigae
02 p0288 N91-11616
Stereopsis and the combination of surface cues
[AD-A225109] 03 p0395 N91-12197
Explorations of anatomy of connectionist models for visual lexical access
[AD-A224845] 03 p0409 N91-12284
Energetic x ray processes in atoms
[AD-A224997] 04 p0580 N91-13233
Nonlinear dynamics of broad-band lasers
[DE91-001143] 06 p0832 N91-14596
Investigating individual differences in general comprehension skill: The role of suppression and enhancement
[AD-A226788] 06 p0854 N91-14715
Rotational and vibrational spectra of molecular clusters
[AD-A232959] 16 p2683 N91-24853
Two studies in relativistic cosmology: Smoothing spacetimes via Ricci flow and the Bel-Robinson energy in Gowdy T(sup 3) x R spacetimes
17 p2890 N91-25977
Experimental studies of fundamental problems in quantum optics
[AD-A235454] 19 p3245 N91-27945
A comparative second harmonic study of Cu(111) in UHV and in solution
[AD-A237023] 20 p3337 N91-28479
Structure and stability of underpotentially deposited layers on Au(111) studied by optical second harmonic generation
[AD-A237087] 21 p3474 N91-29268
Ionization of NO at high temperature
[NASA-CR-188798] 24 p3972 N91-32187
Monitoring interfacial dynamics by pulsed laser techniques
[DE91-016950] 24 p4023 N91-32485

ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK, THE HAGUE (NETHERLANDS).
Results of the propagation measurements over a 5120 m link over land at 94 GHz
[AD-A233405] 16 p2618 N91-24492

ORINCON CORP., LA JOLLA, CA.
Evolutionary programming for automatic control
[AD-A235875] 19 p3234 N91-27881

ORTEL CORP., ALHAMBRA, CA.
Vertical emitting, ring geometry, ultra-low threshold, and ultra-high speed quantum well lasers for optical interconnect
[AD-A228421] 09 p1340 N91-17361
Vertical emitting, ring geometry, ultra-low threshold and ultra-high speed quantum well lasers for optical interconnect
[AD-A232122] 15 p2433 N91-23481

OSAKA UNIV. (JAPAN).
Toward the automatic flow solver
04 p0455 N91-12541
Computations of three-dimensional Navier-Stokes equations by using a prismatic mesh
04 p0465 N91-12604
Two-stage ion diode experiments on induction adder
11 p1801 N91-19884
The electric field changes and UHF radiations caused by the triggered lightning in Japan
24 p4055 N91-32652

OSAKA UNIV., SUITA (JAPAN).
Hydrodynamic instabilities in laser driven implosion
20 p3409 N91-28897
Nonlinear evolution of 2D and 3D Rayleigh-Taylor instability at stagnation phase in laser implosion
20 p3409 N91-28899
Turbulent mixing due to Rayleigh-Taylor instability in laser driven implosion 20 p3412 N91-28914

OSLO UNIV. (NORWAY).
Variability and velocity fields in the alpha Ori atmosphere 09 p1440 N91-17935

OSSERVATORIO ASTRONOMICO, BRERA, MILAN (ITALY).
Geometrical parameters of E+S pairs
08 p1246 N91-16865

OSSERVATORIO ASTRONOMICO, CAPODIMONTE, NAPLES (ITALY).
The UV properties of normal galaxies
09 p1431 N91-17880

OSSERVATORIO ASTRONOMICO, PADOVA (ITALY).
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390
Extragalactic source counts, confusion limits and contributions to the background radiation in the sub-mm
13 p2173 N91-21995

OSSERVATORIO ASTRONOMICO, TRIESTE (ITALY).
A comparative study of B and Be stars in the UV: New evidence of a near-equatorial origin of the SiIV 1400 and C IV 1500 features in Be stars 09 p1434 N91-17896
The features at 130.55 and 130.95 nm in B type stars
09 p1434 N91-17899

OSSERVATORIO ASTRONOMICO, TURIN (ITALY).
A model for one-sided extragalactic jets
06 p0922 N91-15097

OULU UNIV. (FINLAND).
Supervision of peat stockpiles using aerial thermography
[DE91-752966] 13 p2111 N91-21622

OUTER SPACE ENVIRONMENTS, HOUSTON, TX.
The Centauri project: Manned interstellar travel
14 p2202 N91-22159

OVERSEAS RELATIONS BRANCH TRANSLATION SERVICE, LONDON (ENGLAND).
Investigations into fracture mechanics failure concepts with thermomechanically rolled steels
[BLL-OA-TRANS-4238-(6196.3)]
18 p2998 N91-26556
Load-bearing capacity of large pipes with circumferential defects under tensile stress: Comparison of experiments with calculated estimates
[BLL-OA-TRANS-4233-(6196.3)]
18 p2998 N91-26557

OWENS VALLEY RADIO OBSERVATORY, PASADENA, CA.
Aperture synthesis CO observations of the inner disk of NGC 1068 05 p0738 N91-14122
Molecular gas and star formation in the centers of Virgo spirals 05 p0758 N91-14216

OXFORD POLYTECHNIC (ENGLAND).
ADENG, adhesive bonding technology for engineering applications: Computer aided design
[CETIM-105070] 05 p0703 N91-13917

OXFORD UNIV. (ENGLAND).
Experiments and theory with a 0.5 ton mobile robot
[OUEL-1807/90] 01 p0006 N91-10035
Design for navigation: Using acoustic cats' eyes to improve sonar range and direction range finding for industrial mobile robots and AGV's
[OUEL-1812/90] 01 p0006 N91-10036
Real-time safety analysis for autonomous guided vehicles
[OUEL-1833/90] 01 p0006 N91-10037
Application of generalized predictive control to a boiler turbine unit for electricity generation
[OUEL-1823/90] 01 p0039 N91-10229
A facility for calibrating calorimeter gauges at high rates of convective heat transfer
[OUEL-1825/90] 01 p0046 N91-10272
Protective autonomy: Embedding sensor-based safety and protection mechanisms into the motion control of mobile and tele-operated robots
[OUEL-1808/90] 01 p0049 N91-10292
Casual eigenvector function approximations and the problem of scaling: An algorithm
[OUEL-1822/90] 01 p0110 N91-10644
Some defects in finite-difference edge finders
[OUEL-1826/90] 01 p0110 N91-10645
Multiple widths yield reliable finite differences
[OUEL-1827/90] 01 p0111 N91-10646
Image motion experiments with the Oxford AGV
[OUEL-1809/90] 01 p0112 N91-10654
Bounded-error data, and frequency response design
[OUEL-1766/89] 01 p0116 N91-10683
H 2 and H infinity approximations for eigenvalue/vector functions of transfer matrices
[OUEL-1778/89] 01 p0116 N91-10684
Robustness effects of a prefilter in generalized predictive control
[OUEL-1799/89] 01 p0116 N91-10685
Passive-filtered and active-driven probes for RF plasmas
[OUEL-1806/89] 01 p0127 N91-10754
The aerodynamic effects of nozzle guide vane shock wave and wake passing on a transonic turbine rotor
02 p0158 N91-10915
H infinity-design and the improvement of helicopter handling qualities 02 p0182 N91-11024
Radiometric observation of the atmospheric boundary layer (the ROSSA Project) 02 p0237 N91-11324

Atmospheric chemistry: Laboratory studies of kinetics of important reactions 02 p0238 N91-11326
Modelling of large-scale unstable waves in the middle atmosphere 02 p0238 N91-11327
Ion dynamics in semiconductors with self-consistent electronic densities 02 p0277 N91-11556
Long-lived eddies in the atmosphere of Jupiter 03 p0438 N91-12451
Epipolar geometry for trinocular active range-sensors [OUEL-1850/90] 04 p0527 N91-12923
The general form of the Airy stress function [OUEL-1837/90] 04 p0538 N91-12983
Distributed architecture for sensing and control of a mobile robot [OUEL-1836/90] 04 p0571 N91-13170
Projectively invariant representations using implicit algebraic curves [OUEL-1829/90] 04 p0571 N91-13171
The outer atmospheres of hybrid giants 04 p0609 N91-13385
The interlaminar shear strength of woven carbon, woven glass and woven carbon/glass hybrid laminates under static and impact loading [OUEL-1831/90] 06 p0801 N91-14423
Robot control strategies [OUEL-1754/89] 06 p0833 N91-14605
Analogue computation using VLSI neural network devices [OUEL-1835/90] 06 p0864 N91-14773
Test and calibration of the Along Track Scanning Radiometer (ATSR) 07 p0961 N91-15292
Hot gas and magnetic fields in clusters of galaxies 07 p1084 N91-15963
Aerodynamic and mechanical performance of a high-pressure turbine stage in a transient wind tunnel 09 p1284 N91-17061
Orbital motion in stellar systems 09 p1426 N91-17850
Chromospheres of cool stars 09 p1429 N91-17867
The ultraviolet spectrum of FG Sge 09 p1438 N91-17925
Pitot measurements in the exhaust of a cluster of four small scale supersonic nozzles [OUEL-1862/90] 11 p1644 N91-19070
Application of high speed photography to the study of high strain rate materials testing [OUEL-1852/90] 11 p1709 N91-19411
The selection of window functions for the calculation of time domain averages on the vibration of the individual gears in an epicyclic gearbox [OUEL-1818/90] 11 p1717 N91-19457
Visual navigation around curved obstacles [OUEL-1861/90] 11 p1717 N91-19458
Real-time sensor-based approach to the improvement of transitions of robot manipulator controls [OUEL-1866/90] 11 p1718 N91-19459
Time-frequency domain analysis of vibration signals for machinery diagnostics. 1: Introduction to the Wigner-Ville distribution [OUEL-1859/90] 11 p1724 N91-19495
Dynamic applications of ABAQUS [OUEL-1853/90] 11 p1778 N91-19755
Model distribution in decentralized multi-sensor data fusion [OUEL-1868/90] 11 p1780 N91-19763
Topological models for space and time [OUEL-1860/90] 11 p1782 N91-19774
A novel isoparametric finite element displacement formulation for axisymmetric analysis of nearly incompressible materials [OUEL-1872/91] 11 p1784 N91-19791
Nonlinear wave and diffusion equations [AD-A229795] 12 p1866 N91-20251
Experimental techniques in unsteady flows [OUEL-1843/90] 12 p1895 N91-20420
Intruder states, coexistence, and approaches to deformation: The study of Xe120 and the N = 66 isotones [DE91-008144] 12 p1975 N91-20867
Modelling of the impact response of fibre-reinforced composites [OUEL-1863/90] 13 p2044 N91-21244
Effect of strain rate on the through-thickness elastic properties of woven laminates 13 p2044 N91-21245
A new type of shear specimen for measuring the interlaminar shear strength under impact loading 13 p2044 N91-21246
The interlaminar shear strength of woven carbon, woven glass and woven carbon/glass hybrid laminates under static and impact loading 13 p2045 N91-21247
Analysis of failure in woven carbon/epoxy laminates under quasi-static and impact loading 13 p2045 N91-21248
Stress wave propagation in hybrid composite materials 13 p2045 N91-21249
Mechanical behaviour of composite materials under impact loading 13 p2045 N91-21250
Applications of liquid crystals in aerodynamic testing 14 p2186 N91-22072
Polymer battery studies 14 p2248 N91-22437
Kinetic studies of atmospheric reactions 14 p2284 N91-22632
Theory of defect interactions in metals 14 p2330 N91-22874
High-resolution stellar spectroscopy 14 p2342 N91-22949
Cosmological implications of supergravity and superstring theories 14 p2344 N91-22957
Pitot surveys of two moderately under-expanded jets 15 p2380 N91-23172
Modelling of the impact response of fibre-reinforced composites [AD-A232658] 15 p2396 N91-23266
Analysis of the multigrid method 15 p2422 N91-23418
The outer atmosphere of 56 Peg: Studies of fluorescent excitation 16 p2701 N91-24959
Proposed reference models for nitrous oxide and methane in the middle atmosphere 19 p3189 N91-27636
Reference model for CH4 and N2O and trends 19 p3189 N91-27637
Non-Hausdorff twistor spaces and the global structure of space-time 20 p3443 N91-29103
Finite-dimensional dynamics and chaos in fluid flows 23 p3867 N91-31571

P

PACIFIC MISSILE TEST CENTER, POINT MUGU, CA.
A combined finite element-boundary element formulation for solution of axially symmetric bodies [NASA-CR-187886] 09 p1324 N91-17268
Satellite-derived moisture-bogusing profiles for the Northwest Pacific Ocean [AD-A231058] 13 p2124 N91-21690
Tidal and lunar data for Point Mugu, San Nicholas Island, and the Barking Sands area during 1991 [AD-A229479] 22 p3711 N91-30655
PACIFIC NORTHWEST LAB., RICHLAND, WA.
Advanced ceramic fabric body mounted radiator for Space Station Freedom Phase O design [DE90-016361] 01 p0017 N91-10104
Advanced materials for high-temperature solid electrolyte applications [DE90-016328] 01 p0024 N91-10143
Radiation-induced microstructural development and microchemical changes in Fe-Cr-Mn-Ni solute-bearing alloys [DE90-016359] 01 p0027 N91-10160
Strength and toughness of single-phase and dual-phase high-temperature intermetallics [DE90-017192] 01 p0028 N91-10166
Design considerations for a ceramic fabric radiator [DE90-016342] 01 p0029 N91-10173
Optical properties of inorganic polymers [DE90-017143] 01 p0030 N91-10179
Effects of in-plane pi prime bonding on electronic transition energies for inorganic polymers [DE90-017144] 01 p0030 N91-10180
A representation scheme for fault diagnosis of physical systems [DE90-016362] 01 p0049 N91-10295
Thermal energy storage for power generation applications [DE90-016539] 01 p0065 N91-10388
The effects of critical layers on atmospheric cnoidal waves [DE90-016540] 01 p0073 N91-10440
Terrain-induced mesoscale circulations in the Columbia Basin [DE90-016338] 01 p0093 N91-10541
Energetics of valley and basin atmospheres during the evening transition and nighttime periods [DE90-016356] 01 p0093 N91-10542
ELF (extremely-low-frequency): Exposure levels, bioeffects, and epidemiology [DE90-016554] 01 p0098 N91-10573
Interaction of extremely low-frequency electromagnetic fields with humans [DE90-017190] 01 p0101 N91-10592
Statistical methods for analyzing and combining data on low-level exposures to ionizing radiation [DE90-017193] 01 p0102 N91-10593
A representation scheme for fault diagnosis [DE90-016291] 01 p0109 N91-10631
Properties of reactively-deposited SiC and GeC alloys [DE90-016363] 01 p0129 N91-10766
Theoretical calculations of the nonlinear dielectric function of inhomogeneous thin films [DE90-017186] 01 p0132 N91-10778
Assessing the feasibility, cost, and utility of developing models of human performance in aviation 02 p0164 N91-10948
Combined capillary electrophoresis and electrospray ionization mass spectrometry [DE90-016535] 02 p0193 N91-11079
Japanese power electronics inverter technology and its impact on the American air conditioning industry [DE90-014843] 02 p0213 N91-11191
Classification of acoustic emission waveforms for nondestructive evaluation using neural networks [DE90-017239] 02 p0221 N91-11236
Results from a workshop on research needs for modeling aquifer thermal energy storage systems [DE90-018007] 02 p0233 N91-11301
The practical challenges of converting end-use data into information [DE90-016538] 02 p0284 N91-11600
Efficient iteration in data-parallel programs with irregular and dynamically distributed data structures [DE91-000417] 03 p0401 N91-12233
Optimized readout system for cooled optically stimulated luminescence [DE91-000150] 03 p0424 N91-12372
An approach to acquiring quantitative and qualitative knowledge for fault diagnosis [DE90-017868] 04 p0533 N91-12960
Radiation resistance of copper alloys at high exposure levels [DE91-001563] 06 p0809 N91-14470
Effects of wind shear and turbulence on wind turbine power curves [DE91-004072] 06 p0841 N91-14648
Atmospheric source-receptor relationships: Concepts and terminology [DE91-001033] 06 p0843 N91-14656
A LEED study of the MgO(001) surface structure [DE91-002811] 06 p0883 N91-14879
The PEGASUS drive: A nuclear electric propulsion system for the space exploration initiative [DE91-004734] 07 p0966 N91-15304
Proceedings of the Office of Fusion Energy/DOE Workshop on Ceramic Matrix Composites for Structural Applications in Fusion Reactors [DE91-004497] 07 p0970 N91-15325
Stress corrosion cracking of metal matrix composites: Modeling and experiment [DE91-004813] 07 p0981 N91-15382
The influence of helium on mechanical properties of model austenitic alloys, determined using Ni-59 isotopic tailoring and fast reactor irradiation [DE91-004891] 07 p0981 N91-15385
New insights on the mechanisms controlling the nickel dependence of swelling in irradiated Fe-Cr-Ni alloys [DE91-004892] 07 p0981 N91-15386
Helium measurements for the MFE-4 spectral tailoring experiment [DE91-004893] 07 p0981 N91-15387
The influence of nickel content on microstructures of Fe-Cr-Ni austenitic alloys irradiated with nickel ions [DE91-004894] 07 p0982 N91-15388
A fuel cycle framework for evaluating greenhouse gas emission reduction technology [DE91-004068] 07 p1026 N91-15633
Robustness of a multiple-use reservoir to seasonal runoff shifts associated with climate change [DE91-004809] 07 p1027 N91-15639
US areal wind resource estimates considering environmental and land-use exclusions [DE91-004065] 07 p1031 N91-15659
Phenomenological models [DE91-004737] 07 p1033 N91-15668
Proceedings of the Relevance of Mass Spectrometry to DNA Sequence Determination: Research Needs for the Human Genome Program Workshop [DE91-004117] 07 p1034 N91-15672
Going four-dimensional at a national laboratory [DE91-004076] 07 p1049 N91-15761
Atomic and molecular physics in the gas phase [DE91-004811] 07 p1065 N91-15858
The development of improved capillary supercritical fluid chromatography and mass spectrometry [AD-A228535] 08 p1112 N91-16107
Rotary absorption heat pump sensitivity analysis [DE90-010006] 08 p1137 N91-16256
Procedures for Quality Assurance Program [DE90-010001] 08 p1161 N91-16393
Multimedia Environmental Pollutant Assessment System (MEPAS) sensitivity analysis of computer codes [DE90-010005] 08 p1171 N91-16445
Microstructural examination in FFTF irradiated manganese stabilized martensitic steel [DE90-011930] 09 p1311 N91-17197

Mechanical property changes and microstructures of dispersion-strengthened copper alloys after neutron irradiation at 411, 414, and 529 C
[DE91-005518] 09 p1312 N91-17204
Theoretical determination of the nonlinear optical properties of inorganic polymers
[DE91-005183] 09 p1318 N91-17239
A candidate configuration for automated process monitoring
[DE90-010991] 09 p1348 N91-17406
Imbedding dynamic responses with imperfect information into static portraits of the regional impact of climate change
[DE91-004744] 09 p1361 N91-17480
Global climate change policy issues related to the movement of industry from developed to rapidly industrializing countries
[DE91-005615] 09 p1361 N91-17481
ELF (Extremely-Low-Frequency) field interactions at the animal, tissue and cellular levels
[DE91-004807] 09 p1371 N91-17537
Exploration mission enhancements possible with power beaming
[DE91-006718] 10 p1483 N91-18176
An integrated mission approach to the space exploration initiative will ensure success
[DE91-006721] 10 p1484 N91-18177
Simple stressed-skin composites using paper reinforcement
[DE91-005610] 10 p1494 N91-18226
Final report on the characterization of the film on inert anodes
[DE91-007425] 10 p1497 N91-18239
Ion irradiation effects on a martensitic stainless steel designed for reduced long-life radioactivity
[DE91-005045] 10 p1497 N91-18242
Metastable phase formation in Be-Nb intermetallic compounds
[DE91-005617] 10 p1500 N91-18255
Interfacial chemistry and structure in ceramic composites
[DE91-005676] 10 p1502 N91-18269
Metallographic preparation techniques for ceramic materials
[DE91-004742] 10 p1503 N91-18270
Bone formation: The rules for fabricating a composite ceramic
[DE91-005178] 10 p1505 N91-18281
Synthetic surfaces as models for biomineralization substrates
[DE91-005182] 10 p1505 N91-18282
Advanced materials and electrochemical processes in high-temperature solid electrolytes
[DE91-005181] 10 p1521 N91-18379
Materials property measurements
[DE91-005612] 10 p1537 N91-18459
Greenhouse gases: What is their role in climate change
[DE91-005447] 10 p1542 N91-18486
Revision of the ICRP dosimetric model for the human respiratory tract
[DE91-005086] 10 p1562 N91-18594
Electron emission in H-0-atom collisions: A coincidence study of the angular dependence
[DE91-005555] 10 p1591 N91-18775
Correlations between charged particles emitted in ion-molecule collisions
[DE91-005557] 10 p1592 N91-18776
Contributions and future of radioisotopes in medical, industrial, and space applications
[DE91-005245] 10 p1594 N91-18792
Construction and testing of ceramic fabric heat pipe with water working fluid
[NASA-TM-103332] 10 p1595 N91-18799
Key structure-activity relationships in the vanadium phosphorus oxide catalyst system
[DE91-005247] 10 p1606 N91-18859
Local entropy generation analysis of a rotary magnetic heat pump regenerator
[DE91-005520] 10 p1611 N91-18889
Radiation-induced changes in electrical conductivity of a wide range of copper alloys
[DE91-007200] 11 p1682 N91-19271
The 70 percent tungsten heavy alloys: Processing and properties
[DE91-008259] 11 p1684 N91-19282
Radioluminescent polymer lights
[DE91-005521] 11 p1686 N91-19290
Identification of flow and volume parameters in multizone systems using a single gas tracer technique
[DE91-006894] 11 p1701 N91-19368
A review of fiber optic and related technologies for environmental sensing applications
[DE91-007736] 11 p1708 N91-19409
Biological effects of extremely low-frequency electromagnetic fields: In vivo studies
[DE91-007899] 11 p1764 N91-19704
Finding the object proceedings addendum
[DE91-006724] 11 p1776 N91-19738
Technology modernization assessment flexible automation
[DE91-005620] 11 p1778 N91-19751
Fiberglass hand laminating process
12 p1860 N91-20221
Making and testing superconductors
12 p1861 N91-20222
Defect enhancement of local electric fields in dielectric films
[DE91-008829] 12 p1992 N91-20968
Graphical user interfaces in computational chemistry
[DE91-009116] 13 p2048 N91-21267
Vibrational frequencies for model silicates: Extensions beyond molecular properties
[DE91-008828] 13 p2055 N91-21310
Engineering property limitations of structural ceramics and ceramic composites above 1600 C
[DE91-009105] 13 p2055 N91-21311
Contributions of conformational and structural defects to the hyper-polarizabilities of polymers
[DE91-009042] 13 p2056 N91-21313
Stress-density variations in alumina sediments: Effects of polymer chemistry
[DE91-009055] 15 p2404 N91-23313
Temperature effects on the strength and toughness of Be12Nb
[DE91-010838] 16 p2602 N91-24419
Implications of environmental externalities assessments for solar thermal powerplants
[DE91-010198] 16 p2652 N91-24679
Biological effects of electromagnetic fields
[DE91-010006] 16 p2662 N91-24727
Computing and information sciences preliminary engineering design study
[DE91-010567] 16 p2671 N91-24785
Technology transfer quality assurance
[DE91-010009] 16 p2700 N91-24955
Modeling irradiation-induced grain boundary segregation in stainless steels
[DE91-010157] 17 p2759 N91-25272
Hydrogen embrittlement effects on tensile properties of tungsten heavy alloys
[DE91-011332] 17 p2760 N91-25282
Field calibration of soil-core microcosms for evaluating fate and effects of genetically engineered microorganisms in terrestrial ecosystems
[DE91-011258] 17 p2807 N91-25518
Methods for estimating the uncertainty of climate change effects in a crop model
[DE91-011238] 17 p2808 N91-25525
Potential impacts of global climate change on solar thermal power systems
[DE91-011239] 17 p2808 N91-25526
Quality Assurance Manual
[DE91-012618] 18 p2998 N91-26555
Comparison of MAGIC and Diatom paleolimnological model hindcasts of lakewater acidification in the Adirondack region of New York
[DE91-010125] 19 p3186 N91-27616
SPGD: A central power system for space
[DE91-012610] 20 p3302 N91-28276
Electrochemical processes at solid electrode-electrolyte-gas interfaces
[DE91-012922] 20 p3309 N91-28317
Effects of residual stresses on the fracture toughness of Zircaloy-2 tubes
[DE91-012736] 20 p3316 N91-28354
Advancements in ultrathinning section techniques for the characterization of brittle materials
[DE91-012930] 20 p3317 N91-28364
The avian eggshell as a model of biomineralization
[DE91-012608] 20 p3323 N91-28400
Ultra-fine powders using glycine-nitrate combustion synthesis
[DE91-012926] 20 p3325 N91-28412
Computer modeling of ceramic melters to assess impacts of process and design variables on performance
[DE91-013668] 20 p3328 N91-28431
Behavior of RuO2 in a glass melt
[DE91-013717] 20 p3328 N91-28432
Development of biomass as an alternative fuel for gas turbines
[DE91-012129] 20 p3330 N91-28441
Robotic mannequin technology for enhanced product testing
[DE91-013787] 20 p3356 N91-28591
Nondestructive testing standards and the ASME code
[DE91-012643] 20 p3358 N91-28600
Analysis of brittle intergranular crack propagation during stress corrosion cracking
[DE91-013666] 20 p3363 N91-28630
Applications and challenges for thermal energy storage
[DE91-012873] 20 p3367 N91-28654
Alternative materials for solid oxide fuel cells: Chromite interconnections
[DE91-014447] 20 p3369 N91-28664
Environmental tradeoffs associated with various energy paths: A total energy cycle analysis approach
[DE91-013662] 20 p3370 N91-28669
Modeling molecular processes in the environment
[DE91-013790] 20 p3370 N91-28671
Microbeam studies of the sensitivity of structures within living cells
[DE91-012927] 20 p3378 N91-28715
Choosing processor array configuration by performance modeling for a highly parallel linear algebra algorithm
[DE91-012486] 20 p3384 N91-28749
Biomimetic thin film deposition
[DE91-012485] 20 p3425 N91-28999
Raman studies of stress-induced phase transformation in titania films
[DE91-012871] 20 p3427 N91-29012
Threatened Area Database System (TADS) computer program
[DE91-012491] 20 p3438 N91-29074
Developing a GIS to facilitate data analysis for environmental restoration of a large waste site
[DE91-013222] 20 p3438 N91-29078
Communicating success: Writing about technology transfer
[DE91-013994] 20 p3440 N91-29092
A theoretical and experimental study of unimolecular and biomolecular radical hydrogen transfer reactions
[DE91-012607] 21 p3473 N91-29261
Ion transmission studies of mulitple-sector isotope-ratio mass spectrometers
[DE91-014253] 21 p3474 N91-29265
Postirradiation deformation of ferritic Fe-Cr binary alloys
[DE91-014856] 21 p3479 N91-29295
Advances in the drained shaping of ceramics
[DE91-015429] 21 p3492 N91-29376
The 0-G experiments with advanced ceramic fabric wick structures
[DE91-015531] 21 p3492 N91-29377
Electric rate structures for thermal energy storage evaluation
[DE91-013168] 21 p3536 N91-29644
The observational approach in environmental restoration
[DE91-015528] 21 p3540 N91-29666
A climatological model for risk computations incorporating site-specific dry deposition influences
[DE91-015536] 21 p3540 N91-29667
Three-dimensional visualization for evaluating automated, geomorphic pattern-recognition analyses of crustal structures
[DE91-012929] 21 p3540 N91-29668
Mesoscale modeling of precipitation scavenging by a cold-frontal squall line
[DE91-015534] 21 p3545 N91-29695
Biological interactions of extremely-low-frequency electric and magnetic fields
[DE90-011927] 21 p3547 N91-29709
A methodology for developing physical system fault diagnostic aids
[DE91-015533] 21 p3564 N91-29809
Reevaluation of S-values considering electron transport
[DE91-015428] 21 p3577 N91-29893
Neutron dosimetry using optically stimulated luminescence
[DE91-015781] 21 p3578 N91-29902
Air-sintering mechanisms of chromites
[DE91-015527] 21 p3599 N91-30027
Catalysis-by-design impacts assessment
[DE91-013280] 23 p3809 N91-31247
A review of accelerated response actions available to the environmental restoration program: Selected case histories and associated issues
[DE91-013608] 23 p3891 N91-31716
Performance enhancement using power beaming for electric propulsion Earth orbital transporters
[DE91-017287] 24 p3968 N91-32168
A power beaming based infrastructure for space power
[DE91-017533] 24 p3968 N91-32169
Irradiation-induced chromium depletion and its influence on integranular stress corrosion cracking of stainless steels
[DE91-017418] 24 p3976 N91-32212
Benefit/cost comparison for utility SMES applications
[DE91-017425] 24 p4007 N91-32408
Site-specific investigations on aquifer thermal energy storage for space and process cooling
[DE91-017534] 24 p4040 N91-32576

Wind energy potential in the United States considering environmental and land-use exclusions
[DE91-017535] 24 p4041 N91-32577
Interaction of extremely-low-frequency electromagnetic fields with humans
[DE91-015779] 24 p4073 N91-32756

PACIFIC-SIERRA RESEARCH CORP., LOS ANGELES, CA.
Ionospheric heating with oblique HF waves
10 p1549 N91-18521

PADUA UNIV. (ITALY).
VNIR-VIMS: A visible mapping spectrometer for Mars-94
[IFSI-90-17] 04 p0610 N91-13390
Hidden interaction in SBO galaxies
08 p1249 N91-16880
The complex nature of the Seyfert galaxy NGC 7592
08 p1250 N91-16882
The double nucleus galaxies Mkn 423 and Mkn 739
08 p1252 N91-16891
The spectral energy distribution of stellar generations: Evolution and comparison with cluster spectra
09 p1438 N91-17927
Recent IUE observations of early-type galaxies
09 p1446 N91-17976
Contractile protein changes induced by hindlimb suspension in rat skeletal muscle
11 p1754 N91-19646

PAILEN-JOHNSON ASSOCIATES, INC., VIENNA, VA.
Criteria for the use of Lime-Cement-Flyash on airport pavements
[AD-A225226] 03 p0317 N91-11775

PAINE (THOMAS) ASSOCIATES, LOS ANGELES, CA.
Biospheres and solar system exploration
05 p0691 N91-13843

PALISADES INST. FOR RESEARCH SERVICES, INC., NY.
Extended abstracts. The US workshop on the Physics and Chemistry of Mercury Cadmium Telluride and Novel IR Detector Materials
[AD-A230804] 12 p1991 N91-20960

PANAMETRICS, INC., WALTHAM, MA.
Demonstrate the feasibility of a detection method to separate neutral particles from charged particles in the MeV/nucleon energy range
[AD-A225656] 04 p0494 N91-12745

PARASOFT CORP., PASADENA, CA.
An automatic parallelization tool for sequential programs
[AD-A229972] 13 p2138 N91-21771
A heterogeneous parallel programming capability
[AD-A229710] 13 p2138 N91-21772

PARIS-SUD UNIV., ORSAY (FRANCE).
Three dimensional Euler equation solving on parallel machines
[ETN-91-99913] 23 p3869 N91-31583

PARIS UNIV., VAL DE MARNE (FRANCE).
Prebiotic chemistry in the solar system
10 p1621 N91-18945

PARIS V UNIV. (FRANCE).
Study of pilot vigilance during long range flight
08 p1194 N91-16561

PARIS VI UNIV., BANYULS-SUR-MER (FRANCE).
Microgravity and development of aquatic animals
11 p1750 N91-19625

PARIS VI UNIV. (FRANCE).
Comets and their evolution in the solar system
10 p1621 N91-18939
Effect of gravity on the distribution of electron dense chromatin in the nucleus of root statocytes
11 p1758 N91-19672
Ocean modeling for climate study
15 p2453 N91-23592

PARIS VI UNIV., VILLEFRANCHE-SUR-MER (FRANCE).
Primary ocean production: Carbon and particle flux
15 p2454 N91-23596

PARIS VII UNIV. (FRANCE).
PAHs molecules and heating of the interstellar gas
06 p0894 N91-14939
Infrared spectroscopy of a carbon extract from the Orgueil meteorite 10 p1620 N91-18934

PARK (GEORGE W.) SEED CO., INC., GREENWOOD, SC.
Seeds in space experiment results
16 p2725 N91-25094

PARKE MATHEMATICAL LABS., INC., CARLISLE, MA.
Growth and characterization of III-V epitaxial films
[AD-A225087] 03 p0423 N91-12369
Signal processing development
[AD-A226593] 05 p0725 N91-14052

PASK RESEARCH AND ENGINEERING, INC., PINOLE, CA.
Joining alumina to sapphire for copper vapor laser tubes
[AD-A226619] 06 p0815 N91-14501

PATHOLOGY ASSOCIATES, INC., FREDERICK, MD.
Research pathology and special techniques
[NASA-CR-187828] 08 p1207 N91-16639

PATRAS UNIV. (GREECE).
Turbulence models for natural convection flows along a vertical heated plane 24 p4015 N91-32447

PATTERN ANALYSIS AND RECOGNITION CORP., NEW HARTFORD, NY.
Distributed System Modeling Environment (DSME)
[AD-A226698] 08 p1198 N91-16583

PAYLOAD SYSTEMS, INC., WELLESLEY, MA.
A new accelerometer recording system for shuttle use
03 p0431 N91-12414

PCO, INC., CHATSWORTH, CA.
The growth of epitaxial GaAs and GaAlAs on silicon substrate by MOVPE
[AD-A225743] 04 p0587 N91-13277
Coherent fiber optic links
[AD-A233465] 16 p2689 N91-24889

PECHAN (E. H.) AND ASSOCIATES, INC., SPRINGFIELD, VA.
Analysis of air toxics emissions, exposures, cancer risks, and controllability in five urban areas. Volume 2: Controllability analysis and results
[PB90-259870] 09 p1359 N91-17468

PENNSYLVANIA STATE UNIV., FOGELSVILLE.
Abundance anomalies of carbon and nitrogen in the IUE spectra of Algol-type interacting binaries
[NASA-CR-187909] 17 p2889 N91-25972

PENNSYLVANIA STATE UNIV., STATE COLLEGE.
A fluorescence technique for measurement of slot injected fluid concentration profiles in a turbulent boundary layer
[AD-A226122] 04 p0522 N91-12908
Evaluation of flush mounted hot-film sensors for skin friction reduction measurements in viscoelastic polymer solutions
[AD-A226121] 04 p0527 N91-12921
Theoretical studies in elementary particle physics
[DE91-006795] 10 p1592 N91-18781

PENNSYLVANIA STATE UNIV., UNIVERSITY PARK.
Nano-composite desiccation materials
[PB90-247388] 01 p0021 N91-10123
Thermal stability of jet fuel
[DE90-016801] 01 p0032 N91-10188
Exponential approximations in optimal design
01 p0052 N91-10311
Estimating integrated cloud liquid water from extended time observations of solar irradiance
01 p0086 N91-10510
Aircraft measurements of the mean and turbulent structure of marine stratocumulus clouds during FIRE
01 p0087 N91-10514
Cloud and boundary layer structure over San Nicolas Island during FIRE 01 p0087 N91-10515
Boundary layer roll circulations during FIRE
01 p0089 N91-10521
Winds and turbulence above San Nicolas Island during FIRE 01 p0089 N91-10522
Biomedical perspectives on locomotion in null gravity
01 p0100 N91-10583
A computational model for the prediction of hypersonic, reacting flows 02 p0157 N91-10911
Magnetohydrodynamic modification of the TEACH-T code and the prediction of the maximum azimuthal velocity in a conducting fluid
[DE90-017510] 02 p0212 N91-11187
Astronomical applications of survival analysis
02 p0288 N91-11615
Radio and infrared emission from starburst galaxies
02 p0296 N91-11661
Calculation of containment concentrations while coating the interior of a bulk storage fuel tank
[AD-A224930] 03 p0349 N91-11948
Fundamental hydrodynamics research
[AD-A225030] 03 p0374 N91-12092
Acoustic studies of new materials: Quasicrystals, low-loss glasses, and high Tc superconductors
[AD-A225190] 03 p0415 N91-12320
Studies in wave-material interaction and design of composite materials
[AD-A226422] 04 p0498 N91-12768
Measurement of the complex reflectivity of submerged thin plates at oblique incidence angles using the two-sensor intensity technique
[AD-A226352] 04 p0579 N91-13229
A theoretical analysis of airborne sound transfer from resiliently mounted machine to its foundation
[AD-A226487] 04 p0580 N91-13230
Microstructural evolution in rapidly solidified Cu-Nb powders
[AD-A225860] 04 p0588 N91-13282
Microcracking mechanisms and interface toughening of semi-IPN polyimide matrix composites
04 p0596 N91-13327
Utilization of the HIPAS facility for cooperative experiments related to ionospheric modification
[AD-A226609] 05 p0647 N91-13590
Reynolds stress closure in jet flows using wave models
[NASA-CR-185717] 05 p0655 N91-13640
The influence of the sampling time on diffusion measurements in the atmosphere
05 p0687 N91-13824
A study of active regions on RS CVn stars
05 p0732 N91-14092
Far infrared luminosity functions of normal galaxies
05 p0741 N91-14135
PAH formation in carbon-rich circumstellar envelopes
06 p0908 N91-15015
Analysis of transient overvoltage protection circuits
[AD-A228062] 07 p1000 N91-15492
Remote measurement of soil moisture over vegetation using infrared temperature measurements
[NASA-CR-187382] 07 p1023 N91-15614
Analysis of significant weather on meso-alpha scales using conventional and remotely-sensed data: Further studies
[AD-A227588] 07 p1030 N91-15652
Hypersonic shock/boundary-layer interaction database
[NASA-CR-187769] 08 p1090 N91-15986
Acceleration of iterative algorithms for Euler and Navier-Stokes equations 08 p1145 N91-16301
Stratiform clouds and their interaction with atmospheric motion 08 p1182 N91-16506
Fourth moments of acoustic waves forward scattered by a rough ocean surface
[AD-A227469] 08 p1188 N91-16529
Real-time system specification and verification
[AD-A227682] 08 p1206 N91-16634
Comparison of FFP predictions with measurements of a low-frequency signal propagated in the atmosphere
08 p1217 N91-16698
Kinetic stability of field-reversed configurations
[DE90-011530] 08 p1228 N91-16767
Multiple-photon Compton scattering in a strong magnetic field: Cross-sections and radiative transport
08 p1243 N91-16852
Measurement of the velocity-coupled admittance in a solid propellant rocket motor 09 p1300 N91-17133
First-order singular thrust-arcs in aerospace trajectory optimization 09 p1300 N91-17137
Fabrication and design of silicon carbide whisker-reinforced mullite composites
09 p1302 N91-17147
Elastic waves in structurally chiral composites
09 p1302 N91-17148
A theoretical study of augmentation of particle combustion via acoustic enhancement of heat and mass transfer 09 p1309 N91-17186
The alteration of turbulent jet flame structure a nd combustion by axisymmetric jet pulsing
09 p1309 N91-17187
Development of local/global SAW sensors for measurement of wall shear stress in laminar and turbulent flows 09 p1332 N91-17314
The elliptic calculation of viscous incompressible turbomachinery flows 09 p1335 N91-17330
Turbulence characteristics and bubble dynamics of a microbubble-modified boundary layer
09 p1336 N91-17338
Fractals and fracture 09 p1350 N91-17416
A numerical study of the genesis of extratropical convective mesovortices 09 p1362 N91-17489
Model studies of the thermodynamic structure in the marine convective boundary layer
09 p1363 N91-17491
The genesis of bow echoes: A rear inflow-induced mesoconvective structure 09 p1363 N91-17492
Equatorially trapped waves in varying basic states: Structures and lateral forcing processes
09 p1363 N91-17493
Interpretation of combined wind profiler and aircraft-measured tropospheric winds and clear air turbulence
[NASA-CR-187785] 09 p1366 N91-17509
A numerical investigation of wintertime East Coast cyclogenesis 09 p1367 N91-17511
On the development and use of four-dimensional data assimilation in limited-area mesoscale models used for meteorological analysis 09 p1367 N91-17512
The measurement of air-sea fluxes
[AD-A228511] 09 p1367 N91-17514
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Electron spin resonance and radiation effects in MOS devices
[AD-A228651] 09 p1410 N91-17760

Application of the HEAO-1 A-2 low energy detector data to the diffuse x ray sky background
09 p1425 N91-17841
Aerodynamic shape design 10 p1457 N91-18036
A Stream-Function-Coordinate (SFC) concept in aerodynamic shape design 10 p1458 N91-18041
Preliminary subsystem designs for the Assured Crew Return Vehicle (ACRV) 10 p1479 N91-18148
Effect of interfaces on continuous fiber-reinforced brittle matrix composites 10 p1492 N91-18214
Ignition and combustion characteristics of metallized propellants
[NASA-CR-187951] 10 p1506 N91-18289
A numerical scheme for time-accurate solutions of incompressible flow equations 10 p1523 N91-18384
Remote sensing and hydrologic modeling of arid watersheds: A scale analysis
[DE91-004044] 10 p1537 N91-18462
Investigation of the polar electrojet current system using radio wave heating from a ground-based facility
10 p1554 N91-18547
Development and application of a time-space conversion technique for analysis of weather systems passing over the Kennedy Space Center
[NASA-CR-187967] 10 p1557 N91-18560
C-statistic fitting routines: User's manual and reference guide
[NASA-CR-187992] 11 p1775 N91-19736
Parallel processing for a 1-D time-dependent solution to impurity rate equations for fusion plasma simulations
[DE90-015857] 11 p1779 N91-19759
Electron transfer, ionization, and excitation in atomic collisions
[DE91-008044] 11 p1794 N91-19844
The high temperature creep behavior of oxides and oxide fibers
[NASA-CR-187060] 12 p1864 N91-20241
Fracture behavior of surface-modified ceramics
[DE91-008841] 12 p1877 N91-20317
Advanced thermally stable jet fuels development program annual report. Volume 2: Compositional factors affecting thermal degradation of jet fuels
[AD-A229693] 12 p1878 N91-20323
Relaxor ferroelectrics for electrostrictive tranducers
[AD-A229960] 12 p1901 N91-20454
The structure and dynamics of tropical-midlatitude interactions
[AD-A229904] 12 p1922 N91-20575
Large sparse stable matrix computations
[AD-A229837] 12 p1970 N91-20837
Computation of supersonic and low subsonic cascade flows using an explicit Navier-Stokes technique and the kappa-epsilon turbulence model
13 p2013 N91-21072
Distributed Minimal Residual (DMR) method for acceleration of iterative algorithms
13 p2014 N91-21077
A pressure based method for the solution of viscous incompressible turbomachinery flows
13 p2014 N91-21078
Wave models for turbulent free shear flows
13 p2015 N91-21086
Comparison of the activity of subsurface and surface microorganisms and their anaerobic transformation of heterocyclic compounds
[DE91-008839] 13 p2126 N91-21703
New materials and new techniques for imaging of long wavelength IR radiation
[AD-A231086] 13 p2155 N91-21877
Kinetic stability of field-reversed configurations
[DE91-009530] 13 p2159 N91-21901
Finite element modeling of truss structures with frequency-dependent material damping
14 p2232 N91-22345
Runaway greenhouse atmospheres: Applications to Earth and Venus 14 p2346 N91-22977
Computer modeling of soot formation comparing free radical and ionic mechanisms
[AD-A232820] 15 p2399 N91-23287
Point defect effects on hot corrosion of zirconia-based coatings
[AD-A232662] 15 p2407 N91-23326
A computationally efficient modelling of laminar separation bubbles 15 p2421 N91-23411
Fundamental hydrodynamics research
[AD-A232650] 15 p2428 N91-23451
Atmospheric teleconnections: Emphasis on the El Nino/Southern Oscillation and monsoons
15 p2461 N91-23636
Surface layer transfer processes over vegetation: A micrometeorological field experiment of long duration
15 p2466 N91-23664
Observational study of the above-inversion structure and marine stratocumulus cloud clearing episodes during FIRE 15 p2466 N91-23666
Boundary conditions in quantum cosmology
15 p2530 N91-24020
A new facility to study three dimensional viscous flow and rotor-stator interaction in turbines
16 p2587 N91-24336
Hydrogen assisted cracking and corrosion of some highly corrosion resistant alloys
[AD-A233193] 16 p2601 N91-24412
A finite element model for thermochemically decomposing polymers 16 p2604 N91-24429
The effect of compliant walls on three-dimensional primary and secondary instabilities in boundary layer transition 16 p2622 N91-24520
Passive vibration damping
[AD-A233197] 16 p2647 N91-24656
The mesoscale responses of a locally heated planetary boundary layer 16 p2656 N91-24698
Computer modeling of soot formation comparing free radical and ionic mechanisms
[AD-A235007] 18 p2949 N91-26273
Microstructure, porosity, and mechanical property relationships of calcium-silicate-hydrate
[AD-A235191] 18 p2950 N91-26279
Advanced processing and properties of high performance alloys
[AD-A234746] 18 p2954 N91-26299
Synthesis and structure of small-molecule cyclic phosphazenes bearing ortho-substituted aryloxy and phenoxy substituents
[AD-A234377] 18 p2961 N91-26344
A study of the gas phase chemistry of solid propellants using a microprobe mass spectrometer (MPMS) system: Initial development of the MPMS system
[AD-A234839] 18 p2969 N91-26393
A study of the gas phase chemistry of solid propellants using a microprobe mass spectrometer (MPMS) system: Preliminary results for solid fuels (HTPB/Zecorez and BAMO/NMMO), single-base propellant (M10) and an RDX-Based propellant (BLX-9)
[AD-A234840] 18 p2970 N91-26394
The wavenumber-frequency filtering characteristics of compliant layers
[AD-A234768] 18 p2999 N91-26561
Ice cores and SeaRISE: What we do (and don't) know
18 p3002 N91-26579
Hydroacoustics of intermittent boundary-layer flow: A review
[AD-A235092] 18 p3057 N91-26883
Backscattering from rough interfaces and the parabolic approximation
[AD-A235184] 18 p3057 N91-26886
Acoustic radiation from fluid-loaded, ribbed cylindrical shells excited by different types of concentrated mechanical drives
[AD-A235324] 18 p3057 N91-26887
Linear models for the shock cell structure of supersonic jets with noncircular exit geometries
19 p3100 N91-27125
Analysis and design of planar and non-planar wings for induced drag minimization
[NASA-CR-188656] 19 p3101 N91-27131
Microstructural investigations of rapidly solidified Cu-Nb alloy powders produced by inert gas atomization
[AD-A235428] 19 p3133 N91-27312
Comparative study of design methods for two-way reinforced concrete slab systems
[AD-A234081] 19 p3145 N91-27381
Piezoelectric and electrostrictive materials for transducer applications, volume 1
[AD-A236219] 19 p3158 N91-27458
Piezoelectric and electrostrictive materials for transducer applications, volume 2
[AD-A236220] 19 p3158 N91-27459
An assessment of NASA master directory/catalog interoperability for interdisciplinary study of the global water cycle
[NASA-CR-185992] 19 p3182 N91-27597
Ice-atmosphere interactions in the polar oceans
19 p3182 N91-27598
Determination and impact of surface radiative processes for TOGA COARE 19 p3182 N91-27599
Climate and society in 20th century Mexico
19 p3183 N91-27600
Studies of oxide anions
[AD-A236812] 19 p3243 N91-27935
Studies of the two-phase plume jet and wall erosion in a vertical launching system 20 p3281 N91-28145
A theoretical and experimental study of the interior ballistic processes of an electrothermal gun
20 p3289 N91-28185
A review of liquid rocket propulsion programs in Japan
20 p3294 N91-28219
An overview of the Penn State Propulsion Engineering Research Center 20 p3295 N91-28222
Cryogenic combustion laboratory
20 p3295 N91-28223
Ignition and combustion of metallized propellants
20 p3295 N91-28224
Liquid-propellant droplet vaporization and combustion in high pressure environments 20 p3295 N91-28225
Spray combustion under oscillatory pressure conditions 20 p3295 N91-28226
Liquid jet breakup and atomization in rocket chambers under dense spray conditions 20 p3296 N91-28227
Droplet-turbulence interactions in subcritical and supercritical evaporating sprays
20 p3296 N91-28228
Composite material systems for hydrogen management 20 p3296 N91-28229
Robust and real-time control of magnetic bearings for space engines 20 p3296 N91-28230
Analysis of foil bearings for high speed operation in cryogenic applications 20 p3297 N91-28231
A study of methods to investigate nozzle boundary layer transition 20 p3297 N91-28232
Optical diagnostic investigation of low Reynolds number nozzle flows 20 p3297 N91-28233
CFD applications in chemical propulsion engines
20 p3297 N91-28234
Experiments on the instabilities in swirling and non-swirling free jets 20 p3346 N91-28531
A reconfigurable strategy for distributed digital process control
[DE91-013740] 20 p3390 N91-28786
Sound propagation in the atmosphere: Analysis of signal amplitude and phase temporal and spatial variations
[AD-A237034] 20 p3395 N91-28816
Coordinated optical and ultraviolet observations of short period RS CVn and W UMa type stars
20 p3441 N91-29096
Translation of airfoil trailing edge noise article from Revue d'Acoustique
[AD-A237811] 21 p3451 N91-29143
Compensation of distributed delays in integrated communication and control systems
[NASA-CR-187136] 21 p3461 N91-29193
Microstructural development in HSLA-100 steel weld metals
[AD-A237931] 21 p3482 N91-29315
Penn State/ONR Mid Frequency Workshop
[AD-A237982] 21 p3500 N91-29420
A numerical study of flow past a cylindrical body
21 p3511 N91-29497
Unsteady force calculations in turbomachinery
[AD-A237937] 21 p3514 N91-29515
Remote determination of soil moisture and evapotranspiration from thermal infrared measurements: Detection of a drying threshold
[PB91-195818] 21 p3535 N91-29641
On the application of edge wave theory to terrain-bounded cold surges: A numerical study
21 p3540 N91-29670
Adaptive liquid crystal TV based joint transform correlator as applied to real-time pattern recognition
[AD-A238576] 21 p3583 N91-29931
Oxides of nitrogen emissions from turbulent hydrocarbon/air jet diffusion flames
[PB91-184952] 22 p3648 N91-30304
Laser induced spark ignition of methane-oxygen mixtures
[NASA-CR-188689] 22 p3649 N91-30309
Synthesis of alkyl and aryl phosphazene high polymers
[AD-A229369] 22 p3653 N91-30329
Fast fracture and lifetime prediction of ceramic tubular components 22 p3653 N91-30334
In situ activation of carbon fiber microdisk electrodes
[AD-A229470] 22 p3666 N91-30411
Weakly nonlinear models for turbulent free shear flows
22 p3673 N91-30452
Backscattering by nonspherical particles, using the coupled-dipole method: An application in radar meteorology 22 p3706 N91-30628
A complexity theory of neural networks
[AD-A229432] 22 p3740 N91-30835
Catalyst dispersion and activity under conditions of temperature-staged liquefaction
[DE91-016602] 23 p3811 N91-31261
Supersonic mixing enhancement by vorticity for high-speed propulsion
[NASA-CR-188920] 24 p3950 N91-32079
An experimental study of fluctuating pressure loads beneath swept shock/boundary-layer interactions
[NASA-CR-188919] 24 p3950 N91-32080
Projects within the Center for Advanced Materials
[PB91-205716] 24 p3970 N91-32178
Nonlinear feedbacks between stratocumulus and synoptic-scale systems 24 p4059 N91-32674

PENNSYLVANIA UNIV., PHILADELPHIA.

Redundancy control of a robot manipulator using a systolic array processor 01 p0048 N91-10287

Reexamination of data from the asteroid/meteoroid detector
[NASA-CR-185875] 02 p0288 N91-11619
HEAO A-1 observations of x ray emitting clusters of galaxies 03 p0450 N91-12511
The correlation of transient crack growth under small-scale-creep conditions 11 p1719 N91-19467
Smart sensing and recognition based on models of neural networks
[AD-A230701] 12 p1967 N91-20825
On the massively parallel solution of the assignment problem
[AD-A230847] 13 p2139 N91-21775
Magnetic quasicrystals
[AD-A231264] 13 p2162 N91-21924
A study of the micromechanics of the fiber-matrix interphase in monofilament composites, in monotonic loading, and cyclic fatigue 15 p2392 N91-23241
Theoretical prediction of vibrational infrared frequencies of tertiary amines
[AD-A232880] 15 p2399 N91-23288
Software reverse engineering
[AD-A232644] 15 p2487 N91-23773
Image wavelet decomposition and applications
[NASA-CR-188217] 15 p2490 N91-23787
The Sudbury Neutrino Observatory project and the Kamiokande 2 project
[DE91-010641] 15 p2503 N91-23863
Elliptical polarimetry of the eclipsing serpentid binary stars SX Cassiopeiae and V367 Cygni 16 p2702 N91-24960
New developments in the synthesis and doping of polyacetylene and polyaniline
[AD-A233702] 18 p2945 N91-26244
Polyaniline: Synthesis and properties of pernigraniline
[AD-A233706] 18 p2945 N91-26245
Photoexcitation spectroscopy of pernigraniline
[AD-A233841] 18 p2945 N91-26250
Polyaniline: Allowed oxidation states
[AD-A233842] 18 p2946 N91-26251
Interaction of cationic polypeptides with electroactive polypyrrole/poly(styrenesulfonate) and poly(N-methylpyrrole)/poly(styrenesulfonate) films
[AD-A234469] 18 p2947 N91-26258
Synthesis, polymerization and thermal properties of a new acetylene-terminated Schiff base
[AD-A233806] 18 p2959 N91-26328
Thermal transitions and mechanical properties of the films of chemically prepared polyaniline
[AD-A233807] 18 p2959 N91-26329
Polyaniline: Pernigraniline, an isolable intermediate in the conventional chemical synthesis of emeraldine
[AD-A233840] 18 p2959 N91-26330
Light induced electron spin resonance in polyaniline
[AD-A233847] 18 p2959 N91-26331
X ray structure of polyanilines
[AD-A233848] 18 p2959 N91-26332
Thermal stabilities of polyanilines
[AD-A233849] 18 p2960 N91-26333
Electron localization in polyaniline and its derivatives
[AD-A233934] 18 p2960 N91-26335
Structure, order and the metallic state in polyaniline and its derivatives
[AD-A233935] 18 p2960 N91-26336
Impedance profiling: A convenient technique for determining the redox or protonic acid doping characteristics of conducting polymers
[AD-A233941] 18 p2960 N91-26337
Novel concepts in electronic polymers: Polyaniline and its derivatives
[AD-A234214] 18 p2960 N91-26339
Spectroscopy and photoexcitation spectroscopies of polyaniline: A model system for new phenomena
[AD-A234215] 18 p2961 N91-26340
Ring-torsional polarons in polyaniline and polyparaphenylene sulfide
[AD-A234384] 18 p2961 N91-26345
Polyaniline: Oriented films and fibers
[AD-A234414] 18 p2962 N91-26347
Plasticity of single crystalline Al3X intermetallic compounds
[AD-A234699] 18 p2963 N91-26356
Photoinduced absorption and erasable optical information storage in polyanilines
[AD-A234108] 18 p3076 N91-27002
Polyaniline: Inter-relationship between ultra-structure and properties
[AD-A236993] 19 p3143 N91-27370
Adaptive beamforming algorithms for high resolution microwave imaging, volume 1
[AD-A236648] 19 p3152 N91-27426
Atomistic studies of grain boundaries in alloys and compounds
[DE91-014516] 20 p3319 N91-28372
Chemistry of electronic ceramic materials. Proceedings of the International Conference on the Chemistry of Electronic Ceramic Materials
[NASA-CR-188688] 20 p3324 N91-28403
Mechanical design optimization of robot manipulator performance 20 p3356 N91-28589
A logic model for model management: An embedded languages approach 20 p3386 N91-28761
Structure and dynamics in low-dimensional guest host solids
[DE91-012169] 20 p3429 N91-29020
Generalized hypertext in a knowledge-based decision support shell environment 20 p3439 N91-29086
Catalytic hydrogenation of carbon monoxide
[DE91-015452] 21 p3477 N91-29283
A general purpose, comprehensive dynamics simulation of serial robot manipulators 21 p3526 N91-29587
Singularity avoidance and the kinematics of an eight-revolute-joint manipulator 21 p3526 N91-29588
Hardware Implementation of Neuron Nets and Synapses Workshop
[AD-A237704] 21 p3549 N91-29718
Design and hardware implementation of neural systems
[AD-A237703] 21 p3563 N91-29804
Application of microwave cavity perturbation techniques in conducting polymers
[AD-A239376] 23 p3820 N91-31310

PERA, MELTON MOWBRAY, LEICESTER (ENGLAND).
ADENG, adhesive bonding technology for engineering applications: Computer aided design
[CETIM-105070] 05 p0703 N91-13917

PERCEPTRONICS, INC., WOODLAND HILLS, CA.
Retrieval of knowledge through algorithmic decomposition
[AD-A225667] 04 p0561 N91-13112
Creating algorithms as an aid to judgment, part 2
[AD-A225698] 04 p0561 N91-13113
Arithmetic skills in using algorithms
[AD-A226272] 04 p0564 N91-13129

PERI, INC., PRINCETON, NJ.
Air traffic controller memory enhancement
[DOT/FAA/CT-TN90/38] 06 p0854 N91-14713

PERUGIA UNIV. (ITALY).
The 11th International Symposium on Gas Kinetics
[AD-A229885] 12 p1895 N91-20421

PETROZ N.L., PERTH (AUSTRALIA).
Palaeogeography of late Cambrian to early Ordovician sediments in the Amadeus Basin, central Australia 19 p3194 N91-27664
Oolitic and pisolitic ironstones in the early Ordovician (Arenig) of the Amadeus Basin, central Australia 19 p3195 N91-27667

PHASEX CORP., LAWRENCE, MA.
Supercritical fluid processing of propellant polymers
[AD-A234285] 18 p2961 N91-26341

PHILADELPHIA COLL. OF PHARMACY AND SCIENCE, PA.
High pulse-energy flashlamp-pumpable laser dyes
[AD-A233837] 18 p2988 N91-26499
Assessment of the pharmacodynamics of intranasal, intravenous and oral scopolamine 18 p3096 N91-27114

PHILIPS COMPONENTS, CAEN (FRANCE).
Reliability of microwave bipolar silicon transistors 24 p3992 N91-32305
Bipolar microwave transistor technology 24 p3995 N91-32324

PHILIPS DISPLAY COMPONENTS CO., ANN ARBOR, MI.
Chevron-notched, flexure tests for measuring the elevated temperature fracture resistance of structural ceramics
[DE91-009117] 15 p2404 N91-23310

PHILIPS GLOEILAMPENFABRIEKEN N.V., EINDHOVEN (NETHERLANDS).
Finding all minimal covers of a set using implicit enumeration
[CWI-CS-R9007] 07 p1057 N91-15807

PHILIPS INTERNATIONAL B.V., EINDHOVEN (NETHERLANDS).
Signal detection and interpretation in scanning optical microscopy
[ISBN-90-9002791-2] 03 p0418 N91-12340

PHILIPS LABS., INC., BRIARCLIFF MANOR, NY.
Design and fabrication of a long-life Stirling cycle cooler for space application. Phase 3: Prototype model
[PL-11-CR90-1116-PHASE-3] 14 p2281 N91-22614

PHILLIPS ENGINEERING CO., SAINT JOSEPH, MI.
Development of a high-efficiency, gas-fired, absorption heat pump for residential and small-commercial applications
[DE91-010442] 16 p2626 N91-24539

PHILLIPS LAB., EDWARDS AFB, CA.
The effects of space debris on solar propulsion
[AD-A235257] 18 p2936 N91-26192
Engine cycle analysis for a particle bed reactor nuclear rocket
[AD-A235258] 18 p2937 N91-26199
Parametric studies of dense plasma focus for fusion space propulsion with D-He3
[AD-A234578] 18 p3066 N91-26941
Absolute concentration measurements of free radicals in flames by absorption spectroscopy
[AD-A236032] 19 p3126 N91-27268

PHOTOMETRICS, INC., WOBURN, MA.
Photometric-photogrammetric analysis of video images of a venting of water from Space Shuttle Discovery
[AD-A233452] 16 p2565 N91-24219
Program to perform research on the density of the upper atmosphere using lidar techniques
[AD-A235549] 19 p3199 N91-27684
A program to operate and upgrade the GL low altitude lidar systems
[AD-A238081] 21 p3500 N91-29423
Scattering and polarization measurements using the PL/OPA low altitude lidar
[AD-A238082] 21 p3500 N91-29424

PHOTON ENERGY, INC., EL PASO, TX.
High-efficiency large-area CdTe panels
[DE91-002117] 08 p1170 N91-16443

PHOTON RESEARCH ASSOCIATES, INC., CAMBRIDGE, MA.
Control-Structure-Interaction (CSI) technologies and trends to future NASA missions
[NASA-CR-187471] 07 p0963 N91-15299
Control and structural optimization for maneuvering large spacecraft
[NASA-CR-187490] 17 p2741 N91-25168
Advanced optical sensing and processing technologies for the distributed control of large flexible spacecraft
[NASA-CR-4399] 23 p3874 N91-31609

PHYSICAL OPTICS CORP., TORRANCE, CA.
Holographic rugate structures for x ray optics applications
[DE90-017103] 01 p0045 N91-10270
Optical cache memory
[AD-A236794] 19 p3246 N91-27955
An optically activated modulator and GaAs-GaAlAs compound semiconductor channel waveguide
[AD-A238642] 21 p3599 N91-30023

PHYSICAL RESEARCH, INC., TORRANCE, CA.
Development of fiber-based laser anemometer for SSME application 16 p2584 N91-24322

PHYSICAL RESEARCH LAB., AHMEDABAD (INDIA).
Circumstellar dust in Vega-like stars: A detailed analysis of IRAS observations 10 p1622 N91-18951

PHYSICAL SCIENCES, INC., ANDOVER, MA.
Propulsion simulation for magnetically suspended wind tunnel models
[NASA-CR-182093] 02 p0182 N91-11027
Laser driven launch vehicles for continuous access to space 14 p2200 N91-22152
Vibrationally assisted transfer laser
[AD-A235479] 19 p3171 N91-27532
A survey of optical diagnostic methods for the study of fuel fouling
[AD-A237361] 21 p3581 N91-29920
Laser-based diagnostics for N2(X,v)
[AD-A229310] 22 p3681 N91-30495

PHYSICS AND ELECTRONICS LAB. TNO, THE HAGUE (NETHERLANDS).
Description of sea wave motion and its influence on the altitude control of sea skimming missiles
[FEL-89-A368] 05 p0622 N91-13450
Electronic scan at millimetre wave frequencies
[FEL-89-B258] 05 p0649 N91-13601
Measurement results of the FEL-TNO planar rectangular near field facility (1978-1989)
[FEL-89-B336] 05 p0649 N91-13602
BSB radar pulse classification
[FEL-90-B023] 05 p0649 N91-13603
Planar near-field measurement of non-reciprocal antennas
[FEL-90-B092] 05 p0649 N91-13604
Comparison of spectral estimators application to ground sensor signals
[FEL-1988-85] 05 p0649 N91-13605
Observation with stand-off radars
[FEL-90-A022] 05 p0650 N91-13606
Frequency-domain analysis of one-dimensional electromagnetic scattering by lossy media
[FEL-90-A112] 05 p0650 N91-13607
GaAs MMIC mixer for 8-12 GHz, based on 0.5 micrometer gate length D-MESFETS. Volume 1: Design and layout
[FEL-89-B277-VOL-1] 05 p0654 N91-13632

Design of an X-band PIN diode phase shifter by computer optimization
[FEL-89-B286] 05 p0654 N91-13633
Feasibility to study of a non-reciprocal latched ferrite phase shifter in the 92-96 GHz band
[FEL-90-B114] 05 p0654 N91-13634
A design method for an X-band diplexer
[FEL-90-B176] 05 p0654 N91-13635
Test procedure frequency multiplier 583R936H03/H04
[FEL-90-A089] 05 p0654 N91-13636
Quality of expert systems: Methods and techniques
[FEL-89-A267] 05 p0674 N91-13747
Quality of expert systems: Algorithms for integrity control
[FEL-89-A312] 05 p0674 N91-13748
Lidar as a slant path visio-ceilometer
[FEL-90-A207] 05 p0690 N91-13838
Study system concept for a pelotons procedure trainer (PEP-trainer) for the weapon systems YPR-PRAT, YPR-25 mm (EWS) and Leopard 1-5
[FEL-90-A084] 05 p0695 N91-13871
Definition study into the requirements of a data modem for the SYSCOM network
[FEL-90-A116] 05 p0699 N91-13892
Multispectral target detection using image processing programs developed on PC's
[FEL-89-B304] 05 p0704 N91-13925
Eurocom (D/1) data class 3 clock regeneration implementation
[FEL-90-A224] 07 p0995 N91-15461
Pre-study SAR processor for the ERS-1 data
[FEL-1989-B367] 07 p0995 N91-15462
Measuring low-PRF pulsed signals with a standard HP 8510B vector network analyzer within milliseconds
[FEL-90-B238] 07 p0995 N91-15463
First pulsed near-field measurement results
[FEL-90-B262] 07 p0995 N91-15464
Investigations into a pulsed heterodyne CO2-laser rangefinder
[FEL-90-A087] 07 p1008 N91-15537
Experimental set-up for a pulsed CO2 laser rangefinder with heterodyne detection
[FEL-90-A125] 08 p1156 N91-16365
Generation of high power 1.54 micrometer radiation by stimulated Raman scattering in methane
[FEL-90-B098] 08 p1156 N91-16366
Time-domain analysis of one-dimensional electromagnetic scattering by Lossy media
[FEL-90-A211] 15 p2412 N91-23358
SAR processor for the ERS-1 data phase 1, simple processor
[FEL-90-B033] 15 p2412 N91-23359
Calculation of near-field scattering using the plane-wave formulation and the physical optics method
[FEL-90-B215] 15 p2413 N91-23360
Calculation of electromagnetic fields in the near-field region of a moving scattering object
[FEL-90-B216] 15 p2413 N91-23361
Design of inherently wide-band microwave frequency doubler and tripler in microstrip
[FEL-90-B255] 15 p2418 N91-23392
Civil and military satellite communications: A systems overview and the future developments
[AD-A236441] 19 p3151 N91-27417
Validation of diffraction theory by means of extensive measurements, part 1
[AD-A236480] 19 p3151 N91-27418
Fast determination of the element excitation of an active phased array antenna
[AD-A236545] 19 p3152 N91-27422
Results of measurements performed on HF backscatter for evaluating the influence on short range HF data links
22 p3659 N91-30366
Detection of military objects using multi spectral image processing
[FEL-90-A196] 22 p3664 N91-30397
Some basic considerations concerning time-domain measurements with electromagnetic-field sensors
[FEL-90-A222] 22 p3664 N91-30398
Analysis of a twisting cassegrain antenna
[FEL-90-A299] 22 p3664 N91-30399
LATPET: A versatile computer program to analyse the performance of low angle tracker algorithms in a disturbed environment
[FEL-90-B345] 22 p3664 N91-30400
Obscurant measurements during BEST-TWO by means of MPTR
[FEL-90-A290] 22 p3703 N91-30612
Cloud base monitoring with LIDAR
[FEL-90-A315] 22 p3711 N91-30652
Low frequency projectors for sound under water
[FEL-90-A268] 22 p3751 N91-30909
Data fusion: A preliminary study
[FEL-90-B356] 22 p3767 N91-31003
Introduction to radar polarimetry
[FEL-91-B122] 23 p3855 N91-31496
OSI-security and relations with other security standards
[FEL-91-B099] 23 p3916 N91-31872
Information security: Past, present and future
[FEL-91-B100] 23 p3916 N91-31873
CARPET: A versatile program for radar performance analysis
[FEL-91-B002] 24 p3983 N91-32246
Design and evaluation of a GaAs MMIC X-band active RC quadrature power divider
[FEL-91-A076] 24 p4006 N91-32396
Refinement of a pulsed CO2-laser rangefinder with heterodyne detection
[FEL-90-A303] 24 p4022 N91-32477
WASP, the Weapon Analysis and Simulation Program
[FEL-90-A322] 24 p4084 N91-32813
Maximum likelihood estimation applied to target motion analysis using second order derivatives
[FEL-89-A193] 24 p4092 N91-32862

PHYSIKALISCH-TECHNISCHE STUDIEN G.M.B.H., FREIBURG (GERMANY, F.R.).
A combined test facility for space research and technology 07 p0960 N91-15288

PISA UNIV. (ITALY).
Short crack observations in Ti-6Al-4V under constant amplitude loading 02 p0224 N91-11250
Grains in galactic haloes 06 p0901 N91-14984
Metrics for roll response flying qualities
15 p2371 N91-23118

PITTSBURGH-DES MOINES STEEL CO., PA.
Boeing infrared sensor (BIRS) calibration facility
07 p0954 N91-15244

PITTSBURGH ENERGY TECHNOLOGY CENTER, PA.
On the viscosity of a mixture of particulate solids and a fluid continuum
[DE91-000940] 04 p0523 N91-12912
A review of interaction mechanisms in fluid-solid flows
[DE91-000941] 05 p0659 N91-13660
MHD contractors' review meeting
[DE91-011295] 18 p3067 N91-26945
A review of theories for flowing granular materials with applications to fluidized beds and solids transport
[DE91-013111] 20 p3343 N91-28514
Steady flow of a fluid-solid mixture between parallel plates
[DE91-013114] 21 p3510 N91-29491
Modification of the 'TEACH' computer code for use in a study of swirling turbulent flows
[DE91-010492] 21 p3511 N91-29496

PITTSBURGH UNIV., PA.
Dissociative adsorption of PH3 on Si(111)-(7x7). A high resolution electron energy loss spectroscopy study
[AD-A225313] 03 p0339 N91-11900
Kinetics of organophosphate reactions
[AD-A225269] 03 p0388 N91-12161
Qualitative reasoning: How we think our way through the day
[AD-A225646] 03 p0397 N91-12204
Adaptive search through constraint violations
[AD-A225553] 03 p0413 N91-12313
H-induced surface restructuring on Si(100): Formation of higher hydrides
[AD-A225499] 04 p0500 N91-12778
The physics of pattern formation at liquid interfaces
[DE91-000856] 04 p0502 N91-12788
Controlling search dynamics by manipulating energy landscapes
[AD-A225719] 04 p0553 N91-13068
Phonological rule induction: An architectural solution
[AD-A225797] 04 p0562 N91-13117
Problem-solving transfer among programming languages
[AD-A225798] 04 p0562 N91-13118
Goal reconstruction: How teton blends situated action and planned action
[AD-A225578] 04 p0569 N91-13159
Modelling human cognitive development with explanation-based learning in SOAR
[AD-A225612] 04 p0569 N91-13160
Switch: A simulation of representational change in the mutilated checkerboard problem
[AD-A225720] 04 p0570 N91-13162
Learning the structure of event sequences
[AD-A225722] 04 p0570 N91-13163
A connectionist model of attentional enhancement and signal buffering
[AD-A225799] 04 p0570 N91-13165
The mathematical bases for qualitative reasoning
[AD-A225718] 04 p0572 N91-13178
The mechanism of restructuring in geometry
[AD-A224740] 05 p0709 N91-13951
Strategic utilization of information resources: A contingency approach 06 p0885 N91-14891
On the control of automatic processes: A parallel distributed processing account of the Stroop effect
[AD-A225617] 07 p1054 N91-15790
Explanation-based learning of correctness: Towards a model of the self-explanation effect
[AD-A225644] 07 p1054 N91-15791
Two pseudo-students: Applications of machine learning to formative evaluation
[AD-A225645] 07 p1054 N91-15792
The oxidation behavior of carbon-carbon composites and their coatings 08 p1106 N91-16074
The content of physics self-explanations
[AD-A229737] 12 p1974 N91-20860
A novel process for methanol synthesis
[DE91-009808] 15 p2408 N91-23334
Flow between eccentric rotating cylinders
15 p2422 N91-23417
Organization of the human circadian system
[AD-A233026] 16 p2663 N91-24733
Coincident pulse techniques for hybrid electronic optical computer systems
[AD-A233195] 16 p2689 N91-24887
Europa's phase curve: Implications for surface structure 17 p2916 N91-26098
Far- and mid-infrared properties of metal-insulator composite materials
[AD-A234264] 18 p2940 N91-26219
Adsorption and decomposition of acetylene on Si(100)-(2x1)
[AD-A233808] 18 p2945 N91-26248
Adsorption and thermal behavior of ethylene on Si(100)-(2x1)
[AD-A234098] 18 p2946 N91-26252
The stepwise dissociation of NH3 on the Si(111)-(7x7) surface: Low temperature dissociative adsorption and thermal effects
[AD-A235009] 18 p2949 N91-26274
Surface chemistry of silicon: The behavior of dangling bonds
[AD-A235011] 18 p2949 N91-26275
The synthesis of methanol by a novel method
[DE91-011131] 18 p2952 N91-26291
On the sensitivity of solutions of parametrized equations
[AD-A234265] 18 p3050 N91-26838
NFEARS: A nonlinear adaptive finite element solver. Part 2: User's manual
[AD-A234416] 18 p3050 N91-26842
Intellectual property protection for software
[AD-A236125] 19 p3228 N91-27844
A geometric treatment of implicit differential-algebraic equations
[AD-A236991] 19 p3237 N91-27900
Support materials for formal specification of software
[AD-A236121] 20 p3383 N91-28742
The physics of pattern formation at liquid interfaces
[DE91-014529] 21 p3512 N91-29504
Environmental effects in niobium base alloys and other selected intermetallic compounds
[AD-A237535] 21 p3538 N91-29658
Computational methods for bifurcation problems with symmetries on the manifold
[AD-A237146] 21 p3565 N91-29817
Atomic hydrogen driven halogen extraction from Si(100): Eley-Rideal surface kinetics
[AD-A239544] 23 p3812 N91-31266
Quick development microcomputer system: Training automatic components for electronic troubleshooting
[AD-A239573] 23 p3863 N91-31542

PLANETARY SCIENCE INST., TUCSON, AZ.
A spectral difference between silicates in Comet Halley and interstellar silicates 06 p0906 N91-15002
Formation of planetesimals 14 p2345 N91-22967
Near-Earth asteroids: Observer alert network and database analysis 16 p2597 N91-24390
Development of the data base for near-Earth resources 17 p2750 N91-25217
Preliminary analysis of surface characteristics of Comet Tempel 2 17 p2750 N91-25220

PLANNING RESEARCH CORP., EDWARDS, CA.
Predicted thermal response of a cryogenic fuel tank exposed to simulated aerodynamic heating profiles with different cryogens and fill levels
[NASA-CR-4395] 23 p3851 N91-31470

PLANNING SYSTEMS, INC., MCLEAN, VA.
Progress with neural network gulf streams
[AD-A233810] 18 p3017 N91-26658

PLANNING SYSTEMS, INC., SLIDELL, LA.
Scattering of sound by atmospheric turbulence predictions in a refractive shadow zone
08 p1218 N91-16703

PLANS DU TRANSPORT AERIEN MILITAIRE, VELIZY-VILLACOUBLAY (FRANCE).
Lessons drawn from France's recent operational experiences regarding the design of military transport aircraft 10 p1464 N91-18071

PLANUNGSBUERO LUFTRAUMNUTZER, FRANKFURT (GERMANY, F.R.).
The European flight safety crisis: Costs and solution
[ETN-91-98490] 08 p1093 N91-16000
PLESSCOR OPTRONICS, INC., CHATSWORTH, CA.
Quantum well laser
[AD-A227303] 06 p0831 N91-14594
PLESSEY RESEARCH (CASWELL) LTD., TOWCESTER (ENGLAND).
An evaluation programme for the capability approval of GaAs MMICs 24 p3992 N91-32303
High performance packages for space applications 24 p3993 N91-32311
High performance packages for space applications: Review of packaging and assembly methods for long wavelength laser diodes 24 p3994 N91-32318
Effects of design on total dose characteristics of ASIC technologies 24 p3996 N91-32333
Component field failure data base 24 p4003 N91-32380
POD ASSOCIATES, INC., ALBUQUERQUE, NM.
LDEF data correlation to existing NASA debris environment models 16 p2712 N91-25011
POGUE (WILLIAM), SPRINGDALE, AR.
Past experience Skylab mission 07 p1078 N91-15932
POHANG INST. OF SCIENCE AND TECHNOLOGY (REPUBLIC OF KOREA).
Theoretical studies of nonlinear sheath dynamics 20 p3409 N91-28896
POITIERS UNIV. (FRANCE).
Automatic analysis of visualization negatives
[ETN-91-99971] 23 p3873 N91-31603
POLATOMIC, INC., RICHARDSON, TX.
Metal thin-film optical polarizers for space applications, phase 2
[NASA-CR-188202] 15 p2507 N91-23891
POLISH ACADEMY OF SCIENCES, TORUN.
Continuous infrared emission of proto- and young-planetary nebulae 06 p0911 N91-15030
POLISH ACADEMY OF SCIENCES, WARSAW.
Plasma waves as a signature of flux transfer events 01 p0071 N91-10427
Deterministic and stochastic sensitivity in computational structural mechanics
[ISSN-0208-5658] 13 p2102 N91-21571
POLITECNICO DI MILANO (ITALY).
Tabu-search and simulated annealing for the quadratic assignment problem
[REPT-89-028] 01 p0113 N91-10658
An object-oriented logic language for modular system specification
[REPT-90-027] 05 p0704 N91-13927
On the invertibility of Leslie systems
[REPT-90-006] 05 p0710 N91-13963
SAR interferometry can give 1 meter altitude resolution 07 p0992 N91-15446
Interference from rain: Computation of the scattering cross section
[REPT-90-028] 07 p0995 N91-15458
Focusing SAR data with time-varying Doppler centroid
[REPT-90-033] 10 p1514 N91-18334
Blind deconvolution for Doppler centroid estimation in high frequencies SAR
[REPT-90-034] 10 p1514 N91-18335
Seismic migration for SAR focusing: Interferometrical applications
[REPT-90-036] 10 p1514 N91-18336
Limits to the resolution of elevation maps from stereo SAR images
[REPT-90-035] 10 p1538 N91-18467
Propagation of seismic waves in nonelastic media
[REPT-90-065] 15 p2463 N91-23651
Designing logic controllers with Petri nets
[REPT-90-029] 15 p2483 N91-23747
An incremental approach to logic controllers design with Petri nets
[REPT-90-030] 15 p2483 N91-23748
On the initialization problem in the design of structurally constrained digital regulators
[REPT-90-039] 15 p2484 N91-23749
Timed high-level nets
[REPT-90-050] 15 p2484 N91-23750
Realization of a randomized algorithm for the exact perfect matching problem, with a new constructive procedure
[REPT-90-056] 15 p2484 N91-23751
On the use of genetic algorithms to solve the time-table problem
[REPT-90-060] 15 p2484 N91-23752
Identification of model structure via qualitative simulation
[REPT-90-040] 16 p2667 N91-24755
A CAD system to design logic controllers
[REPT-90-042] 16 p2667 N91-24756
Design landing loads evaluation by dynamic simulation of flexible aircraft 20 p3285 N91-28163
A new timed Petri net model for hardware representation
[REPT-90-064] 22 p3730 N91-30768
MML language analysis
[REPT-91-003] 22 p3731 N91-30769
Max-linear combinatorial optimization
[REPT-91-005] 22 p3731 N91-30770
Translating evolution strategies in GA terms
[REPT-91-007] 22 p3731 N91-30771
A modular methodology to design logic controllers with Petri nets
[REPT-91-008] 22 p3731 N91-30772
Knowledge base approach to the synthesis of human figure motion in computer animation
[REPT-91-009] 22 p3731 N91-30773
CONSTRICTOR: A language for constraint satisfaction
[REPT-91-010] 22 p3731 N91-30774
Sets and constraints in an object-oriented data model
[REPT-91-11] 22 p3731 N91-30775
Constructing an exact parity base IS in RNC(sup 2)
[REPT-91-022] 22 p3737 N91-30816
Stabilization of workload distribution in soft real-time distributed systems
[REPT-91-024] 22 p3737 N91-30817
Efficient use of the 3N code for concurrent error detection in parallel multipliers
[REPT-90-044] 22 p3738 N91-30821
ALECSYS: A parallel laboratory for learning classifier systems
[REPT-91-004] 22 p3738 N91-30822
On the output control of multirate systems subject to arbitrary exogenous signals
[REPT-91-006] 22 p3742 N91-30847
Weighted k-cardinality trees
[REPT-91-023] 22 p3745 N91-30868
Dynamic simulation of robots interacting with stiff contact surfaces
[REPT-90-052] 22 p3745 N91-30871
Recursive estimation of time delay in sampled systems
[REPT-90-046] 22 p3747 N91-30887
Efficient retrieval of class extensions in object-oriented databases
[REPT-91-019] 22 p3767 N91-31001
Concurrency in deductive object-oriented databases
[REPT-91-020] 22 p3767 N91-31002
Liquid phase sintering (TEXUS 8)
23 p3846 N91-31443
On the application of temporal logic in real time to specify telecommunication protocols
[REPT-90-071] 23 p3913 N91-31846
The problem of network management: An approach using AI techniques
[REPT-90-072] 23 p3918 N91-31884
The design of an Integrity Consistency Checker (ICC) for an object oriented database system
[REPT-91-021] 23 p3936 N91-31994
Hypertext development using a model-based approach
[REPT-90-074] 23 p3936 N91-31995
POLITECNICO DI TORINO (ITALY).
Buckling of laminated cylindrical plates including effects of shear deformation 03 p0333 N91-11866
Inverse methods for 3D internal flows 10 p1459 N91-18043
Recent developments of Loran-C in Europe 17 p2858 N91-25805
Applications of signal processing in digital communications
[AD-A236740] 19 p3153 N91-27428
POLYTECHNIC INST. OF NEW YORK, BROOKLYN.
In situ fault detection by the hybrid ray mode method
[AD-A224735] 03 p0374 N91-12097
Development of a computer technique for the prediction of transport aircraft flight profile sonic boom signatures
[NASA-CR-188117] 14 p2189 N91-22093
POLYTECHNIC INST. OF NEW YORK, FARMINGDALE.
Experimental investigation of scattering of magnetostatic waves by surface acoustic waves
[DE91-009435] 13 p2148 N91-21835
Millimeter wave generation by relativistic electron beams and microwave-plasma interaction
[AD-A231924] 14 p2328 N91-22861
POLYTECHNIC UNIV., BROOKLYN, NY.
The influence of the uplink noise on the performance of satellite data transmission systems 03 p0355 N91-11986
Novel schemes for electromagnetic launchers
[AD-A235974] 19 p3108 N91-27173
Scanning tunneling microspectroscopy of solids and surfaces
[DE91-014515] 20 p3433 N91-29043
POLYTECHNIC UNIV., FARMINGDALE, NY.
A theoretical model for the temporal evolution of HF-enhanced plasma lines 10 p1548 N91-18518
On the feasibility of microwave produced Bragg reflector: Examined by the chamber experiment 10 p1550 N91-18528
Experiment and theoretical study of the propagation of high power microwave pulse in air breakdown environment
[NASA-CR-188068] 12 p1884 N91-20360
Nonequilibrium effects in ion and electron transport
[AD-A229961] 12 p1976 N91-20869
PORTLAND STATE UNIV., OR.
Optimization and thermodynamic performance measures for a class of finite time thermodynamic cycles 20 p3435 N91-29060
POTOMAC PHOTONICS, INC., LANHAM, MD.
Quasi-CW excimer laser, phase 2
[AD-A234771] 18 p2990 N91-26509
PRAGUE OBSERVATORY (CZECHOSLOVAKIA).
Laboratory investigation of electric charging of dust particles by electrons, ions, and UV radiation 06 p0899 N91-14971
PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLL., TX.
Replenishable food supply on Mars 10 p1479 N91-18149
Design of a lunar oxygen production plant 18 p3096 N91-27109
Mars surface based factory. Phase 2, task 1C: Computer control of a water treatment system to support a space colony on Mars 19 p3274 N91-28110
Forced convection and flow boiling with and without enhancement devices for top-side-heated horizontal channels 19 p3274 N91-28113
Subcooled freon-11 flow boiling in top-heated finned coolant channels with and without a twisted tape 19 p3275 N91-28116
PRATT AND WHITNEY AIRCRAFT, EAST HARTFORD, CT.
BEST3D user's manual: Boundary Element Solution Technology, 3-Dimensional Version 3.0
[NASA-CR-185298] 12 p1915 N91-20538
Application of cyclic damage accumulation life prediction model to high temperature components 16 p2582 N91-24309
Effects of rotation on coolant passage heat transfer. Volume 1: Coolant passages with smooth walls
[NASA-CR-4396-VOL-1] 22 p3679 N91-30489
PRATT AND WHITNEY AIRCRAFT, WEST PALM BEACH, FL.
RL10 ignition limits test for Shuttle Centaur
[NASA-CR-183199] 02 p0187 N91-11049
All Shuttle Centaur engine and nozzle support plug vibration testing
[NASA-CR-183201] 05 p0629 N91-13485
RL10A-3-3B high mixture ratio qualification program
[NASA-CR-183200] 05 p0629 N91-13486
Shuttle Centaur engine cooldown evaluation and effects of expanded inlets on start transient
[NASA-CR-183198] 05 p0629 N91-13487
Fatigue and fracture of titanium aluminides
[AD-A226737] 07 p0979 N91-15374
Geometric modeling application interface program
[AD-A227826] 07 p1049 N91-15759
Geometric modeling applications interface program: System translator user's manual
[AD-A228151] 07 p1052 N91-15777
Geometric modeling applications interface program
[AD-A227651] 08 p1199 N91-16591
Geometric modeling application interface program. System components operator's manual
[AD-A227827] 08 p1200 N91-16594
Geometric modeling applications interface program, volume 3
[AD-A228061] 09 p1380 N91-17586
Large liquid rocket engine transient performance simulation system
[NASA-CR-184099] 13 p2042 N91-21232
Advanced expander test bed program
[NASA-CR-187082] 13 p2043 N91-21234
Advanced Launch System advanced development oxidizer turbopump program: Technical implementation plan
[NASA-CR-183729] 16 p2587 N91-24339
Large liquid rocket engine transient performance simulation system
[NASA-CR-183780] 16 p2587 N91-24340
Coolant side heat transfer with rotation. Task 3 report: Application of computational fluid dynamics
[NASA-CR-182109] 16 p2628 N91-24551
Coolant side heat transfer with rotation: User manual for 3D-TEACH with rotation
[NASA-CR-180886] 16 p2628 N91-24552
Validation of CFD codes for inlet flows 17 p2773 N91-25346
Fiber coating by sputtering for high temperature composites
[AD-A234994] 18 p2941 N91-26226

Advanced expander test bed program. Preliminary design review report, 27 April 1990 - 31 January 1991
[NASA-CR-187081] 19 p3114 N91-27205
Cryogenic upper stage propulsion: RL10 and derivative engines 20 p3292 N91-28202
Business not as usual 20 p3301 N91-28266
Lightweight disk alloy development
[AD-A237064] 21 p3481 N91-29309
Control system design considerations for starting turbo-engines during cold weather operation
23 p3793 N91-31155

PRATT AND WHITNEY AIRCRAFT OF CANADA LTD., LONGUEUIL (QUEBEC).
Capacitive bridge-type probe and conversion circuitry
[PATENT-1-263-444] 23 p3872 N91-31598
Capacitive bridge-type probe and conversion circuitry
[PATENT-1-263-443] 23 p3872 N91-31599

PRATT AND WHITNEY AIRCRAFT OF CANADA LTD., MISSISSAUGA (ONTARIO).
Cold weather ignition characteristics of advanced small gas turbine combustion systems
23 p3792 N91-31152
Cold start development of modern small gas turbine engines at Pratt and Whitney Aircraft of Canada Ltd.
23 p3793 N91-31156

PRC ENVIRONMENTAL MANAGEMENT, INC., CHICAGO, IL.
Ultrox international ultraviolet radiation/oxidation technology: Applications analysis report
[PB91-129759] 17 p2806 N91-25512

PRC SYSTEMS SERVICES CO., EDWARDS, CA.
Autonomous aircraft initiative study
[NASA-CR-186013] 18 p2925 N91-26140

PRINCETON SCIENTIFIC INSTRUMENTS, MONMOUTH JUNCTION, NJ.
Remote sensing in the ultraviolet
[AD-A224254] 02 p0227 N91-11268

PRINCETON UNIV., NJ.
Signal detection in non-Gaussian and non-white noise
01 p0034 N91-10200
The stationary wave response to tropical and midlatitude SST anomalies 01 p0092 N91-10536
Nonoverlapping composite meshes for multi-element air-foils 02 p0156 N91-10908
An expert system for wind shear avoidance
03 p0305 N91-11698
The first three microseconds: Cosmic strings, axions and magnetic fields 03 p0436 N91-12439
Investigation of supersonic boundary layer transition and turbulent structure
[AD-A225996] 04 p0471 N91-12637
Theory of premixed flame propagation in large-scale turbulence 04 p0500 N91-12774
Solution of the Euler equations in multibody flow fields using the overlapping-mesh method
04 p0521 N91-12902
Soft x ray laser development
[AD-A226071] 04 p0529 N91-12932
BATBook: An outline book and problem solving environment for the study of skill acquisition
[AD-A225699] 04 p0561 N91-13114
Physical properties of thermosetting polymers
[AD-A225864] 05 p0633 N91-13508
The fluid mechanics of continuous flow electrophoresis
[NASA-CR-187647] 05 p0657 N91-13648
Intergalactic HI in the NGC5018 group
05 p0736 N91-14110
Far-infrared emission from dusty ellipticals
05 p0743 N91-14142
Imaging spectrophotometry of the nuclear outflow of NGC 1068 05 p0744 N91-14149
Photovoltaic quantum well infrared photodetectors
06 p0795 N91-14393
Bioreactivity: Studies on a simple brain stem reflex in behaving animals
[AD-A226823] 06 p0852 N91-14704
Pedagogical strategies for human and computer tutoring
[AD-A226686] 06 p0860 N91-14750
Experimental and theoretical studies of ignition and combustion of boron particles in wet and dry atmospheres 07 p0974 N91-15346
Near/far resistant receivers for DS/SSMA communications
[AD-A228147] 08 p1128 N91-16200
Analysis and application of the discrete vortex method
08 p1142 N91-16290
Technique for determining the static polarizabilities of refractory metal atoms
[DE90-017088] 08 p1221 N91-16724
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
Far-infared laser spectroscopy of two dimensional holes in strained-layer heterostructure and superlattices
[DE91-000027] 08 p1235 N91-16805
Numerical studies of the structure of turbulent shear flow
[AD-A228747] 09 p1332 N91-17318
The computation of resistive MHD instabilities in axisymmetric toroidal plasmas 09 p1400 N91-17709
Circular limiter H-mode plasmas in the Tokamak Fusion Test Reactor (TFTR)
[DE91-005850] 09 p1406 N91-17739
The controlled retrieval of a tethered satellite
10 p1485 N91-18183
On the well-posedness of the initial value problem in elasto-plastodynamics 10 p1534 N91-18444
Tilted Rossby-wave critical layers in stratified atmospheres 10 p1545 N91-18504
Development and application of photosensitive device systems to studies of biological and organic materials
[DE91-005130] 10 p1558 N91-18568
Kinetic microinstability transport properties in tokamaks 10 p1597 N91-18810
Review of measured density fluctuation properties in tokamaks at PPPL and future plans
10 p1598 N91-18814
Diagonal and off-diagonal anomalous transport coefficients in tokamaks 10 p1598 N91-18818
Gyrokinetic particle simulation of ion temperature gradient drift instabilities 10 p1600 N91-18824
Investigation of air transportation technology at Princeton University, 1989-1990
11 p1638 N91-19033
Progress on intelligent guidance and control for wind shear encounter 11 p1638 N91-19034
Flight simulation for wind shear encounter
11 p1638 N91-19035
Stochastic robustness: Towards a comprehensive robustness tool 11 p1638 N91-19036
Neural networks in nonlinear aircraft control
11 p1639 N91-19037
Stochastic satbility and performance robustness of linear multivariable systems 11 p1639 N91-19038
System identification for nonlinear control using neural networks 11 p1639 N91-19039
Comprehensive mechanisms for combustion chemistry: An experimental and numerical study with emphasis on applied sensitivity analysis
[DE91-008030] 11 p1681 N91-19262
The physics of laser polarized muonic atoms
[DE91-008045] 11 p1794 N91-19845
Surface chemistry at semiconductor-electrolyte interfaces
[DE91-005915] 11 p1806 N91-19920
Dynamic rate dependent elastoplastic damage modeling of concrete subject to blast loading: Formulation and computational aspects
[AD-A229964] 12 p1913 N91-20520
Quantitative knowledge acquisition for expert systems
12 p1943 N91-20692
Quickest detection procedures and transient signal detection
[AD-A230068] 12 p1972 N91-20851
Models of planetary wave propagation in the middle atmosphere 15 p2461 N91-23639
Mechanisms of equatorial superrotation: Studies with two-level models 15 p2462 N91-23642
Molecular dynamics simulator for optimal control of molecular motion
[AD-A232801] 15 p2505 N91-23881
Low-frequency variability and the instability of zonally varying atmospheric flows 16 p2656 N91-24694
Seasonal and interannual variability in the tropical Pacific Ocean 16 p2658 N91-24708
Knowledge acquisition for expert systems using statistical methods 17 p2732 N91-25129
Research on combustion processes associated with natural gas used as an internal combustion engine fuel
[PB91-161240] 17 p2758 N91-25266
Acceleration insensitive resonators
[AD-A235400] 18 p2980 N91-26458
H-infinity-optimal control for distributed parameter systems
[AD-A234931] 18 p3049 N91-26833
Damage mechanics of composite materials: Constitutive modeling and computational algorithms
[AD-A236696] 19 p3120 N91-27239
Stochastic robustness of linear multivariable control systems: Towards comprehensive robustness analysis
20 p3286 N91-28172
Atmospheric responses to lower tropospheric forcing in a multilayer isentropic model
20 p3373 N91-28688
The theory of turbulence and anomalous transport in plasmas: Past, present, and future
20 p3407 N91-28889
Three-dimensional particle simulation of trapped electron instabilities in tokamaks
20 p3408 N91-28891
Propagation of drift waves in toroidal plasma systems
20 p3416 N91-28939
Statistical mechanics using symbolic dynamics
20 p3416 N91-28940
Gravitational evolution of large-scale structure in the universe 20 p3445 N91-29121
Population synthesis models for cluster galaxies at redshifts of 0.4 to 0.55 20 p3446 N91-29124
Interaction of radiation with outflows in late-type stars
20 p3448 N91-29136
Analog computation in neural systems: Architectures and complexity
[AD-A237856] 21 p3560 N91-29785
Combining CL (Confidence Limits) and PL (Partial Limits) displays
[AD-A238507] 21 p3567 N91-29830
Scrawl strips, and letter or B-letter strips: Depicting marginals of scatter plots
[AD-A238556] 21 p3569 N91-29845
An analytically linearized helicopter model with improved modeling accuracy
[NASA-CR-188715] 22 p3618 N91-30126
An observational study of tropical summertime synoptic scale disturbances 22 p3709 N91-30641
M.S.L.A.P. Modular Spectral Line Analysis Program documentation
[NASA-CR-188713] 22 p3726 N91-30738
Hydrodynamic simulations of cosmology
23 p3939 N91-32013

PRINCETON UNIV. OBSERVATORY, NJ.
Empirical relationships between gas abundances and UV selective extinction 05 p0737 N91-14116
Dissociation and ionization of molecular gas in the spiral arms of M51 05 p0755 N91-14205
Interpreting the convergence of Lyman series absorption lines 05 p0760 N91-14225
Grain mantles: The impact on grain evolution and selective extinction 06 p0897 N91-14960
Dynamics of the interstellar medium
09 p1431 N91-17877
Continua of B supergiants in the LMC
09 p1436 N91-17910

PRINS MAURITS LAB. TNO, RIJSWIJK (NETHERLANDS).
Theoretical and experimental performance of a solid fuel ramjet combustion cycle for hypersonic flight conditions
15 p2379 N91-23170
On the efficiency of rail accelerators
[PML-1990-64] 15 p2386 N91-23204
Criteria for confirmation of chemical warfare agents identification
[PML-1990-79] 22 p3648 N91-30306
How to create an instrumental database for verification: A view
[PML-1990-80] 22 p3767 N91-31004

PROFILE INFORMATION, SUNBURY-ON-THAMES (ENGLAND).
The economic aspects of developing and marketing full text databases 17 p2876 N91-25911

PROMETHEUS, INC., SHARON, MA.
New approaches to beamforming, null steering, and filtering
[AD-A225737] 04 p0514 N91-12858

PROUDMAN OCEANOGRAPHIC LAB., BIRKENHEAD (ENGLAND).
Current meter records. Site F: 52 degrees 37 minutes N, 03 degrees 46 minutes E. August 1988 - September 1989. North Sea project
[REPT-11-1990] 17 p2816 N91-25561
Current meter records. Site E: 52 degrees 43 minutes N, 02 degrees 25 minutes E. August 1988 - September 1989. North Sea project
[REPT-12-1990] 17 p2816 N91-25562
Current meter records. Site B: 55 degrees 30 minutes N, 05 degrees 31 minutes E. August 1988 - September 1989. North Sea project
[REPT-13-1990] 17 p2816 N91-25563
The heat balance of the North Sea
[REPT-8-1989] 22 p3713 N91-30665

PROVENCE UNIV., MARSEILLE (FRANCE).
Body proprioceptive references in weightlessness as studied by muscle tendon vibration
11 p1742 N91-19581

PSI TECHNOLOGY CO., ANDOVER, MA.
Oxygen production by pyrolysis of lunar regolith
17 p2903 N91-26033

PUERTO RICO UNIV., MAYAGUEZ.
Low level vapor verification of monomethyl hydrazine
11 p1825 N91-20032
Fatigue crack tip plastic strain range measurement studies in two titanium alloys
[AD-A234973] 18 p2999 N91-26565

PUERTO RICO UNIV., RIO PIEDRAS.
Habitability: CAMELOT 4 10 p1479 N91-18150
Effects of antimony substitution on bismuth based superconductors 10 p1626 N91-18968

Technique for assessing vegetation-induced moisture flux, with implications for global climate modeling
10 p1631 N91-18994
Phase transitions at liquid solid interfaces: Pade approximant for adsorption isotherms and voltammograms
[AD-A232623] 15 p2399 N91-23285
Structure of electrochemically deposited copper on gold (III) alloy
[AD-A232345] 15 p2402 N91-23303
The direct correlation function of a mixture of hard ions in the mean spherical approximation
[AD-A232452] 15 p2505 N91-23879
In-situ surface x ray scattering measurements of electrochemically deposited bismuth on silver (III): Structure, compressibility, and comparison with ex-situ leed measurements
[AD-A232624] 15 p2505 N91-23880
Surface x ray scattering measurements of the substrate induced spatial modulation of an incommensurate adsorbed monolayer
[AD-A232625] 15 p2518 N91-23959
The structure of electrochemical adsorbates
[AD-A232991] 16 p2598 N91-24395
Exact results for the structured liquid-solid interface
[AD-A232992] 16 p2598 N91-24396
Collision induced electronic quenching of aluminum monoxide
[AD-A236681] 19 p3127 N91-27276
A model for sequential first order phase transitions occurring in the underpotential deposition of metals
[AD-A235623] 19 p3134 N91-27316
The laser ablation of aluminum at 193, 248, and 351 nm
[AD-A237574] 21 p3523 N91-29569

PUERTO RICO UNIV., SAN JUAN.
Ecological applications of high resolution spectrometry
17 p2879 N91-25921

PULSE SCIENCES, INC., AGOURA HILLS, CA.
Development of the arc shattering concept of energy efficient comminution of hard materials, addendum
[DE91-014291] 22 p3749 N91-30899

PURDUE UNIV., WEST LAFAYETTE, IN.
Development and application of the time domain panel method 02 p0178 N91-11010
Three-dimensional full potential method for the aeroelastic modeling of propfans
03 p0300 N91-11672
Probabilistic modeling and optimal design of robotic manipulators 03 p0372 N91-12084
Parallel computational methods on structural mechanics analysis 03 p0378 N91-12111
A toluene model for hydrocarbon risk assessment
[AD-A225358] 03 p0388 N91-12163
Quenching-independent measurement of species concentrations in flames by laser-induced fluorescence
[DE91-000795] 04 p0502 N91-12787
Test and application of gravitational theories in astronomical systems 04 p0609 N91-13386
A quiet flow Ludwieg tube for study of transition in compressible boundary layers: Design and feasibility
[NASA-CR-187374] 05 p0661 N91-13676
On combining selection and estimation in the search for the largest binomial parameter
[AD-A226595] 05 p0709 N91-13953
Research as part of the Air Force Research in Aero-Propulsion Technology (AFRAPT) program
[AD-A226893] 06 p0785 N91-14350
Approximately integrable linear statistical models in non-parametric estimation
[AD-A227395] 06 p0868 N91-14798
The evaluation of long range consequences in decision making
[AD-A226949] 06 p0884 N91-14888
A method for classification of multisource data using interval-valued probabilities and its application to HIRIS data 07 p1024 N91-15622
Curvature computations on surfaces in N-space
[AD-A228000] 07 p1060 N91-15831
Propfan supersonic panel method analysis and flutter predictions 08 p1092 N91-15993
Applications of fuzzy theories to multi-objective system optimization
[NASA-CR-177573] 08 p1095 N91-16012
Aeroservoelastic tailoring for lateral control enhancement 08 p1098 N91-16025
Investigation of a new concept in semiconductor microwave oscillators
[AD-A226785] 08 p1133 N91-16235
Magsat investigations over the greater African region
08 p1165 N91-16415
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 08 p1184 N91-16513
Visualization of surfaces in four-dimensional space
[AD-A227858] 08 p1201 N91-16605
Aerodynamics of a linear oscillating cascade
09 p1273 N91-16997
Asynchronous optical sampling for laser-based combustion diagnostics in high-pressure flames
[AD-A229045] 09 p1310 N91-17188
Target motion compensation in synthetic aperture radar 09 p1323 N91-17267
A stochastic modeling approach to region- and edge-based image segmentation
09 p1328 N91-17298
Image segmentation using human visual system properties with applications in image compression
09 p1329 N91-17299
Effects of free stream turbulence on heat transfer
[AD-A228920] 09 p1333 N91-17319
Secondary flow and three-dimensional separation in curved circular ducts 09 p1334 N91-17329
Geometrically nonlinear random vibrations of structures 09 p1351 N91-17423
NASA applications project in Miami County, Indiana
[NASA-CR-187916] 09 p1354 N91-17438
Conversion methods between parametric and implicit curves and surfaces
[AD-A228715] 09 p1390 N91-17649
Design of a high speed business transport
10 p1482 N91-18169
The numerical determination of nominal libration point trajectories and development of a station-keeping strategy 10 p1484 N91-18178
Gas-liquid-liquid equilibria in mixtures of water, light gases, and hydrocarbons
[DE91-004168] 10 p1495 N91-18229
Control of second-order information for linear systems
10 p1535 N91-18448
Determining crop residue type and class using satellite acquired data
[NASA-CR-188961] 10 p1538 N91-18466
Modeling of dendritic solidification systems: Reassessment of the continuum momentum equation and application to solidification of a lead-tin alloy
[DE91-008228] 12 p1871 N91-20281
Production and characterization of high-energy hypervalent hydrides
[AD-A230094] 12 p1872 N91-20290
MISCON: The Midwest Superconductivity Consortium, part 1
[DE91-008266] 12 p1991 N91-20962
MISCON: The Midwest Superconductivity Consortium, part 2
[DE91-008267] 12 p1992 N91-20963
Optimal controllers for finite wordlength implementation 14 p2227 N91-22316
NASA applications project in Miami County, Indiana
[NASA-CR-188007] 14 p2280 N91-22608
Modeling, estimation, and pattern analysis of random texture on 3-D surfaces
[AD-A231849] 14 p2306 N91-22743
Formulation of boundary conditions for the multigrid acceleration of the Euler and Navier Stokes equations
[NASA-CR-188234] 15 p2426 N91-23440
Maintenance of short-term subtropical wind maxima in the Southern Hemisphere: Observational and modeling study 15 p2466 N91-23665
Statistical methods and neural network approaches for classification of data from multiple sources
[NASA-CR-188207] 15 p2490 N91-23786
A survey of decision tree classifier methodology
[NASA-CR-188208] 15 p2493 N91-23806
Topics in inference and decision-making with partial knowledge
[NASA-CR-188209] 15 p2495 N91-23821
A global-local structural analysis method
16 p2643 N91-24629
Hierarchical classification in high dimensional numerous class cases
[NASA-CR-188210] 16 p2667 N91-24754
A quiet flow Ludwieg tube for study of transition in compressible boundary layers: Design and feasibility
[NASA-CR-188499] 17 p2728 N91-25107
The role of global cloud climatologies in validating numerical models
[NASA-CR-188542] 17 p2813 N91-25549
The integrated manual and automatic control of complex flight systems
[NASA-CR-188664] 19 p3107 N91-27168
Vibration dynamics and control of bladed disk assemblies
[AD-A236287] 19 p3180 N91-27586
Regulation of photosynthetic membrane components in cyanobacteria
[DE91-012713] 20 p3378 N91-28713
Real-time adaptive active control of sound fields
20 p3395 N91-28819
Upper limits for the flux of very high-energy gamma radiation from Cygnus X-3 and for the explosion rate of primordial black holes obtained by the Haleakala Gamma Ray Observatory 20 p3448 N91-29134
Solvent-dependent redox thermodynamics of metal amine complexes. The delineation of specific solvation effects
[AD-A237503] 21 p3475 N91-29272
Cyclic voltammetric wave-shapes for microdisk electrodes: Coupled effects of solution resistance, double-layer capacitance, and finite electrochemical kinetics
[AD-A237505] 21 p3505 N91-29455
Polymer drag reduction of a zero pressure gradient boundary layer
[AD-A237572] 21 p3514 N91-29510
Finite element-based system identification from experimental modal analysis results
21 p3531 N91-29618
An exact algorithm for funding undirected Hamiltonian cycles based on a two-matching problem relaxation
[AD-A237241] 21 p3555 N91-29753
An exact two-matching based branch and bound algorithm for the symmetric traveling salesman problem
[AD-A237878] 21 p3566 N91-29823
The effects of donor-acceptor electronic interactions on the rates of gas-phase metallocene electron-exchange reactions
[AD-A237459] 21 p3574 N91-29878
Temperature dependence of proton electroreduction kinetics at gold(111) and (210) surfaces
[AD-A237460] 21 p3575 N91-29879
Solvent dynamical effects in electron transfer: The solvent inertial limit and the predicted influence of quantum effects
[AD-A237462] 21 p3575 N91-29880
Electron-transfer reactions at metal-solution interfaces: An introduction to some contemporary issues
[AD-A237506] 21 p3575 N91-29882
Comparisons between scanning tunneling microscopy and outer-sphere electron-transfer rates at Pt(111) surfaces coated with ordered iodine adlayers
[AD-A237507] 21 p3575 N91-29883
Atomic-resolution scanning tunneling microscopy and infrared spectroscopy as combined in-situ probes of electrochemical adlayer structure: Carbon monoxide on rhodium(111)
[AD-A237508] 21 p3575 N91-29884
Nonlinear optical interactions involving the real Gaussian field
[DE91-015052] 21 p3584 N91-29936
The influence of potential on metal-adsorbate structure: Solvent-independent nature of infrared spectra for Pt(111)/CO
[AD-A237509] 21 p3596 N91-30004
Surface approximations in geometric modeling
[AD-A229330] 22 p3743 N91-30855
Reliability study of uncertain structures using stochastic finite elements 22 p3744 N91-30859
Unstructured-grid methods development for unsteady aerodynamic and aeroelastic analyses
[NASA-TM-104143] 24 p3951 N91-32084
Measurement of interfacial area using four sensor probe in two phase flow
[DE91-017415] 24 p4018 N91-32466
Synoptic/planetary-scale interactions and blocking over the North Atlantic Ocean 24 p4062 N91-32692

Q

QATAR UNIV., DOHA.
The failure of components in power generation equipment
[NAE-LTR-ST-1774] 21 p3458 N91-29180

QUADRANT ENGINEERING, INC., AMHERST, MA.
Azimuthal resolution degradation due to ocean surface motion in focused arrays and SARS
[AD-A223315] 02 p0203 N91-11135
Fine scale measurements of microwave backscatter from the ocean surface
[AD-A229954] 12 p1926 N91-20601

QUAID-I-AZAM UNIV., ISLAMABAD (PAKISTAN).
Effect of transition metal dopants on high T(sub c) superconductivity
[PB91-130138] 15 p2514 N91-23934
Interaction of squeezed light with a two level atom
[PB91-130112] 16 p2682 N91-24848
Capture cross section measurements on deep levels in semiconductors
[PB91-130146] 16 p2693 N91-24910
The effect of impurities on high temperature bi-based superconductors
[PB91-130120] 16 p2693 N91-24911

QUALCOMM, INC., SAN DIEGO, CA.
Affordable tactical low altitude satellite technology task
[AD-A229997] 12 p1853 N91-20185
Research in mathematics and computer science: Calculation of the probability of undetected error for certain error detection codes, phase 2
[AD-A238234] 21 p3557 N91-29768

QUARTZ RESEARCH AND PRODUCTION ASSOCIATION, GORKY (USSR).
Design and industrial production of frequency standards in the USSR 17 p2852 N91-25769
Time and frequency measuring metrological equipment in the USSR 17 p2855 N91-25784
Performance of Soviet and US hydrogen masers 17 p2857 N91-25799

QUEBEC UNIV., VARENNES.
A study of electrolytes for lithium batteries
[INRS-NRG-326-RF] 22 p3669 N91-30428

QUEENS COLL., FLUSHING, NY.
Sensitivity of the oceanic turbulent boundary layer to cyclic insolation change with response periods of 23 to 2.5 Ky: An equatorial Atlantic record for the last 200 Ka 03 p0442 N91-12469

QUEENS UNIV., BELFAST (NORTHERN IRELAND).
IUE, optical and radio observations of high velocity gas components in the nearby interstellar medium 09 p1443 N91-17955
Ionization and neutralization processes
[AD-A230572] 12 p1876 N91-20308
Interstellar magnesium studies 20 p3445 N91-29120
Studies of laser-generated plasmas relevant to soft x-ray laser research 22 p3756 N91-30936

QUEENS UNIV., KINGSTON (ONTARIO).
The study of space communications spread spectrum systems. Part 1: Saw-based joint group demodulation of frequency shift keyed and differential phase shift keyed signals
[QU-90-1-PT-1] 21 p3495 N91-29395
A study of space communications spread-spectrum systems, phase 5 and 6. Part 2: Coding and modulation
[QU-90-2-PT-2] 21 p3496 N91-29396
The study of space communications spread spectrum systems. Part 3: Uplink synchronization in an EHF frequency-hopped satellite system
[QU-90-3-PT-3] 21 p3496 N91-29397

QUEENSLAND UNIV., BRISBANE (AUSTRALIA).
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 1
[PB91-177865] 19 p3166 N91-27507
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 2
[PB91-177873-PT2] 19 p3166 N91-27508
Measurements of fluctuating effects on a circular cylinder in a uniform flow at subcritical Reynolds number, part 3
[PB91-177881-PT-3] 19 p3166 N91-27509

QUEENSLAND UNIV., SAINT LUCIA (AUSTRALIA).
Shock tunnel studies of scramjet phenomena, supplement 5
[NASA-CR-182096-SUPPL-5] 05 p0657 N91-13651

QUEST INTEGRATED, INC., KENT, WA.
Abrasive-waterjet machining of isogrid structures
[AD-A234628] 18 p2972 N91-26405
Noncontact small-diameter-bore gauge
[AD-A235675] 19 p3167 N91-27513

QUESTECH, INC., FALLS CHURCH, VA.
Thermal control system for the investigation of specific absorption rates for specimens exposed to electromagnetic radiation
[AD-A231329] 15 p2430 N91-23459

R

R AND D ASSOCIATES, ALBUQUERQUE, NM.
TRIMIX: A vorticity-stream function approach to calculating three-dimensional mixing for viscous, parabolic flows
[AD-A225817] 04 p0522 N91-12904

R AND D ASSOCIATES, ALEXANDRIA, VA.
Modeling the dynamic Load/Unload behavior of ceramics under impact loading
[AD-A225999] 04 p0536 N91-12974
MPD thrust chamber flow dynamics
[AD-A227305] 07 p1069 N91-15880

R AND D ASSOCIATES, LOS ANGELES, CA.
Improved fits for the vibrational and rotational constants of many states of nitrogen and oxygen
[AD-A229996] 13 p2047 N91-21263
Impact of ionospheric scintillations on space-based surveillance radars
[AD-A237673] 21 p3499 N91-29417

RADEX, INC., BEDFORD, MA.
One-dimensional analysis of a radial source flow of water particles into a vacuum
[AD-A230729] 12 p1897 N91-20431
A parametric study of the release of CO2 in space
[AD-A236271] 19 p3108 N91-27172

RADIAN CORP., RESEARCH TRIANGLE PARK, NC.
Emissions and cost estimates for globally significant anthropogenic combustion sources of NOx, N2O, CH4, CO, and CO2
[PB90-216433] 03 p0387 N91-12157
Overview of climate information needs for ecological effects models
[PB91-125898] 11 p1736 N91-19549
Urban air toxics monitoring program, 1989
[PB91-148262] 17 p2806 N91-25513
Urban air toxic monitoring program Aldehyde results, 1989
[PB91-148288] 17 p2806 N91-25514
Global warming mitigation potential of three tree plantation scenarios
[PB91-159608] 17 p2809 N91-25528

RADIAN CORP., SACRAMENTO, CA.
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597

RAMAPO COLL. OF NEW JERSEY, MAHWAH.
Volatile compounds in shergottite and nakhlite meteorites 14 p2349 N91-22993

RAME-HART, INC., MOUNTAIN LAKES, NJ.
Contact angle determination procedure and detection of an invisible surface film 12 p1859 N91-20212

RAND CORP., SANTA MONICA, CA.
Impacts of advanced manufacturing technology on parametric estimating
[AD-A228232] 08 p1124 N91-16177
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
RAND database handling (DBH) system user guide
[AD-A230216] 12 p1997 N91-20992
The future of INTELSAT in a competitive environment
[AD-A231540] 14 p2233 N91-22355
First-strike stability and strategic defenses. Part 2: A methodology for evaluating strategic forces
[AD-A231524] 14 p2321 N91-22820
How low can an unmanned air vehicle fly?
[RAND-P-7680-RGS] 18 p2925 N91-26138
VHSIC electronics and the cost of Air Force avionics in the 1990s
[RAND-R-3843-AF] 18 p2926 N91-26143
The wild weasel development programs, one run, one hit, one error
[RAND-P-7661-RGS] 18 p2976 N91-26431
US access to space launch vehicle choices for 1990-2010
[AD-A236928] 19 p3109 N91-27176
Direct broadcast satellites: A competitive alternative to cable television?
[RAND-R-4047-MF/RL] 19 p3111 N91-27190
Suggested modifications to optical sensor algorithms in JANUS
[AD-A235592] 19 p3219 N91-27791
An analyst's primer for the RAND/ABEL trademark programming language
[AD-A236776] 19 p3231 N91-27859
RAND's Cartographic Analysis and Geographic Information System (RAND-CAGIS): A guide to system use
[RAND/N-3172-RC] 19 p3260 N91-28031

RANDOLPH-MACON COLL., ASHLAND, VA.
Electrochemical impedance spectroscopy of metal alloys in the space transportation system launch environment 11 p1824 N91-20025

RANGE COMMANDERS COUNCIL, WHITE SANDS MISSILE RANGE, NM.
Event count status code formats
[AD-A229009] 09 p1294 N91-17109
IRIG standard format for Global Positioning System (GPS) data for post-operation interrange exchange
[AD-A234932] 18 p2923 N91-26127
HORACE: Presentation-level protocol standard for digital transmission of monochrome television images
[AD-A235276] 18 p2975 N91-26428
Flight test digitized/compressed video spectrum allocation
[AD-A239535] 23 p3857 N91-31503
Spectrum monitoring procedures and techniques
[AD-A239567] 23 p3857 N91-31507
Range reference atmosphere, Fairbanks, Alaska
[AD-A239520] 23 p3895 N91-31739
Range reference atmosphere Wake Island, North Pacific
[AD-A239602] 23 p3895 N91-31740
Range reference atmosphere Shemya, Alaska
[AD-A239603] 23 p3895 N91-31741
Range reference atmosphere: Thule, Greenland
[AD-A239659] 23 p3895 N91-31742

RAUFOSS AMMUNISJONSFABRIKKER (NORWAY).
Oxide dispersion strengthened aluminium: Properties and use 03 p0332 N91-11858
Carbon fibre reinforced aluminium: Manufacturing and properties 03 p0332 N91-11859

RAUMA-REPOLA OY, TAMPERE (FINLAND).
Fatigue resistance of a cast component 07 p1017 N91-15586

RAYCHEM LTD., SWINDON (ENGLAND).
The performance of cable braids and terminations to lightning induced transients 24 p4048 N91-32611
Lightning protection of full authority digital electronic systems 24 p4053 N91-32643

RAYTHEON CO., LEXINGTON, MA.
MMIC compensation network for phased array element mismatch
[AD-A227437] 06 p0818 N91-14522
The 60 GHz solid state power amplifier
[NASA-CR-188669] 19 p3161 N91-27476

RAYTHEON CO., PATRICK AFB, FL.
Weak positive cloud-to-ground flashes in Northeastern Colorado 24 p4065 N91-32712

RAYTHEON CO., SUDBURY, MA.
Infrared laser radar systems 07 p0943 N91-15170

RDP, INC., WALTHAM, MA.
Visual photometric experiment data analysis
[AD-A231915] 14 p2267 N91-22544

READING UNIV. (ENGLAND).
The design of fibre-reinforced composite blades for passive and active wind turbine rotor aerodynamic control 04 p0543 N91-13011
Localised symmetric instability: An initial value problem 15 p2468 N91-23672
Exposure to space radiation of high-performance infrared multilayer filters 16 p2722 N91-25076
Coordination of mesoscale meteorological research between ASL and European groups
[AD-A233586] 18 p3014 N91-26639
Predicting performance breakdown in pilots through objective measures of stress sensitivity
[AD-A237540] 21 p3550 N91-29725
Predicting performance breakdown in pilots through objective measures of stress sensitivity
[AD-A238597] 21 p3551 N91-29731

REAL INST. Y OBSERVATORIO DE LA ARMADA, SAN FERNANDO (SPAIN).
Carlsberg Meridian catalogue La Palma. Number 4: Observations of positions of stars and planets: May 1984 to February 1988
[ISBN-84-7469-048-X] 03 p0435 N91-12434

REDSTONE SCIENTIFIC INFORMATION CENTER, REDSTONE ARSENAL, AL.
Bibliography on metrication
[AD-A224996] 04 p0513 N91-12848

REGULATORY INFORMATION SERVICE CENTER, WASHINGTON, DC.
Unified agenda of Federal regulations, October 1990
[PB91-120527] 13 p2171 N91-21984

REMOTE SENSING SYSTEMS, INC., SANTA ROSA, CA.
Deriving Earth science products from SSM/I 24 p4060 N91-32684

REMTECH, INC., HUNTSVILLE, AL.
External tank aerothermal design criteria verification, volume 1
[NASA-CR-183996] 02 p0185 N91-11037
External tank aerothermal design criteria verification, volume 2
[NASA-CR-183997] 02 p0185 N91-11038
Boundary layer simulator improvement
[NASA-CR-183660] 16 p2563 N91-24212
Aero/fluids database system
[NASA-CR-184208] 23 p3914 N91-31853

REMTECH, S.A., PARIS (FRANCE).
MEGASODAR experiment 16 p2555 N91-24169

RENSSELAER POLYTECHNIC INST., TROY, NY.
Analysis of pulsed laser-generated impulse in an advanced airbreathing thruster 01 p0011 N91-10062
An automated system for measuring the mass flowrate of powders in transport lines
[AD-A225560] 03 p0366 N91-12053
Design and synthesis of CVD precursors to thin film ceramic materials
[AD-A225759] 04 p0507 N91-12815
Mechanism of mechanical fatigue of silica glass
[DE91-004053] 05 p0642 N91-13565
Effect of interline heat flow parameter on contact line heat transfer
[AD-A226944] 06 p0826 N91-14566
Using infrared spectral features to probe circumstellar dust shells around cool stars 06 p0909 N91-15021

Cyclic (AlN)(sub n) compounds as precursors to aluminum nitride: Synthesis and structures of ((CH3)2AlNH2)3 and the planar species ((t-C4H9)2AlNH2)3
[AD-A226866] 07 p0985 N91-15404
Generating parallel and real-time systems from equational programming language specifications
[AD-A227632] 07 p1049 N91-15757
Theoretical aspects of electroweak and other interactions in medium energy physics
[DE91-004783] 07 p1065 N91-15857
Expressing user-defined parallelism in EPL (Equational Programming Language)
[AD-A227875] 08 p1201 N91-16606
Analysis of progressive damage in fibrous composite laminates 09 p1302 N91-17146
New non-linear optical polymers
[AD-A228746] 09 p1318 N91-17238
Investigations into a potential laser-NASP transport technology 10 p1480 N91-18151
Kinetic measurements on elementary fossil fuel combustion reactions over wide temperature ranges
[DE91-006815] 10 p1496 N91-18232
Microcomputer enhanced optical investigation of spreading and evaporative processes in ultra thin films
[DE91-005592] 10 p1608 N91-18875
The effect of process conditions on the performance of epitaxial InP solar cells 11 p1670 N91-19204
Aerobic production of ethanol
[PB91-119172] 13 p2057 N91-21324
Laser-boosted lightcraft technology demonstrator 14 p2201 N91-22156
Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853
Dispersion relations of density fluctuations observed by heavy ion beam probe in the TEXT tokamak
[DE91-010422] 14 p2328 N91-22866
Fundamental research on tribology
[AD-A232446] 15 p2440 N91-23519
A passivity based control methodology for flexible joint robots with application to a simplified shuttle RMS arm
[NASA-CR-188176] 16 p2634 N91-24582
Selected problems in micromechanics of fibrous composites 17 p2745 N91-25188
Characterization of carbon overcoats and other surface layers on tribological surfaces 17 p2761 N91-25285
Modeling of time-dependent mechanical deformation behaviors of metals and alloys using viscoplasticity theory based on overstress 17 p2789 N91-25432
Analysis and design of an ultra-high-temperature, hydrogen-fueled MHD generator as an open cycle power supply 17 p2865 N91-25844
Variations in magmatic processes among igneous asteroids 17 p2893 N91-25993
Transport processes and interfacial phenomena in an evaporating meniscus
[DE91-005561] 18 p2951 N91-26284
A program in the chemistry of electronic materials. Task 1: New organometallic precursors for the low pressure chemical vapor deposition of refractory materials for electronics
[AD-A234315] 18 p2961 N91-26342
Spread spectrum communications emulator design
[AD-A235403] 18 p2976 N91-26430
Improved modeling and performance of squeeze film damper bearings
[AD-A233694] 18 p2994 N91-26531
Numerical methods for singularly perturbed differential equations with applications
[AD-A235188] 18 p3052 N91-26850
A program in the chemistry of electronic materials
[AD-A235563] 19 p3157 N91-27451
Phylogenetic relationships among subsurface microorganisms
[DE91-009838] 19 p3206 N91-27723
Response and stability analysis of helicopter rotor blades using computerized symbolic manipulation
[AD-A238660] 21 p3457 N91-29175
Organometallic precursor routes to Si-C-Al-O-N ceramics
[AD-A237753] 21 p3488 N91-29355
An experimental study of plunging liquid jet induced air carryunder and dispersion
[AD-A237757] 21 p3514 N91-29511
Use of electrical impedance imaging in two-phase, gas-liquid flows
[DE91-015914] 21 p3517 N91-29531
Implementation of an exact penalty function formulation to solve convex nonlinear programming problems
[AD-A237905] 21 p3556 N91-29761
The influence of plastic-strain-induced anisotropy on stress distributions in the finite deformation of ductile metals 23 p3814 N91-31273
Inter-GEN: A hybrid approach to engineering design optimization 23 p3851 N91-31471
Modeling and simulation of multiple cooperating manipulators on a mobile platform 23 p3879 N91-31647
Static strain and vibration characteristics of a metal semimonocoque helicopter tail cone of moderate size
[NASA-CR-187576] 23 p3885 N91-31679
Matrix-dominated thermoviscoplasticity in fibrous metal-matrix composite materials 24 p3969 N91-32173
Nonlinear dynamic analysis of flexible multibody systems
[NASA-CR-187597] 24 p4030 N91-32519

RESEARCH AND DATA SYSTEMS, INC., GREENBELT, MD.

Using the boundary conditions of sunspots as a technique for monitoring solar luminosity variations 03 p0440 N91-12463
Analysis of error in TOMS total ozone as a function of orbit and attitude parameters
[NASA-CR-4361] 13 p2121 N91-21670
Preliminary results of investigations into the use of artificial neural networks for discriminating gas chromatograph mass spectra of remote samples 14 p2316 N91-22793

RESEARCH AND PRODUCTIVITY COUNCIL (NEW BRUNSWICK).

Fractography applied to polymeric materials, part 5
[DREA-CR-88-441-PT-5] 22 p3654 N91-30337

RESEARCH INST. FOR ADVANCED COMPUTER SCIENCE, MOFFETT FIELD, CA.

The integrated scheduling system: A case study in project management
[NASA-CR-187261] 01 p0134 N91-10793
Applied technology center business plan and market survey
[NASA-CR-187259] 01 p0134 N91-10794
Space market model space industry input-output model
[NASA-CR-187252] 01 p0134 N91-10795
Performance of a parallel code for the Euler equations on hypercube computers
[NASA-TM-102260] 02 p0249 N91-11384
Periodic-disturbance accommodating control of the space station for asymptotic momentum management
[NASA-CR-187264] 03 p0319 N91-11783
Space market model development project
[NASA-CR-187249] 03 p0426 N91-12385
Space and biotechnology: An industry profile
[NASA-CR-187034] 04 p0550 N91-13051
The mGA1.0: A common LISP implementation of a messy genetic algorithm
[NASA-CR-187260] 04 p0557 N91-13084
IDSE Version 1 User's Manual
[NASA-CR-187255] 04 p0557 N91-13085
An investigation of messy genetic algorithms
[NASA-CR-187268] 04 p0557 N91-13086
Software engineering and the role of Ada: Executive seminar
[NASA-CR-187266] 04 p0557 N91-13087
PC tools for project management: Programs and the state-of-the-practice
[NASA-CR-187392] 04 p0558 N91-13094
A study of System Interface Sets (SIS) for the host, target and integration environments of the Space Station Program (SSP)
[NASA-CR-187399] 04 p0558 N91-13096
A method for tailoring the information content of a software process model
[NASA-CR-187400] 04 p0559 N91-13097
The 28-entity IGES test file results using ComputerVision CADDS 4X
[NASA-CR-187402] 04 p0559 N91-13099
Recreation of the 28-entity IGES test file using the ComputerVision CADDS 4X
[NASA-CR-187403] 04 p0559 N91-13100
Evaluation of the Trajectory Operations Applications Software Task (TOAST). Volume 2: Interview transcripts
[NASA-CR-187406] 04 p0560 N91-13103
Evaluation of the Trajectory Operations Applications Software Task (TOAST)
[NASA-CR-187408] 04 p0560 N91-13104
An implementation and analysis of the Abstract Syntax Notation One and the basic encoding rules
[NASA-CR-187409] 04 p0560 N91-13105
AdaNET research plan
[NASA-CR-187262] 04 p0567 N91-13147
Space market model development project, phase 3
[NASA-CR-187251] 04 p0601 N91-13348
Space market model development project, phase 2
[NASA-CR-187250] 04 p0601 N91-13349
The Johnson Space Center Management Information Systems (JSCMIS): An interface for organizational databases
[NASA-CR-187256] 04 p0604 N91-13362
Factors shaping the evolution of electronic documentation systems
[NASA-CR-187257] 04 p0605 N91-13363
Creation of fully vectorized FORTRAN code for integrating the movement of dust grains in interplanetary environments
[NASA-CR-187263] 04 p0608 N91-13382
Research and development for Onboard Navigation (ONAV) ground based expert/trainer system: ONAV entry knowledge requirements specification update
[NASA-CR-187241] 09 p1293 N91-17106
PCLIPS
[NASA-CR-187915] 09 p1386 N91-17624
RICIS 1987 Symposium. Executive summary
[NASA-CR-187906] 10 p1567 N91-18616
Addressing hypertext design and conversion issues
[NASA-CR-187934] 10 p1570 N91-18632
RICIS 1988 Symposium Proceedings. Presentation appendix
[NASA-CR-188077] 11 p1774 N91-19722
A robust momentum management and attitude control system for the space station
[NASA-CR-188115] 12 p1856 N91-20202
System characterization of positive real conditions
[NASA-CR-188113] 12 p1960 N91-20784
Research in software allocation for advanced manned mission communications and tracking systems
[NASA-CR-188114] 12 p1960 N91-20785
Spacecraft software training needs assessment research
[NASA-CR-188103] 12 p1960 N91-20786
Spacecraft software training needs assessment research, appendices
[NASA-CR-188104] 12 p1960 N91-20787
Expert system verification and validation study. Delivery 1: Survey and interview questions
[NASA-CR-188111] 12 p1961 N91-20788
Expert system verification and validation survey. Delivery 2: Survey results
[NASA-CR-188110] 12 p1961 N91-20789
Expert system verification and validation study. Phase 2: Requirements identification. Delivery 1: Updated survey report
[NASA-CR-188109] 12 p1961 N91-20790
Expert system verification and validation study. Phase 2: Requirements Identification. Delivery 2: Current requirements applicability
[NASA-CR-188108] 12 p1961 N91-20791
Expert system verification and validation survey. Delivery 3: Recommendations
[NASA-CR-188107] 12 p1961 N91-20792
Expert system verification and validation survey, delivery 4
[NASA-CR-188106] 12 p1961 N91-20793
Expert system verification and validation survey. Delivery 5: Revised
[NASA-CR-188105] 12 p1961 N91-20794
The Xpress Transfer Protocol (XTP): A tutorial (short version)
[NASA-CR-188086] 12 p1961 N91-20795
The Xpress Transfer Protocol (XTP): A tutorial (expanded version)
[NASA-CR-188085] 12 p1962 N91-20796
Issues in providing a reliable multicast facility
[NASA-CR-188089] 13 p2070 N91-21403
An endorsement-based approach to student modeling for planner-controlled intelligent tutoring systems
[NASA-CR-188177] 13 p2132 N91-21739
Experience with abstract notation one
[NASA-CR-188090] 13 p2133 N91-21741
Normalized convergence rates for the PSMG method
[AD-A231311] 13 p2136 N91-21764
Designing a training tool for imaging mental models
[NASA-CR-187891] 13 p2139 N91-21776
Documentation for the token ring network simulation system
[NASA-CR-188093] 13 p2141 N91-21789
Analysis of exhaustive limited service for token ring networks
[NASA-CR-188092] 13 p2141 N91-21790
Queueing models for token and slotted ring networks
[NASA-CR-188091] 13 p2142 N91-21791
SEPEC conference proceedings: Hypermedia and Information Reconstruction. Aerospace applications and research directions
[NASA-CR-187935] 13 p2165 N91-21940
SEPEC conference proceedings: Hypermedia and Information Reconstruction. Aerospace applications and research directions. Addendum
[NASA-CR-187936] 13 p2167 N91-21955
XTP for the NASA space station
[NASA-CR-188087] 13 p2168 N91-21966
Evaluation plan for space station network interface units
[NASA-CR-188088] 14 p2233 N91-22352

Design software for reuse
[NASA-CR-187917] 14 p2303 N91-22720
RICIS Software Engineering 90 Symposium: Aerospace Applications and Research Directions Proceedings
[NASA-CR-187993] 14 p2303 N91-22724
RICIS Software Engineering 90 Symposium: Aerospace Applications and Research Directions Proceedings Appendices
[NASA-CR-187994] 14 p2304 N91-22728
Portable Common Execution Environment (PCEE) project review: Peer review
[NASA-CR-188016] 14 p2304 N91-22731
Hypermedia 1990 structured Hypertext tutorial
[NASA-CR-187921] 15 p2481 N91-23731
Earth view: A business guide to orbital remote sensing
[NASA-CR-188238] 16 p2651 N91-24671
Intelligent tutoring systems for systems engineering methodologies
[NASA-CR-188586] 16 p2672 N91-24791
Review of Estelle and LOTOS with respect to critical computer applications
[NASA-CR-188596] 17 p2828 N91-25621
T on the Cray X/MP
[NASA-CR-188590] 17 p2828 N91-25622
Real-time fuzzy inference based robot path planning
[NASA-CR-188598] 17 p2830 N91-25631
Non-developmental item computer systems and the malicious software threat
[NASA-CR-188595] 17 p2830 N91-25633
Software engineering ethics
[NASA-CR-188594] 17 p2830 N91-25634
Discrete mathematics, formal methods, the Z schema and the software life cycle
[NASA-CR-188593] 17 p2830 N91-25635
Final Report
[NASA-CR-188589] 17 p2831 N91-25637
Trip reports: ISO working group 9, Ada, uniformity of Ada applications rapporteur group, and Ada Europe
[NASA-CR-188588] 17 p2831 N91-25638
An overview of SAFENET and its implications for aerospace applications
[NASA-CR-188585] 17 p2831 N91-25640
Expert system training and control based on the fuzzy relation matrix
[NASA-CR-188605] 17 p2831 N91-25641
Object-oriented requirements analysis: A quick tour
[NASA-CR-187919] 18 p3038 N91-26766
Smart instruments and the national collaboratory
[NASA-CR-188902] 24 p4021 N91-32472
Contour-map encoding of shape for early vision
[NASA-CR-188937] 24 p4035 N91-32545
Recognition of simple visual images using a sparse distributed memory: Some implementations and experiments
[NASA-CR-186616] 24 p4081 N91-32797
The Cortex Transform as an image preprocessor for sparse distributed memory: An initial study
[NASA-CR-187436] 24 p4081 N91-32798
Development of a sensor coordinated kinematic model for neural network controller training
[NASA-CR-188864] 24 p4081 N91-32799
Workshop on NASA workstation technology
[NASA-CR-188866] 24 p4081 N91-32800
An assessment of the connection machine
[NASA-CR-188876] 24 p4082 N91-32801
Efficient packing of patterns in sparse distributed memory by selective weighting of input bits
[NASA-CR-188890] 24 p4082 N91-32802
Automated IDEF3 and IDEF4 systems design specification document
[NASA-CR-188830] 24 p4082 N91-32803
IDEF3 and IDEF4 automation system requirements document and system environment models
[NASA-CR-188829] 24 p4082 N91-32804
On polynomial preconditioning for indefinite Hermitian matrices
[NASA-CR-188857] 24 p4084 N91-32814
Is thinking computable?
[NASA-CR-188859] 24 p4084 N91-32815
Evolutionary tree reconstruction
[NASA-CR-188862] 24 p4084 N91-32816
Saving all the bits
[NASA-CR-188879] 24 p4084 N91-32817
QMR: A Quasi-Minimal Residual method for non-Hermitian linear systems
[NASA-CR-188882] 24 p4084 N91-32818
Beyond formalism
[NASA-CR-188886] 24 p4085 N91-32819
An implementation of the look-ahead Lanczos algorithm for non-Hermitian matrices
[NASA-CR-188889] 24 p4085 N91-32820
Krylov subspace methods for complex non-Hermitian linear systems
[NASA-CR-188891] 24 p4085 N91-32821
Mutual exclusion
[NASA-CR-188122] 24 p4085 N91-32822
Feasibility study on the use of groupware support for NASA source evaluation boards
[NASA-CR-188832] 24 p4085 N91-32824
Programming in a proposed 9X distributed Ada
[NASA-CR-188831] 24 p4085 N91-32825
Machine learning research 1989-90
[NASA-CR-188828] 24 p4086 N91-32826
An intelligent tutoring system for the investigation of high performance skill acquisition
[NASA-CR-188827] 24 p4086 N91-32827
Advanced Software Development Workstation Project, phase 3
[NASA-CR-188824] 24 p4086 N91-32828
Advanced software development workstation project ACCESS user's guide
[NASA-CR-188823] 24 p4086 N91-32829
Research into the interaction between high performance and cognitive skills in an intelligent tutoring system
[NASA-CR-188821] 24 p4086 N91-32830
G/SPLINES: A hybrid of Friedman's Multivariate Adaptive Regression Splines (MARS) algorithm with Holland's genetic algorithm
[NASA-CR-188935] 24 p4087 N91-32836
ART-Ada: An Ada-based expert system tool
[NASA-CR-188930] 24 p4087 N91-32837
Ada issues in implementing ART-Ada
[NASA-CR-188941] 24 p4087 N91-32838
Toward the efficient implementation of expert systems in Ada
[NASA-CR-188942] 24 p4088 N91-32839
Automatic blocking of nested loops
[NASA-CR-188874] 24 p4089 N91-32844
Multilevel filtering elliptic preconditioners
[NASA-CR-188851] 24 p4089 N91-32845
Collaboration technology and space science
[NASA-CR-188861] 24 p4089 N91-32846
Highly parallel sparse Cholesky factorization
[NASA-CR-188875] 24 p4089 N91-32847
A biconjugate gradient type algorithm on massively parallel architectures
[NASA-CR-188888] 24 p4089 N91-32848
Distributed memory approaches for robotic neural controllers
[NASA-CR-188865] 24 p4091 N91-32859
Mapping unstructured grid problems to the connection machine
[NASA-CR-187719] 24 p4092 N91-32864
SPARSKIT: A basic tool kit for sparse matrix computations
[NASA-CR-185876] 24 p4093 N91-32865
Coping with data from Space Station Freedom
[NASA-CR-188885] 24 p4116 N91-33005

RESEARCH INST. OF NATIONAL DEFENCE, LINKOEPING (SWEDEN).
Investigation of the time-spread in overdense meteor trails
[PB90-267022] 09 p1427 N91-17855

RESEARCH LIBRARIES GROUP, INC., MOUNTAIN VIEW, CA.
Information needs in the sciences: An assessment
16 p2698 N91-24942

RESEARCH TRIANGLE INST., NEWPORT NEWS, VA.
Radar simulation program upgrade and algorithm development 16 p2553 N91-24153

RESEARCH TRIANGLE INST., RESEARCH TRIANGLE PARK, NC.
Measurements of exhaled breath using a new portable sampling method
[PB90-250135] 04 p0550 N91-13053
Semiconductor diamond technology
[AD-A228607] 09 p1410 N91-17758
Semiconductor diamond technology
[AD-A228608] 09 p1410 N91-17759
Graded-bandgap AlGaAs solar cells for AlGaAs/Ge cascade cells 11 p1667 N91-19186
Estimating lightning-generated NOx emissions for regional air pollution models
[PB91-131664] 11 p1736 N91-19546
Regional Oxidant Model Multi-Processor (ROMMP)
[PB91-131680] 11 p1736 N91-19547
Semiconductor diamond technology
[AD-A233085] 16 p2694 N91-24915
Semiconductor diamond technology
[AD-A233293] 16 p2694 N91-24919
Assessment team report on flight-critical systems research at NASA Langley Research Center
[NASA-CR-181850] 21 p3457 N91-29176
Radiation resistance of Ge, Ge0.93Si0.07, GaAs and Al0.08Ga0.92 as solar cells 22 p3637 N91-30240
User manual for two simple postscript output FORTRAN plotting routines
[NASA-CR-187590] 22 p3728 N91-30748

RETINA FOUNDATION, BOSTON, MA.
Eye movements and spatial pattern vision
[AD-A225357] 04 p0553 N91-13067
Eye movements and spatial pattern vision
[AD-A238664] 21 p3549 N91-29721

REYNOLDS ELECTRICAL AND ENGINEERING CO., INC., LAS VEGAS, NV.
Index of the Nevada applied ecology group and associated publications available in the Coordination and Information center
[DE91-007178] 10 p1614 N91-18906

RHEINMETALL G.M.B.H., DUESSELDORF (GERMANY, F.R.).
Experimental aerodynamics for hot gas jet reaction control systems 06 p0775 N91-14300

RHODE ISLAND UNIV., KINGSTON.
Formic and acetic acids in the boundary layer over the North Atlantic ocean 08 p1188 N91-16530
External cavity coherent transmitter modules
[AD-A230239] 12 p1903 N91-20470
The transient response of heavily fluid-loaded elastic plates and cylindrical shells 15 p2442 N91-23528
Acoustic harmonic and transient response of fluid-loaded shells of revolution
16 p2623 N91-24522
An experimental and numerical study of the effect of microstructure on wave propagation phenomena in granular media 17 p2765 N91-25307

RHODE ISLAND UNIV., NARRAGANSETT.
The SYNOP experiment: Inverted echo sounder data report for October 1987 to May 1988
[AD-A227232] 06 p0851 N91-14699
Sources of volcanic aerosols: Petrologic and volcanological constraints 13 p2115 N91-21644
The SYNOP experiment: Inverted echo sounder data report for June 1989 to September 1990
[AD-A234625] 18 p3018 N91-26662

RIBBON TECHNOLOGY CORP., GAHANNA, OH.
Direct cast titanium alloy strip
[AD-A227639] 07 p0979 N91-15375
Direct cast titanium aluminide strip
[AD-A231906] 14 p2246 N91-22424

RICE UNIV., HOUSTON, TX.
Optimal trajectories of aircraft and spacecraft
02 p0167 N91-10968
Semiconductor cluster surface chemistry
[AD-A224947] 03 p0337 N91-11891
Direct injection supersonic cluster beam source for FT-ICR studies of clusters
[AD-A224948] 03 p0338 N91-11892
Laser annealing of silicon clusters
[AD-A224946] 03 p0344 N91-11926
Collisionally excited XUV and VUV coherent sources
[AD-A224728] 03 p0420 N91-12349
Ammonia chemisorption studies on silicon cluster ions
[AD-A224949] 04 p0500 N91-12776
Nuclear structure at intermediate energies
[DE91-000678] 04 p0581 N91-13241
The semidiscrete Galerkin finite element modeling of compressible viscous flow past an airfoil
04 p0597 N91-13330
Large scale excitation of the ISM in NGC 1068
05 p0745 N91-14150
Differences in the size-internal velocity relation of galactic and extragalactic HII regions
05 p0746 N91-14158
The Hawaii Imaging Fabry-Perot Interferometer (HIFI)
05 p0763 N91-14240
Gamma guidance of trajectories for coplanar, aeroassisted orbital transfer
[NASA-CR-187732] 06 p0789 N91-14365
Properties of the optimal trajectories for coplanar, aeroassisted orbital transfer
[NASA-CR-187733] 06 p0789 N91-14366
Decomposition technique and optimal trajectories for the aeroassisted flight experiment
[NASA-CR-187734] 06 p0790 N91-14367
Guidance trajectories for aeroassisted orbital transfer
[NASA-CR-187735] 06 p0790 N91-14368
Matrix isolation as a tool for studying interstellar chemical reactions 06 p0897 N91-14956
Two-electron excitation in slow ion-atom collisions: Excitation mechanisms and interferences among autoionizing states
[DE91-004474] 07 p1065 N91-15856
Optimization and guidance of flight trajectories for the national aerospace plane
[NASA-CR-187837] 08 p1095 N91-16010
Optimal trajectories for an aerospace plane. Part 2: Data, tables, and graphs
[NASA-CR-187848] 08 p1095 N91-16011
Optimal trajectories for an aerospace plane. Part 1: Formulation, results, and analysis
[NASA-CR-187868] 08 p1095 N91-16013
Deep Fabry-Perot imaging of NGC 6240: Kinematic evidence for merging galaxies 08 p1257 N91-16922
Positron survival in Type II supernovae
[AD-A226778] 08 p1265 N91-16965

Theoretical atomic collision physics
[DE91-006276] 09 p1397 N91-17687
Emission line nebulae in the Magellanic clouds
09 p1430 N91-17875
CNO abundance variations in the type I planetary nebulae 09 p1435 N91-17908
Historical overview of HF ionospheric modification research 10 p1547 N91-18510
The generation of ULF waves in the ionosphere
10 p1554 N91-18548
Infrared absorption spectroscopy and chemical kinetics of free radicals
[DE91-008282] 12 p1867 N91-20260
Exact and explicit optimal solutions for trajectory planning and control of single-link flexible-joint manipulators 12 p1939 N91-20667
Ultraviolet photoelectron spectra of gallium arsenide clusters
[AD-A224927] 13 p2047 N91-21261
Thermophysical property measurements in electromagnetic levitators 13 p2061 N91-21344
Surface tension and viscosity from damped free oscillations of viscous droplets 13 p2061 N91-21346
A high temperature thermal diffusivity determination procedure for solids and liquids
13 p2066 N91-21377
Parallel optimization and inverse problems
[AD-A233371] 16 p2613 N91-24467
Modeling of setting stresses in particle reinforced polymer composites using finite element analysis
17 p2745 N91-25189
Geometric nonlinear filtering theory with application to the maneuvering aircraft tracking problem
17 p2766 N91-25308
Marine record of late quaternary glacial-interglacial fluctuations in the Ross Sea and evidence for rapid, episodic sea level change due to marine ice sheet collapse 18 p3002 N91-26578
Modeling the surface and interior structure of comet nuclei using a multidisciplinary approach
[NASA-CR-188635] 22 p3775 N91-31052

RIGSHOSPITALET, COPENHAGEN (DENMARK).
Soft contact lens wear and aviation
17 p2826 N91-25613
Contrast sensitivity and glare following keratotomy
17 p2827 N91-25617

RIJKSINSTITUUT VOOR DE VOLKSGEZONDHEID, BILTHOVEN (NETHERLANDS).
Effect of aircraft emissions on atmospheric ozone in the Northern Hemisphere
[PB91-172072] 19 p3188 N91-27628

RIJKSLUCHTVAARTDIENST, SCHIPHOL (NETHERLANDS).
Activities report of the Dutch Civil Aeronautics Board
[ETN-91-98472] 08 p1094 N91-16005

RIJKSLUCHTVAARTDIENST, THE HAGUE (NETHERLANDS).
Activities report of the Civil Aeronautics Board
[ETN-91-98773] 10 p1469 N91-18103

RIJKSWATERSTAAT, DELFT (NETHERLANDS).
Wave data assimilation in a 3rd generation. Wave prediction model for the North Sea: An optimal control approach
[BCRS-89-22] 02 p0242 N91-11348

RISOE NATIONAL LAB., ROSKILDE (DENMARK).
Aerial smoke plume observations and surface-layer turbulence measurements. Part 2: Wind and temperature spectral analysis. Phase 4: Dispersion study: AMADEUS
[AD-A229291] 09 p1368 N91-17520

RMS TECHNOLOGIES, INC., LEXINGTON, MA.
CRRES project orbital data processing task
[AD-A234286] 22 p3628 N91-30190

RNUR, BOULOGNE-BILLANCOURT (FRANCE).
Evaluation of fatigue behaviour of SMC composites materials 12 p1861 N91-20226

ROBERTS ASSOCIATES, INC., VIENNA, VA.
Rotating reactor studies
[NASA-CR-184095] 07 p0987 N91-15421

ROCHESTER INST. OF TECH., NY.
Merging panchromatic and multispectral images for enhanced image analysis
[AD-A227902] 08 p1167 N91-16421

ROCHESTER UNIV., NY.
Peripheral limitations on spatial vision
[AD-A226335] 04 p0554 N91-13075
Ultrafast optical electronics center
[AD-A226669] 05 p0726 N91-14054
Flux flow pinning and resistive behavior in superconducting networks
[DE91-002756] 05 p0727 N91-14064
Electro-optic network analyzer
[NASA-CR-186613] 06 p0819 N91-14527
LLE (Laboratory for Laser Energetics) review
[DE91-001254] 06 p0832 N91-14597
The buckling of off-axis, orthotropic, cylindrical shells in torsion 06 p0837 N91-14628
Linguistic and pragmatic constraints on utterance interpretation
[AD-A228815] 08 p1129 N91-16210
Stochastic and chaotic effects in the ring laser
08 p1155 N91-16359
Real-time vergence control for binocular robots
[AD-A228817] 08 p1160 N91-16387
PENGUIN: A language for reactive graphical user interfaces
[AD-A228580] 08 p1204 N91-16620
Nonlinear optical systems interacting with amplitude-modulated optical fields
[AD-A228221] 08 p1224 N91-16742
Parallel incremental compilation
[AD-A228726] 09 p1387 N91-17629
Interprocessor invocation on a NUMA multiprocessor
[AD-A228930] 09 p1387 N91-17631
LLE (Laboratory for Laser Energetics) review
[DE91-005414] 10 p1528 N91-18412
Photoinduced electron transfer processes in homogeneous and microheterogeneous solutions
[DE91-007582] 11 p1793 N91-19836
Photochemistry and charge transfer chemistry of the platinum group elements
[DE91-009153] 13 p2050 N91-21277
Effects of source correlations on the spectrum of radiated fields
[AD-A230955] 13 p2072 N91-21411
Stochastic and deterministic fluctuations in stimulated Brillouin scattering
[AD-A230988] 13 p2093 N91-21522
Serrated circular apertures: Optical Fourier transforms and fractal analysis
[AD-A230834] 13 p2154 N91-21874
The 6th Rochester Conference on Coherence and Quantum Optics
[AD-A233350] 17 p2863 N91-25834
Femtosecond studies of surface electron transfer process at semiconductor interfaces
[DE91-010914] 17 p2872 N91-25886
Proceedings of the Optoelectronic Workshop 27: Semiconductor Lasers and Their Applications
[AD-A233779] 18 p2988 N91-26496
Laser switched power linac
[AD-A234581] 18 p2990 N91-26507
Proceedings of the Optoelectronic Workshop 25: Liquid Crystal Materials and Devices for Opto-Electronic Applications
[AD-A233780] 18 p3063 N91-26921
Image understanding and intelligent parallel systems
[AD-A236229] 19 p3232 N91-27871
Transition metal activation and functionalization of carbon-hydrogen bonds
[DE91-014261] 20 p3312 N91-28332
Inertial fusion program and National Laser Users Facility program
[DE91-013164] 21 p3521 N91-29556
The 23rd Optoelectronic Workshop: Optical System Assessment for Design and Simulated Annealing
[AD-A238588] 21 p3583 N91-29932
Theoretical nuclear physics
[DE91-016745] 23 p3926 N91-31936
Optimal configuration of distributed database systems
23 p3935 N91-31990
Magnetic field decay in neutron stars with superconducting cores 23 p3939 N91-32015
Dynamics of surface melting
[DE91-016344] 24 p3975 N91-32206
Picosecond time-resolved electron diffraction studies of laser heated metals
[DE91-016345] 24 p3975 N91-32207

ROCK ISLAND ARSENAL, IL.
Manufacturing guide for elastomeric seals
[AD-A227511] 08 p1159 N91-16383

ROCKEFELLER UNIV., NEW YORK, NY.
Fast sound propagation in binary fluid mixtures
01 p0039 N91-10233
Experimental studies of elementary particle interactions at high energies
[DE91-006305] 10 p1595 N91-18802
Carboxyalkylated hemoglobin as a potential blood substitute
[AD-A233822] 18 p3027 N91-26712

ROCKET RESEARCH CORP., REDMOND, WA.
Hydroxylammonium nitrate compatibility tests with various materials: A liquid propellant study
[AD-A224594] 03 p0346 N91-11937
Arcjet endurance test program
[AD-A235232] 18 p2937 N91-26198

ROCKWELL INTERNATIONAL CORP., ANAHEIM, CA.
Reliability/Maintainability/Logistics support analysis Computer Aided Tailoring Software Program (R/M/L CATSOP)
[AD-A226820] 08 p1199 N91-16588
Multi-sensor feature level fusion
[AD-A237106] 21 p3498 N91-29411

ROCKWELL INTERNATIONAL CORP., CANOGA PARK, CA.
Hybrid propulsion technology program: Phase 1, volume 4
[NASA-CR-183975] 01 p0019 N91-10114
Real-time failure control (SAFD)
[NASA-CR-184025] 02 p0220 N91-11233
Lower bound on reliability for Weibull distribution when shape parameter is not estimated accurately
[NASA-CR-180681] 02 p0263 N91-11474
Fiber-reinforced ceramic composites for Earth-to-orbit rocket engine turbines
[NASA-CR-185264] 08 p1119 N91-16150
Space shuttle main engine computed tomography applications 10 p1487 N91-18191
Blade tip rubbing stress prediction
[NASA-CR-184100] 10 p1531 N91-18435
Numerical solutions of 2-D multi-stage rotor/stator unsteady flow interactions 13 p2013 N91-21070
Heavy hydrocarbon main injector technology program
[NASA-CR-184161] 13 p2043 N91-21235
Use of secondary flows for rapid mixing in scramjet combustors 15 p2379 N91-23167
The effect of combustor flow nonuniformity on the performance of hypersonic nozzles
15 p2380 N91-23173
Structural damping/acoustic attenuation optimization via non-obstructive particle damping
16 p2569 N91-24239
Control of chamber heat flux by injector design
16 p2570 N91-24245
Noncontacting multiparametric sensor for shaft speed, torque, and position 16 p2573 N91-24259
The influence of advanced processing on PWA 1480
16 p2583 N91-24317
Composite load spectra for select space propulsion structural components 16 p2586 N91-24330
Probabilistic design analysis using Composite Loads Spectra (CLS) coupled with Probabilistic Structural Analysis Methodologies (PSAM)
16 p2586 N91-24331
Advanced Launch System propulsion focused technology liquid methane turbopump technical implementation plan
[NASA-CR-183681] 16 p2614 N91-24471
Operationally Efficient Propulsion System Study (OEPPS) 20 p3292 N91-28198
Expendable launch vehicle propulsion
20 p3292 N91-28199
Space transportation propulsion USSR launcher technology, 1990 20 p3294 N91-28220
Business not as usual 20 p3301 N91-28266
Issues concerning centralized versus decentralized power deployment
[NASA-CR-187121] 20 p3366 N91-28648
Research in inorganic fluorine chemistry
[AD-A238348] 22 p3647 N91-30300
Infrastructure for deployment of power systems
[NASA-CR-187167] 22 p3699 N91-30595
Hydrogen test of a small, low specific speed centrifugal pump stage
[NASA-CR-187117] 23 p3803 N91-31213
Flow induced vibrations in the SSME injector heads
[NASA-CR-184209] 23 p3803 N91-31214
Reusable rocket engine intelligent control system framework design, phase 2
[NASA-CR-187213] 23 p3804 N91-31219
Regenerative fuel cell architectures for lunar surface power 24 p4037 N91-32560

ROCKWELL INTERNATIONAL CORP., CEDAR RAPIDS, IA.
Wind Shear radar program future plans
16 p2553 N91-24151
ADS communications: A cornerstone
24 p3956 N91-32105

ROCKWELL INTERNATIONAL CORP., DOWNEY, CA.
Integrated hydrogen/oxygen technology applied to auxiliary propulsion systems
[NASA-CR-185289] 01 p0020 N91-10116
Attitude-dependent launch window analysis for the Hubble Space Telescope Mission
09 p1291 N91-17096
A flight experiment to determine GPS photochemical contamination accumulation rates
11 p1662 N91-19159
Unusual spacecraft materials
14 p2203 N91-22169
Mission and transportation systems uses of in-situ derived propellants 17 p2913 N91-26080
Production and uses of liquefied atmosphere (CO2) on Mars 17 p2914 N91-26085
Lightning current rate of rise in the new lightning flash model for the space shuttle program
24 p4046 N91-32604

ROCKWELL INTERNATIONAL CORP., EL SEGUNDO, CA.
Optical analysis of aircraft transparencies (OPTRAN). Volume 1: Theoretical manual
[AD-A235931] 19 p3245 N91-27947
ROCKWELL INTERNATIONAL CORP., HOUSTON, TX.
Orbital maneuvering vehicle remote piloting operations 12 p1847 N91-20149
Capturing, using, and managing quality assurance knowledge for shuttle post-MECO flight design 12 p1943 N91-20691
Design, development, and qualification of special super N-channel MOSFET die for space applications 24 p3991 N91-32297
ROCKWELL INTERNATIONAL CORP., HUNTSVILLE, AL.
Test vs. simulation 20 p3299 N91-28251
Propulsion system ground testing 20 p3300 N91-28261
ROCKWELL INTERNATIONAL CORP., LOS ANGELES, CA.
Superplastic formed aluminum-lithium aircraft structures
[AD-A226516] 04 p0479 N91-12673
Roll plus maneuver load alleviation control system designs for the active flexible wing wind-tunnel model 14 p2230 N91-22335
Aerodynamic preliminary analysis system 2. Part 1: Theory
[NASA-CR-182076] 15 p2364 N91-23080
Aerodynamic preliminary analysis system 2. Part 2: User's manual
[NASA-CR-182077] 15 p2364 N91-23081
ROCKWELL INTERNATIONAL CORP., NEWBURY PARK, CA.
Multigigahertz semiconductor lasers
[AD-A234776] 18 p2990 N91-26510
ROCKWELL INTERNATIONAL CORP., THOUSAND OAKS, CA.
Spread spectrum random access schemes
[AD-A230303] 12 p1882 N91-20345
ROCKWELL INTERNATIONAL CORP., TULSA, OK.
Evaluation of long-duration exposure to the natural space environment on graphite-polyimide and graphite-epoxy mechanical properties 16 p2719 N91-25056
ROCKWELL INTERNATIONAL SCIENCE CENTER, THOUSAND OAKS, CA.
LWIR HgCdTe: Innovative detectors in an incumbent technology 06 p0793 N91-14384
The microscopic origins of toughness and impact resistance in metal-reinforced ceramics
[AD-A228610] 09 p1318 N91-17235
Unstructured grid generation using the distance function 13 p2012 N91-21065
Spillover, nonlinearity, and flexible structures 14 p2225 N91-22308
Transformation toughening of ceramics
[AD-A234926] 18 p2964 N91-26359
Studies of phase-conjugate optical device concepts
[AD-A236075] 19 p3246 N91-27950
Effects of interfacial modification on diamond film adhesion
[AD-A237750] 21 p3488 N91-29354
Numerical methods for scattering from electrically large objects
[AD-A238262] 21 p3500 N91-29426
Electrodeposition of high temperature superconductors
[AD-A238227] 21 p3507 N91-29469
Pressure effects in the microwave plasma growth of polycrystalline diamond
[AD-A237751] 21 p3596 N91-30006
Model studies of CBES decomposition (FN3/BiF chemical laser)
[AD-A229427] 22 p3681 N91-30498
RODMAN AND ASSOCIATES, INC., DALLAS, TX.
Keyword thesaurus: Terms and codes identifying interest areas for Federal funding of research and other sponsored programs, 4th edition, September, 1990
[NASA-CR-187752] 09 p1421 N91-17821
ROHR INDUSTRIES, INC., SAN DIEGO, CA.
Test/semi-empirical analysis of a carbon/epoxy fabric stiffened panel 01 p0051 N91-10302
ROLLS-ROYCE, INC., ATLANTA, GA.
Design/development issues for high bypass ratio fans
[PNR-90758] 01 p0012 N91-10076
ROLLS-ROYCE LTD., BRISTOL (ENGLAND).
Progress in certifying F402-RR-408: The improved Pegasus engine for AV-8B and Harrier 2 plus
[PNR-90719] 01 p0010 N91-10056
Technology update of early gas turbine designs
[PNR-90710] 01 p0012 N91-10070
Future supersonic transport populsion optimization
[PNR-90737] 01 p0012 N91-10071
Applications of thermally sprayed coating systems in aero engines
[PNR-90750] 01 p0012 N91-10072
Casting alloys for the jet age
[PNR-90723] 01 p0028 N91-10168
An investigation of secondary flows in nozzle guide vanes
[PNR-90739] 01 p0044 N91-10262
Fully automatic analysis in an industrial environment
[PNR-90722] 01 p0111 N91-10647
Carbon deposition in gas turbine combustors
[PNR-90692] 02 p0181 N91-11020
Experiences in the use of ABAQUS for creep analysis
[PNR-90705] 02 p0226 N91-11266
Data analysis
[PNR-90749] 03 p0410 N91-12293
Design considerations of a high expansion ratio hydrogen turbine 15 p2378 N91-23163
ROLLS-ROYCE LTD., COVENTRY (ENGLAND).
Gas turbines for main propulsion and auxiliary power systems
[PNR-90709] 01 p0011 N91-10069
Fabrication aspects of glass matrix composites for gas turbine applications
[PNR-90752] 01 p0012 N91-10073
ROLLS-ROYCE LTD., DERBY (ENGLAND).
Parametric assessment of propulsion system mass for airbreathing launcher configurations
[PNR-90634] 01 p0011 N91-10063
Aero engine design factors for a low fuel price scenario
[PNR-90681] 01 p0011 N91-10066
Thermal fatigue cycling in turbine blades
[PNR-90682] 01 p0011 N91-10067
The evolution of the bypass engine
[PNR-90707] 01 p0011 N91-10068
Heat transfer in aero engine gas turbines, part 1
[PNR-90754-PT-1] 01 p0012 N91-10074
Re-engining: Real stage 3 compliance plus other benefits
[PNR-90755] 01 p0012 N91-10075
Fibre-matrix reaction zones in model silicon carbide-titanium aluminide metal-matrix composites
[PNR-90713] 01 p0023 N91-10137
Industrial applications and markets for ceramic matrix composites
[PNR-90753] 01 p0023 N91-10138
Multi industry application of advanced materials
[PNR-90764] 01 p0023 N91-10139
Engineering design: A powerful influence on the business success on manufacturing industry
[PNR-90763] 01 p0033 N91-10197
Numerical solutions of rotating disc flows using a non-linear multigrid algorithm
[PNR-90679] 01 p0044 N91-10259
Detailed heat transfer measurements in nozzle guide vane passages in linear and annular cascades in the presence of secondary flows
[PNR-90706] 01 p0044 N91-10260
Flow measurements in turbomachinery using laser anemometry and holography
[PNR-90717] 01 p0044 N91-10261
Introduction: Needs and approaches to reliability and quality assurance in design and manufacture
[PNR-90683] 01 p0050 N91-10297
Total quality management at Rolls-Royce PLC
[PNR-90759] 01 p0050 N91-10298
Vibro-acoustic emission rubbing sources
[PNR-90730] 01 p0057 N91-10336
Fatigue crack propagation of coplanar semi-elliptical cracks in pure bending
[PNR-90742] 01 p0057 N91-10337
Do we really need 57 ways of rating aircraft noise
[PNR-90720] 01 p0119 N91-10704
Recent advances and developments in coatings
[PNR-90698] 02 p0181 N91-11021
High temperature materials: The overall view
[PNR-90699] 02 p0192 N91-11073
Influence of heat treatment on microstructure and properties of an advanced high temperature titanium alloy
[PNR-90689] 02 p0198 N91-11107
Commercial aircraft and the environment
[PNR-90687] 02 p0234 N91-11307
The role of process modelling in manufacture and design
[PNR-90702] 02 p0255 N91-11416
The place for the turbofan engine in the regional airlines 03 p0309 N91-11731
Process modelling
[PNR-90716] 03 p0342 N91-11915
The development of SCORPIO as a commercial product
[PNR-90746] 03 p0375 N91-12098
The powerplant options for a future large aircraft 10 p1465 N91-18080
A role model for quality management in finite element analysis 16 p2644 N91-24639
Engine icing criticality assessment 23 p3794 N91-31161
Icing research related to engine icing characteristics 23 p3795 N91-31168
ROLLS-ROYCE LTD., LEAVESDEN (ENGLAND).
Application of a water droplet trajectory prediction code to the design of inlet particle separator anti-icing systems 23 p3793 N91-31159
ROME AIR DEVELOPMENT CENTER, GRIFFISS AFB, NY.
Proceedings of the 1989 Antenna Applications Symposium. Volume 1
[AD-A226021] 04 p0515 N91-12862
Proceedings of the 1989 Antenna Applications Symposium. Volume 2
[AD-A226022] 04 p0515 N91-12863
Optically linked EHF antenna array
[AD-A226101] 04 p0515 N91-12865
Investigation of a bent wire chiral: Electromagnetic scattering
[AD-A226218] 04 p0515 N91-12867
Millimeter wave TWT life test monitor
[AD-A226111] 04 p0527 N91-12920
Analytic ray tracing using Ermakov invariants
[AD-A226219] 04 p0547 N91-13036
Synthesis of multichannel autoregressive random processes and ergodicity considerations
[AD-A226493] 04 p0574 N91-13187
Systolic emulator experimentation
[AD-A226745] 06 p0817 N91-14516
MMIC impact on airborne avionic systems 07 p0942 N91-15166
A printed circuit folded dipole with integrated balun
[AD-A225561] 07 p0997 N91-15476
Statistically thinned arrays with quantized element weights
[AD-A227965] 08 p1127 N91-16196
Closed loop digital and computer control of an ultragravimetric microbalance
[AD-A229276] 09 p1374 N91-17553
Multichannel linear prediction and its association with triangular matrix decomposition
[AD-A230052] 12 p1969 N91-20831
Clutter effects on optical correlators
[AD-A229921] 12 p1980 N91-20893
Measurement and analysis of the microwave surface resistance in a mixed phase Y-Ba-Cu-O superconductor
[AD-A230047] 12 p1986 N91-20930
Knowledge-based software assistant (KBSA) technology transfer consortium: Status report 1
[AD-A233035] 16 p2668 N91-24766
Digital logic testing and testability
[AD-A234123] 18 p2978 N91-26441
RADC cathode life test facility
[AD-A234309] 18 p2978 N91-26444
Measuring the quality of knowledge work
[AD-A235354] 18 p3075 N91-26994
Optical performance analysis of the Precision Optical Research and Tracking Facility (PORTF)
[AD-A235604] 19 p3245 N91-27946
Proceedings of the 1990 Antenna Applications Symposium, volume 1
[AD-A237056] 20 p3333 N91-28460
Proceedings of the 1990 Antenna Applications Symposium, volume 2
[AD-A237057] 20 p3333 N91-28461
A survey of reliability, maintainability, supportability, and testability software tools
[AD-A236148] 20 p3383 N91-28745
ROME UNIV. (ITALY).
Modelling backscattering from natural surfaces covered with vegetation 07 p0993 N91-15448
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
A calorimeter design for high energy PP colliders
[NOTA-INTERNA-965] 11 p1709 N91-19410
NO2 absorption cross-section in the 440 to 460 nm region at 298 and 220 K
[NOTA-INTERNA-964] 11 p1737 N91-19550
Hindlimb suspension of rabbit for one week: Myofibrillar damage in the soleus may depend on long-lasting shortening and periodic contraction against no load 11 p1754 N91-19647
Electroweak interactions at LEP
[NOTA-INTERNA-962] 11 p1796 N91-19853
Punchthrough in hadronic showers: A parameterization of the total probability
[NOTA-INTERNA-968] 11 p1796 N91-19854
A global fit to the Z(0) line shape
[NOTA-INTERNA-966] 11 p1798 N91-19868
The Rome neutron monitor data for four ground-level enhancements observed by the world-wide station network in 1990
[NOTA-INTERNA-967] 11 p1823 N91-20019

The UA1 uranium/warm liquid calorimeter: Calibration, study of the energy response and of compensation
[NOTA-INTERNA-950] 12 p1901 N91-20459
Performances of a resistive plate counter at high ionization rates
[NOTA-INTERNA-960] 12 p1902 N91-20460
Preliminary results on measurements of the interaction of a dynamical gravitational near field with a cryogenic gravitational wave antenna
[NOTA-INTERNA-953] 12 p1924 N91-20585
Top search in isolated single muon-jet events with the UA1 experiment
[NOTA-INTERNA-946] 12 p1977 N91-20878
Search for supersymmetric particles at LEP: Results and prospects
[NOTA-INTERNA-947] 12 p1977 N91-20879
Polarizability corrections in exotic atoms
[NOTA-INTERNA-949] 12 p1977 N91-20880
Limits on the electron compositeness from the Bhabha scattering at PEP and PETRA
[NOTA-INTERNA-951] 12 p1977 N91-20881
How to tag the high PT jets involving the anomalous structure function of the photon at HERA
[NOTA-INTERNA-952] 12 p1978 N91-20882
Eta/gamma TOF discrimination in NaI/Tl and for heavy ion experiments
[NOTA-INTERNA-956] 12 p1978 N91-20883
Performances of an emulator farm for the data processing of high energy physics experiments
[ETN-91-98880] 12 p1979 N91-20889
Sub-millimetric cosmology: From ground based to space observations 13 p2173 N91-21991
The OASI observatory in Antarctica 13 p2179 N91-22036
A millimeter and submillimeter balloon telescope for measurements of diffuse radiation 13 p2179 N91-22040
The TIR project: A balloon telescope for the measurement of CBR anisotropies 13 p2180 N91-22041
A high throughput, multiband photometer for the TIR project 13 p2180 N91-22042
Reacting shock waves in hypersonic propulsion applications 15 p2380 N91-23174
Study of the response of a crystal ball made of NaI(Tl) for heavy ions experiments
[NOTA-INTERNA-957] 15 p2505 N91-23874
The birth of the 'strange' particle physics
[NOTA-INTERNA-958] 15 p2505 N91-23875
Experiments on Frank-Hertz setup
[NOTA-INTERNA-961] 15 p2505 N91-23876
Development of a digital correlator to measure the semi-elastic scattering of light
[NOTA-INTERNA-955] 15 p2508 N91-23895

ROTEM INDUSTRIES LTD., BEER-SHEVA (ISRAEL).
Thermal design and control of space simulation chambers in Israel 07 p0951 N91-15227

ROUTES, INC., KANATA (ONTARIO).
Study of space qualification specifications
[CTN-91-60201] 23 p3801 N91-31199

ROYAL AERONAUTICAL SOCIETY, LONDON (ENGLAND).
Store carriage, integration, and release 06 p0772 N91-14281

ROYAL AEROSPACE ESTABLISHMENT, BEDFORD (ENGLAND).
Pressure measurements on slender bodies at supersonic speeds and development of flow separation critera for Euler codes 06 p0772 N91-14282
Interaction between the canard and wing flow on a model of a typical combat aircraft 06 p0782 N91-14334
Computer-aided control law research: From concept to flight test 07 p1044 N91-15731
The RAE generic VSTOL aircraft model: GVAM87 documentation guide
[RAE-TM-FM-38] 09 p1277 N91-17018
Experimental techniques in helicopter aerodynamics flight research 10 p1461 N91-18058
Handling qualities guidelines for the design of fly-by-wire flight control systems for transport aircraft 15 p2371 N91-23119

ROYAL AEROSPACE ESTABLISHMENT, FARNBOROUGH (ENGLAND).
The development of aluminum lithium alloys: An overview 03 p0340 N91-11906
Cast and rapidly solidified magnesium alloys 03 p0341 N91-11912
Advanced missile guidance 05 p0620 N91-13439
The United Kingdom contribution to the AGARD fatigue-rated fastener systems program
[RAE-TR-89046] 05 p0622 N91-13451
Orbit determination and analysis for Aureole 2 rocket at 27:2 resonance
[RAE-TR-90018] 05 p0626 N91-13472
Sustained-load crack growth of 8090 aluminium-lithium alloy plate in dry air at 50-200 C
[RAE-TR-90033] 05 p0679 N91-13777
Long persistence effects of geomagnetic activity
[RAE-TM-SP-376] 05 p0688 N91-13829
A subjective rating scale for assessing pilot workload in flight: A decade of practical use
[RAE-TR-90019] 05 p0697 N91-13882
Review of the spring 1988 AGARD FMP symposium 06 p0772 N91-14280
Investigations of aerothermodynamic effects on axisymmetric bodies at high Mach numbers 06 p0776 N91-14302
In-flight measurements on a Tornado aircraft for stores carriage and release research
[RAE-TM-AERO-2180] 06 p0783 N91-14341
The stereoscopic geometry of the remote sensing optical mapping instrument
[RAE-TR-90032] 07 p1023 N91-15613
Modelling of land based air defence systems in research and procurement support 07 p1045 N91-15737
Results of man in the loop simulator experiments using air-to-air missile models 07 p1047 N91-15745
Geopotential harmonics of order 15 and 30 from analysis of 50 orbit determinations of 1967-102B
[RAE-TR-90029] 08 p1099 N91-16035
Molten salt electrolytes in high temperature batteries
[RAE-TM-MAT/STR-1155] 08 p1134 N91-16241
Optimisation of operational workload levels using neurophysiological and cognitive techniques 08 p1193 N91-16560
Advances in navigation support systems based on operational pilot's heuristics
[RAE-TRANS-2184] 09 p1276 N91-17012
Local solution for the flow of an ideal fluid near a separation line
[RAE-TRANS-2181] 09 p1336 N91-17339
The prediction of carriage loads and changes in aircraft longitudinal stability for pylon mounted stores at subsonic speeds
[RAE-TM-AERO-2195] 10 p1470 N91-18107
Precipitation reactions in 8090 SiC particulate reinforced MMC
[RAE-TR-90040] 10 p1494 N91-18221
Oblique heating of the auroral ionosphere by LF/MF transmitters 10 p1550 N91-18524
Temperature error compensation applied to pressure measurements taken with miniature semiconductor pressure transducers in a high-speed research compressor
[RAE-TM-P-1192] 12 p1830 N91-20056
Combustor exit temperature distortion effects on heat transfer and aerodynamics within a rotating turbine blade passage
[RAE-TM-P-1195] 12 p1842 N91-20125
Vapour deposited aluminium alloys
[RAE-TM-MAT/STR-1153] 12 p1870 N91-20279
RAE Bedford's experience of using Direct Voice Input (DVI) in the cockpit
[RAE-TM-FM-43] 12 p1889 N91-20384
Evaluation of virtual cockpit concepts during simulated missions
[RAE-TM-MM-36] 12 p1889 N91-20385
A simple model vortex flow past a slender elliptic cone at incidence
[RAE-TM-AERO-2197] 13 p2080 N91-21460
ESA Polar Platform ground segment: An Anglo-Norwegian perspective 14 p2211 N91-22211
Lightning protection requirements for aircraft: A proposed specification
[RAE-TM-FS(F)-632-ISSUE-1-REV] 16 p2557 N91-24186
The role of structural analysis in airworthiness certification 16 p2646 N91-24647
The application of Particle Image Velocimetry (PIV) in a short duration transonic annular turbine cascade
[AD-A236639] 20 p3341 N91-28504
Design of advanced blading for a high-speed HP compressor using an S1-S2 flow calculation system
[RAE-TM-P-1196] 22 p3621 N91-30144
Turbine nozzle guide vane exit area traversing in a short duration light piston test facility
[RAE-TM-P-1199] 22 p3621 N91-30145
Design and performance of advanced blading for a high-speed HP compressor
[RAE-TM-P-1201] 22 p3621 N91-30146
Application of S1BYL2 to the AGARD WG18 compressor test cases
[RAE-TM-P-1204] 22 p3621 N91-30147
Perturbations, untruncated in eccentricity, for an orbit in an axi-symmetric gravitational field
[RAE-TM-SPACE-379] 22 p3627 N91-30182
On the universality of orbital theory for satellite motion perturbed by gravitational harmonics
[RAE-TM-SPACE-380] 22 p3627 N91-30183
Untruncated perturbation analysis for a satellite orbiting in a non-rotating gravitational field
[RAE-TM-SPACE-381] 22 p3627 N91-30184
On a problem arising in the computation of orbit perturbations
[RAE-TM-SPACE-384] 22 p3627 N91-30185
CRAG working group on alternative/equivalent materials for components cleared primarily by structural testing
[RAE-TM-MAT/STR-1159] 22 p3645 N91-30285
Optimum antenna spacing for diversity in meteor burst communications systems 22 p3659 N91-30367
Doppler-multipath tolerant voice communication 22 p3661 N91-30383
Evolution of a voltage-time model of thermal batteries
[RAE-TM-MAT/STR-1163] 22 p3670 N91-30432
Unsteady viscous flow in a high speed core compressor
[RAE-TM-P-1198] 22 p3678 N91-30480
Experimental investigation of the separated flow past slender bodies in the RAE 5 metre low-speed pressurised wind tunnel
[RAE-TM-AERO-2209] 22 p3678 N91-30481
FRAG requirements for control of fatigue testing: Second issue
[AD-A211768] 22 p3695 N91-30569
A procedure for the solution of Lambert's orbital boundary-value problem
[RAE-TM-SPACE-378] 22 p3729 N91-30760
Developments in icing test techniques for aerospace applications in the RAE Pyestock altitude test facility 23 p3796 N91-31173
Cost effective electronic components for short life space missions 24 p4004 N91-32387

ROYAL AIR FORCE, CARDINGTON (ENGLAND).
Turbulence measurements using tethered balloon instrumentation during FIRE 1987 01 p0088 N91-10518

ROYAL AIR FORCE, LONDON (ENGLAND).
Ten years flying with soft contact lenses 17 p2826 N91-25612

ROYAL AIR FORCE COLL., CRANWELL (ENGLAND).
A review of navigational techniques employed in cruise missiles and a proposed alternative solution
[ETN-90-98219] 03 p0311 N91-11744
Supervisory control for adaptative controlled processes
[ETN-90-98218] 03 p0409 N91-12287

ROYAL AIR FORCE INST. OF AVIATION MEDICINE, FARNBOROUGH (ENGLAND).
The application of USAF female anthropometric data to identify problems with the introduction of female aircrew into the Royal Air Force 02 p0246 N91-11370
Some equipment problems associated with the introduction of female aircrew into the Royal Air Force 02 p0247 N91-11373
Vestibular tests on UK astronaut candidates for an Anglo/Russian space flight (Juno Mission) 11 p1748 N91-19613

ROYAL AIRCRAFT ESTABLISHMENT, BEDFORD (ENGLAND).
Oscillatory data for typical configurations 14 p2192 N91-22109

ROYAL AIRCRAFT ESTABLISHMENT, FARNBOROUGH (ENGLAND).
Near infrared radiances observed by the UK C130 multi-channel radiometer during the marine stratocumulus IFO and preliminary comparison with model calculations 01 p0090 N91-10525
The growth of short fatigue cracks in 2024 and 2090 aluminium alloys under variable amplitude loading 02 p0223 N91-11245
Texture analysis of 2090-T8E41 aluminum-lithium alloy sheet: Annex 02 p0224 N91-11251
Research into a mission management aid 04 p0484 N91-12693
The effect of a splitter plate on the symmetry of separated flow around a delta wing of low aspect ratio
[BR115576] 09 p1273 N91-16998
The rheological behaviour and thixotropy of electrorheological suspensions in differing temperature/velocity conditions
[RAE-LIB-TRANS-2182] 16 p2619 N91-24500
Surface activation of Concorde by Be-7 16 p2708 N91-24983
A methodology for producing validated real-time expert systems 17 p2733 N91-25131
An Ada framework for the integration of KBS and control system simulations 17 p2733 N91-25134
Ion engine development at the Royal Aircraft Establishment, Farnborough
[RAE-TR-71102] 19 p3113 N91-27202
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516

Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
Experiments with the first RAE electron bombardment ion exchange
[RAE-TR-71023] 19 p3240 N91-27917
Theoretical study of the flow in a rotating duct. Experimental study through flow visualization in a curved duct
[RAE-TRANS-2189] 21 p3511 N91-29493
Temperature control in thermal batteries
[RAE-LIB-TRANS-2192] 22 p3670 N91-30433
Heat generating compositions for thermal batteries
[RAE-LIB-TRANS-2191] 22 p3670 N91-30434

ROYAL ARMAMENT RESEARCH AND DEVELOPMENT ESTABLISHMENT, WALTHAM ABBEY (ENGLAND).
Work of fracture of composites in axial compression: Measurement and origins
[RARDE-1/90] 05 p0633 N91-13505

ROYAL DUTCH AIRLINES, AMSTERDAM (NETHERLANDS).
Flight deck development and the engineering pilot
03 p0315 N91-11764
Parameter estimation for stochastic systems
03 p0316 N91-11767

ROYAL DUTCH AIRLINES, SCHIPHOL (NETHERLANDS).
Specifying, buying and accepting a flight simulator
03 p0315 N91-11762

ROYAL GREENWICH OBSERVATORY, CAMBRIDGE (ENGLAND).
Astronomical phenomena for the year 1990
06 p0912 N91-15035
The Air Almanac, 1990 06 p0912 N91-15036
The Air Almanac, 1989 06 p0912 N91-15037
The Nautical Almanac for the year 1988
07 p1078 N91-15929
The Nautical Almanac for the year 1989
07 p1080 N91-15946
Astronomical phenomena for the year 1991
[ISBN-0-11-886933-7] 09 p1424 N91-17838

ROYAL GREENWICH OBSERVATORY, HAILSHAM (ENGLAND).
The violent interstellar medium in Messier 31
05 p0750 N91-14178

ROYAL GREENWICH OBSERVATORY, HERSTMONCEUX (ENGLAND).
Carlsberg Meridian catalogue La Palma. Number 4: Observations of positions of stars and planets: May 1984 to February 1988
[ISBN-84-7469-048-X] 03 p0435 N91-12434

ROYAL INST. OF TECH., STOCKHOLM (SWEDEN).
Electric fields in magnetosphere
[TRITA-EPP-89-06] 02 p0235 N91-11312
Complementary aspects on matter-antimatter boundary layers
[TRITA-EPP-90-04] 02 p0267 N91-11496
Dynamic trapping of electrons in space plasmas
[TRITA-EPP-89-07] 02 p0272 N91-11528
The plasma universe
[TRITA-EPP-89-08] 02 p0272 N91-11529
Laboratory experiments on the magnetic field and neutral density limits on CIV interaction
[TRITA-EPP-90-01] 02 p0272 N91-11530
Potential drops supported by ion density cavities in the dynamic response of plasma diode to an applied field
[TRITA-EPP-90-03] 02 p0273 N91-11531
The dynamic response of an inhomogeneous plasma diode to an applied electric field
[TRITA-EPP-90-05] 22 p3757 N91-30941
Dynamic trapping of electrons in the Porcupine ionospheric ion beam experiment
[TRITA-EPP-90-06] 22 p3757 N91-30942
The collective gyration of a heavy ion cloud in a magnetized plasma
[NASA-CR-187823] 22 p3757 N91-30943
An extension of the Boltzmann relation to collisionless magnetized plasmas
[TRITA-EPP-90-08] 22 p3757 N91-30944
Floating zone crystal growth of Ga-doped germanium (TEXTUS 10) ESA 23 p3835 N91-31387
Floating-zone experiments with germanium crystals (TEXUS 12) ESA 23 p3835 N91-31388
Floating zone growth of germanium crystals (TEXUS 14b) ESA 23 p3835 N91-31389
Semi-confined Bridgman growth of Ga-doped Ge (MASER 2) 23 p3836 N91-31390
Solidification of alloys (TEXUS 1)
23 p3837 N91-31400
Solidification of alloys (TEXUS 2)
23 p3838 N91-31401
Macrosegregation in Ag-Sn alloys (MASER 1)
23 p3838 N91-31402
Directional solidification of Al-Cu alloys (MASER 2)
23 p3838 N91-31403
Solidification of immiscible alloys: ZnBi (TEXUS 2)
23 p3840 N91-31415
The coalescence process in immiscible alloys (TEXUS 3) 23 p3840 N91-31416
The coalescence process in immiscible alloys (TEXUS 5) 23 p3841 N91-31417
Unidirectional solidification of immiscible alloys (TEXUS 5) 23 p3841 N91-31418
Unidirectional solidification of immiscible alloys (TEXUS 7) 23 p3841 N91-31419
Unidirectional solidification of Zn-Bi samples (TEXUS 14b) 23 p3841 N91-31420
Directional solidification of immiscible alloys Zn-Pb (MASER 2) 23 p3841 N91-31421
Soldering in microgravity (TEXUS 5)
23 p3849 N91-31462

ROYAL MILITARY COLL. OF CANADA, KINGSTON (ONTARIO).
Physics and applications of low temperature superconductivity 05 p0722 N91-14032
Development of structural optimization capability at RMC
[DREA-CR-89-413] 22 p3694 N91-30564
The influence of fuel characteristics on heterogeneous flame propagation 23 p3795 N91-31165

ROYAL MILITARY COLL. OF SCIENCE, SHRIVENHAM (ENGLAND).
GWSIM: A computer based design and simulation package for land based and air weapon systems
07 p1043 N91-15723
The impact of the new management strategy on senior operational commanders at group level within Royal Air Force Strike Command
[REPT-89SDM/MCHALE/03-MDA]
11 p1812 N91-19954

ROYAL NETHERLANDS AIR FORCE, SOESTERBERG.
The selection, training, and operational work of female helicopter pilots in the Royal Netherlands Air Force
02 p0244 N91-11361

ROYAL NETHERLANDS METEOROLOGICAL INST., DE BILT.
About the possibilities of using an air mass transformation model in Taiyuan, Shanxi Province, China
[KNMI-TR-120] 01 p0093 N91-10540
Verification of GONO wave predictions for the period October 1987 to April 1988
[KNMI-TR-118] 01 p0094 N91-10545
Spectra and gradients of stormy winds at Cabauw, Netherlands, up to 200 meters high
[KNMI-TR-119] 01 p0094 N91-10546
Objective analysis of precipitation observations during the Chernobyl episode
[KNMI-TR-122] 04 p0549 N91-13048
The use of satellite data in the ECMWF analysis system
[KNMI-TR-123] 05 p0682 N91-13790
A primitive equation model for the equatorial Pacific
[KNMI-TR-124] 05 p0690 N91-13840
Verification of short term (test period) quantitative precipitation forecasts for five regions
[KNMI-TR-126] 14 p2290 N91-22664
Technical description of the high-resolution air mass transformation model at KNMI
[KNMI-TR-125] 15 p2463 N91-23646
Quantitative processing of Meteosat data: Implementation at KNMI: Applications
[KNMI-TR-127] 15 p2469 N91-23678
A guide to the Nedwam wave model
[KNMI-WR-90-04] 15 p2471 N91-23688
A primary experiment of statistical interpolation scheme used in sea waves data assimilation
[KNMI-TR-128] 16 p2661 N91-24721
Description of the RIVM/KNMI puff dispersion model
[KNMI-177] 18 p3013 N91-26638
Coordinate conversions for presenting and compositing weather radar data
[KNMI-TR-129] 23 p3856 N91-31497
Description of Crau data set: Meteosat data, radiosonde data, sea surface temperatures: Comparison of Meteosat and Heimann data
[KNMI-WR-90-03] 23 p3897 N91-31752

ROYAL NETHERLANDS METEOROLOGICAL INST., THE HAGUE.
Wave data assimilation in a 3rd generation. Wave prediction model for the North Sea: An optimal control approach
[BCRS-89-22] 02 p0242 N91-11348
Activities report of the Royal Netherlands Meteorological Institute
[ETN-91-98771] 10 p1557 N91-18562
Medium scale irregularities in the ionospheric electron content
[ETN-91-99183] 14 p2286 N91-22642

ROYAL NORWEGIAN COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, KJELLER.
Application of regional arrays in seismic verification research
[AD-A229926] 12 p1922 N91-20576
Operation, maintenance, and research activities at NORSAR, NORESS, and ARCESS
[AD-A230874] 13 p2169 N91-21970

ROYAL OBSERVATORY, EDINBURGH (SCOTLAND).
UKIRT newsletter
[UKIRT-19] 03 p0435 N91-12435
UKIRT newsletter
[UKIRT-20] 03 p0435 N91-12436
The discovery of a highly polarized bipolar nebula
06 p0911 N91-15031
SCUBA: A submillimetre camera
13 p2180 N91-22044
Radiatively-cooled telescopes for infrared space astronomy 13 p2180 N91-22048
UKIRT observer's manual
[ETN-91-99747] 23 p3938 N91-32008

ROYAL RADAR ESTABLISHMENT, MALVERN (ENGLAND).
Prediction of aircraft trajectories
02 p0173 N91-10984

ROYAL SIGNALS AND RADAR ESTABLISHMENT, MALVERN (ENGLAND).
SILAGE to ELLA translation
[RSRE-MEMO-4385] 01 p0110 N91-10639
Dependable systems using VIPER
04 p0483 N91-12690
Fault tolerance via fault avoidance
04 p0485 N91-12699
Progress in high Tc superconductors
05 p0722 N91-14031
The SWORD model of multilevel secure databases
[RSRE-90008] 05 p0731 N91-14085
Multiple quantum well NIR optical modulators: A review of the potential for optical signal processing using III-V semiconductors 07 p0941 N91-15157
Quantum well infrared detectors: An introduction
07 p0941 N91-15158
KeepSake: A database kernel
[RSRE-88014] 07 p1049 N91-15756
The Boltzmann equation in gas discharges with some application to SF6
[RSRE-MEMO-4416] 07 p1066 N91-15862
Monte-Carlo simulations of gas discharge systems with some application to SF6
[RSRE-MEMO-4417] 07 p1066 N91-15863
Models for surface scattering from solids and liquids
[RSRE-MEMO-3699] 08 p1126 N91-16192
Analysis of the performance of a single-auxiliary sidelobe canceller
[RSRE-MEMO-4375] 08 p1127 N91-16193
Techniques for investigating thin-film insulators under high electric fields
[RSRE-MEMO-4401] 09 p1326 N91-17283
VIPER project 09 p1378 N91-17573
The QR-decomposition based least-squares lattice algorithm for adaptive filtering
[RSRE-MEMO-4409] 09 p1379 N91-17580
Long self-sustained discharge pulses for CO2 lasers: Further skirmishes
[RSRE-MEMO-4415] 10 p1529 N91-18422
Reflectivity estimates for laser rangefinder targets at 1.06 and 2.06 microns wavelengths
[RSRE-MEMO-4339] 12 p1905 N91-20482
Which theorem prover (A survey of four theorem provers)
[RSRE-MEMO-4430] 12 p1959 N91-20779
Formal semantic definition of ELLA timing
[RSRE-MEMO-4436] 12 p1959 N91-20780
SPRITE-ELLA language enhancements
[RSRE-MEMO-4441] 12 p1959 N91-20781
Translating data flow diagrams into Z (and vice versa)
[RSRE-90019] 12 p1999 N91-21003
Implications of adaptive cancellation array processing for design of a space-based surveillance radar
[RSRE-MEMO-4410] 15 p2413 N91-23364
A transmission line method for the measurement of microwave permittivity and permeability
[RSRE-MEMO-4450] 15 p2418 N91-23394
Silicon avalanche photodiode active-quenching circuit
[AD-A233633] 15 p2418 N91-23395
NODEN user's guide and installation manual
[RSRE-MEMO-4438] 15 p2484 N91-23753
Functional approximation by feed-forward networks: A least squares approach to generalisation
[RSRE-MEMO-4453] 15 p2494 N91-23811
The United Kingdom waveguide power standards above 40 GHz
[RSRE-90023] 15 p2500 N91-23845
The coordinate-free representation of rotational motions
[RSRE-MEMO-4445] 15 p2500 N91-23846

Liquid-crystal characterization using the Z-scan technique
[RSRE-MEMO-4451] 15 p2517 N91-23949
Forward optical scattering from very rough surfaces near grazing incidence
[AD-A233527] 16 p2688 N91-24881
A study of copper segregation in sputtered Al-Si-Cu films using Auger electron spectroscopy
[AD-A238130] 21 p3482 N91-29316
The profile data strip: A new approach to the presentation of flight progress data
[RSRE-MEMO-4460] 22 p3617 N91-30123
Analysis of the phoneme recognition performance of the ARM continuous speech recognition system
[RSRE-MEMO-4463] 22 p3664 N91-30401
Information processing in the outer retina
[RSRE-MEMO-4469] 22 p3718 N91-30694
Z usage and abusage
[RSRE-91003] 22 p3729 N91-30755
TDF specification
[RSRE-91005] 22 p3729 N91-30756
Bidirectionality, connectivity, and instantiations in ELLA
[RSRE-MEMO-4421] 22 p3729 N91-30757
ELLA connectivity control
[RSRE-MEMO-4462] 22 p3729 N91-30758
Trial implementation of a secure application using Ten15
[RSRE-MEMO-4465] 22 p3729 N91-30759
A trainable texture anomaly detector using the Adaptive Cluster Expansion (ACE) method
[RSRE-MEMO-4437] 22 p3747 N91-30884

RRC, INC., BRYAN, TX.
Neural networks: A primer
[AD-A235920] 22 p3747 N91-30881

RUHR UNIV., BOCHUM (GERMANY, F.R.).
Three-dimensional magnetic reconnection at the Earth's magnetopause 06 p0917 N91-15059
UV-x ray relations and the Baldwin effect
09 p1445 N91-17967
CN jets as progenitors of CN shells in the coma of Comet P/Halley 10 p1621 N91-18941
Distance determination of dark clouds
10 p1622 N91-18948
Segregation behaviour of rare earths under microgravity and normal gravity conditions (TEXUS 13)
23 p3839 N91-31407

RUTGERS - THE STATE UNIV., NEW BRUNSWICK, NJ.
Identification of Cirrus over Wausau during the 1986 FIRE IFO from ground-based radiometer data
01 p0078 N91-10469
FIRE extended time/limited area observations at Palisades, New York 01 p0090 N91-10527
Synthesis, transport, and microstructural properties of Nd(1.85)Ce(0.15)CuO(4-delta)
[AD-A225049] 03 p0359 N91-12011
Magnetic properties of the electron-doped superconductor Nd(2-x)Ce(x)CuO(4-delta)
[AD-A225050] 03 p0423 N91-12365
Mechanical strength of silica xerogels
[AD-A225020] 04 p0506 N91-12808
Eye movements and visual information processing
[AD-A226782] 06 p0854 N91-14714
Three-dimensional natural convection
07 p1003 N91-15509
A sectorial analysis of the information sector in the information economy: Its comparative measurement and new classification model 08 p1242 N91-16845
Reliability issues in structural control: Component placement and sensor failure detection
14 p2196 N91-22128
French-American structural ceramics roundtable
[AD-A233146] 16 p2606 N91-24441
Annealing effects on phase 1 poly(vinylidene fluoride)
[AD-A236741] 19 p3142 N91-27366
Modeling of a large class of undamped flexible structures experiencing large angular excursions
24 p4031 N91-32525

RUTGERS - THE STATE UNIV., NEWARK, NJ.
Robustness in replicated databases
15 p2523 N91-23981

RUTGERS - THE STATE UNIV., PISCATAWAY, NJ.
The looped adhesive strip: An example of coplanar delamination interaction 01 p0051 N91-10306
Discharge poling and poly(vinylidene fluoride) films
[AD-A236810] 19 p3143 N91-27368
Effects of annealing on the polarization switching of phase 1 poly(vinylidene fluoride)
[AD-A237015] 19 p3143 N91-27371
High temperature characteristics of Nylon-11 and Nylon-7 piezoelectrics
[AD-A236809] 19 p3160 N91-27468
Ferroelectric polarization switching in nylon 11
[AD-A236985] 19 p3161 N91-27475
An extension of a kinetic theory of polymer crystallization through the exclusion of negative barriers
[AD-A236999] 20 p3322 N91-28387
Effect of TCP doping on the remnant polarization in uniaxially oriented poly(vinylidene fluoride) films
[AD-A237001] 20 p3322 N91-28388
Effect of water content on the piezoelectric properties of nylon 11 and nylon 7
[AD-A237013] 20 p3322 N91-28389

RUTGERS UNIV., NEW BRUNSWICK, NJ.
Knowledge-based aids for mechanical design
07 p1041 N91-15713
Content addressable memory project
[AD-A234524] 18 p3037 N91-26763

RUTGERS UNIV., PISCATAWAY, NJ.
Chemistry and superconductivity in thallium-based cuprates
[AD-A225051] 03 p0423 N91-12366
Modeling frequency fluctuations in surface contaminated crystal resonators
[AD-A226019] 04 p0519 N91-12888

RUTHERFORD APPLETON LAB., CHILTON (ENGLAND).
Miniature closed cycle refrigerators
05 p0723 N91-14035
A programmable electronic microplex driver unit for readout of silicon strip detectors
[RAL-90-063] 07 p1039 N91-15699
The gluon contribution to polarised nucleon structure functions
[RAL-90-062] 07 p1066 N91-15861
Two-photon physics with ultrahigh-energy heavy-ion beams
[RAL-90-037] 07 p1066 N91-15866
Physics at HERA
[RAL-90-038] 07 p1067 N91-15867
The data acquisition system for the HERA H1 experiment
[RAL-90-039] 07 p1067 N91-15868
The radiation hardness test facility
[RAL-90-065] 08 p1098 N91-16030
Phenomenological consequences of HMRS partons
[RAL-90-036] 09 p1395 N91-17675
Parton distributions at small x
[RAL-90-053] 09 p1395 N91-17676
Accurate differential photometry using the fine error sensor 09 p1438 N91-17923
Ultraviolet continuum in solar and dMe star flares
09 p1440 N91-17940
Hydrodynamic modelling of Be-binaries and its applications 09 p1442 N91-17951
The USSP/ULDA project 09 p1447 N91-17983
The standard model calculation of epsilon prime/epsilon
[RAL-90-049] 10 p1593 N91-18786
Degenerate Higgs and Z boson at LEP200
[RAL-90-059] 10 p1593 N91-18787
Jet cross sections at leading double logarithm in e+e- annihilation
[RAL-90-060] 10 p1593 N91-18788
Relativistic effects in gamma-gamma decays of P-wave positronium and qq(bar) systems
[RAL-90-061] 10 p1593 N91-18789
Parton distributions, the Gottfried sum rule and the W charge asymmetry
[RAL-90-068] 10 p1593 N91-18790
ATSR: Precise sea surface temperature from the ERS-1 satellite 15 p2454 N91-23601
The effect of a neutrino magnetic moment on nuclear excitation processes
[RAL-91-010] 24 p4095 N91-32876
A unified formalism for gamma gamma to meson and psi to gammaX with possible tests for hybrid and gluonic hadrons
[RAL-91-039] 24 p4095 N91-32877

RUTHERFORD HIGH ENERGY LAB., CHILTON (ENGLAND).
Particle physics experiments, 1990
[RAL-91-001] 15 p2505 N91-23877
Prospects for relic neutrino detection
[RAL-91-017] 22 p3753 N91-30923
Supernova detectors based on coherent nuclear recoil
[RAL-91-016] 22 p3778 N91-31074

S

SAAB-SCANIA, LINKOPING (SWEDEN).
Experiences gained in the SF340 airworthiness process 03 p0307 N91-11712

SAAB SPACE A.B., GOETEBORG (SWEDEN).
Radiation assessment of complex technologies
24 p3997 N91-32342

SAAB-SPACE A.B., LINKOEPING (SWEDEN).
Automatic treatment of flight test images using modern tools: SAAB and Aeritalia joint approach
[ETN-91-99773] 22 p3680 N91-30492

SAC TECHNOLOGY LTD., WALTON-ON-THAMES (ENGLAND).
Assessment of the application of the working group 22 standard bump concept to a current military aircraft
20 p3285 N91-28166

SAINT ANDREW'S UNIV. (SCOTLAND).
Optical parametric oscillators pumped by excimer lasers 15 p2432 N91-23473
Generation and nonlinear propagation of ultrashort near-infrared laser pulses 22 p3682 N91-30502

SAINT-ETIENNE UNIV. (FRANCE).
Bone adaptation to real and simulated microgravity
11 p1753 N91-19643
Aragatz Mission: Bone densitometric results obtained with the SCOOP miniscanner 11 p1761 N91-19690

SALFORD UNIV. (ENGLAND).
New correction procedures for the fast field program which extend its range 08 p1217 N91-16699
Active control of V/STOL aircraft
19 p3107 N91-27166

SALISBURY STATE UNIV., MD.
Land altimetry using satellite data from the GEOSAT sea altimeter 17 p2879 N91-25922

SAM HOUSTON STATE UNIV., HUNTSVILLE, TX.
Optical and electrical properties of thin superconducting films
[NASA-CR-188668] 19 p3246 N91-27956

SAN DIEGO STATE UNIV., CA.
Inverse gas chromatography
[AD-A227677] 08 p1110 N91-16099
Optimization of a power transient stability program on a vector supercomputer: Theory and applications
[AD-A227884] 08 p1202 N91-16607
Photoabsorption and photodissociation of molecules important in the interstellar medium
[NASA-CR-187944] 09 p1448 N91-17991
Schema-based theories of problem solving
[AD-A233003] 16 p2678 N91-24823
Modeling the response of plants and ecosystems to global change
[DE91-017403] 24 p4042 N91-32587

SAN FRANCISCO STATE UNIV., CA.
The spectroscopic, chemical, and photophysical properties of Martian soils and their analogs (MERC, phase 2)
[NASA-CR-187898] 09 p1449 N91-17993
Reflectance spectroscopy of palagonite and iron-rich montmorillonite clay mixtures: Implications for the surface composition of Mars 18 p3088 N91-27075

SAN FRANCISCO UNIV., CA.
Radiation experiments on Cosmos 2044: K-7-41, parts A, B, C, D, E
[NASA-CR-188540] 17 p2860 N91-25819

SAN JOSE STATE UNIV., CA.
Stratus surge prediction along the Central California coast
[PB91-129239] 13 p2120 N91-21668

SAN JOSE STATE UNIV., SAN FRANCISCO, CA.
The effects of compressor seventh-stage bleed air extraction on performance of the F100-PW-220 afterburning turbofan engine
[NASA-CR-179447] 12 p1835 N91-20085

SANDIA LABS., ALBUQUERQUE, NM.
Improving managers' effectiveness
[DE91-016405] 23 p3934 N91-31988

SANDIA NATIONAL LABS., ALBUQUERQUE, NM.
Infrared absorption in boron carbides: Dependence on isotope and carbon concentration
[DE90-017592] 01 p0022 N91-10132
Weldability of nickel and iron aluminides
[DE90-013498] 01 p0026 N91-10153
A weldability study of Haynes Alloy no. 242
[DE90-013875] 01 p0026 N91-10154
Anomalous dispersion as a phase-matching technique for second harmonic generation
[DE90-015696] 01 p0029 N91-10172
Thermochemistry of shock-induced exothermic reactions in selected porous mixtures
[DE90-016104] 01 p0031 N91-10183
Hydrogen-tritium getters and their applications
[DE90-016282] 01 p0031 N91-10184
Organic getter materials for the removal of hydrogen and its isotopes
[DE90-016284] 01 p0031 N91-10185
Statistical characterization of a mode-stirred chamber
[DE90-014860] 01 p0034 N91-10202
Minimizing frequency pulling of quartz oscillators due to power supply variations
[DE90-014566] 01 p0037 N91-10218
Sodium-neon resonant photoexcitation soft x ray laser experiments on Saturn
[DE90-014946] 01 p0046 N91-10275
Development of the force envelope for an acceleration/force extremal controlled vibration test
[DE90-015712] 01 p0056 N91-10329

Measurements of the light-absorbing material inside cloud droplets and its effect on cloud albedo
01 p0091 N91-10528
Software safety workshop problem
[DE90-016222] 01 p0108 N91-10630
Performance and operational characteristics of a Fiber Distributed Data Interface (FDDI) ring
[DE90-016103] 01 p0111 N91-10649
Intrinsic (?) reference standards
[DE90-015714] 01 p0118 N91-10696
PREGO: A simulation code for one-dimensional viscoelastic acoustics
[DE90-014859] 01 p0118 N91-10700
Numerical models of beam dynamics in ion induction linacs
[DE90-017043] 01 p0120 N91-10713
A refractive index gradient (RING) diagnostic for transient discharges or expansions of vapor or plasmas
[DE90-015840] 01 p0125 N91-10736
Theoretical analysis of a runaway electron suppression device
[DE90-015992] 01 p0125 N91-10737
Measured silicon displacement damage ratios support the need to replace the ASTM E-722 damage function with the NJOY calculated function
[DE90-016225] 01 p0129 N91-10762
Renormalization from density functional theory strong coupling models for the electronic structure of La2CuO4
[DE90-015990] 01 p0129 N91-10765
Computer modeling of 12-inch actuator shock test performance
[DE90-017038] 02 p0184 N91-11033
Tethered rocket as a vehicle for penetration and impact testing: Development report
[DE90-014865] 02 p0189 N91-11057
In-situ pore structure analysis during aging and drying of gels
[DE91-000044] 02 p0195 N91-11089
Solderability of environmentally exposed Sn-plated surfaces
[DE91-000035] 02 p0198 N91-11110
Microstructures of cubic Al2O3 precipitates in oxygen-implanted aluminum
[DE91-000038] 02 p0198 N91-11111
Attenuation studies of booster-rocket propellants and their simulants
[DE91-000098] 02 p0202 N91-11131
Terrestrial nickel/hydrogen battery evaluation
[DE90-014863] 02 p0206 N91-11151
Development of hermetic microminiature connectors
[DE90-015562] 02 p0206 N91-11153
A radiation hardened SONOS/CMOS EEPROM family
[DE90-015993] 02 p0206 N91-11154
Reference concepts for a space-based hydrogen-oxygen combustion, turboalternator, burst power system
[DE90-016692] 02 p0206 N91-11155
An expert system for automated robotic grasping
[DE90-010820] 02 p0219 N91-11221
Improved tracking for bilateral teleoperators with time delay
[DE90-015392] 02 p0219 N91-11222
Archimedes: A system that plans and executes mechanical assemblies
[DE91-000036] 02 p0220 N91-11231
Implementation of a QML (Qualified Manufacturer's List) methodology for discrete semiconductors
[DE90-015715] 02 p0221 N91-11235
Thermal stresses in layered electrical assemblies bonded with solder
[DE90-015563] 02 p0226 N91-11263
Bench-scale testing of a heat-pipe receiver for solar thermal electric applications
[DE90-009834] 02 p0231 N91-11289
Generic quality assurance/quality control guide for photovoltaic concentrator design, development and system installation
[DE90-017040] 02 p0231 N91-11290
An adaptive finite element technique using element equilibrium and paving
[DE90-015829] 02 p0254 N91-11410
The design, testing and fabrication of an extruded, linear focus Fresnel lens
[DE90-014852] 02 p0270 N91-11516
Electric-field dependent electroreflectance and photocurrent spectroscopy in InGaAs/InAlAs strained-layer superlattices
[DE90-015698] 02 p0277 N91-11559
Nonparabolic conduction bands and masses in strained-single-quantum wells
[DE90-017028] 02 p0277 N91-11560
Photoluminescence studies of In(x)Ga(1-x)As/Al(y)Ga(1-y)As strained-layer structures
[DE90-017031] 02 p0278 N91-11561
Stress accommodation in large-mismatch systems
[DE90-017032] 02 p0278 N91-11562
Optical characterization of CdZnTe/CdTe strained quantum wells
[DE90-017036] 02 p0278 N91-11563
Light-heavy-hole-mixing-induced selection rules for magneto-luminescence and valence-band energy dispersion in semiconductor quantum wells
[DE90-015989] 02 p0280 N91-11573
Formation and stability of As-H bonds in H-implanted GaAs
[DE91-000043] 02 p0282 N91-11584
Characteristics and development report for the MC3714 thermal battery
[DE91-000095] 03 p0359 N91-12013
Simplified Velocity Interferometer System for Any Reflector (VISAR) system
[DE91-000024] 03 p0370 N91-12073
Standards Laboratory environments
[DE91-000459] 04 p0488 N91-12711
Sintering maps for ceramic-filled-glass composites
[DE91-001229] 04 p0498 N91-12765
Detonation cell widths in hydrogen-air-diluent mixtures
[DE91-000771] 04 p0502 N91-12790
The Robotic Edge Finishing Laboratory
[DE91-000475] 04 p0513 N91-12850
Mode-stirred chamber measurements of the shielding effectiveness of select cables and connectors
[DE91-000466] 04 p0518 N91-12879
Evaluation of uniaxial and triaxial shock isolation techniques for a piezoresistive accelerometer
[DE91-000773] 04 p0527 N91-12922
Characterization of a laser-beam spinning technique
[DE91-000478] 04 p0529 N91-12936
Dynamic yield strength and spall strength measurements under quasi-isentropic loading
[DE90-016105] 04 p0537 N91-12977
Customized airfoils and their impact on VAWT cost of energy
[DE91-000408] 04 p0543 N91-13014
High-efficiency silicon solar cells for use with a prismatic cover at 160 suns
[DE91-000468] 04 p0544 N91-13015
Fatigue analysis of WECS (Wind Energy Conversion System) components using a rainflow counting algorithm
[DE91-000774] 04 p0544 N91-13016
Performance of amorphous silicon photovoltaic systems, 1985-1989
[DE91-000480] 04 p0544 N91-13017
Finite element error estimation and adaptivity based on projected stresses
[DE91-000483] 04 p0571 N91-13172
Using power series expansions of moduli to interpolate between release curves from dynamic tests: Technique and application
[DE91-000091] 04 p0573 N91-13184
Design of a dual port volume measuring system
[DE91-000883] 04 p0578 N91-13222
Inertial confinement fusion with light ion beams
[DE91-001224] 04 p0585 N91-13266
A Josephson junction to FET high speed line driver made of TlCaBaCuO
[DE90-017542] 04 p0590 N91-13295
Solid state radioluminescent sources using zeolites
[DE90-017594] 04 p0590 N91-13296
Effect of bulk viscosity in low density, hypersonic blunt body flows
[DE90-012756] 05 p0616 N91-13419
An exploratory program for using hydrous metal oxide ion exchangers as Fischer-Tropsch catalysts
[DE91-002341] 05 p0635 N91-13521
Dynamic high-pressure studies of an electrothermal capillary
[DE91-000966] 05 p0651 N91-13617
Single event upset hardening techniques
[DE91-002337] 05 p0653 N91-13625
Tubular lap joints for wind turbine applications
[DE91-001341] 05 p0672 N91-13736
On the design of component test plans based on system reliability objectives
[DE90-017034] 05 p0673 N91-13745
A structural constitutive algorithm based on continuum damage mechanics for softening with snapback
[DE90-015841] 05 p0679 N91-13773
Status of concentrator collector and high-efficiency concentrator cell development
[DE91-001260] 05 p0682 N91-13793
A theoretical investigation of effective surface recombination velocity in AlGaAs/GaAs heteroface solar cells
[DE91-001754] 05 p0683 N91-13795
Carbon dioxide reforming of methane in a solar volume-TRIC receiver-reactor: The CAESAR (Catalytically Enhanced Solar Absorption Receiver) project
[DE91-002340] 05 p0683 N91-13800
Experiments on bench-scale heat-pipe solar receivers
[DE90-013806] 05 p0684 N91-13806
The role of chemical interactions in ion-solid processes
[DE91-000763] 05 p0713 N91-13977
Application of parallel computing to the Monte Carlo simulation of electron scattering in solids: A rapid method for profile deconvolution
[DE91-001227] 05 p0713 N91-13980
Multiplexer/amplifier test results for SP-100
[DE91-004504] 05 p0715 N91-13990
Band-gap narrowing and III-V heterostructure FETs (Field-Effect Transistors)
[DE91-000401] 05 p0726 N91-14056
Optimal sensor fusion for land vehicle navigation
[DE91-002586] 06 p0779 N91-14319
LWIR detector research in InAsSb/InAs
06 p0796 N91-14406
Laser studies of the interaction of SiO with the surface of a thin film
[DE91-004562] 06 p0806 N91-14450
Amorphization of C-implanted Fe(Cr) alloys
[DE91-001338] 06 p0809 N91-14469
Flow behavior of Ti-24Al-11Nb at high strain rates
[DE91-004506] 06 p0810 N91-14473
Adhesion at ceramic interfaces
[DE91-001660] 06 p0811 N91-14480
Kinetics of molecular beam epitaxy: Effect of ion-induced sputtering
[DE91-004511] 06 p0813 N91-14493
Manufacturing Technology: A Sandia Technology Bulletin, Volume 1, No. 1
[DE91-002518] 06 p0815 N91-14504
The inclusion of wall loss in electromagnetic finite-difference time-domain thin-slot algorithms
[DE91-001046] 06 p0819 N91-14524
An investigation of using a phase-change material to improve the heat transfer in a small electronic module for an airborne radar application
[DE91-002597] 06 p0819 N91-14525
A materials database for Li(Si)/FeS2 thermal batteries
[DE91-002592] 06 p0820 N91-14531
Triggering GaAs lock-on switches with laser diode arrays
[DE91-002419] 06 p0820 N91-14532
Total-dose radiation hardness assurance for space electronics
[DE91-002425] 06 p0820 N91-14533
Optically-triggered GaAs thyristor switch s: Integrated structures for environmental hardening
[DE91-001355] 06 p0824 N91-14553
A fast solver for systems of axisymmetric ring vortices
[DE91-002594] 06 p0825 N91-14561
Dynamic stability of a spinning tube conveying a fluid through a symmetrical noncircular cross-section
[DE91-004146] 06 p0828 N91-14573
Characterization of semiconductor surface-emitting laser wafers
[DE91-001336] 06 p0832 N91-14598
The use of light emission in failure analysis of CMOS ICs
[DE91-001234] 06 p0838 N91-14633
Processing experiments for development of high-efficiency silicon solar cells
[DE91-002698] 06 p0841 N91-14645
Damping measurements using operational data
[DE91-002781] 06 p0841 N91-14646
Solar concentrator development in the US
[DE91-001232] 06 p0842 N91-14649
Fatigue reliability of wind turbine components
[DE91-001262] 06 p0842 N91-14650
Reliability of photovoltaic concentrator modules
[DE90-012754] 06 p0842 N91-14651
The synthesis of solar radiation data for sizing stand-alone photovoltaic systems
[DE90-012758] 06 p0842 N91-14652
A balloon-borne aerosol spectrometer for high altitude low aerosol concentration measurements
[DE91-002563] 06 p0844 N91-14661
A balloon-borne integrating nephelometer
[DE91-001037] 06 p0849 N91-14687
Characterization of electron cyclotron resonance hydrogen plasmas
[DE91-001250] 06 p0876 N91-14844
FTIR (Fourier Transform Infrared) spectrophotometry for thin film monitors: Computer and equipment integration for enhanced capabilities
[DE91-001228] 06 p0879 N91-14853
Rise time and recovery of GaAs photoconductive semiconductor switches
[DE91-001267] 06 p0879 N91-14854
Effect of step edge transition rates and anisotropy in simulations of epitaxial growth
[DE91-001251] 06 p0882 N91-14875
Irradiation-induced pinning in single-crystal and thin-film Tl2Ca2Ba2Cu3O10 superconductors
[DE91-001342] 06 p0882 N91-14877

Aircraft compatibility tasks required for the release of an Aircraft Compatibility Control Drawing (ACCD)
[DE91-004698] 07 p0945 N91-15179

Joint computational/experimental aerodynamics research on a reentry vehicle. Part 1: Experimental results
[DE90-012759] 07 p0962 N91-15296

Shock-induced chemical reactions and synthesis of binary compounds
[DE91-004296] 07 p0976 N91-15355

Solderability and environmental testing of Sn-plated surfaces
[DE91-004035] 07 p0979 N91-15371

Long range Coulomb effects on hydrogen debonding from boron acceptors in silicon
[DE91-004031] 07 p0985 N91-15408

New capabilities and applications for electrophoretically deposited coatings
[DE91-004512] 07 p0985 N91-15409

Planar-shock and penetration response of ceramics
[DE91-004569] 07 p0986 N91-15410

Detection and frequency tracking of chirping signals
[DE91-000470] 07 p0994 N91-15457

Effect of radiation-induced charge on 1/f noise in MOS devices
[DE90-015991] 07 p0998 N91-15479

Hole-trapping/hydrogen transport (HT sup 2) model for interface-trap buildup in MOS devices
[DE91-000020] 07 p0998 N91-15480

Monolithically integrated GaAs thyristor-transistor as a hardened optically-triggered switch
[DE91-000040] 07 p0999 N91-15486

Optically-triggered hardened thyristors for firing set circuits
[DE91-000041] 07 p0999 N91-15487

Travelling wave Faraday effect fiber current sensors
[DE90-015701] 07 p1004 N91-15514

Techniques for controlling a two-link flexible arm
[DE91-004818] 07 p1012 N91-15555

On the construction of constitutive equations for large deformations
[DE90-015832] 07 p1015 N91-15570

Time finite element methods for large rotational dynamics of multibody systems
[DE91-002336] 07 p1061 N91-15838

Minority carrier induced debonding of hydrogen from shallow donors in silicon
[DE91-004032] 07 p1065 N91-15855

Carborane films: Applications to first-wall problems in tokamaks
[DE91-004034] 07 p1068 N91-15878

CCST (Center for Compound Semiconductor Technology) research briefs
[DE91-002954] 07 p1071 N91-15892

Response time satisfaction in a real-time knowledge-based system
[DE90-015994] 07 p1077 N91-15927

Aerosol Dynamics Laboratory
[DE90-010275] 08 p1098 N91-16027

Graphical analysis of barrel-tamped explosively accelerated flyer plates
[DE90-010299] 08 p1098 N91-16028

Magnetic-field shielding of satellites from high-energy-electron environments
[DE90-010296] 08 p1101 N91-16043

Sensor-based automated docking of large payloads
[DE90-011020] 08 p1101 N91-16044

Joint computational/experimental aerodynamics research on a reentry vehicle. Part 2: Computational results
[DE90-012765] 08 p1102 N91-16054

The effect of stratification on gravitational coagulation and settling of aerosols
[DE90-010153] 08 p1107 N91-16079

Atomic-scale simulation of adhesion between metallic surfaces
[DE91-004722] 08 p1115 N91-16127

Comparison of the thermal stability of the codeposited carbon/hydrogen layer to that of the saturated implant layer in graphite
[DE90-012148] 08 p1118 N91-16144

The effect of charge mixture ratio and particle size on igniter plume heat transfer characteristics
[DE90-010833] 08 p1121 N91-16160

Modeling laser ignition of explosives and pyrotechnics: Effects and characterization of radiative transfer
[DE90-011052] 08 p1121 N91-16161

Numerical modeling tools for transient electromagnetic problems
[DE90-010328] 08 p1124 N91-16180

Characterization and development report for the SA2859: A silicon controlled rectifier
[DE90-010196] 08 p1130 N91-16217

Total-dose degradation of thin film ferroelectric capacitors
[DE90-007152] 08 p1130 N91-16218

The 1/f noise in irradiated MOS devices
[DE90-007288] 08 p1131 N91-16219

Radiation hardening of a high voltage IC technology (BCDMOS)
[DE90-008345] 08 p1131 N91-16220

A transformer coupled semiconductor bridge igniter for low voltage ignition from a high voltage source
[DE90-009974] 08 p1131 N91-16221

An algorithm for using a slide-screw tuner as a computer-controlled impedance
[DE90-010657] 08 p1132 N91-16226

Microwave coupling on printed circuit boards
[DE90-011237] 08 p1133 N91-16232

Development of a moderate rate lithium/thionyl-chloride D cell
[DE90-011909] 08 p1133 N91-16233

Novel applications of Tl-Ca-Ba-Cu-O thin films to active and passive high frequency devices
[DE91-004507] 08 p1134 N91-16240

Properties and characterization of thin film ferroelectric capacitors for nonvolatile memories
[DE91-004037] 08 p1134 N91-16242

Aerosol cloud generation experiments
[DE90-011051] 08 p1138 N91-16264

X-Ray Detector: An x-ray radiation detector design code
[DE90-008235] 08 p1147 N91-16317

Ion contamination of x ray pinhole camera images on PBFA 2
[DE90-012180] 08 p1149 N91-16325

Interferometric second-harmonic-generation autocorrelator for characterizing femtosecond pulses
[DE90-010331] 08 p1152 N91-16345

Haptic perception with an articulated, sensate robot hand
[DE90-010195] 08 p1157 N91-16371

Experimental verification of physical model of pulsed laser welding
[DE91-000025] 08 p1158 N91-16380

Statistical process control for QML (Qualified Manufacturer's List) radiation hardness assurance
[DE90-007413] 08 p1161 N91-16394

Self-discharge study of Li-alloy/FeS2 thermal cells
[DE90-010659] 08 p1169 N91-16438

Seismic signal processing optimized for a specific source and receiver
[DE90-010189] 08 p1175 N91-16468

ANEOS: Analytic equations of state for shock physics codes input manual
[DE90-010198] 08 p1196 N91-16575

Implementation of the phase gradient algorithm
[DE90-012160] 08 p1197 N91-16579

A trellis-searched APC (Adaptive Predictive Coding) speech coder
[DE91-000866] 08 p1197 N91-16581

Linear algebra for dense matrices on a hypercube
[DE90-010533] 08 p1209 N91-16647

Multiple-frequency surface acoustic wave devices as sensors
[DE90-009972] 08 p1213 N91-16675

Utilization of polymer viscoelastic properties in acoustic wave sensor applications
[DE90-010534] 08 p1213 N91-16676

Thermal emission model for the anneal of radiation-induced trapped holes
[DE90-007285] 08 p1220 N91-16718

Plasma-facing materials
[DE90-008243] 08 p1226 N91-16753

Characterization of chemically prepared PZT thin films
[DE90-010831] 08 p1232 N91-16789

Microwave-detected photoconductance decay
[DE90-011505] 08 p1233 N91-16795

Far-infared laser spectroscopy of two dimensional holes in strained-layer heterostructure and superlattices
[DE91-000027] 08 p1235 N91-16805

Thermal desorption studies of isotopically-labeled oxygen-induced superconductivity in La2CuO(4+delta)
[DE91-004898] 08 p1236 N91-16812

Photocatalytic destruction of chlorinated solvents with solar energy
[DE91-000767] 09 p1310 N91-17193

Quantitative infrared determination of composition and properties of Borophosphosilicate Glass (BPSG) thin films using multivariate calibration
[DE90-017030] 09 p1319 N91-17243

Development of diode laser-ignited pyrotechnic and explosive components
[DE90-011238] 09 p1319 N91-17245

Lithium battery safety and reliability
[DE91-005800] 09 p1330 N91-17306

Performance of three-crystal 1800 watt CW Nd:YAG laser
[DE91-004791] 09 p1341 N91-17365

Calorimetric measurements of energy transfer efficiency and melting efficiency in CO2 laser beam welding
[DE91-005861] 09 p1342 N91-17373

Surface-emitting laser logic
[DE91-005055] 09 p1343 N91-17377

Analysis and design of two stretched-membrane parabolic dish concentrators
[DE90-015831] 09 p1356 N91-17446

Photovoltaic concentrator module reliability: Failure modes and qualification
[DE91-004290] 09 p1356 N91-17447

Numerical modeling of dish-Stirling reflux solar receivers
[DE91-004510] 09 p1356 N91-17448

A 34-meter VAWT (Vertical Axis Wind Turbine) point design
[DE91-004565] 09 p1356 N91-17449

An update on the development of heat-pipe solar receivers for Stirling/dish-electric systems
[DE91-004568] 09 p1356 N91-17450

Iterative methods for nonsymmetric systems on MIMD machines
[DE91-002780] 09 p1375 N91-17554

Archimedes: An experiment in automating mechanical assembly
[DE90-009001] 09 p1375 N91-17556

X ray reflectivity measurements of surface roughness using energy dispersive detection
[DE91-004819] 09 p1399 N91-17700

Modeling of runaway electron damage for the design of tokamak plasma facing components
[DE90-008237] 09 p1399 N91-17704

Field dependence of interface trap buildup in Si-gate MOS devices
[DE90-007679] 09 p1409 N91-17752

Development of infrared detectors based on Type 2, InAsSb strained-layer superlattices
[DE91-004727] 09 p1413 N91-17779

Low pressure MOCVD growth of InSb
[DE91-005839] 09 p1414 N91-17781

Strained-layer electronics and optoelectronics
[DE91-004505] 09 p1415 N91-17790

Justification for using scale models for impact response evaluation of the SST transportation system
[DE91-006100] 10 p1485 N91-18182

Interactions at glass-ceramic to metal interfaces
[DE91-006630] 10 p1495 N91-18231

Identification of surface contaminants using infrared micro-profiling
[DE91-006779] 10 p1496 N91-18236

Measurements of To temperatures of supersaturated Si-As alloys
[DE91-006774] 10 p1500 N91-18254

Microcellular foams prepared from demixed polymer solutions
[DE91-004816] 10 p1504 N91-18277

Development of Kevlar parachute webbings
[DE91-007513] 10 p1505 N91-18285

A central refrigeration system to support multiple environmental test chambers: Design, development, and evaluation
[DE91-004997] 10 p1507 N91-18295

Thermal and electrostrictive expansion characteristics of MLC (multilayer ceramic) capacitors
[DE91-005962] 10 p1518 N91-18357

A method for encapsulating high voltage power transformers
[DE91-006644] 10 p1519 N91-18364

Advanced lead-acid batteries for utility applications
[DE91-007070] 10 p1520 N91-18367

Fluxless laser soldering of radar housings
[DE91-005223] 10 p1528 N91-18414

Large-strain quasi-static compression materials tests in support of penetration modeling research
[DE91-004147] 10 p1532 N91-18438

Advanced solar concentrator development in the United States
[DE91-005143] 10 p1539 N91-18470

Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish. 2: Modeling and analysis
[DE91-005859] 10 p1540 N91-18475

Solar reforming of methane in a direct absorption catalytic reactor on a parabolic dish
[DE91-005054] 10 p1544 N91-18497

The Sandia Transportable Triggered Lightning Instrumentation Facility
[DE91-006776] 10 p1557 N91-18564

Damage to metallic samples produced by measured lightning currents
[DE91-006777] 10 p1558 N91-18565

Tuning computer communications networks and protocols
[DE90-012764] 10 p1576 N91-18673

Scattering of photons from atomic electrons
[DE91-006268] 10 p1592 N91-18778

The preparation of InAsSb/InSb SLS (Strained-Layer Superlattice) and InSb photodiodes by MOCVD
[DE91-006781] 10 p1608 N91-18872

Superconducting demodulators, differential voltmeters, and transducers
[DE91-006773] 10 p1609 N91-18877
Selective suppression of carrier-driven photochemical etching: Raman spectroscopy as a diagnostic tool
[DE91-007495] 10 p1610 N91-18885
Experience with more productive information systems design at Sandia National Laboratories
[DE91-005237] 10 p1613 N91-18901
Predictive data compression with exact recovery (summary)
[DE91-005863] 10 p1613 N91-18903
The development of a ram air decelerator for the recovery of artillery shells
[DE91-007732] 11 p1643 N91-19064
The design and flight testing of a high-performance low-cost parachute system for a 1000 lb payload
[DE91-007733] 11 p1644 N91-19065
Designing for explosive safety: The Explosive Components Facility at Sandia National Laboratories
[DE91-006432] 11 p1652 N91-19103
Low temperature properties of boron carbides
[DE91-008172] 11 p1677 N91-19243
Stress corrosion cracking of Al-Li-Cu-Zr alloy 2090 in aqueous Cl(-) and mixed CO3(2-)/Cl(-) environments
[DE91-007064] 11 p1682 N91-19269
Application of non-cyanide gold for selective plating of microelectronic circuits
[DE91-007729] 11 p1683 N91-19276
The mechanical behavior of microcellular foams
[DE91-006775] 11 p1686 N91-19291
Phenomena affecting morphology of microporous poly(acrylonitrile) prepared via phase separation from solution
[DE91-004501] 11 p1687 N91-19297
Polymer characterization using the time-resolved phosphorescence of singlet oxygen as a spectroscopic probe
[DE91-001269] 11 p1688 N91-19303
Sandia technology: Engineering and science applications
[DE91-006760] 11 p1692 N91-19322
Unique Signal Override Plug (USOP) electromagnetic test report
[DE91-004996] 11 p1694 N91-19330
Measurement of electromagnetic fields over a small electrolytic tank
[DE91-007500] 11 p1695 N91-19334
Capattery double layer capacitor life performance
[DE91-006639] 11 p1697 N91-19344
Exploratory battery technology development and testing report for 1989
[DE91-006753] 11 p1698 N91-19352
The development of a rugged accelerometer
[DE91-007731] 11 p1708 N91-19407
Superconducting instrumentation for critical He-4 measurements in space
[DE91-007894] 11 p1708 N91-19408
Focusing infrared laser beams on targets in space without using adaptive optics
[DE91-007518] 11 p1710 N91-19421
Laser Tracker 2: Sandia National Laboratories' second generation laser tracking system
[DE91-007711] 11 p1711 N91-19424
FALCON reactor-pumped laser description and program overview
[DE91-008185] 11 p1712 N91-19431
Minimum-time trajectory control of a two-link flexible robotic manipulator
[DE91-001261] 11 p1716 N91-19448
Lag-stabilized force feedback damping
[DE91-007572] 11 p1722 N91-19481
The design of future central receiver power plants based on lessons learned from the Solar One Pilot Plant
[DE91-005224] 11 p1727 N91-19510
A haptic system for a multifingered hand
[DE90-017044] 11 p1760 N91-19767
Practical path planning among movable obstacles
[DE91-000034] 11 p1781 N91-19768
Parameter estimation of structural dynamic models using Eigenvalue and Eigenvector information
[DE91-004379] 11 p1785 N91-19793
Design considerations for multi component molecular-polymeric nonlinear optical materials
[DE91-006778] 11 p1799 N91-19872
US-Japan workshops: Q-111, Development of Plasma Facing Components and Materials for Next Large Fusion Devices, and Q-112, Vacuum and First Wall Technology for Fusion Devices
[DE91-006879] 11 p1802 N91-19896
Optical diagnostics for low-temperature plasmas
[DE91-007896] 11 p1804 N91-19907
Considerations relating to pulsed-beam modification of materials
[DE91-006771] 11 p1807 N91-19922
Compound semiconductors, strained layer epitaxy, and the information age
[DE91-007735] 11 p1808 N91-19932
Electronic charge density and bonding in alpha-boron: An experimental-theoretical comparison
[DE91-006629] 11 p1809 N91-19936
Phase formation in the Ti-Ca-BaCu-O system
[DE91-008184] 11 p1810 N91-19942
Analyzing product test data in a relational database using SAS software
[DE91-007734] 11 p1813 N91-19960
An architecture for accommodating referenceability among intelligent electronic documents
[DE91-008250] 11 p1814 N91-19964
Analyzing product test data in an INGRES database using SAS software
[DE91-008251] 11 p1814 N91-19965
Design and performance of a parachute for the recovery of a 760-lb payload
[DE91-007509] 12 p1830 N91-20059
F111 Crew Escape Module pilot parachute
[DE91-007573] 12 p1832 N91-20066
Advanced thermally stable jet fuels development program annual report. Volume 1: Model and experiment system development
[AD-A229692] 12 p1878 N91-20322
Micromachined sensors and actuators
[DE91-008257] 12 p1908 N91-20498
Models for multimegawatt space power systems
[DE91-008008] 12 p1920 N91-20561
Effect of equations of state on transient burning analysis of pyrotechnic materials in a closed system
[DE91-009167] 13 p2050 N91-21280
CO2 induced inhibition of the localized corrosion of aluminum, Al-0.5 percent Cu, and Al-2 percent Cu in dilute HF solution
[DE91-005312] 13 p2052 N91-21292
UV cured epoxy resin coatings
[DE91-008180] 13 p2054 N91-21303
High temperature deformation of silicon
[DE91-009102] 13 p2054 N91-21305
An evaluation of the effects of varying composition and processing on several encapsulating resins
[DE91-009101] 13 p2056 N91-21314
How clean is clean. How clean is needed
[DE91-008173] 13 p2068 N91-21391
Surface cleaning by laser ablation
[DE91-009189] 13 p2091 N91-21505
A discussion of the xenon laser intensity as a function of pump rate
[DE91-009225] 13 p2091 N91-21506
Optical properties of a nuclear reactor pumped gas laser
[DE91-009226] 13 p2091 N91-21507
High efficiency surface-emitting semiconductor laser resonators
[DE91-005236] 13 p2091 N91-21510
Theory of semiconductor laser feedback instability
[DE91-008198] 13 p2091 N91-21512
A comparison of calculational results with experimental data for long rod projectiles
[DE91-009006] 13 p2095 N91-21536
Update of PRONTO 2D and PRONTO 3D transient solid dynamics program
[DE91-009183] 13 p2101 N91-21564
Dynamics of rotating flexible structures by a method of quadratic modes
[DE91-009224] 13 p2101 N91-21565
Experimental laboratory system to generate high frequency test environments
[DE91-008252] 13 p2104 N91-21583
A modified SLIC material interface reconstruction algorithm for Eulerian codes
[DE91-009175] 13 p2133 N91-21740
Signal parameter algorithms for trend analysis of digital data acquisition systems
[DE91-008171] 13 p2134 N91-21749
Stability analysis of time-dependent transport algorithms
[DE91-009170] 13 p2134 N91-21750
Structural analysis on massively parallel computers
[DE91-009038] 13 p2139 N91-21773
Uncertainty estimates for derivatives and intercepts
[DE91-004503] 13 p2143 N91-21802
Chaotic and random processes
[DE91-008574] 13 p2144 N91-21804
FWP executive summaries: Basic energy sciences, materials sciences programs
[DE91-009223] 13 p2147 N91-21826
Dip coating of sol-gels
[DE91-007571] 13 p2154 N91-21872
EBIC (Electron Beam Induced Current) contrast of clean, decorated and deuterium passivated Si(Ge) epitaxial misfit dislocations
[DE91-006967] 13 p2160 N91-21912
On the crystal structure of boron carbides
[DE91-009256] 13 p2161 N91-21914
Administrative information systems plan, FY 1991 - FY 1995
[DE91-008072] 13 p2168 N91-21964
Relational databases with NIAM models bid so long to top-down designs
[DE91-009191] 13 p2168 N91-21965
An introduction to testing parachutes in wind tunnels
[DE91-009166] 14 p2189 N91-22094
Phased-array antenna control by a monolithic photonic integrated circuit
[DE91-010479] 14 p2258 N91-22490
General theme report: Working session 2, solar thermal systems
[DE91-009251] 14 p2281 N91-22616
The DOE solar thermal electric program concentrator technology project
[DE91-009253] 14 p2281 N91-22617
Direct optical phase shifter for phased-array systems
[DE91-010480] 14 p2327 N91-22657
A vortex panel method for calculating aircraft downwash on parachute trajectories
[DE91-009764] 15 p2365 N91-23085
Ion beam testing of the Aerolor X-point dump plate for the Joint European Torus
[DE91-010719] 15 p2393 N91-23245
The solidification behavior of an alloy 625/718 variant
[DE91-009544] 15 p2401 N91-23294
Shock characterization of epoxy: Forty-two volume percent glass microballoons
[DE91-009616] 15 p2404 N91-23314
Effect of atmospheric variations on electromagnetic distance measurements
[DE91-009726] 15 p2411 N91-23349
Experimental study of narrow slot, cavity-backed apertures with finite wall conductivity
[DE91-009039] 15 p2411 N91-23352
Recent advances with quiescent power supply current (I(sub DDQ)) testing at Sandia using the HP82000
[DE91-009254] 15 p2416 N91-23382
Solutions to current induced avalanche burnout
[DE90-013196] 15 p2417 N91-23386
S-parameter measurements and applications of superconducting flux flow transistors
[DE91-009763] 15 p2417 N91-23388
Conceptual design and system studies for a 600 kW repetitive pulse transformer
[DE91-010585] 15 p2418 N91-23389
Developing natural convection in a fluid layer with localized heating and large viscosity variation
[DE91-005240] 15 p2425 N91-23431
Benchmarking numerical predictions with force and moment measurements on slender, supercavitating bodies
[DE91-007066] 15 p2425 N91-23432
Strained quantum well leaky-mode diode laser arrays
[DE91-009982] 15 p2433 N91-23477
Raybot: A practical implementation of a hierarchical control system for telerobotic land vehicles
[DE90-017029] 15 p2438 N91-23507
Bobbin stresses generated by wire winding
[DE91-009545] 15 p2442 N91-23526
Mechanical states in wound heterogeneous tapes by the finite element method
[DE91-009255] 15 p2444 N91-23536
Mechanical stress states in heterogeneous, wound rolls
[DE91-009257] 15 p2444 N91-23537
PV concentrators today and tomorrow
[DE91-010577] 15 p2458 N91-23619
Pulsed power performance of the new RLA (Recirculating Linear Accelerator)
[DE91-004723] 15 p2506 N91-23885
Measurements of passive-scalar spectra for grid turbulence using a nonlinear optical technique
[DE91-005310] 15 p2507 N91-23892
Intense light-ion beams provide a robust, common-driver path towards ignition, gain and commercial fusion energy
[DE91-010584] 15 p2512 N91-23919
High power light activated semiconductor switches with sub-nanosecond rise time
[DE91-009250] 15 p2515 N91-23939
Electronic properties of Si-doped n-doping-intrinsic-p-doping-intrinsic (nipi) structures in GaAs
[DE91-009474] 15 p2515 N91-23941
Characterization of iridium coated rhenium used in high-temperature, radiation-cooled rocket thrusters
16 p2574 N91-24267
Liquid propellant injector/combustor tests
16 p2580 N91-24298
Contributions of polymers to bentonite and saponite fluids
[DE91-009855] 16 p2607 N91-24450

Advanced thermally stable jet fuels development program annual report. Volume 3: Fuel lubricity
[AD-A232793] 16 p2610 N91-24453
Borehole radar for geothermal applications
[DE91-010478] 16 p2619 N91-24497
Procedures used in the calibration of ac calibrators
[DE91-009853] 16 p2621 N91-24515
Analysis of an EBeam melting process
[DE91-010855] 16 p2630 N91-24563
Plotting and summary routines for TASK8
[DE91-010689] 16 p2671 N91-24786
Backward iteration in a rational interpolation application
[DE91-010865] 16 p2679 N91-24832
Mass and performance estimates for 5 to 1000 kW(e) nuclear reactor power systems for space applications
[DE91-010319] 16 p2687 N91-24875
Determination of resultant torque on a rotary solenoid using a biaxial displacement follower
[DE91-010614] 16 p2690 N91-24895
TRANSNET: A means of accessing hazardous materials transportation models and databases
[DE91-009980] 16 p2699 N91-24949
Technology teamwork: The role of the national laboratories in implementing US technology policy
[DE91-010017] 16 p2701 N91-24956
Grid sensitivity in low Reynolds number hypersonic continuum flows
[DE91-010875] 17 p2730 N91-25118
Reactive metal brazing of aluminum nitride
[DE91-010867] 17 p2759 N91-25277
Interfacial debonding in stainless steel/glass-ceramic seals
[DE91-011326] 17 p2763 N91-25295
Characterization of electrolyte-binder mixes for use in thermal batteries
[DE91-011267] 17 p2770 N91-25329
Oxidized porous silicon moisture sensors for evaluation of microelectronic packaging
[DE91-011322] 17 p2770 N91-25331
Experiments investigating the effects of the accelerating gap voltage pulse on the ion focused (IFR) high current electron recirculators
[DE91-011495] 17 p2771 N91-25333
The distribution of moisture beneath a two-dimensional surface source
[DE91-010720] 17 p2777 N91-25369
Effect of the grid system on heat transfer computations for high speed flows
[DE91-010874] 17 p2778 N91-25375
Penetration in metal targets: A numerical and experimental study of the metal-tack fastener applied to high strength steels
[DE91-011256] 17 p2785 N91-25410
The Concept-90 photovoltaic concentrator module
[DE91-010852] 17 p2805 N91-25509
Generic command interpreter for robot controllers
[DE91-011231] 17 p2841 N91-25702
Stability and accuracy of differencing schemes for viscoplastic models in wavecodes
[DE91-011265] 17 p2847 N91-25736
Heat transfer and thermal stress analyses of the multilayered spherical fuel particles of a particle bed space nuclear reactor
[DE91-010699] 17 p2863 N91-25831
Progress in light ion fusion
[DE91-010854] 17 p2868 N91-25866
Computational fluid dynamics for defect control in semiconductor processing
[DE91-011234] 17 p2873 N91-25893
Progress in informal information management: The Central Technical File
[DE91-010863] 17 p2888 N91-25965
Generalized Product-Test-Data (PTD) model
[DE91-010873] 17 p2888 N91-25966
Hypervelocity launch capabilities to over 10.4 km/s
[DE91-010859] 18 p2934 N91-26186
Surface Chemkin (version 3.7): A FORTRAN package for analyzing heterogeneous chemical kinetics at a solid-surface-gas-phase interface
[DE91-010840] 18 p2951 N91-26285
Grain boundary chemistry in Al-Cu metallizations as determined by analytical electron microscopy
[DE91-012007] 18 p2957 N91-26319
Metastable pitting corrosion of aluminum, Al-Cu, and Al-Si thin films in dilute HF solutions and its relevancy to the processing of integrated circuit interconnections
[DE91-012014] 18 p2957 N91-26320
Polymer characterization using singlet oxygen phosphorescence as a spectroscopic probe
[DE91-011735] 18 p2967 N91-26382
Process monitoring of polyurethane foam using Fourier transform infrared spectroscopy
[DE91-010578] 18 p2968 N91-26385
Commercializing solar hydrogen production
[DE91-011232] 18 p2970 N91-26398
Proof-of-concept zinc/bromine electric vehicle battery
[DE91-011767] 18 p2981 N91-26463
Benchmark study between FIDAP and a cellular automata code
[DE91-011224] 18 p2986 N91-26486
Interfacial force sensor with force-feedback control
[DE91-004897] 18 p2988 N91-26495
Residual stresses in metal/ceramic brazes: Effect of creep on finite element analysis results
[DE91-011233] 18 p3000 N91-26570
The 1990 Sandia rocket-triggered lightning field tests at Kennedy Space Center, Florida
[DE91-011263] 18 p3016 N91-26653
Quantitative analysis procedures for Task 8
[DE91-009684] 18 p3043 N91-26798
Multiple-frequency SAW devices for chemical sensing and materials characterization
[DE91-010856] 18 p3057 N91-26888
Automatic target recognition using acousto-optic image correlator
[DE91-011499] 18 p3065 N91-26936
A temperature dependent SPICE macro-model for power MOSFETs
[DE91-011737] 18 p3071 N91-26972
Investigation of plessite in iron meterorites and laboratory Fe-Ni(P) alloys
[DE91-010858] 18 p3084 N91-27053
Hardness assurance for low-dose space applications
[DE91-009179] 19 p3111 N91-27189
A measurement system for aircraft/weapon electromagnetic compatibility
[DE91-011504] 19 p3148 N91-27400
Autoignition of methane and natural gas in a simulated diesel environment
[PB91-167486] 19 p3177 N91-27566
Physical basis for nondestructive tests of MOS radiation hardness
[DE91-009180] 19 p3178 N91-27572
A 1K Shadow RAM for circumvention applications
[DE91-007892] 19 p3216 N91-27774
The 1/F noise in n- and p-channel MOS devices through irradiation and annealing
[DE91-008176] 19 p3250 N91-27977
Effect of bias on Thermally Stimulated Current (TSC) in irradiated MOS devices
[DE91-008179] 19 p3250 N91-27978
An experimental investigation of the effect of vortex generators on the aerodynamic characteristics of a NACA 0021 airfoil undergoing large amplitude pitch oscillations
[DE91-012102] 20 p3279 N91-28133
Sandia's new hypervelocity launcher (HVL)
[DE91-014335] 20 p3287 N91-28178
Attitude control of a spinning rocket via thrust vectoring
[DE91-006267] 20 p3302 N91-28274
Sol-gel kinetics by NMR
[DE91-011500] 20 p3309 N91-28314
Semiconductor Bridge (SCB) research and development
[DE91-011493] 20 p3309 N91-28319
Effects of sample size and loading rate on the transition behavior of a DCI alloy
[DE91-012015] 20 p3314 N91-28346
Microstructural characterization of solders and brazes for advanced packaging technology
[DE91-011503] 20 p3320 N91-28379
Mechanical modeling of stress generation during cure of encapsulating resins
[DE91-011496] 20 p3322 N91-28393
Aerogel composites for radioluminescent light/power sources
[DE91-012012] 20 p3323 N91-28395
Subgap absorption in conjugated polymers
[DE91-012655] 20 p3324 N91-28402
Response of the polymers KEL-F, polysulfone, high density polyethylene and polymethylmethacrylate to shock loading and release from 0.3 to 2.4 GPa
[DE91-012867] 20 p3325 N91-28411
Ferroelectric fatigue in modified bulk lead zirconate titanate ceramics
[DE91-012647] 20 p3326 N91-28417
Measurements of photo-induced changes in conjugated polymers
[DE91-013262] 20 p3328 N91-28427
Adhesion between CVD diamond films and tungsten
[DE91-013757] 20 p3329 N91-28434
Shock-wave properties of high-strength ceramics
[DE91-014105] 20 p3329 N91-28439
Investigation of the Deflagration-to-Detonation (DDT) process: The role of ignition and explosive properties in DDT
[DE91-011956] 20 p3330 N91-28442
Fluxless soldering of Ni-Au plated Kovar with a laser
[DE91-013261] 20 p3332 N91-28451
Performance of a polarization isolation enhancement method in the presence of errors
[DE91-013571] 20 p3336 N91-28473
Borehole Radar Evaluation Program: Antenna designs for optimal directionality
[DE91-014322] 20 p3336 N91-28475
Preparation of ionic membranes for zinc/bromine storage batteries
[DE91-012008] 20 p3337 N91-28483
Exploratory battery technology development report for FY90
[DE91-012131] 20 p3338 N91-28485
Durability of polymeric materials used in zinc/bromine flow batteries
[DE91-012864] 20 p3338 N91-28487
Feasibility study of a 200 ampere battery
[DE91-014673] 20 p3339 N91-28496
Some high voltage DC breakdown properties of thick film circuits on alumina
[DE91-014675] 20 p3340 N91-28500
The superconducting flux flow transistor: Models and applications
[DE91-014702] 20 p3340 N91-28501
A numerical approach for modelling cavitating flows
[DE91-009178] 20 p3342 N91-28505
ZEPHYR3D: A finite difference computer program for three-dimensional, transient incompressible flow problems
[DE91-014331] 20 p3344 N91-28515
An evaluation of monochrome solid-state video cameras
[DE91-012368] 20 p3348 N91-28543
A controlled dispersion parallel wavelength x ray spectrometer for electron microscopy
[DE91-012011] 20 p3349 N91-28544
Diffraction patterns produced by periodic and turbulent flowing gases including applications of photorefractive temporal filtering
[DE91-012636] 20 p3350 N91-28553
Studies of laser-driven flyer acceleration using optical fiber coupling
[DE91-013503] 20 p3351 N91-28562
Numerical and analytical analysis of thin laser-driven flyer plates
[DE91-013748] 20 p3352 N91-28567
Monitoring structural response in pressurized environments. Part 1: Instrumentation techniques
[DE91-012654] 20 p3360 N91-28616
Non-steady wave profiles and the fourth-power law
[DE91-013576] 20 p3363 N91-28631
United States Department of Energy solar receiver technology development
[DE91-012653] 20 p3367 N91-28651
Second-generation central receiver technology comparison
[DE91-012865] 20 p3367 N91-28653
SOLTECH 91: Proceedings, volume 2
[DE91-013767] 20 p3368 N91-28656
SOLTECH 91: Proceedings, volume 1
[DE91-002163] 20 p3368 N91-28658
One-sun silicon solar cell research
[DE91-014329] 20 p3369 N91-28662
Load-balancing and performance of a gridless particle simulation on MIMD, SIMD, and vector supercomputers
[DE91-013758] 20 p3385 N91-28756
General implementation of thin-slot algorithms into the finite-difference time-domain code, TSAR, based on a slot data file
[DE91-014336] 20 p3387 N91-28767
An interdisciplinary approach to massively parallel computation
[DE91-012652] 20 p3389 N91-28775
Requirements for a network storage service
[DE91-014106] 20 p3389 N91-28778
Ezekiel graphs
[DE91-012656] 20 p3393 N91-28805
Progress in light ion fusion
[DE91-012019] 20 p3397 N91-28826
X ray spatial resolution at intermediate voltages: An assessment by massively parallel Monte Carlo electron trajectory simulation
[DE91-012018] 20 p3399 N91-28841
Molecular dynamics simulations of bulk displacement threshold energies in Si
[DE91-011957] 20 p3400 N91-28846
The spatial resolution of x ray microanalysis in thin foils
[DE91-011949] 20 p3426 N91-29003
Donor formation under hydrogen plasma exposure and ion implantation
[DE91-011958] 20 p3426 N91-29004
Measurement accuracy of macroscopic quantum circuits with RF-biased Josephson junction arrays
[DE91-012651] 20 p3427 N91-29009
The surface chemistry of GaAs atomic layer epitaxy
[DE91-014112] 20 p3433 N91-29047

The ECR-plasma deposition of silicon nitride on a tunnel oxide
[DE91-014665] 20 p3434 N91-29051
Annealing and structure studies on Tl-2223 and Tl-1223 crystals
[DE91-014903] 20 p3434 N91-29052
SANDAC V computer electromagnetic interface characteristics: Problems and solutions
[DE91-014334] 20 p3436 N91-29065
The functional dependence of trajectory dispersion on initial condition errors
[DE91-014661] 21 p3453 N91-29151
Launch capabilities to over 10 km/s
[DE91-014657] 21 p3463 N91-29203
The use of high velocity launchers for scientific and engineering studies
[DE91-015564] 21 p3464 N91-29208
Effects of high-intensity solar radiation on carbon fibers
[DE91-015485] 21 p3471 N91-29252
Structure of icosahedral borides by Raman spectroscopy
[DE91-010872] 21 p3473 N91-29260
Postshock spectral radiance measurements in nickel and nickel/aluminum powders
[DE91-014695] 21 p3480 N91-29302
High-energy backscattered electron imaging of voids in aluminum metallizations
[DE91-014895] 21 p3480 N91-29303
Dynamic behavior of fully dense molybdenum
[DE91-014902] 21 p3480 N91-29304
Lead-free solders for electronics applications: Wetting analysis
[DE91-014900] 21 p3483 N91-29320
The cure of rigid polyurethane encapsulating foam
[DE91-016059] 21 p3492 N91-29379
Development of an explosive vapor generator
[DE91-015700] 21 p3494 N91-29386
A dihedral corner reflector model for full polarization calibration of RCS measurements
[DE91-013572] 21 p3497 N91-29402
Comparison of synthetic aperture radar autofocus techniques: Phase gradient vs subaperture
[DE91-014696] 21 p3497 N91-29406
Very low bit rate voice for packetized mobile applications
[DE91-015333] 21 p3498 N91-29409
A method for computing fields near the origin of a cylindrical coordinate system in time domain finite-difference electromagnetic simulations
[DE91-015431] 21 p3501 N91-29433
Proceedings of the First Switch Tube Advanced Technology Meeting
[DE91-012634] 21 p3503 N91-29440
The 2nd Workshop on High Temperture Electronics (Metallization and Packaging)
[DE91-014332] 21 p3503 N91-29442
Design and test of a continuous duty pulsed ac generator
[DE91-014664] 21 p3504 N91-29445
Physics and applications of the lock-on effect
[DE91-014670] 21 p3504 N91-29446
Application of the nuclear microprobe to the imaging of single event upsets in integrated circuits
[DE91-014701] 21 p3504 N91-29447
High gain photoconductive semiconductor switching
[DE91-014668] 21 p3508 N91-29478
A compact 200 kV pulse transformer system
[DE91-014669] 21 p3509 N91-29479
Experimental and analytical study of laser-triggering in the Rimfire switch
[DE91-014662] 21 p3509 N91-29483
Aspects of fatigue and rapid depolarization in the film PZT capacitors
[DE91-014904] 21 p3509 N91-29484
Gaseous prebreakdown processes that are important for pulsed power switching
[DE91-015902] 21 p3510 N91-29487
Using quartz crystal microbalances to simultaneously sense mass accumulation and solution properties
[DE91-011501] 21 p3518 N91-29537
Superconducting instrumentation for precision measurement and control
[DE91-014650] 21 p3519 N91-29541
Video frame store: An advanced solid state recorder
[DE91-015709] 21 p3520 N91-29549
Diode laser ignition of explosive and pyrotechnic components
[DE90-012227] 21 p3521 N91-29553
Laser triggered spark gap modeling
[DE91-014831] 21 p3521 N91-29557
Characterization of surface contaminants using infrared microspectroscopy
[DE91-009405] 21 p3529 N91-29605
Elastic-plastic constitutive relations at large strain
[DE91-013195] 21 p3530 N91-29612
Hypervelocity impact jet formation
[DE91-014651] 21 p3531 N91-29619
Explosively driven missile trajectory parameters for various fragment materials and velocities
[DE91-014330] 21 p3533 N91-29631
On-line monitoring of volatile organic species
[DE91-014655] 21 p3537 N91-29655
A fast, one pass algorithm to label objects and compute their features
[DE91-015441] 21 p3554 N91-29747
Analyzing photographically recorded atomic emission spectra using an automated densitometer
[DE91-015368] 21 p3574 N91-29871
NMR spectroscopy of experimentally shocked silicate minerals
[DE91-014897] 21 p3578 N91-29898
Tritium-field betacells
[DE91-014666] 21 p3579 N91-29910
Quantitative analysis of oxygen segregation on inversion domain boundaries in aluminum nitride
[DE91-010869] 21 p3590 N91-29971
Large bipolarons and superconductivity
[DE91-014699] 21 p3593 N91-29985
Superconducting superoxygenated La(2-x)Sr(x)CuO(4+delta): Search for phase separation
[DE91-015334] 21 p3594 N91-29995
High temperature thermoelectric properties of boron carbide
[DE91-015848] 21 p3601 N91-30037
Compilation and representation of intelligent electronic documents: An architecture for referenceability
[DE91-012635] 21 p3603 N91-30045
Legal and records management issue of optical disk storage media
[DE91-014898] 21 p3603 N91-30046
Records management at the DOE national laboratories: Sandia National Laboratories
[DE91-015563] 21 p3604 N91-30057
Technology transfer: A new program between Sandia National Laboratories and the University of New Mexico
[DE91-015439] 21 p3605 N91-30058
Shielded cables with optimal braided shields
[DE91-011303] 22 p3667 N91-30417
Pulse power switching with large vacuum triodes
[DE91-014671] 22 p3668 N91-30425
Comparison of low-energy x ray and cobalt-60 irradiations of MOS devices as a function of gate bias
[DE91-008174] 22 p3759 N91-30953
Nuclear thermal rockets: A systems study
[DE91-017066] 23 p3805 N91-31221
The mechanical response of woven Kevlar fabric
[DE91-010581] 23 p3806 N91-31230
Effects of trapped gases on ceramic-filled-glass composite densification
[DE91-015850] 23 p3807 N91-31237
HVOF: Particle, flame diagnostics, and coating characteristics
[DE91-014654] 23 p3809 N91-31248
A comparison of techniques for the metallographic preparation of thermal sprayed samples
[DE91-014704] 23 p3813 N91-31272
Process for producing plasma sprayed carbide-based coatings with minimal decarburization and near theoretical density
[DE91-012016] 23 p3817 N91-31292
Beneficial effects of austemper post-treatment on tungsten carbide based wear coatings
[DE91-013260] 23 p3817 N91-31293
Defect diffusion in ion implanted glasses
[DE91-016119] 23 p3819 N91-31302
Ion-implantation induced crystallization of glass
[DE91-016121] 23 p3819 N91-31303
Elastic wave dispersion in high-strength ceramics
[DE91-016648] 23 p3820 N91-31309
Silicon micromachining based on porous silicon formation
[DE91-013744] 23 p3851 N91-31472
Radar-cross-section measurement errors caused by test object interaction with low-dielectric-constant supports
[DE91-015340] 23 p3855 N91-31490
Electromagnetic penetration of slot apertures with depth and losses
[DE91-016401] 23 p3856 N91-31500
Accelerated aging and discharge of lithium/thionyl-chloride D cells
[DE91-012649] 23 p3859 N91-31517
Electrophoretic dielectric coatings for magnetic switches
[DE91-015337] 23 p3859 N91-31518
Technology assessment of ambient temperature rechargeable lithium batteries for electric vehicle applications
[DE91-016500] 23 p3860 N91-31522
Numerical simulation of a split cavity oscillator and rf conversion
[DE91-016501] 23 p3860 N91-31523
The development of aluminum-air batteries for application in electric vehicles
[DE91-016863] 23 p3862 N91-31533
A boundary integral equation method for steady two-dimensional flow in partially saturated media
[DE91-016056] 23 p3868 N91-31573
Approximate treatment of a strong explosion and expansion in a near vacuum
[DE91-016063] 23 p3868 N91-31574
A simple model for the motion of pulsed-laser-driven thin flyers
[DE91-011325] 23 p3877 N91-31634
Force reconstruction using the inverse of the mode-shape matrix
[DE91-016407] 23 p3886 N91-31689
One-sun, single-crystalline silicon solar cell research
[DE91-015646] 23 p3888 N91-31699
The feasibility of testing NASA's SCAD concentrator on Earth
[DE91-016055] 23 p3889 N91-31702
The 1991 DOE/Sandia Crystalline Photovoltaic Technology Project Review Meeting
[DE91-016062] 23 p3889 N91-31703
Facet development for a faceted stretched-membrane dish by Solar Kinetics, Inc.
[DE91-016866] 23 p3890 N91-31713
Parabolic dish photovoltaic concentrator development
[DE91-016868] 23 p3891 N91-31714
Design and cost of the first commercial stretched-membrane heliostat
[DE91-016870] 23 p3891 N91-31715
Human factors engineering design guidelines for the software user interface
[DE91-016061] 23 p3906 N91-31802
Application of digital compression techniques to optical surveillance systems
[DE91-016404] 23 p3914 N91-31854
Benchmarking a Network Storage Service
[DE91-013510] 23 p3916 N91-31868
Depth profiles for hydrogen-assisted thermal donor formation in silicon
[DE91-015719] 23 p3931 N91-31971
Rapid thermal annealing effects in In(x)Ga(1-x)As/GaAs strained-layer superlattices
[DE91-015901] 23 p3933 N91-31978
Ground-state in-plane light-holes in GaAs/AlGaAs structures
[DE91-016408] 23 p3933 N91-31980
Interim explosives detection alternatives
[DE91-016188] 24 p3952 N91-32089
Power system requirements and selection for the space exploration initiative
[DE91-016707] 24 p3964 N91-32150
RV strings of maximum curvature
[DE91-016708] 24 p3966 N91-32157
Effect of initial conditions on combustion generated loads
[DE91-016646] 24 p3973 N91-32194
Constitutive modeling of salt behavior: State of the technology
[DE91-017459] 24 p3974 N91-32199
The role of anodic dissolution in the stress corrosion cracking of Al-Li-Cu alloy 2090
[DE91-016403] 24 p3977 N91-32219
Shock-vaporization studies on zinc and porous carbon
[DE91-017846] 24 p3980 N91-32233
Mode-stirred chamber field statistics: Correlation widths
[DE91-016190] 24 p3989 N91-32289
Laboratory test results of solid state video cameras
[DE91-016189] 24 p4006 N91-32399
Stress states in wound capacitors
[DE91-016402] 24 p4006 N91-32400
Low-cost 3 kV, triggered, stripline, surface-discharge switch
[DE91-016641] 24 p4007 N91-32403
Processing issues and technologies for optoelectronics-integrated circuits and devices
[DE91-017451] 24 p4007 N91-32406
Channel flow of a concentrated suspension
[DE91-016649] 24 p4016 N91-32453
System requirements for low-Earth-orbit launch using laser propulsion
[DE91-017455] 24 p4024 N91-32490
Development of a stretched-membrane dish
[DE91-016499] 24 p4040 N91-32574
The Sandia transportable triggered lightning instrumentation facility 24 p4052 N91-32636
Damage to metallic samples produced by measured lightning currents 24 p4053 N91-32640
User's manual for PANDA 2: A computer code for calculating equations of state
[DE91-017717] 24 p4088 N91-32843
Military robotics technologies at Sandia National Laboratories
[DE91-016113] 24 p4091 N91-32858

Visible spectroscopy diagnostics of light-ion beams
[DE91-017450] 24 p4100 N91-32908
Intense ion beam diagnostics for light ion inertial fusion experiments on PBFA 2
[DE91-017449] 24 p4105 N91-32942
Graphite-metal brazing for thermal applications
[DE91-016647] 24 p4106 N91-32944
La(sup 139) NMR and NQR study of the temperature dependent structure of La2CuO4+(delta)
[DE91-016201] 24 p4108 N91-32959
Irradiation effects in high temperature superconductors
[DE91-016118] 24 p4109 N91-32962
An overview of the electronic properties of InAs(1-x)Sb(x) strained-layer superlattices (O less than or equal to x less than or equal to 1)
[DE91-017458] 24 p4111 N91-32976
Ion implantation effects in crystalline quartz
[DE91-016192] 24 p4111 N91-32977
Teaching engineers to be technical leaders
[DE91-016117] 24 p4115 N91-33002

SANDIA NATIONAL LABS., LIVERMORE, CA.
Compressible flow of a multiphase fluid between two vessels. Part 1: Ideal carrier gas
[DE91-000490] 04 p0523 N91-12911
A two-dimensional thermomechanical simulation of a gas metal arc welding process
[DE91-000489] 04 p0532 N91-12951
Measurement capabilities of the Sandia, Livermore, Standards Laboratories
[DE91-008124] 13 p2147 N91-21825
The SNL, Livermore, Hopkinson bar apparatus for compressive materials testing at high strain-rates
[DE91-013132] 20 p3360 N91-28612
Compendium of material test results on HY-100 and pseudo HY-100 metals in support of US Navy programs
[DE91-013134] 21 p3478 N91-29292

SANTA BARBARA RESEARCH CENTER, CA.
HgZnTe-based detectors for LWIR NASA applications
06 p0797 N91-14404
Earth Observing Scanning Polarimeter (EOSP), phase B
[NASA-CR-187715] 06 p0830 N91-14586

SANTA BARBARA RESEARCH CENTER, GOLETA, CA.
HgCdTe for NASA EOS missions and detector uniformity benchmarks 06 p0793 N91-14385

SANTA CLARA UNIV., CA.
The TurboLAN project. Phase 1: Protocol choices for high speed local area networks. Phase 2: TurboLAN Intelligent Network Adapter Card, (TINAC) architecture
[NASA-CR-188175] 15 p2488 N91-23776

SAO PAULO UNIV. (BRAZIL).
Computer and engineering calculations of Brazilian Tokamak-2
[DE90-626758] 02 p0271 N91-11524
Multicolor optical polarimetry of reddened stars in the small Magellanic cloud 06 p0902 N91-14986
Radio emission in peculiar galaxies
08 p1254 N91-16907
Theory of the weak interaction vertices
[DE91-616920] 12 p1889 N91-20389

SASKATCHEWAN UNIV., SASKATOON.
Proposed reference models for atomic oxygen in the terrestrial atmosphere 19 p3190 N91-27643
Anomalous transport due to the skin size electromagnetic drift mode in tokamaks
20 p3410 N91-28902

SAT CONTROL, LABEGE (FRANCE).
Hermes flight control center: Definition status
14 p2210 N91-22205
Computer dialogue techniques for satellite operations
14 p2222 N91-22285

SATCON TECHNOLOGY CORP., CAMBRIDGE, MA.
A superconducting large-angle magnetic suspension
13 p2035 N91-21191
Sliding mode control of magnetic suspensions for precision pointing and tracking applications
13 p2035 N91-21193
Magnetic bearings for a spaceflight optical disk recorder 13 p2036 N91-21195

SATELLITE CONTROL SQUADRON (2ND), FALCON AFB, CO.
The Navstar GPS master control station's Kalman filter experience 09 p1290 N91-17091

SAVANNAH STATE COLL., GA.
An expansion plan for the 60 Hz power distribution system at KSC: LC-39 substations load allocation plan
11 p1825 N91-20028

SCHAFER (W. J.) ASSOCIATES, INC., ARLINGTON, VA.
SDIO electric propulsion requirements
16 p2575 N91-24269
Mass properties survey of solar array technologies
22 p3635 N91-30226

SCHOOL OF AEROSPACE MEDICINE, BROOKS AFB, TX.
EKG findings in female aviators in the US Air Force
02 p0247 N91-11377
Relationship of menstrual history to altitude chamber decompression sickness 02 p0248 N91-11379
Behavioral effects of 1300 MHz high-peak-power microwave pulsed irradiation
[AD-A226269] 04 p0551 N91-13059
An evaluation of the photopic electroretinogram using lower eyelid electrodes
[AD-A232988] 16 p2663 N91-24732
Choroidal nevi in USAF aviators
[AD-A233042] 16 p2663 N91-24735
Cataract surgery and intraocular lenses in USAF aviators 17 p2827 N91-25616
Medical management of combat laser eye injuries
17 p2827 N91-25619
Refurbishing AV-8 on-board oxygen generation system beds
[AD-A235083] 18 p2925 N91-26136
Administrative guide for the flight surgeon and the aeromedical technician: Performing medical examinations
[AD-A235178] 18 p3030 N91-26727
Testing and evaluation of the catalyst research MiniOX 3 oxygen monitor
[AD-A239665] 23 p3906 N91-31807
Publications and presentations of the Opthalmology Branch, USAF School of Aerospace Medicine, 1981-1990
[AD-A239458] 24 p4073 N91-32754

SCHROETER INST. FOR RESEARCH IN CYCLES OF SOLAR ACTIVITY, BELLE COTE (NOVA SCOTIA).
Relationship between rainfall in the Northern Hemisphere and impulses of the torque in the sun's motion 03 p0446 N91-12491

SCHUNK KOHLENSTOFFTECHNIK G.M.B.H., GIESSEN (GERMANY, F.R.).
Oxidation inhibited carbon/carbon: A candidate material for hot structures 03 p0328 N91-11825

SCHWARTZ ELECTRO-OPTICS, INC., CONCORD, MA.
Chromium sensitized garnets for mid-IR lasers
[AD-A226630] 05 p0665 N91-13696

SCIENCE AND TECHNOLOGY CORP., HAMPTON, VA.
Science needs for real time adaptable data products from the Earth Observing System (EOS)
[NASA-CR-4363] 14 p2280 N91-22609

SCIENCE APPLICATIONS INTERNATIONAL CORP., ARLINGTON, VA.
Analysis of high frequency seismic data
[AD-A231804] 14 p2286 N91-22640
Analysis of high frequency seismic data
[AD-A235579] 19 p3200 N91-27687

SCIENCE APPLICATIONS INTERNATIONAL CORP., CLEARWATER, FL.
Briefing DTD user's guide for the Software Technology for Adaptable, Reliable Systems (STARS) program
[AD-A228473] 08 p1204 N91-16618
IBM STARS repository user's guide
[AD-A228469] 09 p1380 N91-17589

SCIENCE APPLICATIONS INTERNATIONAL CORP., FORT WASHINGTON, PA.
Computational models with advanced thermochemistry for the analysis of missile/plume flowfield interactions
06 p0776 N91-14305
Advanced computational models for analyzing high speed propulsive flowfields 16 p2578 N91-24291
Observations on CFD and turbulence model validation/calibration for the simulation of high-speed propulsive flowfields
[SAIC/FW-TP-210] 17 p2772 N91-25337

SCIENCE APPLICATIONS INTERNATIONAL CORP., GLENDORA, CA.
Measured space environmental effects to LDEF during retrieval 16 p2706 N91-24976

SCIENCE APPLICATIONS INTERNATIONAL CORP., HUNTSVILLE, AL.
Optimization techniques applied to passive measures for in-orbit spacecraft survivability
[NASA-CR-184198] 23 p3802 N91-31204

SCIENCE APPLICATIONS INTERNATIONAL CORP., MCLEAN, VA.
Measurement realities of current collection in dynamic space plasma environments 09 p1402 N91-17718
Lessons learned from an Ada conversion project
11 p1774 N91-19730
Soviet atmospheric acoustics research
15 p2500 N91-23848
Alpha particle effects on MHD ballooning
[DE91-011025] 17 p2867 N91-25857
Experimental and theoretical investigation of innovative broadband microwave devices
[AD-A236960] 19 p3160 N91-27473

SCIENCE APPLICATIONS INTERNATIONAL CORP., PROSPECT, TN.
Scoping estimates of the LDEF satellite induced radioactivity
[NASA-CR-184074] 08 p1103 N91-16056
Radiation calculations and comparisons with data
16 p2709 N91-24991
LDEF geometry/mass model for radiation analyses
16 p2709 N91-24992

SCIENCE APPLICATIONS INTERNATIONAL CORP., SAN DIEGO, CA.
Literature survey on tools
[AD-A226933] 06 p0863 N91-14770
Intelligent array system
[AD-A231107] 13 p2142 N91-21792
The feasibility of solar reflector production from lunar materials for solar power in space
17 p2753 N91-25236
Reversed-Field Pinch dynamics and transport studies
[DE91-014317] 20 p3421 N91-28970
Parabolic dish photovoltaic concentrator development
[DE91-016868] 23 p3891 N91-31714

SCIENCE APPLICATIONS INTERNATIONAL CORP., SCHAUMBURG, IL.
A global view of lander-to-orbiter communications accessibility for a Mars Global Network Mission
06 p0788 N91-14362
Analysis of success probability/cost trades for small landers in a Mars network 06 p0789 N91-14363

SCIENCE APPLICATIONS INTERNATIONAL CORP., TORRANCE, CA.
Electric propulsion study
[AD-A227121] 06 p0822 N91-14545

SCIENCE APPLICATIONS RESEARCH, LANHAM, MD.
International reference ionosphere 1990
[NASA-TM-105055] 22 p3705 N91-30621

SCIENCE RESEARCH COUNCIL, LONDON (ENGLAND).
The Astronomical Almanac for the year 1989
[ISBN-0-11-886932-9] 06 p0912 N91-15038
The Astronomical Almanac for the year 1990
[ISBN-0-11-886934-5] 06 p0912 N91-15039

SCIENCE RESEARCH LAB., INC., SOMERVILLE, MA.
An all-solid-state CO2 laser driver
[AD-A233212] 16 p2632 N91-24571
Scaling CW electron beam pumped rare gas lasers to ultra-high average power
[AD-A235120] 18 p2990 N91-26513

SCIENCE SYSTEMS LTD., BRISTOL (ENGLAND).
A high availability control system architecture
14 p2208 N91-22191
The use of twin-screen-based WIMPS in spacecraft control 14 p2220 N91-22275
A distributed database design for multi-control centre systems 14 p2222 N91-22288

SCIENTECH, INC., IDAHO FALLS, ID.
S-76 rotorcraft high intensity radiated fields. Test plan
[SCIE-FAA-001-91] 19 p3154 N91-27438

SCIENTIFIC RESEARCH ASSOCIATES, INC., GLASTONBURY, CT.
Studying quantum phase-based electronic devices
[AD-A226809] 06 p0822 N91-14541
Intelligent manipulation technique for multi-branch robotic systems
[NASA-CR-187651] 06 p0833 N91-14603
Numerical simulation of the comparative electrical performance of the permeable base transistor, opposed gate-source transistor and heterostructure launched ballistic field effect transistor
[AD-A228545] 08 p1128 N91-16202
Transport via moments of quantum distribution functions
[AD-A231182] 13 p2146 N91-21821
Quantum devices and structures
[AD-A235298] 18 p3074 N91-26989

SCIENTIFIC SYSTEMS, INC., WOBURN, MA.
An overview of the essential differences and similarities of system identification techniques
14 p2232 N91-22348

SCOTGEN LTD., ABERDEEN (SCOTLAND).
Reshaped human monoclonal antibodies for therapy and passive immunization
[AD-A234770] 22 p3716 N91-30682

SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA, CA.
Very low frequency seismo-acoustic scattering from a rough seafloor
[AD-A227947] 11 p1739 N91-19564
Digital, one way, acoustic communication in the ocean
[AD-A230171] 12 p1927 N91-20604
Coherence of transients
[AD-A230168] 12 p1973 N91-20853
Analysis of 200 Hz CW tone propagation signal recorded during the September 1987 VLA experiment
[AD-A231053] 13 p2072 N91-21414

High resolution beamforming on large aperture vertical line arrays: Processing synthetic data
[AD-A231054] 13 p2072 N91-21415
Probability estimates of cloud-obscured line-of-sight
[AD-A231151] 13 p2122 N91-21678
A 200 Hz matched field processing on the September 1987 VLA data set
[AD-A231096] 13 p2124 N91-21692
Interaction of surface waves and near surface currents
[AD-A231612] 13 p2125 N91-21694
SeaMARC 2 investigation of the Norwegian-Greenland Sea
[AD-A231917] 14 p2292 N91-22678
Large-scale ocean atmospheric variability associated with hydrological extremes in Western North America
[PB91-159400] 17 p2812 N91-25540
Test of Newtonian gravity using DSV sea cliff
[AD-A238558] 21 p3542 N91-29680

SDRC, INC., SAN DIEGO, CA.
Structural representation for analysis of a controlled structure 14 p2229 N91-22326

SEARCH TECHNOLOGY, INC., NORCROSS, GA.
Assessing the impact of modeling limits on intelligent systems
[NASA-CR-4336] 03 p0398 N91-12210
Seven ways to make a hypertext project fail 13 p2165 N91-21946
Adaptive aiding for human-computer control: Future directions for research
[AD-A236799] 19 p3234 N91-27884

SEATTLE UNIV., WA.
Software metrics
[AD-A236140] 20 p3383 N91-28744

SECRETARIA DE COMUNICACIONES Y TRANSPORTES, COPACABANA BEACH (MEXICO).
Mexican experience in manned flight and considerations to define future missions 07 p0949 N91-15207

SECRETARIA DE COMUNICACIONES Y TRANSPORTES, MEXICO CITY (MEXICO).
Present and future Morelos satellite system 07 p0948 N91-15203

SELENIA SPAZIO S.P.A., ROME (ITALY).
Applicability of SAR data to meteorology and climatology 07 p0992 N91-15442
Selenia Spazio activities for advanced SAR technological developments 07 p0993 N91-15449
The role of photosensitive polyimides in the development of hybrid space hardware 24 p3994 N91-32321
Results and considerations on failure investigations of components used for space equipment 24 p4001 N91-32365

SENER S.A., MADRID (SPAIN).
Hypersonic propulsion: Past and present 15 p2376 N91-23148

SEPA S.P.A., TURIN (ITALY).
Inter-satellite time transfer: Techniques and applications 17 p2851 N91-25761

SERVICE TECHNIQUE DE LA NAVIGATION AERIENNE, PARIS (FRANCE).
Contribution of the satellite techniques to the surveillance of air traffic 02 p0177 N91-11005
RADAR performance experiments 16 p2555 N91-24168

SEXTANT AVIONIQUE, VALENCE (FRANCE).
Characterization of 256 Kbits SRAMs under californium 252 and protons irradiations 24 p4000 N91-32359

SFA, INC., LANDOVER, MD.
Investigation and modeling of radiation absorption processes and opacities in dense plasmas
[AD-A228749] 08 p1230 N91-16779
Temperature coefficients and radiation induced DLTS spectra of MOCVD grown n(+)p InP solar cells 22 p3638 N91-30245

SHAPE TECHNICAL CENTER, THE HAGUE (NETHERLANDS).
A method to enhance azimuth accuracy by the use of the a priori knowledge of the antenna pattern 16 p2615 N91-24473
An overview of ECCM factors in MILSATCOM systems 16 p2616 N91-24480

SHEFFIELD UNIV. (ENGLAND).
Plasma wave measurements on the dayside: Scale sizes and observational requirements 01 p0070 N91-10426
Integrated optical components produced in GaAs and InP epitaxial layers using the photo-elastic effect 02 p0270 N91-11518
The derivation of a behavioural model for information retrieval system design 02 p0284 N91-11599
Theoretical and experimental study on the ultrasonic fuel injector valve 03 p0372 N91-12083
A real-time distributed optimal autopilot
[RR-398] 07 p0945 N91-15181
Model validity tests for nonlinear signal processing applications
[RR-401] 07 p0996 N91-15468
Ultrasonic location measurement for fast robot control: A transputer-based environment
[RR-380] 07 p1011 N91-15550
Selection of weights in optimal control
[RR-397] 07 p1055 N91-15796
Optimal control by neural networks
[RR-399] 07 p1055 N91-15797
On the stability analysis of nonlinear systems
[RR-389] 07 p1060 N91-15826
K-exponential stability of nonlinear delay systems
[RR-391] 07 p1060 N91-15827
Infinite-dimensional Carleman linearization, the Lie series, and optimal control of nonlinear PDEs
[RR-392] 07 p1060 N91-15828
Practical identification of NARMAX models using radial basis functions
[RR-393] 07 p1060 N91-15829
Describing functions, Volterra series, and the analysis of nonlinear systems in the frequency domain
[RR-396] 07 p1060 N91-15830
Active reduction of an enclosed sound field: An experimental investigation
[RR-381] 07 p1063 N91-15846
Periodic solutions of neutral differential equations
[RR-390] 08 p1210 N91-16658
Performance monitoring in nonlinear adaptive noise cancellation
[RR-409] 11 p1700 N91-19362
Visualisation of fluid shifts within the body during a parabolic flight by measurements of electrical bio-impedance 11 p1761 N91-19688
Rational model identification using an extended least squares algorithm
[RR-388] 11 p1778 N91-19753
The qualitative analysis of nonlinear parameterised systems. Part 2: A method for the global analysis of nonlinear systems
[RR-400-PT-2] 11 p1778 N91-19754
Simple object recognition by neural networks: Application of the Hough transform
[RR-410] 11 p1780 N91-19761
The application of neural networks for fault diagnosis in nuclear reactors
[RR-411] 11 p1781 N91-19772
The qualitative analysis of nonlinear parameterized systems. Part 1: Nonlinear systems representation and dynamical systems theory
[RR-408-PT-1] 11 p1784 N91-19789
Orthogonal least squares parameter estimation algorithms for nonlinear stochastic systems
[RR-404] 11 p1786 N91-19797
Expert systems for fault diagnosis in nuclear reactor control
[RR-412] 11 p1797 N91-19864
Petri nets and fault diagnosis in nuclear reactors
[RR-413] 11 p1798 N91-19865
The use of an object oriented technique for fault diagnosis in nuclear reactors
[RR-414] 11 p1798 N91-19866
Fault detection using optimal control techniques
[RR-419] 11 p1798 N91-19867
Theoretical studies of large-scale features of the Earth's mid- to high-latitude ionosphere 15 p2462 N91-23641
Adaptive control using variable structure systems 16 p2673 N91-24797
Bridging the communication gap: The case of the Portuguese information system for industry 17 p2876 N91-25912
Magnetospheric VLF line radiation 20 p3374 N91-28693
The computer storage, retrieval, and searching of generic structures in chemical patents: The machine-readable representation of generic structures 20 p3439 N91-29081
A prediction-error estimation algorithm for the reconstruction of linear and nonlinear continuous time models from frequency response data
[RR-421] 22 p3730 N91-30762
Properties of neural networks with application to modelling nonlinear dynamical systems
[RR-418] 22 p3742 N91-30846
A recursive hybrid algorithm for non-linear system identification using radial basis function networks
[RR-422] 22 p3745 N91-30870
Recursive parameter estimations for nonlinear rational models
[RR-420] 22 p3747 N91-30885

SHEMAKHA ASTROPHYSICAL OBSERVATORY, AZERBAIJAN (USSR).
Near-Earth and near-Mars asteroids: Prognosis of pyroxene types 17 p2915 N91-26095

SHIMIZU CORP. (JAPAN).
Study of accuracy and performance of modified Euler scheme with finite element method on flow problem 04 p0458 N91-12560

SHIP ANALYTICS, INC., NORTH STONINGTON, CT.
Radio aids to navigation requirements: The 1988 simulator experiment
[AD-A226235] 04 p0476 N91-12657

SHIP RESEARCH INST., TOKYO (JAPAN).
Use of spline functions in CFD 04 p0456 N91-12546
Three-D grid generation using the geometrical method 04 p0464 N91-12600
Wall function method with conservation property 24 p3948 N91-32058

SHIP STRUCTURE COMMITTEE, WASHINGTON, DC.
Uncertainties in stress analysis on marine structures
[PB91-193441] 24 p4031 N91-32522

SIEMENS A.G., MUNICH (GERMANY, F.R.).
End users' needs 04 p0603 N91-13357
State of the art in West Germany 04 p0604 N91-13359
GaAs MMICs in selfaligned gate technology for phased array radar application 07 p0941 N91-15160
Antenna subarrays and GaAs T/R modules for X-SAR on EOS 07 p0993 N91-15451
Progress in submicron technologies 24 p4005 N91-32394

SIEMENS SOLAR INDUSTRIES, CAMARILLO, CA.
Research on stable, high-efficiency, large-area amorphous silicon based modules, task B
[DE91-002115] 10 p1539 N91-18474

SIEVERS RESEARCH, INC., BOULDER, CO.
A new instrumental technique for the analysis of high energy content fuels
[AD-A230130] 12 p1877 N91-20319

SIGMA TAU STANDARDS CORP., TUSCALOOSA, AL.
Hydrogen masers with cavity frequency switching servos 17 p2853 N91-25777

SIGNAL ANALYTICS CORP., VIENNA, VA.
A method of analyzing air system performance based on shape distortion
[AD-A226193] 04 p0554 N91-13073

SIGNAL PROCESSING TECHNOLOGY LTD., PALO ALTO, CA.
Advanced techniques for array processing
[AD-A238218] 22 p3662 N91-30389

SIKORSKY AIRCRAFT, STRATFORD, CT.
Flight service evaluation of composite helicopter components
[NASA-CR-182063] 03 p0325 N91-11808
Overview of helicopter and V/STOL aircraft 10 p1459 N91-18049
Basic aerodynamics for rotor performance 10 p1460 N91-18050
Design of the advanced cargo aircraft. The US Army's next generation transport rotorcraft: An overview 10 p1463 N91-18069
Technology needs for high speed rotorcraft (2)
[NASA-CR-177590] 20 p3285 N91-28168

SIMPSON WEATHER ASSOCIATES, INC., CHARLOTTESVILLE, VA.
Space-based Doppler lidar sampling strategies: Algorithm development and simulated observation experiments
[NASA-CR-184172] 21 p3521 N91-29554

SIRA INST. LTD., CHISLEHURST (ENGLAND).
A medium resolution imaging spectrometer
[ETN-90-97967] 03 p0322 N91-11795
NDT of CFRP structures: Evaluation of a new method 03 p0329 N91-11837
Fibre optic anemometry using an optical delay cavity technique
[ETN-90-97966] 03 p0418 N91-12341
Space radiation effects on CCDs 24 p3997 N91-32339

SLOAN-KETTERING INST. FOR CANCER RESEARCH, NEW YORK, NY.
Wound healing by cultured skin cells and growth factors
[AD-A235300] 18 p3030 N91-26730

SMALL BUSINESS ADMINISTRATION, WASHINGTON, DC.
State of small business: A report to the President, transmitted to the Congress January 1990, together with the annual report on small business and competition of the US Small Business Administration
[PB91-130849] 14 p2338 N91-22927
Ticket to Tomorrow: The National Legislative 11th Conference on Small Business Issues
[PB91-163378] 19 p3260 N91-28029

SMITH-KETTLEWELL INST. OF VISUAL SCIENCES, SAN FRANCISCO, CA.
Psychophysical studies of visual cortical function
[AD-A238663] 21 p3549 N91-29720

SMITHS INDUSTRIES, INC., GRAND RAPIDS, MI.
Aircraft trajectory: Prediction and control in the air transport flight management computer systems
02 p0169 N91-10976
SMITHSONIAN ASTROPHYSICAL OBSERVATORY, CAMBRIDGE, MA.
Complete the development and construction of a spaceborne hydrogen maser clock
[NASA-CR-184043] 05 p0663 N91-13688
Radio line and continuum observations of quasar-galaxy pairs and the origin of low reshift quasar absorption line systems 08 p1258 N91-16925
A balloon-borne 102-cm telescope for far-infrared astronomy
[NASA-CR-187778] 11 p1816 N91-19973
A search for stellar occultations by Uranus, Neptune, Pluto, and their satellites: 1990-1999
[NASA-CR-188146] 13 p2181 N91-22053
Small Explorer project: Submillimeter Wave Astronomy Satellite (SWAS). Mission operations and data analysis plan
[NASA-CR-186954] 15 p2387 N91-23212
State of the art and future directions for the atomic hydrogen maser 17 p2851 N91-25759
Effect of thermal cycling on stress in metallic films on ceramic substrates 17 p2854 N91-25779
Physics of systematic frequency variations in hydrogen masers 17 p2857 N91-25796
A new activity index for comets
17 p2898 N91-26016
Investigation of the structure of the electromagnetic field and related phenomena, generated by the Active Satellite
[NASA-CR-188758] 22 p3662 N91-30390
SOCIETE ANONYME D'ETUDES ET REALISATIONS NUCLEAIRES, LIMEIL-BREVANNES (FRANCE).
Plasma immersion surface modification with metal ion plasma
[DE91-014233] 20 p3422 N91-28979
SOCIETE BERTIN ET CIE, TARNOS (FRANCE).
Characterization and optimization of a pneumatic injector for a 60 bar combustion chamber
[ETN-90-97580] 02 p0192 N91-11076
SOCIETE D'APPLICATIONS GENERALES D'ELECTRICITE ET DE MECANIQUE, CERGY-PONTOISE (FRANCE).
Computer simulations for the development of missile navigation systems 07 p1043 N91-15721
SCI3: A knowledge based system for on-board assistance with the interpretation of infra-red images
17 p2731 N91-25123
SEAN: A navigation aid expert system for combat aircraft 17 p2734 N91-25137
Non volatile solid state magnetic memory technologies
24 p3990 N91-32294
SOCIETE D'ARCHITECTURES EN MILIEUX EXTREMES, PARIS (FRANCE).
European stakes and measures permitting the management of geometric dimensions
15 p2450 N91-23573
SOCIETE D'ETUDES DES SYSTEMES D'AUTOMATION, FRANKFURT (GERMANY, F.R.).
Configurable spacecraft control systems
14 p2222 N91-22287
SOCIETE D'ETUDES DES SYSTEMES D'AUTOMATION, PUTEAUX (FRANCE).
Geographic data bases for mission control centers
14 p2222 N91-22289
SOCIETE D'ETUDES DES SYSTEMES D'AUTOMATION, TOULOUSE (FRANCE).
GASCON: Local and remote monitoring of ground stations equipments 14 p2212 N91-22216
Object oriented programming in MMI: A software tool for analysis and planification of a radar imaging mission
14 p2219 N91-22266
FIABAI: A knowledge based system for the evaluation of the reliability-availability of complex computer architectures 14 p2220 N91-22272
Object oriented programming in MMI: A software tool for analysis and planification of a radar imaging mission
15 p2452 N91-23589
SOCIETE DE FABRICATION D'INSTRUMENTS DE MESURE, MASSY (FRANCE).
Robustness and techniques of multivariable control for helicopter piloting. Dispatch 3: Inclusion regions technique on linear model
[RD/PA-14-227] 23 p3798 N91-31184
SOCIETE EUROPEENNE DE PROPULSION, SAINT-MEDARD-EN-JALLES (FRANCE).
Development of C/SiC large parts technology for aerospace plane thermal structures
03 p0331 N91-11848
CMC materials for a high performance 20 N thruster
03 p0332 N91-11855
Materials and material systems for combined cycle engines 15 p2381 N91-23178
SOCIETE EUROPEENNE DE PROPULSION, SURESNES (FRANCE).
Comparative study of different systems of combined cycle propulsion 15 p2376 N91-23152
SOCIETE EUROPEENNE DE PROPULSION, VERNON (FRANCE).
Incorporation of the operation safety in the industry and in a product development process inducting subcontractors
[ETN-90-97822] 01 p0033 N91-10196
Study of the effects of post heat treatment on the residual stresses in electron beam welds of tanks shell in titanium 03 p0328 N91-11830
SOCIETE INTERNATIONAL DE TELECOMMUNICATIONS AERONAUTIQUES, LONDON (ENGLAND).
Aeronautical mobile satellite services ESA-PRODAT/SITA AIRCOM service trials programme
24 p3956 N91-32106
SITA satellite air communications implementation
24 p3957 N91-32113
SOCIETE NATIONALE D'ETUDES ET DE CONSTRUCTION DE MOTEURS AERONAUTIQUES, CORBEIL (FRANCE).
Improving military transport aircraft through highly integrated engine-wing design 10 p1465 N91-18081
SOCIETE NATIONALE DE CONSTRUCTION AERONAUTIQUE, GOSSELIES (BELGIUM).
Simulation of physico-chemical properties during the cure of thermoset systems 03 p0330 N91-11841
SOCIETE NATIONALE INDUSTRIELLE AEROSPATIALE, PARIS (FRANCE).
Procedure for steering a low-speed missile, weapon system, and missile for implementation of the procedure
[PATENT-1-265-947] 23 p3797 N91-31182
SOCIETY FOR INDUSTRIAL AND APPLIED MATHEMATICS, PHILADELPHIA, PA.
SIAM conference on Dynamical Systems
[AD-A233112] 16 p2678 N91-24825
SOCIETY OF AUTOMOTIVE ENGINEERS OF JAPAN, TOKYO.
The 1990 JSAE (Society of Automative Engineers of Japan, Inc.) Spring Convention Proceedings 901
[DE91-715185] 05 p0645 N91-13579
SOFTECH, INC., HOUSTON, TX.
Data Management System (DMS) testbed user's manual development, volumes 1 and 2
[NASA-CR-187391] 04 p0558 N91-13093
Ada/POSIX binding: A focused Ada investigation
[NASA-CR-187398] 04 p0558 N91-13095
Storage management in Ada. Three reports. Volume 1: Storage management in Ada as a risk to the development of reliable software. Volume 2: Relevant aspects of language. Volume 3: Requirements of the language versus manifestations of current implementations
[NASA-CR-187401] 04 p0559 N91-13098
Security for safety critical space borne systems
[NASA-CR-187656] 05 p0701 N91-13906
A research review of quality assessment for software
[NASA-CR-188240] 17 p2829 N91-25626
Software reuse issues affecting AdaNET
[NASA-CR-188597] 17 p2830 N91-25632
Summary report for the Engineering Script Language (ESL)
[NASA-CR-188587] 17 p2831 N91-25639
AdaNET key issues summary report
[NASA-CR-188241] 17 p2838 N91-25685
Cooperative processing user interfaces for AdaNET
[NASA-CR-188239] 17 p2838 N91-25686
SOFTECH, INC., WALTHAM, MA.
Activity and information modeling methodology assessment
[AD-A236234] 22 p3766 N91-30992
SOFTWARE AND ENGINEERING ASSOCIATES, INC., CARSON CITY, NV.
Boundary layer study. Phase 4: Experimental validation test plan
[AD-A231342] 13 p2083 N91-21481
Boundary layer study
[AD-A231343] 13 p2084 N91-21482
SOFTWARE DEVELOPMENT CONCEPTS, MD.
Representing object oriented specifications and designs with extended data flow notations
01 p0107 N91-10617
SOFTWARE KINETICS LTD., STITTSVILLE (ONTARIO).
The automatic surveillance, tracking, and imaging program. User manual
[SK-1600-44-001-02-0] 23 p3853 N91-31483
SOFTWARE PRODUCTIVITY CONSORTIUM, HERNDON, VA.
Synthesis: Intertwining product and process
14 p2303 N91-22725
SOFTWARE PRODUCTIVITY CONSORTIUM, RESTON, VA.
The next generation 11 p1774 N91-19724
SOHAR, INC., LOS ANGELES, CA.
Integration of sneak analysis with design, volume 1
[AD-A226902] 06 p0822 N91-14543
SOLAR KINETICS, INC., DALLAS, TX.
Facet development for a faceted stretched-membrane dish by Solar Kinetics, Inc.
[DE91-016866] 23 p3890 N91-31713
Design and cost of the first commercial stretched-membrane heliostat
[DE91-016870] 23 p3891 N91-31715
Development of a stretched-membrane dish
[DE91-016499] 24 p4040 N91-32574
SOLAR TURBINES, INC. SAN DIEGO, CA.
Ultra-low NOx gas turbine combustor
[PB91-184994] 21 p3528 N91-29601
SOLAREX CORP., NEWTOWN, PA.
Research on high-efficiency, large area amorphous silicon based solar cells
[DE90-000356] 02 p0230 N91-11285
SOLAREX CORP., ROCKVILLE, MD.
High-efficiency silicon solar cells for use with a prismatic cover at 160 suns
[DE91-000468] 04 p0544 N91-13015
Performance, size, mass, and cost estimates for projected 1kW EOL Si, InP, and GaAs arrays
11 p1669 N91-19199
Spaceflight performance of several types of silicon solar cells on the LIPS 3 satellite 11 p1672 N91-19213
SONOMA TECHNOLOGY, INC., SANTA ROSA, CA.
Improvement of procedures for evaluating photochemical models
[PB91-160374] 18 p3006 N91-26597
SONOQUEST/ADVANCED ULTRASONICS RESEARCH, WELLESLEY HILLS, MA.
Arctic acoustics ultrasonic modeling studies
[AD-A224165] 02 p0266 N91-11489
SOURIAU, PARAY (FRANCE).
Mating and unmating of multi-pin connectors under vacuum 24 p3994 N91-32319
SOUTH CAROLINA UNIV., COLUMBIA.
Optimal control design by Volterra Series and its application to spacecraft maneuvers
02 p0186 N91-11044
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
Skill and skilled memory
[AD-A227697] 08 p1191 N91-16549
Image correlation nondestructive evaluation of impact damage in a glass fiber composite
10 p1487 N91-18194
A flammability study of thin plastic film materials
11 p1825 N91-20034
Statistical models and inference procedures for structural and materials reliability
[AD-A232634] 15 p2496 N91-23827
The transformation of organic amines by transition metal cluster compounds
[DE91-010622] 17 p2759 N91-25276
Incorporation of shuttle CCT parameters in computer simulation models 18 p3093 N91-27096
Organometallics for conducting polymer synthesis and starburst polymer synthesis
[AD-A235933] 19 p3140 N91-27351
Facile Li/HMPA-promoted polymerization method for the synthesis of soluble poly(phenylenes)
[AD-A236236] 19 p3141 N91-27358
Synthesis of poly(phenylenes) by a rapid polymerization of 1-bromo-4-lithiobenzene using HMPA
[AD-A236237] 19 p3141 N91-27359
Approaches to orthogonally fused conducting polymers for molecular electronics
[AD-A236253] 19 p3142 N91-27361
The line of gravitation: On the quantization conditions in curved spacetime and uncertainty-driven inflation
20 p3444 N91-29115
Approximation from shift-invariant surfaces of L2(IRd)
[AD-A238165] 21 p3566 N91-29826
SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY, RAPID CITY.
Analysis of stratocumulus cloud fields using LANDSAT imagery: Size distributions and spatial separations
01 p0085 N91-10504
A cloud, precipitation and electrification modeling effort for COHMEX
[NASA-CR-188679] 19 p3204 N91-27711
SOUTH DAKOTA UNIV., VERMILLION.
Enhancing the usability of CRT displays in test flight monitoring 12 p1947 N91-20709
SOUTHAMPTON UNIV. (ENGLAND).
Aircraft flight in wind-shear 02 p0168 N91-10973
Voice communications in the cockpit noise environment: The role of active noise reduction
02 p0204 N91-11140
Dynamic effects of hypersonic separated flow
03 p0299 N91-11669

Effects of temperature on acoustically-induced strains and damage propagation in CFRP plates
05 p0631 N91-13493
Practical considerations for the measurement of internal and coupling loss factors on complex structures
[ISVR-TR-182] 05 p0679 N91-13778
Modelling the effects of vibration on visual performance
[ISVR-TR-171] 05 p0697 N91-13883
Effects of anthropometric and postural variables on the transmission of whole-body vertical vibration from seat-to-head
[ISVR-TR-172] 05 p0697 N91-13884
The prediction and measurement of the one-parameter behaviour of horns
[ISVR-TR-185] 05 p0712 N91-13974
Adaptive inverse filters for stereophonic sound reproduction
[ISVR-TR-187] 05 p0712 N91-13975
A low cost end-fire acoustic radiator
[ISVR-TR-188] 08 p1218 N91-16705
Acquiring SEA parameters on complex structures by a transient test method
[ISVR-TR-192] 12 p1915 N91-20532
One way to reduce thermal effects in a piezoelectric pressure transducer mounted in the combustion chamber of a C.I. engine
[ISVR-TR-189] 13 p2087 N91-21487
The measurement of structural wave intensity
14 p2275 N91-22582
The supernova remnant G109.1-1.0 and the x-ray pulsar 1E2259+586
15 p2526 N91-24002
Imaging and background in low-energy gamma ray astronomy
15 p2527 N91-24005
Instrumentation and data analysis for hard x ray astronomy
15 p2528 N91-24010
A reciprocity technique for the characterisation of sound transmission into aircraft fuselages
20 p3395 N91-28817
Coded aperture imaging with a HURA coded aperture and a discrete pixel detector
20 p3441 N91-29093
Particle image velocimetry: Data reduction using optical correlation
22 p3673 N91-30450
Wave propagation in periodically stiffened plates and shells
22 p3693 N91-30558
A study of the vibrational power input to beam-like structures subjected to simultaneously acting force and moment excitations
[ISVR-TR-190] 22 p3694 N91-30568
Power output minimisation and power absorption in the active control of sound
[ISVR-TR-191] 22 p3751 N91-30911
Appraisal of the suitability of turbulence models in flow calculations: A UK view on turbulence models for turbulent shear flow calculations
24 p4016 N91-32450
Physical characteristics of stimuli provoking motion sickness
24 p4074 N91-32762
Sea sickness
24 p4075 N91-32766

SOUTHERN CALIFORNIA RESEARCH CORP., SAN RAFAEL.

Natural gas conversion process
[DE91-015759] 24 p3980 N91-32235

SOUTHERN METHODIST UNIV., DALLAS, TX.

Efficient algorithms for the solution of problems on networks in the parallel computing environment
[AD-A227286] 07 p1052 N91-15778
Adaptive bandwidth choice for kernel regression
[AD-A228437] 08 p1210 N91-16661
Approximating tail probabilities of noncentral distributions
[AD-A228426] 09 p1392 N91-17660
Statistical examination of climatological data relevant to global temperature variation
[DE91-007881] 11 p1735 N91-19540
Some remarks on compliance testing
[AD-A231936] 15 p2461 N91-23635
The use of software metrics to evaluate information systems
24 p4116 N91-33003

SOUTHERN RESEARCH INST., BIRMINGHAM, AL.

Investigation of welding and brazing of molybdenum and TZM alloy tubes
[NASA-CR-187899] 09 p1347 N91-17403
Electrostatic precipitation of condensed acid mist
[DE91-016530] 23 p3811 N91-31260

SOUTHERN UNIV., BATON ROUGE, LA.

A study of hydrogen environment effects on microstructure property behavior of NASA-23 alloy and related alloy systems
10 p1628 N91-18977

SOUTHWEST RESEARCH INST., SAN ANTONIO, TX.

Measurements of toxic exhaust emissions from gasoline-powered light-duty vehicles
[PB90-259649] 02 p0234 N91-11306
Research into language concepts for the mission control center
[NASA-CR-185928] 02 p0251 N91-11392
Laboratory evaluations of controlled combustion quenching and stratified exhaust gas injection for NOx control on a four-stroke reciprocating engine
[PB90-258971] 03 p0371 N91-12081
Re-examine liquid propellant nitromethane hazard classification parameters and address the hazards classification of various slurry mixtures
[AD-A225625] 04 p0510 N91-12834
Adiabatic compression initiation characteristics of liquid propellant nitromethane under dynamic fill conditions
[AD-A225626] 04 p0510 N91-12835
Feasibility of NMR detection of decompression bubbles
[AD-A226323] 04 p0552 N91-13061
Mechanical testing of advanced coating system, volume 1
[NASA-CR-186725] 05 p0637 N91-13534
Fatigue testing of plasma-sprayed thermal barrier coatings, volume 2
[NASA-CR-186726] 05 p0638 N91-13535
SEPAC data analysis in support of the environmental interaction program
[NASA-CR-184028] 05 p0684 N91-13807
Research into alternative network approaches for space operations
[NASA-CR-187015] 05 p0699 N91-13894
Research into software executives for space operations support
[NASA-CR-187013] 05 p0699 N91-13895
Distributed systems status and control
[NASA-CR-187014] 06 p0857 N91-14733
Investigation of effects of 60-Hz electric and magnetic fields on operant and social behavior and on the neuroendocrine system of nonhuman primates
[DE90-010809] 08 p1189 N91-16537
Investigation of effects of 60-Hz electric and magnetic fields on operant and social behavior and on the neuroendocrine system of nonhuman primates
[DE90-011557] 08 p1189 N91-16539
Continuation of research into software for space operations support, volume 1
[NASA-CR-187661] 09 p1376 N91-17557
Continuation of research into software for space operations support: Conversion of the display manager to X Windows/Motif, volume 2
[NASA-CR-187662] 09 p1376 N91-17558
Research into display sharing techniques for distributed computing environments
[NASA-CR-186570] 10 p1567 N91-18615
High mass resolution, high angular acceptance time-of-flight mass spectroscopy for planetary missions under the Planetary Instrument Definition and Development Program (PIDDP)
[NASA-CR-187912] 10 p1624 N91-18959
Performance of underwater weldments
[PB91-129254] 11 p1717 N91-19452
Characterization of mechanical damage mechanisms in ceramic and polymeric matrix composite materials
[AD-A230220] 12 p1873 N91-20294
Study of high temperature failure mechanisms in ceramics
[AD-A230361] 12 p1874 N91-20298
Workshop on Observations of Recent Comets (1990)
[NASA-CR-188960] 12 p2001 N91-21012
Results from the comet Giacobini-Zinner and Halley campaigns
12 p2001 N91-21013
Modeling the dust size distribution in comets with dust fragmentation
12 p2006 N91-21042
A model of multigeneration neutrals in cometary comae
12 p2006 N91-21043
SEPAC data analysis in support of the environmental interaction program
[NASA-CR-188179] 16 p2564 N91-24217
Probabilistic structural analysis methods for select space propulsion system components
16 p2585 N91-24327
An approximate methods approach to probabilistic structural analysis
16 p2585 N91-24328
Probabilistic boundary element method
16 p2586 N91-24329
Field demonstration of aviation turbine fuel MIL-T-83133C, grade JP-8 (NATO code F-34) at Fort Bliss, TX
[AD-A233441] 16 p2611 N91-24458
On-Orbit Compressor Technology Program
[NASA-CR-185645] 16 p2636 N91-24594
Crack growth processes at elevated temperatures in advanced materials
[AD-A233574] 16 p2647 N91-24658
Gas engine durability improvement, volume 1
[PB91-136341] 17 p2782 N91-25394
Modeling the coma of 2060 Chiron
17 p2892 N91-25986
Characterization of mechanical damage mechanisms in ceramic composite materials
[NR-032-553] 18 p2943 N91-26235
Response of whisker-reinforced ceramic matrix composites to dynamic compressive loading
18 p2943 N91-26236
Fragmentation of brittle materials at high rates of loading
18 p2943 N91-26237
Long-rod penetration of confined ceramic tiles
[AD-A234312] 18 p2994 N91-26534
Thermal analysis of the ultraviolet imager camera and electronics
[NASA-CR-188665] 19 p3169 N91-27520
Fuel lubricity requirements for diesel injection systems
[AD-A235972] 19 p3174 N91-27550
Gas rotary engine technology development
[PB91-182402] 19 p3177 N91-27563
Supplemental throttleless otto-cycle natural gas engine experiments
[PB91-182576] 19 p3177 N91-27564
Fracture micromechanics of intermetallic and ceramic matrix continuous fiber composites
[AD-A236638] 20 p3303 N91-28280
The effect of fuel properties and atomization on low temperature ignition in gas turbine combustors
23 p3794 N91-31164
Probabilistic Structures Analysis Methods (PSAM) for select space propulsion system components
[NASA-CR-187196] 24 p4031 N91-32524
SEPAC data analysis in support of the environmental interaction program
[NASA-CR-184201] 24 p4041 N91-32579

SOUTHWEST TEXAS STATE COLL., SAN MARCOS.

Trifluoromethyl-substituted polymers
[NASA-CR-186955] 01 p0029 N91-10170

SOUTHWESTERN ADVENTIST COLL., KEENE, TX.

Monte Carlo simulation of particle acceleration at astrophysical shocks
17 p2877 N91-25917

SOVIET-FRENCH JOINT VENTURE, MOSCOW (USSR).

Real time analysis systems of the physical parameters of the environment and the state of a human organism for a long term exposure at different gas mixtures and pressure up to 100 bar
15 p2449 N91-23568

SOVONICS SOLAR SYSTEMS, TROY, MI.

Integral bypass diodes in an amorphous silicon alloy photovoltaic module
11 p1673 N91-19218

SPACE BIOSPHERES VENTURES, ORACLE, AZ.

Historical overview of the Biosphere 2 project
05 p0691 N91-13844
Biosphere 2 test module experimentation program
05 p0691 N91-13845
Biomedical program at Space Biospheres Ventures
05 p0691 N91-13847

SPACE COMMAND, PETERSON AFB, CO.

Small satellite debris catalog maintenance issues
12 p1950 N91-20729

SPACE DATA RESOURCES AND INFORMATION, WASHINGTON, DC.

Utilization of space resources: A historical view
17 p2900 N91-26020

SPACE INDUSTRIES, INC., HOUSTON, TX.

Business and life in space
05 p0692 N91-13854

SPACE PHYSICS RESEARCH INST., SUNNYVALE, CA.

Diurnal forcing of planetary atmospheres
[NASA-CR-188779] 22 p3775 N91-31056

SPACE RESEARCH ORGANIZATION NETHERLANDS, GRONINGEN.

FIR and sub-mm direct detection spectrometers for spaceborne astronomy
13 p2178 N91-22026
The mm and sub-mm wave planar antenna arrays for SIS detectors
13 p2180 N91-22046

SPACE RESEARCH ORGANIZATION NETHERLANDS, UTRECHT.

Activities report of the Space Research Organization Netherlands
[ETN-91-98473] 08 p1243 N91-16848

SPACE STATION ENGINEERING AND INTEGRATION CONTRACTOR, NORTH OLMSTED, OH.

An assessment of the Space Station Freedom program's leakage current requirement
[NASA-CR-187077] 12 p1932 N91-20630

SPACE SYSTEMS DIV. AFSC FIELD OFFICE, HOUSTON, TX.

The Combined Release and Radiation Effects Satellite (CRRES) program: A unique series of scientific experiments
[NASA-TM-103380] 14 p2284 N91-22629

SPACE SYSTEMS/LORAL, PALO ALTO, CA.

Data distribution satellite
[NASA-CR-187066] 09 p1323 N91-17266
Unattended network operations technology assessment study. Technical support for defining advanced satellite systems concepts
[NASA-CR-187080] 15 p2533 N91-24030

SPACE TECHNOLOGY CORP., TOKYO (JAPAN).

Solutal diffusion measurements in liquid PbSnTe under microgravity (TEXUS 19)
23 p3832 N91-31372
Solution growth of GaAs single crystals (TEXUS 19)
23 p3836 N91-31393

Vapour growth of an InP crystal (TEXUS 20)
23 p3836 N91-31394

SPACE TELESCOPE SCIENCE INST., BALTIMORE, MD.
Novae as distance indicators
[NASA-CR-186278] 02 p0286 N91-11605
Evidence against a simple two-component model for the far-infrared emission from galaxies
05 p0741 N91-14136
Granularity in the magnetic field structure of M83
05 p0753 N91-14194
Dust in stellar wind bow shocks
06 p0901 N91-14979
Blue ellipticals in compact groups
08 p1248 N91-16873
The environments of Markarian galaxies
08 p1250 N91-16881
H I and mass distribution of GR8
08 p1250 N91-16884
The cD galaxy in Abell cluster 1775
08 p1251 N91-16886
Cool infalling gas and its interaction with the hot ISM of elliptical galaxies 08 p1256 N91-16915
Dust and ionized gas in active radio elliptical galaxies
08 p1256 N91-16919
IC5063: A merger with a hidden luminous active nucleus 08 p1257 N91-16923
Probing the tides in interacting galaxy pairs
08 p1258 N91-16932
The ultraviolet atlas of quasar and Blazar spectra
09 p1444 N91-17961
Accretion disk emission from a BL Lacertae object
09 p1445 N91-17971
A strategy for recovery: Report of the HST Strategy Panel
[NASA-CR-187826] 10 p1615 N91-18911
Transformation reborn: A new generation expert system for planning HST operations 14 p2313 N91-22773
Long range science scheduling for the Hubble Space Telescope 14 p2313 N91-22775
Progress in extra-solar planet detection
14 p2347 N91-22980
Inner coma imaging of Comet Levy (1990c) with the Hubble Space Telescope 17 p2897 N91-26012
Using HST: From proposal to science
18 p3079 N91-27023

SPAR AEROSPACE LTD., STE-ANNE-DE-BELLEVUE (QUEBEC).
Thermal balance testing of the Anik-E spacecraft
11 p1657 N91-19131

SPAR AEROSPACE LTD., TORONTO (ONTARIO).
Correlation of the Olympus thermal model using IR test data 07 p0953 N91-15240
System requirements and design features of Space Station Remote Manipulator System mechanisms
16 p2639 N91-24605

SPAR AEROSPACE LTD., WESTON (ONTARIO).
Operations with the special purpose dextrous manipulator on Space Station Freedom
12 p1938 N91-20659

SPARTA, INC., LAGUNA HILLS, CA.
Methodology for development and verification of flight critical systems
[AD-A229800] 12 p1843 N91-20132
Automated flight test management system
[NASA-CR-186011] 14 p2194 N91-22117
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 1: Real-time flight experiment support
[NASA-CR-179449] 16 p2559 N91-24193
Hypersonic Research Vehicle (HRV) real-time flight test support feasibility and requirements study. Part 2: Remote computation support for flight systems functions
[NASA-CR-179450] 16 p2559 N91-24194
National remote computational flight research facility
[NASA-CR-179432] 16 p2562 N91-24210

SPARTA, INC., LEXINGTON, MA.
Ultra-dense optical mass storage
[AD-A232767] 15 p2509 N91-23905
Multiple aperture imager component development
[AD-A233413] 16 p2630 N91-24561
Effects of solar heating by aerosols and trace gases on the temperature structure constant
[AD-A237675] 21 p3542 N91-29677
Development of optical subapertures
[AD-A237759] 21 p3582 N91-29924

SPARTAN MICROWAVE LTD., COSHAM (ENGLAND).
Assembly and packaging of microwave gallium arsenide devices for the space environment
24 p3995 N91-32325

SPECIAL ASTROPHYSICAL OBSERVATORY, ZELENCHUKSKAYA (USSR).
A homogeneous sample of binary galaxies: Basic observational properties 08 p1245 N91-16859
What is the number of spiral galaxies in compact groups 08 p1248 N91-16874
Triple galaxies and a hidden mass problem
08 p1249 N91-16875

SPECTRA RESEARCH SYSTEMS, INC., HUNTSVILLE, AL.
Telerobotic on-orbit remote fluid resupply system
[NASA-CR-184052] 05 p0627 N91-13474
Evaluation of telerobotic systems using an instrumented task board 12 p1937 N91-20658
Bearing tester data compilation analysis, and reporting and bearing math modeling
[NASA-CR-178883] 21 p3529 N91-29603
Evaluation of undeveloped rocket engine cycle applications to advanced transportation
[NASA-CR-184205] 23 p3804 N91-31215

SPECTRA TECHNOLOGY, INC., BELLEVUE, WA.
The Windvan pulsed CO2 Doppler lidar wide-area wind sensor 03 p0306 N91-11705

SPECTRAL SCIENCES, INC., BURLINGTON, MA.
Strategy Combining Regionally Adapted Processes (SCRAP)
[AD-A232158] 15 p2428 N91-23448
Limb retrieval capability of the SPIRIT 3 radiometer
[AD-A236351] 19 p3200 N91-27689
Description of the Strategic High-Altitude Atmospheric Radiation Code (SHARC)
[AD-A237089] 21 p3541 N91-29671

SPECTROLAB, INC., SYLMAR, CA.
Progress toward the development of dual junction GaAs/Ge solar cells 11 p1666 N91-19184
Production status of GaAs/Ge solar cells and panels
22 p3632 N91-30212

SPECTRON DEVELOPMENT LABS., INC., COSTA MESA, CA.
Development of an optical volumetric flowmeter
[PB91-136481] 14 p2268 N91-22550

SPELMAN COLL., ATLANTA, GA.
Implementation of an algorithm for cylindrical object identification using range data 19 p3268 N91-28075
The women in science and engineering scholars program 19 p3272 N91-28100

SPIRAL SURVEY EXPEDITION, THUNDER BAY (ONTARIO).
Polar lunar power ring: Propulsion energy resource
14 p2205 N91-22178

SPIRE CORP., BEDFORD, MA.
MOCVD of lead-germanate for non-volatile RAMs, phase 1
[AD-A230014] 12 p1986 N91-20928
Tunnel junctions for InP-on-Si solar cells
22 p3631 N91-30204

SPOT IMAGE CORP., TOULOUSE (FRANCE).
SPOT image 07 p0947 N91-15195

SPRINGER-VERLAG G.M.B.H. AND CO. K.G., HEIDELBERG (GERMANY, F.R.).
Computer-assisted publishing with its standards and compatibility problems 17 p2875 N91-25904

SPUR ELECTRON LTD., HAVANT (ENGLAND).
EEC component procurement: A look ahead
24 p4002 N91-32372

SRI INTERNATIONAL CORP., ARLINGTON, VA.
Natural and man-made noise and interference: Mechanisms and characteristics
19 p3147 N91-27391
Toward a global model of HF other-user interference
22 p3660 N91-30372

SRI INTERNATIONAL CORP., MENLO PARK, CA.
Electrochemical oxidation of methane at metal and metal oxide electrodes
[PB90-205196] 01 p0024 N91-10140
Spanwise aerodynamic loads on a rotating wind turbine blade
[DE91-002101] 05 p0615 N91-13414
Joule heating investigations using the sondrestrom radar and DMSP satellites
[AD-A227425] 06 p0847 N91-14677
Liquid hydrogen production and commercial demand in the United States 08 p1122 N91-16168
Ionic solid hydrogen fuel: Production and properties of hydrogen ion and energetic neutral clusters
[AD-A227683] 08 p1123 N91-16172
An evolutionary approach to designing neural networks
[AD-A228874] 08 p1208 N91-16643
Evaluation of a diffusion/trapping model for hydrogen ingress in high-strength alloys
[AD-A229288] 09 p1314 N91-17214
What FM can offer DFCS design
09 p1377 N91-17565
A verified model of fault-tolerance
09 p1377 N91-17568
Mechanical proofs of fault-tolerant clock synchronization 09 p1378 N91-17574
Evaluation of an expert system for fault detection, isolation, and recovery in the manned maneuvering unit
[NASA-CR-187466] 09 p1384 N91-17613
The semantics of fuzzy logic
12 p1966 N91-20820
Laser probes of natural gas ignition chemistry
[PB91-127993] 13 p2047 N91-21262
Theoretical investigation of energy storage in atomic and molecular systems: Metastable molecular fuels
[AD-A230854] 13 p2150 N91-21852
Mechanical properties of semiconductors and their alloys
[AD-A231820] 14 p2331 N91-22878
Research directions in database security, 2
[AD-A231878] 14 p2341 N91-22943
Multiphoton detection techniques for F and F2
[AD-A232641] 15 p2399 N91-23286
Ionic solid hydrogen fuel: Experimental investigation of cluster-impact fusion
[AD-A232642] 15 p2409 N91-23336
Solid polymer electrolytes for rechargeable batteries
[DE91-010231] 15 p2417 N91-23384
Channel diagnostics for the multi-pulse-propagation experiments at ATA
[DE91-009772] 15 p2431 N91-23466
Spatiotemporal characteristics of visual localization
[AD-A232734] 15 p2477 N91-23715
Advanced methods of approximate reasoning
[AD-A232140] 15 p2494 N91-23814
MITHRAS studies of the auroral oval and polar cap
[AD-A232975] 16 p2657 N91-24701
Engineering for artificial intelligence software
[AD-A234793] 18 p3045 N91-26814
Ab initio molecular dynamics simulations of surfaces and interfaces
[AD-A235315] 18 p3060 N91-26901
Modeling of microstructural effects on fracture processes at high loading rates
[AD-A235431] 19 p3133 N91-27313
Ultrafast laser techniques
[AD-A236688] 19 p3172 N91-27536
Adaptive interfaces
[AD-A235773] 19 p3221 N91-27804
The PegaSys environment for graphical documentation of large programs
[AD-A236557] 19 p3230 N91-27855
Formal specification and verification of a fault-masking and transient-recovery model for digital flight-control systems
[NASA-CR-4384] 19 p3232 N91-27868
Mechanical verification of a schematic Byzantine clock synchronization algorithm
[NASA-CR-4386] 19 p3233 N91-27873
Calculations of electron attachment and recombination in a hydrogen plasma
[AD-A235522] 19 p3249 N91-27973
Combustion research program: Flame studies, laser diagnostics, and chemical kinetics
[DE91-014824] 20 p3311 N91-28329
Discretionary security for object-oriented database systems
[AD-A237573] 21 p3553 N91-29740
Persistent data/knowledge base
[AD-A237498] 21 p3603 N91-30048
Experimental investigation of meteor burst footprints
22 p3659 N91-30369
Airborne observations of electric fields around growing and decaying cumulus clouds 24 p4049 N91-32616
Scale-model charge-transfer technique for measuring enhancement factors 24 p4055 N91-32651

ST SYSTEMS CORP., HAMPTON, VA.
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 1
[NASA-CR-4346-PT-1] 10 p1542 N91-18489
Effects of engine emissions from high-speed civil transport aircraft: A two-dimensional modeling study, part 2
[NASA-CR-4346-PT-2] 10 p1543 N91-18490
Radiometer offsets and count conversion coefficients for the Earth Radiation Budget Experiment (ERBE) spacecraft for the years 1984, 1985, and 1986
[NASA-CR-187589] 19 p3203 N91-27702

ST SYSTEMS CORP., LANHAM, MD.
An IUE study of the chromospheres and transition regions of F giant and subgiant stars
09 p1436 N91-17914
An assessment of instrument performance for the NOAA-9 SBUV/2 11 p1730 N91-19516
NOAA-9 SBUV/2 ozone sounding accuracy: Presentation summary 11 p1731 N91-19519
Constrained trajectory optimization for kinematically redundant arms
[NASA-CR-183477] 18 p2993 N91-26527
The 1980 solar maximum mission event listing
[NASA-TM-4287] 18 p3091 N91-27087

System improvements identified by the North Atlantic Systems Planning Group (NAT/SPG) as related to the capabilities of the Oceanic Display and Planning System (ODAPS)
24 p3957 N91-32109

ST SYSTEMS CORP., LEXINGTON, MA.

Semi-implicit time integration in limited area model
[AD-A226818] 06 p0866 N91-14785

A study of the interaction of physical and numerical parameterizations with regard to moisture forecasting in a regional model of the atmosphere
[AD-A227966] 08 p1178 N91-16488

Weather radar technology development
[AD-A233071] 16 p2659 N91-24715

STANDARD ELEKTRIK LORENZ A.G., PFORZHEIM (GERMANY, F.R.).

Propagation studies of a 60 GHz communication system
22 p3660 N91-30375

STANFORD LINEAR ACCELERATOR CENTER, CA.

Discrete gravity
[DE90-014808] 01 p0133 N91-10789

Discretized light-cone quantization: Application to quantum electrodynamics
[DE90-014832] 01 p0133 N91-10790

Computer determinations of the properties of waveguide loaded cavities
[DE91-000463] 04 p0514 N91-12855

High gradient electron guns
[DE91-000056] 06 p0790 N91-14369

Software management issues
[DE91-001031] 06 p0862 N91-14763

HEM(sub 11) modes revisited
[DE91-001028] 06 p0872 N91-14819

Performance measurements of hybrid PIN diode arrays
[DE91-004683] 07 p0999 N91-15484

Development of a customized SSC pixel detector readout for vertex tracking
[DE91-004684] 07 p1039 N91-15697

Damped and detuned accelerator structures
[DE91-001027] 07 p1067 N91-15870

Plasma focusing and diagnosis of high energy particle beams
[DE91-002966] 07 p1068 N91-15876

SLED II: A new method of RF pulse compression
[DE91-000058] 08 p1125 N91-16183

Theoretical topics in B-physics
[DE91-004911] 08 p1221 N91-16726

Deep inelastic structure functions from electron scattering on hydrogen, deuterium, and iron at 0.6 GeV2 less than or equal to Q2 less than or equal to 30.0 GeV2
[DE90-010169] 08 p1231 N91-16785

Performance measurements of hybrid PIN diode arrays
[DE90-010308] 08 p1232 N91-16790

Design of a high power cross field amplifier at X band with an internally coupled waveguide
[DE91-007591] 10 p1522 N91-18380

Beamstrahlung and QED backgrounds at future linear colliders
[DE91-006804] 10 p1595 N91-18800

A valiant little terminal: A VLT user's manual
[DE91-007295] 11 p1773 N91-19719

Invariant tori of the Poincare return map as solutions of functional difference equations
[DE91-007423] 11 p1782 N91-19777

Computation of invariant tori in 2 (1/2) degrees of freedom
[DE91-007424] 11 p1782 N91-19778

Introduction to AmigaT(sub E)X
[DE91-008518] 12 p1959 N91-20782

The Cheetah Data Management System
[DE91-010290] 14 p2341 N91-22947

Gauge bosons and heavy quarks: Proceedings of Summer Institute on Particle Physics
[DE91-011248] 18 p3061 N91-26907

On Feynman's proof of the Maxwell equations
[DE91-011758] 19 p3238 N91-27906

Simulation of a storage ring free electron laser with a mapping algorithm for distribution functions
[DE91-012387] 20 p3350 N91-28552

A 2D field solver for periodic structures with special corner elements
[DE91-012323] 20 p3391 N91-28792

Symplectic full-turn maps in a Fourier representation
[DE91-012912] 20 p3392 N91-28796

Refinement of the Hamilton-Jacobi solution using a second canonical transformation
[DE91-012965] 20 p3392 N91-28798

Heavy-quark physics in quantum chromodynamics
[DE91-012113] 20 p3397 N91-28828

Simulations on pair creation from beam-beam interaction in linear colliders
[DE91-012315] 20 p3398 N91-28834

Light-cone quantization of quantum chromodynamics
[DE91-013991] 20 p3402 N91-28856

SLC polarized beam source electron optics design
[DE91-012911] 20 p3404 N91-28869

Strain enhanced electron spin polarization observed in photoemision from InGaAs
[DE91-012319] 20 p3425 N91-28996

A high power cross-field amplifier at X-Band
[DE91-013277] 21 p3503 N91-29441

Study of nuclear effects in the deuteron and extraction of neutron to proton stucture function ratio
[DE91-015484] 21 p3574 N91-29873

Soft and hard Pomerons: Is there a distinction?
[DE91-016048] 24 p4096 N91-32883

Computation applied to particle accelerator simulations
[DE91-017128] 24 p4099 N91-32906

The comparison and selection of programming languages for high energy physics applications
[DE91-017130] 24 p4100 N91-32910

STANFORD TELECOMMUNICATIONS, INC., RESTON, VA.

The data distribution satellite system
[NASA-CR-187172] 23 p3856 N91-31499

STANFORD TELECOMMUNICATIONS, INC., WASHINGTON, DC.

Use of ISO protocols in the ADS environment
24 p3958 N91-32115

STANFORD UNIV., CA.

Mechanisms of high temperature crack growth in metals and alloys
[DE90-014934] 01 p0025 N91-10152

Pseudo-monotone complementarity problems in Hilbert space
[DE90-016310] 01 p0113 N91-10660

A numerical study of the effects of wind tunnel wall proximity on an airfoil model
[NASA-CR-187322] 02 p0161 N91-10934

Controlled vortical flow on delta wings through unsteady leading edge blowing
02 p0178 N91-11011

Boosting a tethered satellites's orbit around an oblate planet through resonant pumping
02 p0183 N91-11030

Attitude control of tethered satellites
02 p0186 N91-11045

Precision tethered satellite attitude control
02 p0187 N91-11046

Instabilities of two-dimensional inviscid compressible vortices
02 p0211 N91-11181

Minimum time feedback control of articulated robotic manipulators
02 p0218 N91-11219

The EGRET gamma ray telescope and its energy calibration
02 p0287 N91-11613

Testing for lightning as a source of radio bursts observed on the nightside of Venus
[NASA-CR-187364] 02 p0293 N91-11645

Processing composites
03 p0326 N91-11813

Dynamically testing of GP B electrostatically levitated spherical gyroscopes
03 p0368 N91-12062

Dynamic interaction of elastic composites and an acoustics fluid
[AD-A225056] 03 p0381 N91-12127

Robustness of linear systems to parameter variations
03 p0410 N91-12288

Design and implementation of interface units for high speed fiber optics local area networks and broadband integrated services digital networks
[NASA-CR-187384] 03 p0418 N91-12336

Cyclic voltammetry of semiconductor photoelectrodes
03 p0421 N91-12353

FTIR studies of H2O and D2O decomposition on porous silicon surfaces
[AD-A226581] 04 p0503 N91-12792

FTIR studies reveal that silicon-containing laser-induced desorption products are surface reaction intermediates
[AD-A226582] 04 p0503 N91-12793

Algorithms and architectures for high speed signal processing
[AD-A226203] 04 p0564 N91-13128

Modifying MINOS for solving the dual of a linear program
[AD-A226449] 04 p0565 N91-13135

Bounds on expectations of order statistics for dependent samples
[AD-A225500] 04 p0576 N91-13204

Development and evaluation of continuum models for translational-rotational nonequilibrium
05 p0613 N91-13403

Integrated aerodynamic and control system design of oblique wing aircraft
05 p0624 N91-13459

Ammonia decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A226625] 05 p0634 N91-13513

Publications, patents, presentations, honors, and students report. Kinetics of semiconductor processing chemistry: SiGe and GaAs growth on silicon surfaces
[AD-A226639] 05 p0634 N91-13514

Gradiometry coexperiments to the gravity probe B and step missions
[NASA-CR-187704] 05 p0681 N91-13788

Studies in statistical signal processing
[AD-A226825] 06 p0818 N91-14518

Reports on block rotations, fault domains and crustal deformation
[NASA-CR-186756] 06 p0844 N91-14665

Block rotations, fault domains and crustal deformation in the western US
06 p0844 N91-14666

Distributed deformation and block rotation in 3D
06 p0845 N91-14667

Stress field rotation or block rotation: An example from the Lake Mead fault system
06 p0845 N91-14668

Multiple strike slip faults sets: A case study from the Dead Sea transform
06 p0845 N91-14669

Computational equipment for the development of numerical algorithms computation
[AD-A226702] 06 p0857 N91-14729

A mediator architecture for abstract data access
[AD-A227362] 06 p0857 N91-14730

Mechanizing proof theory: Resource-aware logics and proof transformations to extract implicit information
[AD-A227147] 06 p0861 N91-14758

Covers by polars of arrangements
[DE91-001358] 06 p0862 N91-14764

Improved estimation of variance components in mixed models
[AD-A226854] 06 p0867 N91-14794

An investigation of diamond synthesis in an oxygen-acetylene diffusion flame
[AD-A227224] 06 p0881 N91-14870

Direct numerical simulations of a plane compressible wake: Stability, vorticity dynamics, and topology
[NASA-CR-187737] 07 p0936 N91-15129

Diamond synthesis in a 50 kW inductively coupled atmospheric pressure plasma torch
[AD-A227563] 07 p0985 N91-15405

Simultaneous measurements of velocity, temperature, and pressure using rapid CW wavelength-modulation laser-induced fluorescence of OH
[NASA-CR-187795] 07 p1007 N91-15530

Capture-recapture models and Bayesian sampling
[AD-A226853] 07 p1060 N91-15833

Likelihood ratio sensitivity analysis for Markovian models of highly dependable systems
[AD-A227992] 07 p1061 N91-15837

On the development of in-situ Raman analysis of plasma deposited diamond
[AD-A227453] 08 p1119 N91-16147

Joint services electronics program
[AD-A227576] 08 p1134 N91-16237

Numerical study of a three-dimensional turbulent boundary layer
[AD-A227835] 08 p1143 N91-16291

Microsupercomputers: Design and implementation
[AD-A228741] 08 p1196 N91-16571

Microsupercomputers: Design and implementation
[AD-A228744] 08 p1196 N91-16572

Analysis of parallel, replicated simulations under a completion time constraint
[AD-A228292] 08 p1203 N91-16613

Matrix algorithms in signal processing
[AD-A228851] 08 p1205 N91-16625

Experiments with initial transient deletion for parallel, replicated steady-state simulations
[AD-A227879] 08 p1206 N91-16636

Pathwise convexity and its relation to convergence of time-average derivatives
[AD-A228888] 08 p1210 N91-16662

Hierarchical Bayesian analysis of change point problems
[AD-A228179] 08 p1211 N91-16666

Estimating the asymptotic variance with batch means
[AD-A228293] 08 p1211 N91-16667

The asymptotic validity of sequential stopping rules for stochastic simulations
[AD-A228896] 08 p1211 N91-16668

Research into the design and implementation of knowledge base systems
[AD-A228873] 08 p1241 N91-16843

Intermediate temperature oxygen-conducting solid electrolytes and mixed conductors
[PB90-260522] 09 p1327 N91-17286

Solid-state lasers for coherent communication and remote sensing
[NASA-CR-187686] 09 p1344 N91-17382

A sequential quadratic programming algorithm using an incomplete solution of the subproblem
[AD-A228829] 09 p1383 N91-17606

QLISP for parallel processors
[AD-A228843] 09 p1387 N91-17630

Functional knowledge in problem solving
[AD-A228694] 09 p1390 N91-17648

Effects of neutral gas release on current collection during the CHARGE-2 rocket experiment
09 p1405 N91-17730
High-efficiency concentrator silicon solar cells
[DE91-006754] 10 p1541 N91-18481
Overview of ionospheric modification from space platforms 10 p1551 N91-18529
Plasma density enhancements created by the ionization of the Earth's upper atmosphere by artificial electron beams 10 p1551 N91-18531
Ionospheric modification using relativistic electron beams 10 p1551 N91-18532
Modification of the lower ionosphere in lightning-induced electron precipitation events and through VLF heating
10 p1553 N91-18539
Modeling and shape control of a segmented-mirror telescope 10 p1615 N91-18910
A satellite-ground study of the dynamics of the bulge region of the Earth's magnetosphere
10 p1627 N91-18974
Cascading a systolic array and a feedforward neural network for navigation and obstacle avoidance using potential fields
[NASA-CR-177575] 11 p1781 N91-19771
Surface-catalyzed chemiluminescence
[AD-A230176] 12 p1866 N91-20249
First order Raman spectrum of diamond at high temperatures
[AD-A230625] 12 p1876 N91-20309
Two characterizations of sufficient matrices
[AD-A230319] 12 p1956 N91-20761
Asynchronous design for parallel processing architectures
[AD-A230374] 12 p1963 N91-20802
Theory and applications of elliptically contoured and related distributions
[AD-A230672] 12 p1971 N91-20846
Scanning tunneling microscopy of semiconductor surfaces
[AD-A230064] 12 p1986 N91-20931
Metal-vacuum-metal tunneling
[AD-A230065] 12 p1986 N91-20932
Proceedings of an international conference on Organic Superconductors
[AD-A230241] 12 p1987 N91-20937
Superconductivity and superconductive electronics
[AD-A230409] 12 p1989 N91-20947
Acquiring generalizations to organize human databases
[AD-A230415] 12 p1997 N91-20995
Research studies on extreme ultraviolet and soft x ray lasers
[AD-A231033] 13 p2093 N91-21523
Control of free-flying space robot manipulator systems
[NASA-CR-188026] 13 p2094 N91-21527
Experiments in thrusterless robot locomotion control for space applications
[NASA-CR-188027] 13 p2094 N91-21528
Experiments in cooperative-arm object manipulation with a two-armed free-flying robot
[NASA-CR-188028] 13 p2094 N91-21529
Computer aided design tools and algorithms for submicron technologies
[AD-A231171] 13 p2135 N91-21757
Interior-point methods for convex programming
[AD-A231372] 13 p2137 N91-21765
Iterative procedures for exact maximum likelihood estimation in the first-order Gaussian moving average model
[AD-A230812] 13 p2144 N91-21809
Bayesian analysis of constrained parameter and truncated data problems
[AD-A231080] 13 p2144 N91-21810
Beam line and associated work
[AD-A231243] 13 p2153 N91-21867
On the suitability of the connection machine for direct particle simulation 14 p2186 N91-22073
Minimum fuel trajectories for low-thrust power-limited spacecraft 14 p2206 N91-22185
The ultra high resolution XUV spectroheliograph: An attached payload for the Space Station Freedom
[NASA-CR-184156] 14 p2235 N91-22365
Effect of transversely low-velocity impact on graphite/epoxy laminated composites
[AD-A231964] 14 p2241 N91-22395
Wave propagation in anisotropic layered composites
14 p2255 N91-22474
Analysis of routine communication in the air traffic control system
[NASA-CR-188116] 14 p2256 N91-22475
The development and analysis of new techniques for measuring the strength and stiffness of thin films and the sliding resistance of stiff fibers in a ceramic matrix
14 p2275 N91-22584
Decision under conflict
[AD-A231109] 14 p2299 N91-22707
An adaptive primal-dual method for linear programming
[AD-A231903] 14 p2307 N91-22748
Simultaneous comparisons of multiple treatments to two (or more) controls
[AD-A231079] 14 p2320 N91-22816
Investigation of Schottky barrier on GaAs and InP using a multi-disciplined approach
[AD-A231822] 14 p2331 N91-22879
View objects for relational databases
14 p2339 N91-22932
Evolution of the quasar distribution, cosmology, and the accretion disk model of AGN 14 p2343 N91-22955
Coherent emission and stochastic acceleration processes associated with nonthermal electrons in astrophysical plasma 14 p2344 N91-22956
A new architecture and expert system for aircraft design synthesis 15 p2373 N91-23132
High temperature deformation processes and strengthening mechanisms in intermetallic particulate composites
[AD-A232737] 15 p2396 N91-23267
The effects of controlling vortex formation on the performance of a dump combustor
15 p2397 N91-23270
A numerical study of the stratified turbulent Ekman layer 15 p2423 N91-23421
Advanced diagnostics for reacting flows
[AD-A232609] 15 p2509 N91-23902
Soft x ray/extreme ultraviolet images of the solar atmosphere with normal incidence multilayer optics
15 p2527 N91-24006
Nonlinear Aerodynamics and the Design of Wing Tips
[NASA-CR-188044] 16 p2546 N91-24105
Linear controller design via infinite convex optimization
[AD-A233335] 16 p2621 N91-24510
Fundamental studies of the mechanical behavior of microelectronic thin film materials
[AD-A232935] 16 p2647 N91-24653
Microsupercomputers: Design and implementation
[AD-A233155] 16 p2666 N91-24748
Importance sampling for tail probabilities
[AD-A232412] 16 p2680 N91-24834
Joint Services Electronic Program
[AD-A233541] 16 p2695 N91-24921
Control of a tethered artificial gravity spacecraft
17 p2740 N91-25163
Experiments in thrusterless robot locomotion control for space applications 17 p2782 N91-25396
A study of in-parallel manipulators
17 p2782 N91-25397
Application of the Stroh formalism to selected static and dynamic problems in two-dimensional anisotropic elasticity 17 p2787 N91-25423
On heterogenization in elasticity
17 p2788 N91-25427
A geometrically exact shell theory
17 p2789 N91-25433
Inelasticity and mixed variational methods in classical continua and geometrically exact shells
17 p2789 N91-25434
An identification algorithm based on smoothing
17 p2831 N91-25642
Recursive derivation of explicit equations of motion for efficient dynamic/control simulation of large multibody systems 17 p2840 N91-25695
Voyager radio occultation by the Uranian rings: Structure, dynamics, and particle sizes
[NASA-CR-188539] 17 p2916 N91-26099
Chromospheric dynamics based on infrared solar brightness variations 17 p2918 N91-26104
Comparison of hydrogen desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234633] 18 p2947 N91-26262
Comparison of H2 desorption kinetics from Si(111)7x7 and Si(100)2x1
[AD-A234634] 18 p2947 N91-26263
Desorption product yields following Cl2 adsorption on Si(111)7x7: Coverage and temperature dependence
[AD-A234635] 18 p2947 N91-26264
FTIR studies of water and ammonia decomposition on silicon surfaces
[AD-A234637] 18 p2948 N91-26265
Diethylsilane decomposition on silicon surfaces studied using transmission FTIR spectroscopy
[AD-A234638] 18 p2948 N91-26266
Adsorption and decomposition of diethylsilane on silicon surfaces
[AD-A234639] 18 p2948 N91-26267
Theory and experimental and chemical instabilities
[AD-A234916] 18 p2948 N91-26270
Laser-induced desorption of H2 from Si(111)7x7
[AD-A234636] 18 p2990 N91-26508
SUNLITE program. Sub-Hertz relative frequency stabilization of two diode laser pumped Nd:YAG lasers locked to a Fabry-Perot interferometer
[NASA-CR-184957] 18 p2992 N91-26520
Induced pictorial representations
[AD-A234548] 18 p3032 N91-26735
A system and language environment for scientific computing
[AD-A233747] 18 p3039 N91-26772
Deductive programming synthesis
[AD-A233770] 18 p3039 N91-26774
Adaptive component methods for time dependent PDE's
[AD-A233776] 18 p3039 N91-26775
Converting a converging algorithm into a polynomially bounded algorithm
[AD-A234961] 18 p3041 N91-26788
Large-scale stochastic linear programs: Importance sampling and Benders decomposition
[AD-A234962] 18 p3041 N91-26789
Symbolic expressions of composite grid structures
[AD-A233794] 18 p3049 N91-26836
Weighted least squares estimation for Aalen's additive risk model
[AD-A235250] 18 p3052 N91-26852
High temperature superconducting films and crystals
[AD-A235234] 18 p3070 N91-26965
Turbulent reacting flows and supersonic combustion
[AD-A236759] 19 p3128 N91-27280
An accurate hyperbolic system for oceanographic flows
[AD-A234072] 19 p3204 N91-27712
Deductive programming synthesis
[AD-A236001] 19 p3226 N91-27832
Monte Carlo (importance) sampling within a benders decomposition algorithm for stochastic linear programs extended version: Including results of large-scale problems
[AD-A236419] 19 p3229 N91-27851
First-order gradient descent training of adaptive discrete-time dynamic networks
[AD-A236796] 19 p3234 N91-27883
Truncated inverse sampling procedure for multinomial subset selection
[AD-A235769] 19 p3236 N91-27891
Ultra-low temperature properties of amorphous solids
[DE91-012782] 20 p3308 N91-28312
Thermodynamics and efficiency in combustion and engines
[DE91-012781] 20 p3310 N91-28320
High-resolution measurements of the thermal conductivity and boundary resistance of helium-4 near the lambda point 20 p3310 N91-28322
Phonon-mediated detection of elementary particles using silicon crystal acoustic detectors
20 p3349 N91-28547
Numerical investigation of the thrust efficiency of a laser-propelled vehicle 20 p3353 N91-28572
Laser speckle velocimetry with photorefractive recording and anamorphic optical processing
20 p3406 N91-28880
Millimeter-wave characterization of GaAs devices and IC's
[AD-A237843] 21 p3506 N91-29461
VLSI circuit techniques and technologies for ultrahigh speed data conversion interfaces
[AD-A238115] 21 p3507 N91-29468
Physical concepts and modeling procedures for picosecond and subpicosecond distributed circuits
[AD-A238592] 21 p3508 N91-29472
The evolution and structure of homogeneous stably stratified sheared turbulence 21 p3512 N91-29499
Photoelectron and photoionization pumping of XUV lasers by laser-produced plasmas
21 p3521 N91-29558
Quasistatic manipulation with compliance and friction
21 p3527 N91-29591
Motion planning for manipulators with excessive degrees of freedom 21 p3527 N91-29592
Experiments in adaptive control of cooperating manipulators 21 p3527 N91-29594
Integrated structural damping and control system design for high-order flexible systems 21 p3531 N91-29617
Primal-dual methods for linear programming
[AD-A237418] 21 p3555 N91-29756
Simulation methodology
[AD-A238113] 21 p3557 N91-29765
Barrier methods for large-scale quadratic programming
[AD-A238554] 21 p3558 N91-29773
Asynchronous design for parallel processing architectures
[AD-A237696] 21 p3560 N91-29783
Expert systems on multiprocessor architectures. Volume 1: Summary
[AD-A238046] 21 p3560 N91-29786

Expert systems on multiprocessor architectures. Volume 2: Technical reports
[AD-A238047] 21 p3560 N91-29787
Expert systems on multiprocessor architectures, volume 3
[AD-A238048] 21 p3560 N91-29788
Expert systems on multiprocessor architectures, volume 4
[AD-A238049] 21 p3560 N91-29789
The asymptotic distributions of autoregressive coefficients
[AD-A238538] 21 p3567 N91-29831
Confidence bands for the median survival time as a function of the covariates in the Cox model
[AD-A237626] 21 p3568 N91-29835
Diffusion approximations for complex repair systems
[AD-A238100] 21 p3568 N91-29836
Measurement and control of the unsteady, separated flow downstream of an oscillating spoiler
22 p3611 N91-30086
Forebody tangential blowing for control at high angles of attack
[NASA-CR-188773] 22 p3622 N91-30152
A closed loop GPS-based orbit trim system for Gravity Probe B 22 p3626 N91-30178
Damage in graphite-epoxy laminated composites due to low-velocity impact 22 p3644 N91-30278
Joint services electronic program
[AD-A238463] 22 p3668 N91-30422
Emission and laser-induced fluorescence diagnostics of a supersonic jet of plasma-heated nitrogen
22 p3672 N91-30445
Quantitative imaging of turbulent gaseous jets using planar laser-induced fluorescence
22 p3672 N91-30446
Heat transfer with high intensity, large scale turbulence: The flat plate turbulent boundary layer and the cylindrical stagnation point 22 p3674 N91-30454
Structure and control of a particle-laden jet
22 p3674 N91-30455
Simulation of a compressible forced mixing layer using Clebsch's variables 22 p3674 N91-30456
Experiments in end-point position and force control of a minimanipulator on a flexible-drive manipulator
22 p3685 N91-30517
Experiments in cooperative-arm object manipulation with a two-armed free-flying robot 22 p3685 N91-30518
Probabilistic finite element methods for problems in solid mechanics 22 p3691 N91-30552
The interaction of particles with homogeneous turbulence 23 p3864 N91-31548
RNG and turbulence modeling
23 p3867 N91-31570
Energy transfer processes in solar energy conversion
[DE91-016102] 23 p3889 N91-31704
Open architecture for formal reasoning
[AD-A239395] 23 p3914 N91-31857
Practical aspects of an interior-point method for convex programming
[AD-A239457] 23 p3914 N91-31858
Mathematical theory of computation
[AD-A239419] 23 p3922 N91-31912
Bayes theorem from a sampling-resampling perspective
[AD-A239515] 23 p3923 N91-31919
On combining independent significance tests
[AD-A239660] 23 p3923 N91-31920
Limited reaction processing for semiconductor materials preparation
[AD-A239639] 23 p3933 N91-31983
High-temperature thermomechanical behavior of carbon-phenolic and carbon-carbon composites
24 p3969 N91-32171
Delaminations in composite plates under transverse static or impact loads 24 p3971 N91-32183
Collaborative testing of turbulence models
24 p4016 N91-32451
Fluid dynamics of double diffusive systems
[DE91-017401] 24 p4018 N91-32465
Fracture characterization for thermoinelasticity
24 p4030 N91-32517

STARMARK CORP., ARLINGTON, VA.

Decision-height windows for decelerating approaches in helicopters: Pilot/vehicle factors and limitations
[DOT/FAA/CT-90/14] 19 p3103 N91-27145

STARSYS RESEARCH CORP., BOULDER, CO.

Resettable binary latch mechanism for use with paraffin linear motors 16 p2641 N91-24619

STATE DEPT., WASHINGTON, DC.

Eastern Europe: Please stand by
[PB91-14336] 15 p2411 N91-23348

STATE UNIV. COLL. OF NEW YORK, BUFFALO.

Critical behavior in magnetic superlattices
[AD-A231327] 13 p2162 N91-21925
Heisenberg approach to photon emission near a phase conjugator
[AD-A233585] 16 p2685 N91-24871
Propagators for quantum oscillator chains
[AD-A234467] 18 p3058 N91-26893

STATE UNIV. OF NEW YORK, ALBANY.

Thermophysical properties of fluids and fluid mixtures
[DE90-016306] 01 p0134 N91-10792
Planetary boundary layer dynamics over the Amazon rain forest 02 p0236 N91-11317
Midtropospheric cutoff cyclogenesis
07 p1029 N91-15650
Assessment of atmospheric exposure and deposition to high elevation forests in the Eastern United States
[PB91-100164] 09 p1358 N91-17464
Microphysical studies of noctilucent clouds
[AD-A229020] 09 p1364 N91-17499
The study of ozone behavior over Brazil
17 p2806 N91-25515
Cluster beam analysis via photoionization
[AD-A234111] 18 p2946 N91-26253
Effect of aerosols on laser-induced breakdown
[AD-A234324] 18 p2989 N91-26502
Seismic event location in regional distances
[AD-A235577] 19 p3199 N91-27686
Development and application of new modeling techniques for mesoscale atmospheric chemistry
20 p3374 N91-28692
Data users guide to the mountain cloud chemistry project
[PB91-168484] 20 p3375 N91-28697
A Workshop on the Integration of Numerical and Symbolic Computing Methods
[AD-A238601] 21 p3558 N91-29774

STATE UNIV. OF NEW YORK, BINGHAMTON.

An open intelligent information systems architecture
07 p1076 N91-15922
The distribution of the size and number of shadows cast on a line segment in a Poisson random field
[AD-A233697] 18 p3053 N91-26857
Activated-surface chemical vapor deposition
[AD-A236083] 19 p3253 N91-27999

STATE UNIV. OF NEW YORK, BUFFALO.

Cluster production in free-jet expansions: Chlorobenzene seeded in ammonia
[AD-A224692] 03 p0337 N91-11887
Coefficients of the second viscosity in thin liquid-helium films
[AD-A225237] 03 p0339 N91-11899
Specific heat of anisotropic superconductors
[AD-A225031] 03 p0414 N91-12314
Semiempirical study of rare gas and rare gas-hydrogen ionic clusters: Rn(+), (RnH)(+) and (RnH2)(+) for R = Ar, Xe
[AD-A226464] 04 p0503 N91-12791
Linear and nonlinear optical properties of small silicon clusters
[AD-A225495] 04 p0518 N91-12882
Change in density of states in a resonant tunneling structure due to a scattering center in the well
[AD-A225861] 04 p0588 N91-13283
High speed turbulent reacting flows: DNS and LES
04 p0593 N91-13313
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-187674] 05 p0658 N91-13656
Photodissociation near a rough metal surface: Effect of reaction fields
[AD-A227030] 06 p0805 N91-14445
On the modeling and control of slewing flexible structures 06 p0815 N91-14499
Scale-invariant theory of optical properties of fractal clusters
[AD-A227031] 06 p0874 N91-14832
Development of an integrated BEM approach for hot fluid structure interaction
[NASA-CR-187675] 07 p1001 N91-15496
Design, ultrastructure, and dynamics of nonlinear optical interactions in polymeric thin films
[AD-A228876] 08 p1120 N91-16156
Theoretical studies of electron transport in quantum-well structures
[AD-A228429] 08 p1237 N91-16819
An experimental study of nonlinear dynamic system identification 09 p1290 N91-17089
High speed signal processing concepts
[AD-A227911] 09 p1390 N91-17647
Surface-induced optical bistability in coupled exciton-phonon systems
[AD-A228833] 09 p1411 N91-17764
Escape time from a biased asymmetric double quantum well
[AD-A229289] 09 p1419 N91-17809
Comparison of group transfer, inner sphere, and outer sphere electron transfer mechanisms of organometallic complexes
[DE91-005933] 10 p1500 N91-18258
Transient dynamics in excitonic optical bistability in polymers
[AD-A229901] 12 p1872 N91-20286
Spectrum of the third-order nonlinear susceptibility of trans-polyacetylene
[AD-A230109] 12 p1873 N91-20291
BEST3D user's manual: Boundary Element Solution Technology, 3-Dimensional Version 3.0
[NASA-CR-185298] 12 p1915 N91-20538
Spectral and temporal distribution of phase-conjugated fluorescent photons
[AD-A230504] 12 p1976 N91-20873
Theory and numerical simulation of optical properties of fractal clusters
[AD-A230206] 12 p1980 N91-20896
Position expectation value and oscillator strength of a biased asymmetric quantum well
[AD-A229803] 12 p1990 N91-20953
Cluster calculation of CuO2 in high-Tc superconductors
[AD-A230758] 12 p1991 N91-20959
Transient descriptors as performance criteria in the dynamics and control of vibrating systems
14 p2196 N91-22129
An experimental study of nonlinear dynamic system identification 14 p2232 N91-22346
Time domain modal identification/estimation of the mini-mast testbed 14 p2232 N91-22347
Effect of strong critical layer nonlinearity on the spatial evolution of externally excited compressible free shear layers 14 p2262 N91-22515
Mixing and non-equilibrium chemical reaction in a compressible mixing layer
[NASA-CR-187084] 15 p2381 N91-23181
Bromination of carbon fibers and carbon-carbon composites 15 p2392 N91-23240
Multifactor stress aging of electrical insulation
[AD-A232915] 16 p2620 N91-24504
Interface-Phonon-Mediated magnetopolaronic effect on impurity transition energies in quantum wells
[AD-A232390] 16 p2694 N91-24913
Large eddy simulations and direct numerical simulations of high speed turbulent reacting flows
[NASA-CR-188599] 17 p2776 N91-25364
Exposure to stressful environments: Strategy of adaptive responses 17 p2818 N91-25575
Gravitational force and the cardiovascular system
17 p2819 N91-25579
Cationic polymerization within van der Waals clusters of the form (CH2=R)n where R=CH2, CF2 and CHCH3
[AD-A234233] 18 p2946 N91-26255
Cluster beam deposition of high temperature materials
[AD-A234358] 18 p2961 N91-26343
Field work and dispersion relations of excitations on fractals
[AD-A234953] 18 p2980 N91-26455
Trimodal random-field Ising systems in a transverse field
[AD-A235038] 18 p3055 N91-26875
Resonance fluorescence spectrum of an atom near a phase conjugator
[AD-A234535] 18 p3058 N91-26894
Molecular engineering dynamics of electron transport and nonlinear optical interaction in Langmuir-Blodgett films of organic semiconductor heterostructure
[AD-A235001] 18 p3059 N91-26897
Polaron ground state in a double heterostructure of polar crystals
[AD-A235037] 18 p3070 N91-26963
Comment on effect on surface reconstruction on stability and reactivity of Si clusters
[AD-A235517] 19 p3123 N91-27252
Synthesis of high performance ceramic fibers by chemical vapor deposition for advanced metallics reinforcing
[NASA-CR-185384] 19 p3136 N91-27328
Analytical and experimental modeling and control of flexible structures
[AD-A235523] 19 p3174 N91-27548
Finite element analysis for creep and rupture of nonlinear viscoelastic materials 19 p3179 N91-27576
(Tertiary-butyl) cyclopentadienylindium(I), In(C5H4CMe3)-synthesis, characterization, and x ray structural study
[AD-A235576] 19 p3251 N91-27982
Exact solution of a quantum forced time-dependent harmonic oscillator
[AD-A236633] 20 p3394 N91-28812
Phase-conjugated fluorescence
[AD-A231114] 20 p3395 N91-28820

Indium compounds which contain two different organic substituents. Crystal structure of (In(CH2CMe3)(CH2SiMe3)Cl)2, an interesting case of partial Ligand disorder in the solid state
[AD-A236730] 20 p3424 N91-28989
Synthesis of multifilament silicon carbide fibers by chemical vapor deposition
[NASA-CR-188725] 21 p3485 N91-29331
First International conference on Frontiers of Polmer Research
[AD-A238112] 21 p3489 N91-29361
Alignment of tomographic projections using an incomplete set of fiducial markers
[AD-A238536] 21 p3558 N91-29772
Charge motion effects in ionic clusters
[AD-A238178] 21 p3576 N91-29886
Photoreflectance and DLTS evaluation of plasma-induced damage in GaAs and InP prior to solar cell fabrication 22 p3632 N91-30213
Thermoelectric phenomena in metals under large temperature gradients
[AD-A229548] 22 p3666 N91-30412
Cooperative absorption-induced charge transfer in a solid
[AD-A229553] 22 p3666 N91-30413
Optical (hyper) polarizabilities of small silicon clusters
[AD-A229383] 22 p3754 N91-30926
Determination of solvation kinetics in supercritical fluids
[DE91-016096] 23 p3810 N91-31253
Prediction of rotor surface unsteady pressure and heat transfer from wake passing 23 p3864 N91-31549
Active damping using a control structure interaction approach 24 p3990 N91-32290

STATE UNIV. OF NEW YORK, FARMINGDALE.
Some aspects of robotics calibration, design and control 11 p1826 N91-20035

STATE UNIV. OF NEW YORK, OLD WESTBURY.
Infrared/submillimeter optical properties data base 17 p2877 N91-25915

STATE UNIV. OF NEW YORK, OSWEGO.
Nitrogen abundances from UV lines of HgMn and standard late-B stars 17 p2879 N91-25924

STATE UNIV. OF NEW YORK, PLATTSBURGH.
The meteoritic contribution to the regoliths of Mars, Deimos, and Phobos 17 p2911 N91-26070

STATE UNIV. OF NEW YORK, STONY BROOK.
Analytic studies in nuclear astrophysics 02 p0290 N91-11628
Experimental studies of Josephson effect
[AD-A226548] 05 p0725 N91-14051
The 3.4 micron emission in comets 06 p0906 N91-15006
Studies of the chemistry of the nightside ionosphere of Venus
[NASA-CR-187714] 06 p0930 N91-15114
Theoretical studies of chemisorption and surface reactions on nickel and silicon
[DE91-004171] 07 p0975 N91-15353
Atomic and electronic structure of metals and alloys: Clean surfaces and chemisorbed molecules
[DE91-000267] 08 p1115 N91-16123
Research in nuclear astrophysics: Stellar collapse and supernovae
[DE91-005988] 09 p1428 N91-17859
Studies of atmospheric molecules by multiphoton spectroscopy
[DE91-006738] 11 p1737 N91-19554
Plant development in space: Observations on root formation and growth 11 p1758 N91-19670
Studies in clustering theory
[AD-A230967] 13 p2082 N91-21475
A study of grain boundary structure in YBa2Cu3O(7-delta) 14 p2330 N91-22875
Turbulent mixing in nonreacting and reacting flows: A PDF approach at the two-point level 15 p2423 N91-23422
Nonlinear waves in real materials
[AD-A232654] 15 p2428 N91-23452
Near-infrared milliarcsecond observations by the lunar occultation technique 15 p2533 N91-24034
Theoretical and numerical investigations of scalar fields in isotropic turbulence 16 p2623 N91-24524
Study of Josephson effect arrays as sources at 1 THz
[AD-A234526] 18 p3068 N91-26952
Research in theoretical nuclear physics
[DE91-013644] 20 p3404 N91-28872
Light scattering characterization of polymer additives and correlation of molecular properties of polymer fluids
[AD-A238547] 21 p3490 N91-29367
Research in nuclear astrophysics: Stellar collapse and supernovae
[DE91-015449] 21 p3606 N91-30066
Stochastic models for manipulator analysis and synthesis 22 p3686 N91-30522

STATE UNIV. OF NEW YORK, SYRACUSE.
Accuracy of ocean color data derived from the Coastal Zone Color Scanner (CZCS)
[AD-A235719] 19 p3204 N91-27713

STATE UNIV. OF NEW YORK AT BUFFALO, AMHERST.
Light-induced drift of quantum-confined electrons in semiconductor heterostructures
[AD-A229959] 12 p1986 N91-20927
The computation of complex, two-dimensional turbulent flows using Reynolds stress closure 20 p3347 N91-28535
Nonlinear effects in thermally and mechanically induced motion of elastic solids 22 p3693 N91-30561

STATISTICAL SIGNAL PROCESSING, INC., YOUNTVILLE, CA.
Signal-selective high-resolution direction finding in multipath
[AD-A226225] 04 p0476 N91-12656

STAZIONE ASTRONOMICA INTERNAZIONALE DI LATITUDINE, CAGLIARI (ITALY).
Diffuse absorption bands in Orion: A correlation with the UV reddening curve 09 p1443 N91-17956

STERLING FEDERAL SYSTEMS, INC., MOFFETT FIELD, CA.
Calculation of the rotor induced download on airfoils 02 p0148 N91-10864
An architecture for designing fuzzy logic controllers using neural networks 12 p1965 N91-20812
NSI operations center 18 p3081 N91-27038

STERLING FEDERAL SYSTEMS, INC., PALO ALTO, CA.
OSI in the NASA science internet: An analysis
[NASA-CR-177561] 02 p0256 N91-11425
Army-NASA aircrew/aircraft integration program (A3I) software detailed design document, phase 3
[NASA-CR-177557] 11 p1771 N91-19714
FAST: A multi-processed environment for visualization of computational fluid 14 p2355 N91-23024
Modelling parallel programs and multiprocessor architectures with AXE
[NASA-CR-177582] 16 p2673 N91-24793

STERLING SOFTWARE, MOFFETT FIELD, CA.
The Pilot Land Data System (PLDS) at the Ames Research Center manages aircraft data in collaboration with an ecosystem research project 17 p2793 N91-25450
Requirements management: A CSR's perspective 18 p3079 N91-27027
NSI conference support 18 p3080 N91-27031

STERNBERG ASTRONOMICAL INST., MOSCOW (USSR).
Thirty-five-day cycle of Her X-1: Synthesised optical light curves in the model of freely processing neutron star 06 p0921 N91-15089
On the nature of cosmic gamma ray bursts 06 p0922 N91-15098
The optical observations of x ray Nova GS2023+33 = V404 Cyg 06 p0923 N91-15103
The H I content of non-isolated galaxies 08 p1250 N91-16883

STEVENS INST. OF TECH., HOBOKEN, NJ.
Properties of composite electrodeposits
[AD-A228079] 07 p0972 N91-15339
Nonequilibrium Green's functions and quantum transport theory for semiconductor microstructures 15 p2515 N91-23937
Applications of formal simulation languages in the control and monitoring subsystems of Space Station Freedom 18 p3094 N91-27100
High accuracy optical rate sensor 18 p3097 N91-27115
Injection molding of engineering plastics
[AD-A238583] 21 p3494 N91-29389

STICHTING VOOR FUNDAMENTEEL ONDERZOEK DER MATERIE, UTRECHT (NETHERLANDS).
Activities report of the Foundation for Fundamental Research on Matter
[ETN-91-98765] 10 p1590 N91-18766
Activities report of the Foundation for Fundamental Research on Matter
[ETN-91-98766] 10 p1590 N91-18767

STIFTUNG INST. FUER WERKSTOFFTECHNIK, BREMEN (GERMANY, F.R.).
X ray measurements of residual stresses in thin, hard layers 05 p0639 N91-13542
Possibilities of stress measurement on ceramic materials using acoustic microscopy 05 p0640 N91-13547

STIRLING THERMAL MOTORS, INC., ANN ARBOR, MI.
Heat pipe gas combustion system endurance test for Stirling engine
[PB91-161257] 17 p2806 N91-25511

STOCKHOLM OBSERVATORY (SWEDEN).
A survey of galaxies in CO 05 p0737 N91-14118
Star formation after core collapse 10 p1619 N91-18929
MOSES: A proposed Swedish submillimeter satellite for combined astronomical and atmospheric observations 13 p2181 N91-22050

STOCKHOLM UNIV. (SWEDEN).
Democratic Monte-Carlo generation of hadronic fragments with conserved momentum
[USIP-90-03] 07 p1061 N91-15836
A veto detector for discrimination of charged particles
[USIP-90-02] 07 p1066 N91-15864
On the algebraic moments of the transverse momentum distribution of hadrons produced in lepto-production
[USIP-90-05] 07 p1066 N91-15865
Cosmic-ray muons as a calibration source for high energy gamma ray detectors
[USIP-90-06] 07 p1086 N91-15973
Parametric aerosol sampling at low concentration levels
[AA-1] 10 p1545 N91-18501
Atmospheric water parameters in mid-latitude cyclones observed by microwave radiometry and compared to model calculations
[NASA-CR-187996] 10 p1556 N91-18558
On applying the adjoint model technique to a time series of surface pressure data
[DM-53] 10 p1556 N91-18559
Metals in biology: Technical details of quantum chemical ab initio calculations on ferrous and ferric iron-bis-glyoxal and iron-bis-dithiolene
[USIP-89-01] 14 p2297 N91-22700
The transverse momentum of hadrons in lepto-production as a test of QCD
[USIP-90-04] 14 p2325 N91-22844
A determination of alpha(s) from the transverse momenta of hadrons produced in neutrino and antineutrino interactions
[USIP-90-07] 14 p2325 N91-22845
Grouping of clouds and internal gravity waves in a non-hydrostatic model of moist convection
[DM-55] 15 p2469 N91-23679
A one dimensional wind profile model with stability and eddy viscosity estimations from sodar data
[DM-56] 15 p2469 N91-23680
The reduced version of the DERF 2 data set on a WORM optical disk
[DM-54] 15 p2524 N91-23991
The MISU baseline station
[AA-2] 22 p3703 N91-30611
On the K-X and M-X band systems of ThO
[USIP-91-01] 22 p3753 N91-30922
Initialization of the HIRLAM model using a digital filter
[DM-57] 23 p3896 N91-31747

STRATEGIC AIR COMMAND, OFFUTT AFB, NE.
ICBM abbreviations and acronyms (2nd edition)
[PB91-193375] 24 p4117 N91-33011

STRATEGIC DEFENSE INITIATIVE ORGANIZATION, WASHINGTON, DC.
Report to the Congress on the strategic defense initiative, 1990
[AD-A224950] 03 p0413 N91-12312
SDIO long wavelength infrared detector requirements 06 p0793 N91-14381

STRATHCLYDE UNIV., GLASGOW (SCOTLAND).
Laser spectroscopy of quantum well and superlattice structures
[AD-A236232] 19 p3254 N91-28003
The superconducting gravity gradiometer 23 p3894 N91-31734

STRUCTURAL INTEGRITY ASSOCIATES, INC., SAN JOSE, CA.
Elevated temperature crack growth in titanium aluminides
[AD-A227700] 08 p1115 N91-16125

STUTTGART UNIV. (GERMANY, F.R.).
Test launch for turboaircraft engine. Description of the installation
[ILA-87-A-02] 02 p0181 N91-11018
Examination of a three dimensional asymmetrical flow field using the interference method
[ETN-90-97859] 02 p0209 N91-11168
Problems of static divergence concerning the rpm regulation of wind turbines using centrifugal force controlling means and rotating slat
[ETN-90-97858] 02 p0229 N91-11281
Enhancement of the Stuttgart altitude test facility
[ETN-90-97860] 04 p0487 N91-12708
Multi-parametric SAR system: Demands by and chances for the Mission to Planet Earth 07 p0991 N91-15436
Finite element approximations for transonic flows
[ETN-91-98491] 08 p1091 N91-15988
A process for unstationary velocity and turbulence measurements with a pneumatic measuring wedge probe
[MITT-33] 08 p1146 N91-16310
Study on ECW transmission lines for NET/ITER
[EUR-FU/80/90-99] 08 p1230 N91-16781

High power arcjet
[NASA-CR-187986] 11 p1665 N91-19173
Effect of hyper-gravity on the swimming behavior of aquatic vertebrates 11 p1750 N91-19626
Morphological, electronmicroscopical and biochemical aspects of hyper-gravity conditions during early ontogenetic development of Cichlid fish 11 p1752 N91-19638
Nonequilibrium in a low power arcjet nozzle
[NASA-CR-187166] 19 p3116 N91-27215

SUNDSTRAND DATA CONTROL, INC., REDMOND, WA.
Noise power spectral density of the Sundstrand QA-2000 accelerometer 03 p0433 N91-12426
Status of Sundstrand research 16 p2557 N91-24183

SUNDSTRAND TURBOMACH, SAN DIEGO, CA.
Cold starting small gas turbines: An overview 23 p3792 N91-31150

SUPERCONDUCTING SUPER COLLIDER LAB., DALLAS, TX.
Investigation of wire motion in superconducting magnets
[DE91-004952] 08 p1213 N91-16674
Studies of cold protection diodes
[DE91-008203] 11 p1797 N91-19863
Prototype document tracking and storage system for the Superconducting Super Collider Laboratory (SSCL)
[DE91-008204] 11 p1814 N91-19963
A controlled master frequency oscillator for the SSC low energy booster
[DE91-011004] 15 p2418 N91-23391
Constant of motion and dynamic equations for one-dimensional autonomous system and radiation damping
[DE91-011002] 15 p2446 N91-23547
Normalization of the parameterized Courant-Snyder matrix
[DE91-012554] 18 p3052 N91-26856
Coherent beam-beam effects
[DE91-012512] 18 p3062 N91-26917
ZLIB: A numerical library for differential algebra (A user's guide for version 1.0)
[DE91-012552] 20 p3391 N91-28794
A system approach to the design of superconducting magnets
[DE91-012707] 20 p3427 N91-29010
Non similarity solution approximation to the thermal hydraulic quenchback in superconductors
[DE91-013964] 20 p3432 N91-29040
Document format considerations for a document tracking and storage system
[DE91-013402] 20 p3438 N91-29079
Sliding mode controller of RF cavity tuning loop
[DE91-015461] 21 p3498 N91-29410
ZLIB: A numerical library for differential algebra and Lie algebraic treatment of beam dynamics
[DE91-014875] 21 p3554 N91-29746
SHOWTIME.C: A C-language program for data acquisition and display user's guide
[DE91-016241] 23 p3908 N91-31817
Hamiltonians and Lagrangians for one-dimensional autonomous systems and dissipative systems
[DE91-017595] 24 p4093 N91-32868

SURFACE COMBUSTION, INC., MAUMEE, OH.
Testing of ceramic radiant tube heating system
[PB91-161323] 19 p3162 N91-27483

SURFACE DYNAMICS, INC., BLOOMFIELD HILLS, MI.
Smoothness criteria for runway rehabilitation and overlays
[DOT/FAA/RD-90/23] 11 p1651 N91-19102

SURREY UNIV., GUILDFORD (ENGLAND).
High-technology carbon-fibre/polyethersulphone composite for space applications 03 p0330 N91-11843
Workshop on MQW Mixing and Its Application to Optoelectronic Devices
[AD-A229205] 09 p1330 N91-17304
Digital signal processing techniques for on-board processing satellites 17 p2766 N91-25309
The fatigue strength of electroplated components 17 p2787 N91-25424
Ion Implantation Technology: Proceedings of the 8th International Conference on Ion Implantation Technology
[AD-A237955] 21 p3597 N91-30013
Solidification of fine dispersions in microgravity (TEXUS 14b) 23 p3845 N91-31441

SUSSEX UNIV., BRIGHTON (ENGLAND).
A relational database for cartographic map displays 03 p0426 N91-12389
Implementation of a matrix theorem prover for propositional modal logic
[INPE-5124-RPE/629] 13 p2133 N91-21743

SUTHERLAND (LOUIS C.), RANCHO PALOS VERDES, CA.
Long-range sound propagation: A review of some experimental data 08 p1214 N91-16683

SVERDRUP TECHNOLOGY, INC., ARNOLD AFS, TN.
Development of a free-jet forebody simulator design optimization method
[AD-A230162] 12 p1829 N91-20050
Evaluation of air injection in a sudden expansion diffuser for real-time afterburning application
[AD-A230850] 13 p2026 N91-21141
Computation of inlet reference plane flow-field for a subscale free-jet forebody/inlet model and comparison to experimental data
[AD-A232101] 15 p2427 N91-23445
CFD calibration and application to the design of flow tailoring devices for simulating forebody influences on fighter aircraft inlet flows 17 p2772 N91-25339
Effect of geometric parameters on the performance of second throat annular steam ejectors
[AD-A238645] 21 p3515 N91-29522
Icing test capabilities for aircraft propulsion systems at the Arnold Engineering Development Center 23 p3795 N91-31170

SVERDRUP TECHNOLOGY, INC., BROOK PARK, OH.
Numerical study of supersonic combustors by multi-block grids with mismatched interfaces
[NASA-CR-185306] 03 p0313 N91-11753
Estimation of the engineering elastic constants of a directionally solidified superalloy for finite element structural analysis
[NASA-CR-187036] 07 p1019 N91-15598
Influence of vane sweep on rotor-stator interaction noise
[NASA-CR-187052] 09 p1394 N91-17671
Ongoing development of a computer jobstream to predict helicopter main rotor performance in icing conditions
[NASA-CR-187076] 11 p1642 N91-19056
Solar rocket plume/mirror interactions
[NASA-CR-185300] 11 p1642 N91-19059
LOX/hydrogen coaxial injector atomization test program
[NASA-CR-187037] 11 p1655 N91-19117
Vibration and thermal vacuum qualification test results for a low-voltage tungsten-halogen light
[NASA-CR-187050] 11 p1693 N91-19325
Cool-down and frozen start-up behavior of a grooved water heat pipe
[NASA-CR-187053] 11 p1702 N91-19376
The apparent strain stability and repeatability of a BCL3 resistance strain gage
[NASA-CR-187056] 11 p1707 N91-19403
The effect of steady aerodynamic loading on the flutter stability of turbomachinery blading
[NASA-CR-187055] 11 p1722 N91-19479
The Solar Array Module Plasma Interactions Experiment (SAMPIE): A shuttle-based plasma interaction experiment 12 p1949 N91-20724
A modal aeroelastic analysis scheme for turbomachinery blading
[NASA-CR-187089] 13 p2025 N91-21138
Flat tensile specimen design for advanced composites
[NASA-CR-185261] 13 p2045 N91-21252
User's manual for the Heat Pipe Space Radiator design and analysis Code (HEPSPARC)
[NASA-CR-187067] 14 p2234 N91-22358
Autonomous power system intelligent diagnosis and control 14 p2314 N91-22781
Space Communications Artificial Intelligence for Link Evaluation Terminal (SCAILET) 14 p2317 N91-22796
The application of neural networks to the SSME startup transient
[NASA-CR-187138] 15 p2386 N91-23205
A charging study of ACTS using NASCAP
[NASA-CR-187088] 16 p2566 N91-24224
TROUBLE 3: A fault diagnostic expert system for Space Station Freedom's power system
[NASA-CR-187113] 16 p2566 N91-24226
Flow visualization of a rocket injector spray using gelled propellant simulants
[NASA-CR-187142] 16 p2581 N91-24306
Time-derivative preconditioning for viscous flows
[NASA-CR-187139] 16 p2624 N91-24528
Chemical compatibility issues related to use of copper as an interfacial layer for SiC fiber reinforced Ti3Al+Nb composite
[NASA-CR-187100] 17 p2746 N91-25194
Technology development of fabrication techniques for advanced solar dynamic concentrators
[NASA-CR-187156] 19 p3115 N91-27211
Applied-field MPD thruster geometry effects
[NASA-CR-187163] 19 p3116 N91-27217
Analog synthesized fast-variable linear load
[NASA-CR-187155] 19 p3156 N91-27446
Design, optimization, and analysis of a self-deploying PV tent array
[NASA-CR-187119] 19 p3185 N91-27613
Numerical simulation of self-field MPD thrusters
[NASA-CR-187168] 21 p3567 N91-29832
Review of nondiffracting Bessel beams
[NASA-CR-187188] 21 p3581 N91-29917
A preliminary characterization of applied-field MPD thruster plumes
[NASA-CR-187165] 22 p3630 N91-30201
ASTROP3 user's guide
[NASA-CR-187180] 22 p3693 N91-30562
Space engine safety system
[NASA-CR-187219] 23 p3803 N91-31209
A comparison of the analytical and experimental performance of the solid version of a cooled radial turbine
[NASA-CR-187195] 24 p3950 N91-32077
The Navy/NASA Engine Program (NNEP89): Interfacing the program for the calculation of complex Chemical Equilibrium Compositions (CEC)
[NASA-CR-187208] 24 p3962 N91-32141
The internal caustic structure of illuminated liquid droplets
[NASA-CR-187194] 24 p4021 N91-32474

SVERDRUP TECHNOLOGY, INC., EGLIN AFB, FL.
Aerodynamic optimization by simultaneously updating flow variables and design parameters 10 p1459 N91-18047

SVERDRUP TECHNOLOGY, INC., CLEVELAND, OH.
Three-dimensional calculation of supersonic reacting flows using an LU scheme 02 p0149 N91-10871
Comparison of NASA Lewis Research Center's performance code's pressure-drop model predictions to Stirling engine working-space flow test data
[NASA-CR-182215] 05 p0684 N91-13804
Recent update of the RPLUS2D/3D codes 13 p2017 N91-21094
Viscous three-dimensional analyses for nozzles for hypersonic propulsion 15 p2380 N91-23175
Probability of failure and risk assessment of propulsion structural components 16 p2586 N91-24333
Space power by laser illumination of PV arrays 22 p3635 N91-30227

SVERDRUP TECHNOLOGY, INC., HUNTSVILLE, AL.
Microbial ecology laboratory procedures manual NASA/MSFC
[NASA-CR-184033] 05 p0693 N91-13856

SWEDISH CIVIL AVIATION ADMINISTRATION, STOCKHOLM.
The certification of the SAAB 340 03 p0310 N91-11736

SWEDISH DEFENCE RESEARCH ESTABLISHMENT, UMEA.
Pressure measurements on the release system and determination of jet momentum in the project BA propane field tests 1989
[FOA-E-40044-4.5] 01 p0044 N91-10263

SWEDISH INST. FOR MATERIALS TESTING, BORAS.
Laboratory testing of heat pumps: Experience 1984 - 1986
[PB91-135194] 14 p2281 N91-22615

SWEDISH INST. OF SPACE PHYSICS, KIRUNA.
Activities report of the Swedish Institute of Space Physics
[ISSN-0284-169X] 03 p0450 N91-12513
Electrodynamics of the auroral E region
[IRF-SR-205] 07 p1029 N91-15648
Kiruna geophysical data: Data summary 90/4-6, April - June 1990
[PB91-135913] 14 p2286 N91-22643
Kiruna geophysical data: Data summary 90/1-3, January - March 1990
[PB91-135921] 14 p2287 N91-22644
The contribution of the boundary layer EMF to magnetospheric substorms
[PB91-192740] 22 p3708 N91-30635

SWEDISH INST. OF SPACE PHYSICS, UMEA.
A combined wave distribution function and stability analysis of Viking particle and low-frequency wave data
[IRF-PREPRINT-115] 02 p0274 N91-11541

SWEDISH STATE POWER BOARD, STOCKHOLM.
Lightning location system supervising Swedish power transmission network 24 p4049 N91-32617

SWISS CENTER FOR ELECTRONICS AND MICROTECHNOLOGY, INC., NEUCHATEL.
Development of semiconductor test structures for reliability evaluation 24 p3990 N91-32292

SYDNEY UNIV. (AUSTRALIA).
Some recent applications of numerical methods to geotechnical analysis
[PB90-201229] 01 p0112 N91-10655
Synthesis and inversion of Stokes spectral profiles
[PB90-214487] 01 p0141 N91-10828
Control of wind-induced tall building vibration by tuned mass dampers
[PB90-259334] 09 p1321 N91-17251

Wind tunnel test of wind loads on various shapes of elevated buildings for Antarctic use
[PB90-259318] 09 p1351 N91-17418
Finite element analysis of geometrically non-linear problems using a corotational large rotation formulation
[SU-ATN-9001] 11 p1720 N91-19470
Out-of-plane strengths of steel beams
[PB91-137471] 16 p2644 N91-24637
T-joints in rectangular hollow sections subject to combined bending and concentrated force
[PB91-137463] 17 p2787 N91-25420
Three hierarchies in skeletal muscle fibre classification allotype, isotype and phenotype
17 p2819 N91-25577

SYMBIOTICS, INC., CAMBRIDGE, MA.
EXODUS: Integrating intelligent systems for launch operations support 12 p1941 N91-20681
A hierarchical distributed control model for coordinating intelligent systems 14 p2314 N91-22783

SYNETICS CORP., WAKEFIELD, MA.
Analysis of GPS timing data in support of Omega system synchronization: A cesium stability study
[AD-A225507] 04 p0475 N91-12652
Coordination and synchronization of loran-C and GPS to universal coordinated time
[AD-A233221] 17 p2734 N91-25141

SYNTHESIS GROUP, ARLINGTON, VA.
America at the threshold 15 p2385 N91-23201

SYPHER-MUELLER INTERNATIONAL, INC., OTTAWA (ONTARIO).
Alternative fuels for heavy duty engines: Status of fleet trials
[DE91-006799] 11 p1691 N91-19315
Exhaust emissions from heavy duty vehicles
[DE91-006798] 11 p1733 N91-19531

SYRACUSE UNIV., NY.
Sidelobe blanking system performance: An extension of the theory leading to a new detection logic
02 p0204 N91-11139
Research program in elementary particle theory
[DE90-017284] 02 p0267 N91-11497
Microfabrication technology for photonics
[AD-A225428] 03 p0419 N91-12343
Resonance region scattering
[AD-A226536] 05 p0647 N91-13589
Magnetic field effect transistors
[AD-A226535] 05 p0651 N91-13614
Mechanisms of gas permeation through polymer membranes
[DE91-004190] 05 p0661 N91-13671
Federal information inventory/locator systems: From burden to benefit 05 p0729 N91-14074
Numeric and symbolic signal processing for very high subclutter visibility
[AD-A228812] 08 p1129 N91-16207
An experimental demonstration of high-resolution Doppler processing
[AD-A228813] 08 p1129 N91-16208
Intra-Pulse Frequency Diversity (IPFD) lab demonstration
[AD-A228814] 08 p1129 N91-16209
Particle deposition in granular media
[DE90-010810] 08 p1138 N91-16261
Alopex optimization algorithm
[AD-A228442] 08 p1203 N91-16615
Error bounds and asymptotic performance under mismatch of multisensor detection systems
[AD-A228646] 09 p1392 N91-17661
Mechanisms controlling the production and transport of methane, carbon dioxide, and dissolved solutes within a large boreal peat basin
[DE91-008115] 11 p1735 N91-19543
A procedure for numerical evaluation of the performance of a TM01 circular to TE10 rectangular waveguide mode converter
[AD-A230445] 12 p1893 N91-20407
Northeast Parallel Architectures Center (NPAC) at Syracuse University
[AD-A230635] 12 p1964 N91-20805
A 1.5 to 4 kelvin detachable cold-sample transfer system: Application to inertially confined fusion with spin-polarized hydrogens fuels
[DE91-007763] 12 p1974 N91-20862
Test generation for digital circuits using parallel processing
[AD-A231006] 13 p2077 N91-21440
Mechanisms of higher brain functions: A study of models of perception
[AD-A232389] 15 p2476 N91-23712
A study of word associations in the natural language expressions of information needs in an information retrieval setting 17 p2885 N91-25948
Uncertainty handling at speech/natural language interface, volume 1
[AD-A234310] 18 p2974 N91-26422
Content addressable memory project
[AD-A234524] 18 p3037 N91-26763
Design and construction of apparatus for optical switch evaluation
[AD-A234765] 18 p3064 N91-26927
Software engineering for fault tolerant systems
[AD-A235459] 19 p3218 N91-27787
Theoretical, experimental, and numerical studies on hybrid acoustooptic bistable devices
[AD-A237885] 21 p3506 N91-29463
Improvement in radar detection under scan-to-scan processing and scan rate reduction
24 p3982 N91-32245
Research program in elementary particle theory (task A)
[DE91-016937] 24 p4098 N91-32895

SYRACUSE UNIV. RESEARCH INST., NY.
Numerical and physical modelling of bubbly flow phenomena
[DE91-007461] 11 p1703 N91-19377

SYSCON CORP., WASHINGTON, DC.
A reusable knowledge acquisition shell: KASH
14 p2315 N91-22789

SYSTEMS CONTROL TECHNOLOGY, INC., ARLINGTON, VA.
Evaluation of rotorwash characteristics for tiltrotor and tiltwing aircraft in hovering flight
[SCT-90RR-18] 08 p1091 N91-15989
Analysis of helicopter mishaps at heliports, airports, and unimproved sites
[SCT-90RR-46] 09 p1275 N91-17010
Air ambulance helicopter operational analysis
[DOT/FAA/RD-91/7] 15 p2373 N91-23134
Decision-height windows for decelerating approaches in helicopters: Pilot/vehicle factors and limitations
[DOT/FAA/CT-90/14] 19 p3103 N91-27145
Rotorcraft use in disaster relief and mass casualty incidents: Case studies
[AD-A229569] 22 p3617 N91-30124
Analysis of rotorwash effects in helicopter mishaps
[DOT/FAA/RD-90/17] 24 p3952 N91-32086

SYSTEMS CONTROL TECHNOLOGY, INC., PALO ALTO, CA.
Application of modern control design methodology to oblique wing research aircraft
[NASA-TM-105058] 22 p3619 N91-30131

SYSTEMS ENGINEERING ASSOCIATES, SAN DIEGO, CA.
The MS-DOS device services interface
[AD-A223902] 02 p0250 N91-11386

SYSTEMS EXPLORATION, INC., DAYTON, OH.
Integrated Maintenance Information System (IMIS) diagnostic module redesign
[AD-A231810] 14 p2341 N91-22942

SYSTEMS RESEARCH LABS., INC., DAYTON, OH.
Combustion diagnostic development and application, volume 2
[AD-A231493] 14 p2243 N91-22405
Combustion diagnostic development and application, volume 1
[AD-A231667] 14 p2243 N91-22406
A Motion Activated Articulating Seat (MAAS): A dynamic concept for cockpit seat design in high performance aircraft
[AD-A231698] 16 p2664 N91-24738
Materials/microstructures characterization
[AD-A233751] 18 p2953 N91-26295
Aircrew Evaluation Sustained Operations Performance (AESOP): A triservice facility for technology transition
[AD-A234626] 18 p3032 N91-26738
Advanced Dynamic Anthropomorphic Manikin (ADAM) design report
[AD-A234761] 18 p3036 N91-26756

SYSTEMS SCIENCE AND SOFTWARE, LA JOLLA, CA.
Physical processes associated with current collection by plasma contactors 09 p1403 N91-17722
NASCAP/LEO calculations of current collection
09 p1405 N91-17733
Polar code validation
[AD-A230138] 12 p1854 N91-20186

SYSTEMS TECHNOLOGY, INC., HAWTHORNE, CA.
Estimation of pilot ratings via pilot modeling
15 p2371 N91-23121

SYSTEMS TECHNOLOGY, INC., MOUNTAIN VIEW, CA.
Fully automatic guidance and control for rotorcraft nap-of-the-Earth flight following planned profiles. Volume 1: Real-time piloted simulation
[NASA-CR-177571-VOL-1] 13 p2027 N91-21149
Fully automatic guidance and control for rotorcraft nap-of-the-Earth flight following planned profiles. Volume 2: Mathematical model
[NASA-CR-177571-VOL-2] 13 p2027 N91-21150

T

TADIRAN ISRAEL ELECTRONICS INDUSTRIES LTD., REHOVOT.
Static capacity model for sealed nickel cadmium cells
[ITN-91-85144] 22 p3667 N91-30420

TAMPERE UNIV. OF TECHNOLOGY (FINLAND).
Methods for combining a theoretical and an empirical approach in modelling pressure and flow control valves for CAE-programs for fluid power circuits
[ACTA-POLYTEC-SCAND-ME-96]
11 p1705 N91-19392

TATA INST. OF FUNDAMENTAL RESEARCH, BOMBAY (INDIA).
Far-infrared observations of Circinus and NGC 4945 galaxies 05 p0740 N91-14131
Radio continuum and far-infrared emission of spiral galaxies: Implications of correlations
05 p0744 N91-14147
Dust in a few southern H II regions
06 p0895 N91-14943
Distribution of dust in W31 complex
06 p0895 N91-14944
Type of silicate feature in oxygen rich stellar envelopes 06 p0910 N91-15024

TECH-U-FIT CORP., ALEXANDRIA, VA.
Design methodology for a community response questionnaire on sonic boom exposure
[NASA-CR-187503] 14 p2323 N91-22830

TECHNICAL RESEARCH ASSOCIATES, SALT LAKE CITY, UT.
Isolation, cloning and expression of the genes for microbial polyurethane degradation
[AD-A232108] 15 p2473 N91-23699

TECHNICAL RESEARCH CENTRE OF FINLAND, ESPOO.
Properties of acoustic energy quantities
[DE90-518714] 01 p0119 N91-10701
Activities report of the Technical Research Centre of Finland
[ISBN-951-38-3647] 02 p0297 N91-11665
Analysis methods for acoustical systems based on the FFT and intensity techniques
[VTT-67] 03 p0415 N91-12323
Creep and creep failure of power plant steels
[VTT-RR-685] 05 p0636 N91-13528
Binders used in metal injection molding
[VTT-RR-691] 05 p0637 N91-13529
Material degradation of steam turbine rotors in long term operations
[VTT-RR-692] 05 p0637 N91-13530
Fabrication and properties of powder metallurgically manufactured aluminum products and composites
[VTT-RR-699] 05 p0637 N91-13531
Testing of engineering ceramics, summary
[VTT-RR-678] 05 p0643 N91-13567
Fatigue Design 1990
[VTT-SYMPOSIUM-113] 07 p1016 N91-15575
Application of local strain approach for steels OS 540 and Polarit 778 07 p1016 N91-15577
Comparison of measuring standards, crack propagation calculations and experimental analysis for welded structures 07 p1016 N91-15580
Fatigue life of spectrum loaded welds
07 p1016 N91-15581
Hydrogen storage in metal hydrides
[DE91-746267] 11 p1691 N91-19316
Use of natural gas and liquefied petroleum gas in heavy-duty engines
[DE91-752990] 13 p2097 N91-21546
Evaluation of catastrophic failure risk in pressure vessels. Results of pressure vessel test with a large vessel (HC2-test)
[VTT-RR-708] 15 p2446 N91-23551
A Model-Based Approach to High-Level Robot Control with Visual Guidance
[VTT-PUBL-71] 15 p2490 N91-23788
Use of pinch-technology in the design and calculation of heat exchanger networks
[DE91-771948] 17 p2805 N91-25506
Constraint reasoning with incomplete knowledge: The tolerance propagation approach
[VTT-72] 17 p2841 N91-25700
Absorption heat pump in heating and cooling systems of buildings
[DE91-752988] 18 p3005 N91-26593
The effects of air temperature and other indoor climate factors on work productivity
[DE91-771954] 19 p3214 N91-27767
Effect of deep sea environment on corrosion of some aluminum alloys
[VTT-RR-724] 22 p3652 N91-30325

TECHNICAL RESEARCH CENTRE OF FINLAND, OULU.
A solution for the man/machine-interface in robotics: A high level control language with enhanced interaction equipment 15 p2490 N91-23789

Monitoring an assembly task by perception requests
15 p2491 N91-23791
Intelligent planning in controlling electronics assembly
15 p2491 N91-23792
Planning of visual feedback with robot-sensor co-operation 15 p2491 N91-23793
Robot-sensor co-operation planning for visual guidance 15 p2491 N91-23794
A line based object localizing method for robot vision
15 p2491 N91-23795
Object pose estimation based on one-degree-of-freedom sensor 15 p2491 N91-23796

TECHNICAL UNIV. OF CRETE, ATHENS (GREECE).
The use of downlinked measurements to track civil aircraft 02 p0177 N91-11004

TECHNICAL UNIV. OF DENMARK, LYNGBY.
Results of the TTF-TCNQ- and the calcium carbonate-crystallization on the Long Duration Exposure Facility 16 p2725 N91-25093

TECHNICAL UNIV. OF NORWAY, TRONDHEIM.
An overview of optical media now and in the future
17 p2875 N91-25903
Broader communication bands
17 p2875 N91-25905

TECHNION - ISRAEL INST. OF ENGINEERING, HAIFA.
Evaluation of alternatives for best-fit paraboloid for deformed antenna surfaces 01 p0053 N91-10313

TECHNION - ISRAEL INST. OF TECH., HAIFA.
Prediction and comparison with measurements of the aerodynamic characteristics of flare-stabilized XM910 prototypes
[AD-A208099] 01 p0001 N91-10005
Repeated buckling of composite shear panels
01 p0051 N91-10303
Novel, post-stall, thrust-vectored F-15 RPVs: Laboratory and flight tests
[AD-A225717] 04 p0478 N91-12667
Cerebral-body perfusion model
[AD-A227851] 07 p1036 N91-15683
Simulation and analysis of high efficiency absorption systems for solar cooling, phase 2
[DE90-010964] 09 p1354 N91-17439
Oxidative procedure for activation of hydroxyl-containing polymeric carriers 14 p2295 N91-22690
First principles calculation of the crystal structures in the 4d transition metals 15 p2498 N91-23835
Theory of the new high-temperature superconductors
15 p2499 N91-23842
Survey: Potential of the Israeli industry for space technology
[CEMA-86-17] 15 p2520 N91-23967
Survey of the possibilities for exploiting space for civil objectives
[ITN-90-85017] 16 p2563 N91-24213

TECHNION RESEARCH AND DEVELOPMENT FOUNDATION LTD., HAIFA (ISRAEL).
Electrophoretic and electrolytic deposition of ceramic particles on porous substrates
[AD-A227371] 06 p0813 N91-14488
Particulate ceramic matrix composites for high strain-rate performance
[AD-A229364] 22 p3642 N91-30269

TECHNISCHE HOCHSCHULE, AACHEN (GERMANY, F.R.).
A contribution to the output analysis and layout of transonic axial turbine stages
[ETN-90-97862] 02 p0181 N91-11017
ution of the equivalent space with Bessel integral equation for the fractured orthotropic disk ution of the 'equivalent space' with Bessel integral equation for the fractured orthotropic disk
[ISSN-0932-8599] 02 p0224 N91-11253
Disturbed compressible plate wakes
[ETN-90-98190] 04 p0472 N91-12644
The calculation of the ultimate capacity of a one runway main system. A new arrangement on the basis of a radar data evaluation
[ETN-90-98189] 04 p0476 N91-12660
The x ray elastic constants of ceramic materials for the determination of the stresses from lattice expansion measurements 05 p0639 N91-13541
Pseudo Reynolds number effects in transonic wind tunnels
[ETN-91-98493] 07 p0937 N91-15135
Unstationary shock and boundary layer phenomena at profiles and in a plane grid by transonic flow
[ETN-91-98557] 08 p1146 N91-16311
Directional solidification of aqueous solutions
14 p2334 N91-22903
Ultrasound absorption in molten salts (TEXUS 14b)
23 p3830 N91-31359
Ultrasound absorption in molten salts (TEXUS 17) ESA 23 p3830 N91-31360
Ventilation and filling of an optical diffusion cell (TEXUS 8)
23 p3832 N91-31371
Boundary layers in transparent melts (TEXUS 10)
23 p3838 N91-31406

TECHNISCHE HOCHSCHULE, DARMSTADT (GERMANY, F.R.).
The effect of the molecular structure of polymer and low molecular liquid crystals on their electro-optical characteristics at the nematic-isotropic phase transition
[ETN-91-98170] 05 p0642 N91-13564
Theory and procedure of the hierarchical design rule checking of integrated circuits
[ETN-91-98173] 05 p0653 N91-13627
The coupling of finite methods for transport-diffusion problems
[ETN-91-98172] 05 p0659 N91-13663
Classes of priors in games and decision models
[ETN-91-98171] 05 p0711 N91-13965
Ionization degree of classical, dense, and highly condensed plasmas
[ETN-91-98174] 05 p0722 N91-14027
Influence of the delocalized excitation process on the determination of foreign atom positions using the channeling effect
[ETN-91-98175] 05 p0728 N91-14065
System integration of a block code
[ETN-91-98169] 06 p0817 N91-14514
Extremal rays of convex cones and complementary inequalities
[ETN-91-98166] 06 p0865 N91-14778
The integral equation method for an elliptic boundary value of the half integer characteristic
[ETN-91-98167] 06 p0865 N91-14779
Boundary value problems of the elasticity theory for polyhedra: Singularities and approximation with boundary element methods
[ETN-91-98168] 06 p0865 N91-14780
The laminar free jet problem, using Newtonian media
[ETN-91-98494] 07 p0937 N91-15136
Measuring device for checking and developing radio clock receivers
[ETN-91-98792] 10 p1515 N91-18342
Parameter evaluation and digital adaptive regulation of an industrial robot
[ETN-91-98793] 10 p1532 N91-18440
Optimal observation directions for estimating a vector
[PREPRINT-1285] 11 p1785 N91-19796

TECHNISCHE HOGESCHOOL, DELFT (NETHERLANDS).
Architecture in space structures
[PB91-114868] 12 p1853 N91-20182
Fatigue, static tensile strength, and stress corrosion of aircraft materials and structures. Part 1: Text
[PB91-114553] 12 p1910 N91-20504
Cryogenic bond stress-slip relationship
[PB91-180943] 19 p3182 N91-27593
Time-domain finite-element method for the computation of three-dimensional acoustic wave fields in inhomogeneous fluids and solids
[PB91-180877] 19 p3240 N91-27915

TECHNISCHE HOGESCHOOL TWENTE, ENSCHEDE (NETHERLANDS).
Negation in knowledge graphs
[PB91-185421] 21 p3558 N91-29776
The CYK-approach to serial and parallel parsing
[PB91-185447] 21 p3561 N91-29792
Data abstraction, concurrency and synchronization in Sina
[PB91-185454] 21 p3604 N91-30053
Quantification in knowledge graphs
[PB91-185819] 22 p3744 N91-30861
A graph-theoretical analysis of the concept of cooperation
[PB91-185413] 22 p3744 N91-30862
Fibonacci-like iterated nonlinear map
[PB91-185439] 22 p3744 N91-30864

TECHNISCHE PHYSISCHE DIENST TNO-TH, DELFT (NETHERLANDS).
Activities report of the Institute of Applied Physics TNO-TU Delft
[ETN-91-98769] 10 p1590 N91-18768

TECHNISCHE UNIV., BERLIN (GERMANY, F.R.).
Methods for the construction of constant curve free form surfaces
[ETN-90-97861] 02 p0262 N91-11463
A modulus for flight simulation in a computer aided project of commercial airplanes
[ILR-MITT-235(1990)] 03 p0312 N91-11747
Motion equations and stability analysis or shaft of single-bladed and two-bladed wind turbines with FE-modeled tower
[ILR-MITT-236(1990)] 03 p0374 N91-12093
Comparison of analytical and numerical calculations of linear and geometric nonlinear rectangular plates
[ILR-MITT-239(1990)] 03 p0382 N91-12131
High resolution reflection spectroscopy at the three dimensional states of the Zn ions in Zn(1-x)Mn(x)S and Zn(1-x)Mn(x)Te
[ETN-90-98180] 04 p0503 N91-12794
Examination of prediction coding of speech signals with multipulse excitation functions
[ETN-90-98186] 04 p0516 N91-12872
Experimental and theoretical examination of Filed Controlled Thyristors (FCTS)
[ETN-90-98178] 04 p0520 N91-12897
Semiconductor laser: Relation between the line width and the mode distribution
[ETN-90-98181] 04 p0530 N91-12944
Constructing of fast visualization methods for graphically design processes
[ETN-90-98179] 04 p0566 N91-13143
Iteration processes for the resolution of linear symmetric complementary problems and their utilization for quadratic programs
[ETN-90-98183] 04 p0566 N91-13144
Modularization and interpretability of neural nets
[ETN-90-98187] 04 p0571 N91-13168
Quasi concurring reflections and simplicity criterium
[ETN-90-98184] 04 p0575 N91-13200
The semiclassical limit of the Berry phase
[ETN-90-98185] 04 p0578 N91-13218
For the hierarchy of the extended thermodynamics
[ETN-90-98182] 04 p0592 N91-13308
Motion equations for wind turbines with elastic wings
[ILR-MITT-237(1990)] 07 p0937 N91-15137
Transient radiation fields of wire antennas with buckle and discrete nonlinearities
[ETN-91-98496] 07 p0995 N91-15465
Dielectric wave guide and structural elements: Examination with millimeter waves
[ETN-91-98498] 07 p0996 N91-15466
Examinations of erosions in thyristors for surge current loads with the single pulse detector for infrared observation 'EMIR'
[ETN-91-98499] 07 p0999 N91-15485
Frequency dependent slip coefficients for rolling contact of viscoelastic rollers
[ILR-MITT-241(1990)] 07 p1010 N91-15549
A chain process for integrated software development: From problem stating to systems program with Petri nets
[ETN-91-98497] 07 p1051 N91-15789
Examination of the zinc diffusion in InP and InGaAs(P), as well as across InGaAs(P)-InP heterostructures
[ETN-91-98500] 07 p1074 N91-15912
Fuel management system for future commercial airplanes
[ETN-91-98796] 10 p1470 N91-18108
Error ellipsoids with particular reference to position errors of interplanetary trajectories
[ETN-91-98791] 10 p1484 N91-18179
Voltage intermediate circuit inverter for network supply of regenerative energy
[ETN-91-98779] 10 p1520 N91-18371
A process for power measurement of inverters with oscillating components of high frequency in current and voltage
[ETN-91-98781] 10 p1520 N91-18373
Development and examination of micro GTOs
[ETN-91-98782] 10 p1521 N91-18374
Examination of power transistors in high working frequency oscillator converters
[ETN-91-98785] 10 p1521 N91-18375
Information acquisition for knowledge based fault diagnosis of electronic circuits
[ETN-91-98786] 10 p1521 N91-18376
Influence of radiation induced electrons on the structural transmission for the fabrication of integrated circuits by means of x ray lithography
[ETN-91-98794] 10 p1521 N91-18377
Consequences of friction in length compensation for propeller shafts with bending vibrations and bearing forces
[ETN-91-98783] 10 p1536 N91-18457
Theoretical distribution of the electronic structure of defects on metal surfaces
[ETN-91-98778] 10 p1585 N91-18739
Scattering of evanescent waves. Examination by use of lateral waves in the microscope
[ETN-91-98787] 10 p1596 N91-18808
Spectroscopy of excitational polaritons in CdS. Relaxation processes in spatial dispersive media
[ETN-91-98780] 10 p1609 N91-18881
Causal vector spaces: A generalization of the Minkowski models for the special theory of relativity
[ETN-91-98784] 10 p1612 N91-18892
Causality violation and singularities
[ETN-91-98795] 10 p1612 N91-18893
Structuring processes in preplanetary disks
10 p1619 N91-18931
Project of a cost analysis model for the acquisition of a permanent lunar base
[ILR-MITT-245(1990)] 11 p1653 N91-19114
A multi-vehicle space carrier fleet cost model for a multi-mission scenario
[ILR-MITT-240(1990)] 11 p1655 N91-19120

Cycling space ship transportation device for continuous link between Earth and Mars
[ILR-MITT-247(1990)] 11 p1656 N91-19121
Alternative strategies for the maintenance of geostationary space power plants
[ILR-MITT-249(1990)] 11 p1664 N91-19170
Examinations of inverse scattering problem for the scalar Helmholtz equation in the field of first order approximations for potentials with compact supports and safe real wave numbers
[ETN-91-98949] 11 p1696 N91-19339
Contributions to the Non Equilibrium Molecular Dynamics (NEMD) computer simulation for transport processes in simple fluids
[ETN-91-98921] 11 p1705 N91-19393
Approximation properties of wavelet transforms
[ETN-91-98922] 11 p1786 N91-19799
Semiconductor photodiodes as radiometric receivers in the field of soft radiation
[ETN-91-98925] 11 p1796 N91-19856
Nonlinear optic effects in liquid crystals
[ETN-91-98923] 11 p1799 N91-19878
Mutual influence of doping and oxidation in highly doped silicon
[ETN-91-98924] 11 p1811 N91-19948
Comparison of super-high-energy-propulsion-systems based on metallic hydrogen propellant for ES to LEO space transportation 14 p2201 N91-22154
Large-grain dataflow computation and its architectural support
[ETN-91-99256] 14 p2311 N91-22767
The Hybrid Construction Systems: A contribution to the possibilities of weight reducing for metal disk frameworks by unidirectional fiber reinforcement
[ILR-MITT-254(1991)] 22 p3645 N91-30289
Electron spectroscopic examination of Si(113) surface
[ETN-91-99441] 22 p3649 N91-30307
Microthermal conductivity sensor in silicon technology for the analysis of binary and ternary gas mixtures
[ETN-91-99443] 22 p3649 N91-30308
A finite element process for the examination of wave dispersion in infinitely long beams
[ILR-MITT-255(1991)] 22 p3695 N91-30570
Technology of solar power stations: Concept definition and simulation
[ILR-MITT-253(1991)] 22 p3700 N91-30600
Development of a method for quantitative determination of photon emissions of x ray sources and their utilization in laser produced carbon and iron plasmas
[ETN-91-99444] 22 p3756 N91-30939
Parallel measurement of energy filtered contrasts in convergent electron diffraction images
[ETN-91-99442] 22 p3760 N91-30963
Cost effectiveness analysis of alternative programs for European participation in lunar development
[ILR-MITT-251(1990)] 22 p3770 N91-31021
Lunar spaceport: Space airport on the world
[ILR-MITT-250(1990)] 22 p3775 N91-31058
The question of an efficient space transportation system for extraterrestrial materials
[ILR-MITT-252(1990)] 23 p3800 N91-31197
Interfacial convection (TEXUS 1)
23 p3823 N91-31327
Interfacial convection (TEXUS 2)
23 p3823 N91-31328
Diffusion-induced interfacial convection (TEXUS 3)
23 p3824 N91-31329
Thermally induced interfacial convection (TEXUS 4)
23 p3824 N91-31330
Diffusion-induced interfacial convection (TEXUS 8)
23 p3824 N91-31331
Diffusion-induced interfacial convection (TEXUS 11)
23 p3824 N91-31332

TECHNISCHE UNIV., BRUNSWICK (GERMANY, F.R.).
Comparison of a mathematical one-point model and a multi-point model of aircraft motion in moving air
02 p0167 N91-10969
Effect of wind and wind variation on aircraft flight-paths 02 p0168 N91-10972
Wind models for flight simulation
02 p0168 N91-10975
Simulation of automated approach procedures considering dynamic flight operations
02 p0178 N91-11008
Utilization of a testing unit for the examination of SSR mode S, following a TCAS presentation
[ETN-90-97891] 03 p0310 N91-11740
Report on the state of standardization of mode S, and mode S applications
[ETN-90-97892] 03 p0310 N91-11741
Oscillations and stability of a centrifuge with bearing clearance
[ETN-90-98194] 04 p0533 N91-12955
Real time classification of ions in space
[ETN-90-98195] 04 p0586 N91-13273
Attitude estimation of high altitude research rockets, using star sensor and magnetometer data
[GAMMA-51] 07 p0949 N91-15210
Gas kinetic simulation of hypersonic flows past three-dimensional blunt bodies under reentry conditions
[ZLR-FB-89-02] 09 p1274 N91-17003
Examinations of thinning out a direction finder antenna for the DAS airplane navigation system
[ETN-91-98789] 10 p1469 N91-18104
Shear fracture of aluminum magnesium alloys following local plastic instability
[ETN-91-98788] 10 p1536 N91-18458
Identification of the aerodynamic model of the DLR research aircraft ATTAS from flight test data
[DLR-FB-90-40] 13 p2023 N91-21130
Airborne Collision Avoidance System (ACAS) in controlled air traffic. Aspects of reciprocal influence in Secondary Surveillance Radar (SSR) radio loads
[ETN-91-99253] 15 p2368 N91-23105
Gas contents and weldability of aluminum die castings
[ETN-91-99188] 15 p2402 N91-23302
Alloy formation (TEXUS 5) 23 p3837 N91-31398

TECHNISCHE UNIV., CLAUSTHAL-ZELLERFELD (GERMANY, F.R.).
The influence of the texture of Al2O3 substrates on the fracture behavior under thermal loading
05 p0639 N91-13543
Reaction kinetics in glass melts (TEXUS 1)
23 p3830 N91-31363
Reaction kinetics in glass melts: Corrosion of SiO2 (TEXUS 4) 23 p3831 N91-31364
Reaction kinetics in glass melts: Sodium self-diffusion in alkali-silicate melts (TEXUS 6)
23 p3831 N91-31365
Self- and interdiffusion in alkali-silicate melts (TEXUS 11 and 12) 23 p3831 N91-31366
Self- and interdiffusion in alkali-silicate melts (TEXUS 13) 23 p3831 N91-31367
Reaction kinetics in molten glasses: Self-diffusion in alkali-silicate melts (TEXUS 20)
23 p3831 N91-31368
Special refractive index profiles in glasses obtained by ion exchange (TEXUS 19) ESA
23 p3831 N91-31369

TECHNISCHE UNIV., DARMSTADT (GERMANY, F.R.).
Project and calculation of a high resolution low voltage raster electron microscope
[ETN-90-98163] 04 p0520 N91-12896
The integrated display controller, a new architecture
[ETN-90-98164] 04 p0556 N91-13079
Contributions to the theory of elliptic pseudodifferential operators on manifolds with nonsmooth boundaries
[ETN-90-98165] 04 p0578 N91-13217
Band structure calculation for heavy fermion systems
[ETN-90-98176] 04 p0582 N91-13245
Model examination of the single particle properties of high correlated electron systems
[ETN-90-98177] 04 p0582 N91-13246

TECHNISCHE UNIV., DELFT (NETHERLANDS).
An avalanche electron emitting diode in gallium arsenide
[ETN-90-97746] 01 p0038 N91-10225
First order oscillators
[ETN-90-97758] 01 p0038 N91-10226
Directional response of wind waves to turning winds
[REPT-90-2] 01 p0095 N91-10549
Wind wave propagation in tidal seas
[REPT-90-1] 01 p0095 N91-10550
Technique for human-error sequence identification and signification
[ISBN-90-353-10144] 01 p0103 N91-10596
A potential reduction method for a class of smooth convex programming problems
[REPT-90-01] 01 p0109 N91-10636
On the rotation interpolation and animation problems in computer graphics
[REPT-90-08] 01 p0109 N91-10637
Automated support of the modelling process: A view based on experiments with expert information engineers
[REPT-90-09] 01 p0110 N91-10638
Labeling problems in truth maintenance systems
[REPT-89-90] 01 p0112 N91-10651
On q-analogues of the Fourier and Hankel transforms
[REPT-89-89] 01 p0114 N91-10666
Existence of at most two limit cycles for the system of differential equations: dx/dt = a + summation for i+j = 2 of (a sub ij) (x sup i) (y sup j) and dy/dt =b + summation for i+j = 2 of (b sub ij) (x sup i) (y sup j)
[REPT-90-03] 01 p0114 N91-10667
The digital regulator and tracker for deterministic continuous-time linear time-varying systems
[REPT-90-05] 01 p0114 N91-10668
Relative position of the critical points of a certain cubic system and a generalization of the Bendixson index formula
[REPT-90-23] 01 p0114 N91-10669
Invariant measures exist under a summability condition for unimodal maps
[REPT-90-36] 01 p0114 N91-10670
Strong maximum principles for systems
[REPT-90-37] 01 p0114 N91-10671
The generalized modus ponens considered as a fuzzy relation
[REPT-90-02] 01 p0116 N91-10687
Multivariate tau-estimators for location and scatter
[REPT-90-04] 01 p0116 N91-10688
The digital regulator and tracker for stochastic continuous-time linear time-varying systems
[REPT-90-06] 01 p0117 N91-10689
DUWECS reference guide V1.0: Delft University wind energy converter simulation program
[MEMT-5] 02 p0232 N91-11294
What is a default
[REPT-90-12] 02 p0252 N91-11400
A logical background of a method for the handling of incompatible pieces of knowledge
[REPT-90-13] 02 p0252 N91-11401
A potential reduction variant of Renegar's short-step path-following method for linear programming
[REPT-90-14] 02 p0253 N91-11402
A formal semantics for the preferred subtheories
[REPT-90-20] 02 p0253 N91-11403
A fast parallel recognizer
[REPT-90-16] 02 p0257 N91-11429
Connected components in supercritical Mandelbrot percolation
[REPT-90-15] 02 p0260 N91-11452
A polynomial method of weighted centers for convex quadratic programming
[REPT-90-17] 02 p0261 N91-11453
A comparison of some GMRES-like methods
[REPT-90-22] 02 p0261 N91-11454
Quadratic systems equivalent to class 3 sub A not equal to 0
[REPT-90-38] 02 p0261 N91-11455
Convergence of solutions of one-dimensional stochastic heat equations
[REPT-90-40] 02 p0264 N91-11478
Compensability of uncertain systems
[REPT-90-10] 02 p0272 N91-11527
The French and the American school in multi-criteria decision analysis
[REPT-90-21] 02 p0283 N91-11592
Essays on stability and control
[LR-600] 03 p0315 N91-11759
Developments in mathematical models of human pilot behavior 03 p0315 N91-11760
Instrumentation requirements and presample filter design for measurements during non steady maneuvers with the Hawker Hunter MK 7, PH-NLH
03 p0315 N91-11761
Semi passive attitude stabilization for a geodetic satellite 03 p0316 N91-11765
Visual-vestibular interaction in pilot's perception of aircraft or simulator motion 03 p0316 N91-11766
Optimal inputs for aircraft parameter estimation
03 p0316 N91-11768
Mathematical modelling of flight in turbulence and windshear 03 p0316 N91-11769
New developments in fibre metal laminates (ARALL)
03 p0332 N91-11860
Fundamental aspects and design of FM upconversion receiver front-end with on-chip SAW filters
[ETN-90-98136] 03 p0361 N91-12024
An integrated dynamic model of a flexible wind turbine
[MEMT-6] 03 p0386 N91-12152
Gravity recovery from satellite gradiometry
[ETN-90-98140] 03 p0391 N91-12176
Gravity measurement, processing and evaluation: Test cases de Peel and South Limburg
[ETN-90-98142] 03 p0391 N91-12177
Time-varying sea surface topography from altimetry: A stochastic approach with regard to gravity computations
[ETN-90-98145] 03 p0393 N91-12187
Execution and evaluation of computer assisted education in the field of goniometry
[REPT-89-79] 03 p0407 N91-12270
Iterative methods in image reconstruction: The relation between ART, block-ART and SIRT
[REPT-89-82] 03 p0407 N91-12271
Bounds and constructions for binary block codes correcting asymmetric or unidirectional errors
[ETN-90-98139] 03 p0408 N91-12278
Exchange currents in the radiative capture of thermal neutrons by protons and deuterons
[ETN-90-98138] 03 p0417 N91-12333
Study of strategies for the determination of deformations from Global Positioning System (GPS) measurements
[ETN-91-98141] 05 p0681 N91-13786

Report by the Subcommitee on Intercomparison and Merging of Geodetic Data of the Topex/Poseidon science working team
[LR-638] 05 p0682 N91-13791
Fitting of photogrammetry and field completion
[ETN-91-98144] 06 p0840 N91-14640
Reconstruction of vectorized raster data
[ETN-91-98143] 06 p0858 N91-14738
Some numerical methods for the computation of capillary free boundaries governed by the Navier-Stokes equations
[REPT-90-11] 07 p1003 N91-15507
Interactions of an elastic solid with a viscous fluid: Eigenmode analysis
[REPT-90-46] 07 p1003 N91-15508
A creep rupture model accounting for cavitation at sliding grain boundaries
[MEMT-2] 07 p1020 N91-15600
State space realizations representing vector second order dynamics
[MEMT-3] 07 p1058 N91-15816
On the classical logarithmic barrier function method for a class of smooth convex programming problems
[REPT-90-28] 07 p1058 N91-15817
Strong law and central limit theorem for a process between maxima and sums
[REPT-90-35] 07 p1058 N91-15818
Implementation of a solid modelling system with quadratic surfaces
[REPT-90-41] 07 p1059 N91-15819
Disjointness preserving and diffuse operators
[REPT-90-42] 07 p1059 N91-15820
Step length in forward differencing for curved surface display
[REPT-90-43] 07 p1059 N91-15821
Asymptotics for a class of a semi-linear hyperbolic equations with an application to a problem with quadratic nonlinearity
[REPT-90-44] 07 p1059 N91-15822
The linear complementarity problem, sufficient matrices, and the criss-cross method
[REPT-90-49] 07 p1059 N91-15823
Iterative methods for sparse, linear systems arising from tomographic image reconstruction: The relations between ART, SIRT, and CG
[REPT-90-51] 07 p1059 N91-15824
Existence and uniqueness of limit cycles in quadratic systems of class (III) sub l=m=0
[REPT-90-56] 07 p1059 N91-15825
On the performance analysis of wavefront array processors
[REPT-90-26] 07 p1061 N91-15835
From visco-elasticity towards thermal relaxation: A neutron scattering study of density fluctuations in fluid helium
[ETN-91-98486] 08 p1112 N91-16111
Electrical properties of gas sensor materials
[ETN-91-98572] 08 p1113 N91-16114
The use of impedance measurements in corrosion research: The corrosion behaviour of chromium and iron-chromium alloys
[ISBN-90-9003693-8] 08 p1117 N91-16135
Grain-boundary structure in ordered alloys
[ETN-91-98571] 08 p1117 N91-16136
Fatigue of amorphous polymers
[ISBN-90-9003520-6] 08 p1120 N91-16157
Control of industrial crystallizers: The physical aspects
[ETN-91-98488] 08 p1124 N91-16179
Systematic design of regular VLSI processor arrays
[ETN-91-98482] 08 p1136 N91-16250
Natural-convection boundary layers
[ISBN-90-9003467-6] 08 p1147 N91-16313
High-purity silicon soft x ray sensor arrays
[ETN-91-98484] 08 p1151 N91-16338
Some generalizations of the criss-cross method for quadratic programming
[REPT-90-52] 08 p1200 N91-16599
A long step barrier method for convex quadratic programming
[REPT-90-53] 08 p1200 N91-16600
Low-level image processing architectures compared for some non-linear recursive neighborhood operations
[ISBN-90-9003713-6] 08 p1206 N91-16631
Relative extrema, zeros, and inequalities for Gegenbauer functions of the first and second kind
[REPT-90-54] 08 p1209 N91-16653
Relative extrema, zeros, and inequalities for Jacobi functions of the first and second kind
[REPT-90-55] 08 p1209 N91-16654
A sign-changing global minimizer on a convex domain
[REPT-90-57] 08 p1209 N91-16655
Stability properties of a flow process in graphs
[REPT-90-58] 08 p1210 N91-16656
An elementary proof of the Ambartzumian-Pleijel identity
[REPT-90-59] 08 p1210 N91-16657
A time-domain finite-element method for the computation of three-dimensional acoustic wave fields in inhomogeneous fluids and solids
[ETN-91-98485] 08 p1219 N91-16710
Programmable surface acoustic wave detection in silicon: Design of programmable filters
[ETN-91-98568] 08 p1224 N91-16746
Image interpretation for transmission electron microscopy of thin semiconductor layers and interfaces
[ETN-91-98487] 08 p1238 N91-16826
Modules in LORE: Notes on the implementation
[REPT-90-64] 10 p1574 N91-18657
Language recognition by nonpropagating cellular automata
[REPT-90-73] 10 p1574 N91-18658
Krames rotations: Characterization of the rotations represented by straight lines in stereographic space
[REPT-90-76] 10 p1574 N91-18659
The power algorithm in max algebra
[REPT-90-78] 10 p1574 N91-18660
Reduced-order control of diffusion/LPCVD reactors using optimal projections
[REPT-90-66] 10 p1579 N91-18690
Some properties of cubic systems
[REPT-90-62] 10 p1584 N91-18727
Almost noninteracting control for linear systems with exogeneous inputs and outputs
[REPT-90-63] 10 p1584 N91-18728
Weakly compact subsets of symmetric operator spaces
[REPT-90-68] 10 p1584 N91-18729
On asymptotics for a class of semi-linear hyperbolic equations with small forcing terms
[REPT-90-69] 10 p1584 N91-18730
Laguerre polynomials generalized to a certain discrete Sobolev inner product space
[REPT-90-71] 10 p1585 N91-18731
Strong positivity in C(omega) for cooperative elliptic systems
[REPT-90-72] 10 p1585 N91-18732
On composants of the bucket handle
[REPT-90-74] 10 p1585 N91-18733
The rate of convergence of the GMRES method
[REPT-90-77] 10 p1585 N91-18734
On the singular cycles of a class of quadratic systems with a third order fine focus
[REPT-90-79] 10 p1585 N91-18735
A variational formula for branching random walk in random environment
[REPT-90-60] 10 p1587 N91-18749
Theoretical considerations on error management
[REPT-90-75] 10 p1587 N91-18750
Max-algebra modelling and analysis of time-table dependent transportation networks
[REPT-90-65] 10 p1589 N91-18760
How to reason with uncertain knowledge, part 2
[REPT-90-70-PT-2] 10 p1589 N91-18761
Non-commutative Koethe duality
[REPT-90-67] 10 p1589 N91-18762
Activities report of the Interfacultair Reactor Institute
[ISSN-0924-2910] 10 p1595 N91-18804
The behaviour of flux-difference and flux-vector splitting methods in explicit schemes for hypersonic blunt body flow
[LR-643] 11 p1644 N91-19069
Bulging of fatigue cracks in a pressurized aircraft fuselage
[LR-647] 11 p1649 N91-19094
Project Hitch Hiker: A feasibility study for a small telecommunication satellite
[LR-644] 11 p1664 N91-19169
Solid fuel combustion chamber
[LR-648] 11 p1673 N91-19222
Gas entrapment and evolution in aluminium alloys produced by powder metallurgy
[ETN-91-98918] 11 p1685 N91-19285
A numerical method for solving steady 2D and axisymmetrical viscoelastic flow problems with an application to inertia effects in contraction flows
[MEMT-11] 11 p1705 N91-19394
Notes on the unsteady rectilinear motion of a perfect gas. 10: On the influence of gravity upon the expansion of an ideal gas with gamma = 3
[LR-640] 11 p1706 N91-19395
Heat transport during gas tungsten arc welding
[ETN-91-98919] 11 p1717 N91-19455
Elementary considerations on the gas dynamic design parameters of a MHD Faraday generator in relation to a gas turbine cycle
[LR-564] 11 p1717 N91-19456
On the vectorization and parallelization of the shooting method using the convex C-240
[LR-639] 11 p1723 N91-19491
Crack opening stress measurements of surface cracks in 7075-T6 Al alloy plate specimens through electron fractography
[LR-641] 11 p1724 N91-19492
Finite strip elements in thin plate buckling analysis
[LR-642] 11 p1724 N91-19493
Design and testing of a circumferential and longitudinal joint of the A320 fuselage section 13/14 in GLARE
[LR-645] 11 p1724 N91-19494
Design and implementation of an image understanding system: DADS
[ETN-91-98926] 11 p1781 N91-19773
Elementary pulse diffraction problems and the generation of sound by a dipole moving across the edge of a half-plane
[LR-565] 11 p1792 N91-19831
Exchange currents in low-energy nucleon capture by He3
[ETN-91-98917] 11 p1796 N91-19855
Classical and quantum charge dynamics in small tunnel junctions
[ETN-91-98916] 11 p1811 N91-19947
Satellite altimeter data processing: From theory to practice
[ISBN-90-6275-653-0] 14 p2234 N91-22360
Extraction of mesoscale ocean currents information from Geosat altimeter data 15 p2453 N91-23594
Rank defects of GPS orbital improvement models
[ETN-91-99420] 17 p2735 N91-25143
Fuel pyrolysis effects on hybrid rocket and solid fuel ramjet combustor performance
[ISBN-90-6275-666-2] 17 p2743 N91-25181
Regenerative sulfur capture in fluidized bed combustion of coal: A fixed bed sorption study
[ISBN-90-6275-664-6] 17 p2756 N91-25255
Mathematical modelling of swirling pulverized coal flames
[ETN-91-99435] 17 p2756 N91-25256
A survey on the mechanisms and mechanics of toughning in structural ceramics
[MEMT-15] 17 p2762 N91-25288
Design and implementation of highly parallel pipelined VLSI systems
[ETN-91-99432] 17 p2770 N91-25326
Frequency analysis of fluids and fluid-structure systems
[ETN-91-99428] 17 p2777 N91-25368
Digital optimal control of rigid manipulators
[ISBN-90-6275-661-1] 17 p2783 N91-25402
Phase shifting speckle interferometry
[ETN-91-99425] 17 p2790 N91-25439
Control of crack width in deep reinforced concrete beams
[ISBN-90-9003853-1] 17 p2791 N91-25440
Automatic extraction of roads from SPOT images
[ETN-91-99417] 17 p2801 N91-25496
On the computation of the geoid and its errors with special attention to the inner zone
[ETN-91-99421] 17 p2801 N91-25497
Fourier techniques in physical geodesy: A fundamental approach
[ETN-91-99422] 17 p2801 N91-25498
Strict least squares adjustment of the geometric conditions in a digital coordinate set
[ETN-91-99423] 17 p2801 N91-25499
Representations of rotations and tectonic plate motions
[ETN-91-99419] 17 p2811 N91-25538
On approximate system identification with system based orthonormal functions
[ISBN-90-370-0045-2] 17 p2846 N91-25732
Estimation of macro velocity models by wave field extrapolation
[ISBN-90-9003926-0] 17 p2859 N91-25812
Modelling, system identification, and control of an evaporative continuous crystallizer
[ISBN-90-370-0043-6] 17 p2870 N91-25877
Profiles in management: Relations in the market and business place
[ETN-91-99436] 17 p2874 N91-25900
Common reflection point stacking: A macro model driven approach to dip moveout
[ISBN-90-9003020-4] 20 p3371 N91-28676
High-speed and high-resolution analog-to-digital and digital-to-analog converters
[ETN-90-97265] 20 p3382 N91-28735
Measuring and modelling disk I/O subsystems
[ISBN-90-6275-567-4] 20 p3382 N91-28736
Forces on ships in a navigation lock induced by stratified flows
[PUBL-448] 22 p3679 N91-30483
Large scale CAESAR images using inertial navigation and pressure altitude measurement. Accuracy deformations and possibilities for a Global Positioning System (GPS)
[ETN-91-99418] 23 p3787 N91-31117

Investigations on the use of GPS for geodetic and orbit determination applications
[LR-649] 23 p3787 N91-31118
Sulphur diffusion in liquid cast iron (TEXUS 6) ESA
23 p3832 N91-31370
The implementation of a quality system in an aerial mapping company
[ETN-91-99424] 23 p3887 N91-31695

TECHNISCHE UNIV., EINDHOVEN (NETHERLANDS).

On the calculation of leakage and friction of reciprocating elastomeric seals
[ETN-90-97751] 02 p0220 N91-11228
The influence of ionized impurities on the transport properties of a two-dimensional electron gas
[ETN-90-97752] 02 p0282 N91-11586
Classification of acceptance criteria for the simulated annealing algorithm
[MEMO-COSOR-89-29] 07 p1051 N91-15768
A note on the convergence of a synchronously parallel Boltzmann machine for the knapsack problem
[MEMO-COSOR-89-28] 07 p1054 N91-15787
Local area networks
[MEMO-COSOR-90-11] 07 p1054 N91-15788
On the optimality of a new class of adjusted orthogonal designs
[MEMO-COSOR-89-34] 07 p1057 N91-15809
Analysis of the asymmetric shortest queue problem. Part 1: Theoretical analysis
[MEMO-COSOR-90-01-PT-1] 07 p1057 N91-15810
Analysis of the asymmetric shortest queue problem. Part 2: Numerical analysis
[MEMO-COSOR-90-03-PT-2] 07 p1058 N91-15811
Simulated annealing as a tool to obtain new results in plane geometry
[MEMO-COSOR-90-17] 07 p1058 N91-15812
Analysis of the symmetric shortest queue problem
[MEMO-COSOR-90-19] 07 p1058 N91-15813
Analysis of the asymmetric shortest queue problem with threshold jockeying
[MEMO-COSOR-90-20] 07 p1058 N91-15814
Skew-symmetric matrices and the Euler equations of rotational motion for rigid systems
[MEMO-COSOR-90-27] 07 p1058 N91-15815
Applications of probability in analysis
[MEMO-COSOR-90-18] 07 p1061 N91-15834
High speed narrow bore capillary gas chromatography
[ETN-91-98461] 08 p1113 N91-16113
Surface analysis by low-energy ion scattering: Two-dimensional detection and quantification
[ETN-91-98474] 08 p1116 N91-16133
Geometrical aspects of the production of toothed disks
[MEMO-COSOR-90-02] 08 p1124 N91-16178
Internal solitary waves in compressible fluids
[ETN-91-98475] 08 p1146 N91-16307
Shear thickening of concentrated dispersions
[ETN-91-98477] 08 p1146 N91-16308
Fine particle flotation in a centrifugal force field
[ETN-91-98480] 08 p1146 N91-16309
Column reduction of polynomial matrices: An iterative algorithm
[MEMO-COSOR-89-30] 08 p1200 N91-16598
Identification of non-linear mechanical systems for control application
[ISBN-90-9003596-6] 08 p1208 N91-16644
The discrete time H infinity control problem with measurement feedback
[MEMO-COSOR-89-31] 08 p1209 N91-16651
The finite horizon singular time-varying H infinity control problem with dynamic measurement feedback
[MEMO-COSOR-89-33] 08 p1209 N91-16652
Microwave interferometer and reflectometer techniques for thermonuclear plasmas
[ETN-91-98478] 08 p1230 N91-16780
Physico-chemical investigations on Co-Mn-oxide spinels
[ETN-91-98476] 08 p1238 N91-16825
Measuring and simulating an 802.3 CSMA/CD LAN
[MEMO-COSOR-90-26] 09 p1387 N91-17628
Activities report on the scientific research at the Faculty of Management Science
[ETN-91-98770] 10 p1612 N91-18896
Constitutive models for composites based on numerical micromechanics
[ISBN-90-9003733-0] 11 p1678 N91-19248
Alkali metal corrosion of alumina: Thermodynamics, phase diagrams and testing
[ETN-91-98933] 11 p1685 N91-19286
Electromagnetic compatibility in high-voltage engineering
[ISBN-90-9002929-X] 11 p1695 N91-19337
A variational approach to magneto-elastic buckling problems
[ETN-91-98929] 11 p1695 N91-19338
Continuum damage mechanisms with an application to fatigue
[ISBN-90-9003688-1] 11 p1723 N91-19490
Subcycling in transient finite element analysis
[ISBN-90-9003684-9] 11 p1784 N91-19790
Noble gas disk MHD generator performance with unstable nonequilibrium plasma
[ISBN-90-9003671-7] 11 p1806 N91-19916
Indium tin oxide for solid-state image sensors
[ETN-91-98932] 11 p1811 N91-19949
A spectroscopic study of silica gel formation from aqueous silicate solutions
[ETN-91-99164] 14 p2244 N91-22412
Oxidative coupling of methane over lithium promoted magnesia
[ETN-91-99216] 14 p2244 N91-22413
Uniaxial and biaxial drawing of UHMW-polyethylene
[ETN-91-99170] 14 p2250 N91-22449
Model prediction, experimental determination, and control of emulsion copolymer microstructure
[ISBN-90-9003718-7] 14 p2250 N91-22450
Deformation behaviour of oriented polyethylene fibres
[ETN-91-99179] 14 p2250 N91-22451
Sintering behaviour and properties of beta'-Si3Al3O3N5 ceramics
[ETN-91-99181] 14 p2250 N91-22452
The treatises of Jean Nicolas Louis Durand
[ISBN-90-6814-517-7] 14 p2255 N91-22470
On the modelling of downscaled bipolar transistors
[ETN-91-99172] 14 p2260 N91-22503
Cathode surface effects and H.F.-behaviour of vacuum arcs
[ISBN-90-9003766-7] 14 p2260 N91-22504
Flow of dilute emulsions through porous media
[ETN-91-99167] 14 p2264 N91-22525
The analysis of fault diagnosis tasks: Do verbal reports speak for themselves
[ETN-91-99180] 14 p2273 N91-22575
Medium scale irregularities in the ionospheric electron content
[ETN-91-99183] 14 p2286 N91-22642
NAD(+)-NADH modelling studies: An enzymatic and chemical approach
[ETN-91-99175] 14 p2297 N91-22699
An algebra and a message oriented language for a data model based on complex objects
[ETN-91-99163] 14 p2309 N91-22760
A generalised approach to gate array layout design automation
[ISBN-90-9003442-0] 14 p2309 N91-22761
Modeling and control algorithms for industrial robots
[ISBN-90-9003753-5] 14 p2309 N91-22762
The H-infinity control problem: A state space approach
[ETN-91-99215] 14 p2318 N91-22803
Contribution to the theory of distance regular graphs
[ETN-91-99169] 14 p2320 N91-22812
Build-up and relaxation of molecular orientation in injection moulding
[ETN-91-99176] 14 p2325 N91-22841
Transport of hot electrons in GaAs/AlGaAs heterostructures
[ETN-91-99177] 14 p2325 N91-22842
High-resolution low-energy electron diffraction
[ETN-91-99185] 14 p2325 N91-22843
Etching studies in a multiple-beam surface experiment
[ETN-91-99168] 14 p2328 N91-22862
On 1/F noise in the optical output of 3-5 devices
[ISBN-90-9003705-5] 14 p2336 N91-22914
The magnetic behavior of diluted magnetic semiconductors
[ETN-91-99174] 14 p2336 N91-22915
The potential distribution in the quantized Hall effect
[ETN-91-99184] 14 p2336 N91-22916
Information plan study: A strategy model
[ISBN-90-6233-638-8] 15 p2524 N91-23988
Data acquisition and signal processing/analysis of scintillations events for the Olympus propagation experiment
[EUT-89-E-232] 22 p3665 N91-30405
On the accuracy of radiowave propagation measurements: Olympus propagation experiment
[EUT-90-E-245] 22 p3665 N91-30406
A synthesis method for combined optimization of multiple antenna parameters and antenna pattern structure
[EUT-90-E-246-X] 22 p3665 N91-30407
Derivation and verification of a model of the synchronous machine with rectifier with two damper windings of the direct axis
[EUT-90-E-248] 22 p3700 N91-30601
Preliminary investigations of tactile perception of graphical patterns
[EUT-90-E-239] 22 p3719 N91-30700
A membrane model for spatiotemporal coupling
[EUT-90-E-241] 22 p3719 N91-30701
Designing debugging tools for Simplexys expert systems
[EUT-90-E-234] 22 p3733 N91-30783
The use of Petri net theory for Simplexys expert systems protocol checking
[EUT-90-E-238] 22 p3733 N91-30784
Knowledge base correctness checking for Simplexys expert systems
[EUT-90-E-240] 22 p3742 N91-30849
A comparison of classical and modern controller design: A case study
[EUT-90-E-244] 22 p3742 N91-30850
Decompositional state assignment with reuse of standard designs: Using counters as sub-machines and using the method of maximal adjacencies to select the state chains and the state codes
[EUT-90-E-247] 22 p3742 N91-30851
Predesign of an experimental (5-10 MWt) disk MHD facility and prospects of commercial (1000 MWt) MHD/steam systems
[EUT-90-E-243] 22 p3757 N91-30945
Mounting and DC to 18 GHz characterization of double barrier resonant tunneling devices
[EUT-89-E-231] 22 p3761 N91-30965
Microwave noise measurements on double barrier resonant tunneling diodes
[EUT-90-E-242] 22 p3761 N91-30966
Colloid chemistry (TEXUS 17) ESA
23 p3830 N91-31362
Measurements of inception time lags of repetitively pulsed corona in air 23 p3941 N91-32028

TECHNISCHE UNIV., GOETTINGEN (GERMANY, F.R.).

Observations of multiple nucleus galaxies
08 p1251 N91-16890
Correlations between environmental parameters and nuclear activity 08 p1257 N91-16920

TECHNISCHE UNIV., HANOVER (GERMANY, F.R.).

Influence of materials structure and production method of Al2O3 ceramic on the x-ray stress measurement
05 p0638 N91-13540
Hanover University research report
[ISSN-0723-1903] 24 p4124 N91-33052

TECHNISCHE UNIV., MUNICH (GERMANY, F.R.).

Applicability of radar data for geoscientific purposes and expected improvements by use of multifrequency and multipolarization data 07 p0991 N91-15440
Correlated near-photospheric and stellar-wind variability in the O supergiant lambda Cep
09 p1439 N91-17934
A safety analysis of commercial airplane ditching
[ETN-91-98801] 10 p1468 N91-18095
Experimental parameter determination and systems analysis for helicopter gas turbine
[ETN-91-98798] 10 p1472 N91-18113
Effect of corrosion protective coatings on compression turbine blades following different erosion stresses
[ETN-91-98800] 10 p1473 N91-18114
Elastic airplane gust response
[ETN-91-98797] 10 p1473 N91-18118
The space station as a station for interplanetary missions
[ETN-91-98799] 10 p1488 N91-18200
Physiology of body water and salt regulation. Part 1: Circadian rhythms of endocrine systems and urinary electrolyte excretion in humans
11 p1744 N91-19592
Physiology of body water and salt regulation. Part 2: Volume and electrolyte homeostasis after an acute saline infusion 11 p1745 N91-19593
An algorithm for deconvolution by the maximum entropy method with astronomical applications
[TUM-REPT-229] 14 p2343 N91-22953
Experimental investigations on the transition from stable to unstable combustion by means of active instability control 15 p2378 N91-23165
Contributions to a space station for flights in the near field and towards geostationary Earth orbit
[ETN-91-99744] 23 p3802 N91-31203
Nucleate pool boiling (TEXUS 3)
23 p3829 N91-31354
Bubble formation, 1 (TEXUS 5)
23 p3829 N91-31355
Bubble formation, 2 (TEXUS 10)
23 p3829 N91-31356
Bubble formation, 2. Microgravity measurements of the boiling heat transfer from flat heating surfaces (TEXUS 11) 23 p3829 N91-31357
Inst. A fuer Thermodynamik. 23 p3829 N91-31358
Phase transition (TEXUS 8) 23 p3832 N91-31374

TECHNISCHE UNIV., VIENNA (AUSTRIA).

Isokinetic force velocity and electromyographic characteristic of knee and elbow extensor and flexor muscles in the 0-g environment
11 p1743 N91-19584

Productivity and photosynthesis of selected crop plants under orbital light conditions: An approach to solar powered CELSS 11 p1756 N91-19662

TECHNISCHER UERBERWACHUNGS-VEREIN RHEINLAND E.V., COLOGNE (GERMANY, F.R.).

Safety in software for manned mission control: A classification methodology 14 p2219 N91-22269

TECHNO-SCIENCES, INC., GREENBELT, MD.

Nonlinear dynamics and control of flexible structures [AD-A232795] 17 p2739 N91-25160

TECHNOLOGY INTERNATIONAL CORP., BEDFORD, MA.

DNA optical support program summary for 1989 [AD-A238397] 21 p3542 N91-29679

TECHNOLOGY PROPECTS, INC., FALLS CHURCH, VA.

Geothermal Development Opportunities in Developing Countries [DE90-017613] 04 p0543 N91-13013

TECHPLAN CORP., SAN DIEGO, CA.

Coordinates of a life-cycle model for a software system and communicating the need for software technology [AD-A226592] 05 p0701 N91-13903

TECNOLOGICA S.A., LA LAGUNA (SPAIN).

Space silicon diodes: A survey of available technologies and related manufacturing and reliability aspects 24 p3994 N91-32320

Space flight components database 24 p4003 N91-32377

CPFS: The total information system tool for EEE-parts procurement 24 p4003 N91-32379

TECNOMARE S.P.A. (ITALY).

Telerobotics: A key area for possible technology transfer from underwater to space 15 p2451 N91-23581

TECOGEN, INC., WALTHAM, MA.

Development of a gas engine-driven chiller [PB90-270414] 09 p1321 N91-17252

Development of a gas engine-driven chiller [PB91-130237] 13 p2068 N91-21389

Wear reduction systems liquid piston ring [DE91-002036] 16 p2636 N91-24595

Integrated natural gas engine cooling jacket vapor compressor program [PB91-144576] 16 p2651 N91-24674

Variable speed gas engine-driven air compressor system. Phase 1: System analysis [PB91-159533] 18 p2993 N91-26530

TEKNEKRON SENSOR DEVELOPMENT CORP., MENLO PARK, CA.

New electrorelease systems based on microporous membranes [AD-A225315] 04 p0500 N91-12777

TEL-AVIV UNIV. (ISRAEL).

Synthesis of heterocyclic compounds; derivatives of 2-thiazolidinone [ITN-90-85038] 07 p0967 N91-15309

Synthesis of heterocyclic compounds: Derivatives of 2-thiazolidinone [ITN-91-85080] 07 p0967 N91-15310

Chiral building blocks in organic synthesis: Epoxides and acetonides as a source for the C-ring of forskolin [ITN-91-85085] 07 p0967 N91-15311

Design and synthesis of peptide surrogates [ITN-91-85086] 07 p0967 N91-15312

The electrochemical behavior of microband electrodes and ensembles of microelectrodes [ITN-90-85037] 07 p0973 N91-15341

Stereochemistry and photochemistry: Theory versus experiment [ITN-90-85045] 07 p0973 N91-15342

Research on hypofluorite compounds and their chemistry [ITN-90-85046] 07 p0973 N91-15343

Unconventional mechanisms of conductivity in I2 and in H2O/CH3CN solutions [ITN-90-85050] 07 p0973 N91-15344

Homogeneous electrocatalysis of polysulfides [ITN-90-85051] 07 p0974 N91-15345

Homogeneous electrocatalysis of polysulfides [ITN-91-85083] 07 p0976 N91-15357

Ruthenium complexes in homogeneous catalysis-reduction processes [ITN-91-85070] 07 p0976 N91-15358

Synthesis and studies of new bimane derivatives [ITN-91-85072] 07 p0977 N91-15359

Ruthenium carboxylate complexes, molecular structure and catalytic reactivity [ITN-91-85073] 07 p0977 N91-15360

Metal deposition on anodically formed porous aluminum oxide films [ITN-90-85049] 07 p0978 N91-15370

Ray analysis of SEM resonances of two dimensional finned cylinders [ITN-90-85025] 07 p0989 N91-15427

The star arboricity of graphs [ITN-90-85035] 07 p0989 N91-15428

Transverse slot antenna in a dielectrically loaded waveguide [ITN-90-85061] 07 p0989 N91-15429

Radiation effects in dielectric-waveguide branching structures [ITN-90-85062] 07 p0990 N91-15430

Channel routing for VLSI layout [ITN-90-85024] 07 p0997 N91-15471

Graph isomorphism algorithm for verification of VLSI circuits [ITN-90-85028] 07 p0997 N91-15472

New approaches in blind equalization [ITN-90-85057] 07 p0997 N91-15473

A 3-D definition of a pipe wall location using image processing techniques [ITN-90-85059] 07 p1000 N91-15493

An algorithm for an automatic surveillance in outdoor surrounding for real-time applications [ITN-91-85075] 07 p1005 N91-15518

Two color correlation of scintillations in a laboratory-generated turbulence [ITN-90-85033] 07 p1006 N91-15522

Laser induced electron source in a vacuum diode [ITN-90-85056] 07 p1006 N91-15523

Application of cyclic J-integral to fatigue crack propagation [ITN-91-85076] 07 p1018 N91-15592

Application of the finite element method to fracture and damage problems in laminates [ITN-91-85065] 07 p1018 N91-15593

Isolation and structure elucidation of biological active natural products from marine sources [ITN-91-85081] 07 p1033 N91-15669

A two phase algorithm for automatic classification of chromosomes [ITN-90-85039] 07 p1034 N91-15675

Estimation of evoked potentials [ITN-90-85060] 07 p1035 N91-15676

A method to measure dynamic contact stresses between flexible bodies with application to biomechanics [ITN-91-85068] 07 p1037 N91-15690

Object memory management [ITN-90-85053] 07 p1038 N91-15693

Performance comparison of load/store and symmetric instruction set architectures [ITN-91-85066] 07 p1039 N91-15698

Parallel symbolic processing. A language (SYMPAL) and a working environment [ITN-90-85026] 07 p1039 N91-15701

TUSK (Tel-Aviv University System Kernel): An asynchronous message passing executive [ITN-90-85029] 07 p1039 N91-15702

Some doubly logarithmic optimal parallel algorithms based on finding nearest smallers [ITN-90-85030] 07 p1040 N91-15703

Generation of optimal code for Ada programs [ITN-90-85031] 07 p1040 N91-15704

Program verification using logic with a continuous measure [ITN-90-85032] 07 p1040 N91-15705

Evolutionary development of software product [ITN-90-85042] 07 p1040 N91-15706

Interpretation and compilation of a symbolic parallel language (SYMPAL) [ITN-90-85043] 07 p1040 N91-15707

On pointers versus addresses [ITN-90-85044] 07 p1041 N91-15708

Problems in string matching [ITN-90-85048] 07 p1041 N91-15709

Rapid prototyping for embedded computer systems [ITN-90-85052] 07 p1041 N91-15710

A development environment for the PSPC programming language [ITN-90-85054] 07 p1041 N91-15711

Logical relations and program schemas [ITN-90-85058] 07 p1041 N91-15712

QCP (Quantization Correction Pyramids) and parallel algorithms for pyramid construction [ITN-91-85077] 07 p1050 N91-15763

COOP: A Concurrent Object Oriented Programming language and environment [ITN-91-85078] 07 p1050 N91-15764

On the space complexity of some algorithms for sequence comparison [ITN-91-85074] 07 p1050 N91-15765

Asynchronous numerical solution of PDEs on parallel computers [ITN-91-85079] 07 p1053 N91-15782

Efficient elementary methods for the dense subset-sum problem [ITN-90-85027] 07 p1056 N91-15800

Cochlear model and measurements of combination tones [ITN-90-85055] 07 p1061 N91-15839

JND measurements of the speech formants parameters and its implication in the LPC pole quantization [ITN-90-85063] 07 p1062 N91-15840

Structure and conformation of 1,4-dioxans bearing polar substituents [ITN-90-85034] 07 p1063 N91-15849

The application of the coupled cluster method to small molecules [ITN-90-85036] 07 p1064 N91-15850

Emission spectrum of neutral helium [ITN-90-85040] 07 p1064 N91-15851

The influence of a polar solvent on the dynamics of intra-molecular electron transfer [ITN-91-85082] 07 p1065 N91-15859

Structure and conformation of tetraazadecalins and the anomeric effect [ITN-91-85071] 07 p1066 N91-15860

Surface recombination velocity at n-CdSe semiconductor-electrolyte interface [ITN-91-85084] 07 p1074 N91-15910

Modification of electrical conductivity of a-Si:H thin films by diffusion-blocking interlayers [ITN-91-85067] 07 p1074 N91-15911

Simulation of quantum dynamical processes in condensed phase [ITN-91-85069] 07 p1075 N91-15918

Semantics of universal languages and information structures in data bases [ITN-90-85041] 07 p1076 N91-15920

The high abundance ratios of Ne/C and Ne/O in the footpoints of solar flares [ITN-90-85047] 07 p1085 N91-15969

Advanced calcium-thionyl chloride high-power battery [AD-A229168] 09 p1329 N91-17302

A method for measuring the mass of sulfur in single non-homogeneous aerosols by x-ray analysis, using the scanning electron microscope [ITN-91-85096] 12 p1865 N91-20243

Discrete-time filtering of linear continuous-time processes [ITN-91-85097] 12 p1891 N91-20396

High power millimetric wavelength sources [ITN-91-85099] 12 p1891 N91-20397

A numerical model for the charging of poly-dispersed aerosol particles by attachment of atmospheric ions [ITN-91-85100] 12 p1921 N91-20569

A primal dual path following algorithm for linear programming with box type constraints [ITN-91-85087] 12 p1954 N91-20750

A source-to-source translator generator and its implementation for robotic languages [ITN-91-85089] 12 p1954 N91-20751

An Application Generator (AG) for a family of Real-Time Monitor and Control Systems (RTMCS) [ITN-91-85090] 12 p1955 N91-20752

Pdeb (parallel debugger): A debugger for a shared memory parallel computer [ITN-91-85088] 12 p1962 N91-20797

Models for concurrency in nested transactions systems [ITN-91-85091] 12 p1962 N91-20798

Probing of membrane's surface by dynamic measurements of proton diffusion [AD-A230747] 12 p1977 N91-20877

Metal deposition on anodically formed porous aluminum oxide films [ITN-91-85094] 14 p2248 N91-22436

Elastic-plastic analysis of mode 2 fracture specimen [ITN-91-85093] 14 p2279 N91-22603

The magnetic field over the Dead Sea-Lisan area [ITN-91-85098] 14 p2279 N91-22607

A one-level model for simulating surface winds over a complex terrain [ITN-91-85095] 14 p2287 N91-22647

Achievements, difficulties and predicted developments in immunoaffinity chromatography 14 p2293 N91-22682

Affinity chromatography purification of the NMDA/phencyclidine receptor complex 14 p2293 N91-22683

Eupergit C as a carrier for HPLC-based immuno-purification of antigens and antibodies 14 p2295 N91-22691

Reduction of nonspecific adsorption of serum proteins to Eupergit C and agarose 14 p2296 N91-22692

Enzymatic oxidation of monoclonal antibodies by immobilized bi-functional enzyme complexes 14 p2296 N91-22693

Adipic dihydrazide-Eupergit C: A new derivative for oriented immobilization of monoclonal antibodies 14 p2296 N91-22694

Enhanced activity of immobilized dimethymaleic anhydride-protected poly- and monoclonal antibodies 14 p2296 N91-22695

Automated analysis of foot-ground pressure patterns [ITN-91-85092] 14 p2301 N91-22714

Bulletin of the Israel Physical Society, volume 33, 1987. Annual Meeting 1987: Program and Abstracts
[ITN-89-85012] 15 p2497 N91-23832
Temperature distribution and thermal damage during tissue ablation by CO2 laser irradiation: Model and experiment 15 p2497 N91-23833
An on-line computerized system for blood-flow measurements 15 p2498 N91-23834
Optical and mechanical properties of mixed silver halide crystals 15 p2498 N91-23837
The spectrum of massive accretion disks 15 p2499 N91-23840
Exploring the mesoscopic domain where classical and quantum phenomena meet 15 p2499 N91-23843
Inverse filtering restoration of LANDSAT images blurred as a result of the adjacency effect
[ITN-90-85023] 16 p2650 N91-24670
Interaction between laser beam and biological tissue: A comparison between CO2, Nd:YAG and Ho:YAG lasers
[ITN-90-85022] 16 p2662 N91-24728
An optimal 0(log log n) time parallel string matching algorithm
[ITN-90-85019] 16 p2666 N91-24750
Methods for channel routing and modifications of the YACR2 algorithm
[ITN-90-85020] 16 p2666 N91-24751
On transformed pattern matching problems
[ITN-90-85021] 16 p2666 N91-24752
Buckling of laminated composite plates
[ITN-91-85101] 18 p2942 N91-26232
Calculation of the conductance of two dimensional narrow wires
[ITN-91-85109] 18 p2980 N91-26460
Ricochet of sphere off water
[ITN-91-85102] 18 p2985 N91-26480
An experimental and numerical study of wavemaker dissipation in the process of direct generation of the resonant sloshing waves in a rectangular tank
[ITN-91-85103] 18 p2985 N91-26481
The delay of turbulent boundary layer separation by oscillatory active control
[ITN-91-85104] 18 p2985 N91-26482
Investigation of laminar, fully developed flow in annulus by finite difference model
[ITN-91-85116] 18 p2985 N91-26483
Quality by design using statistically planned experiments
[ITN-91-85119] 18 p2997 N91-26553
Investigation and characterization of ITO/poly-Si photovoltaic junctions
[ITN-91-85105] 18 p3004 N91-26590
UV aurora mapping in corrected geomagnetic coordinates
[ITN-91-85106] 18 p3012 N91-26636
On the evolution of raindrop spectra and their effect on the atmosphere below cloud base: Numerical models and comparisons with observations
[ITN-91-85113] 18 p3015 N91-26652
Sitting posture analysis. An experimental optimisation approach
[ITN-91-85114] 18 p3036 N91-26760
Spectral recovery of discontinuous data
[ITN-91-85115] 18 p3052 N91-26853
A sequential Jackson network with feedback
[ITN-91-85111] 18 p3054 N91-26867
Queueing systems with orbiting customers
[ITN-91-85112] 18 p3054 N91-26868
Creation of uncertainty in repeated two-person non-zero-sum games
[ITN-91-85118] 18 p3054 N91-26869
Temporal and spatial correlations in images distorted by a random medium
[ITN-91-85107] 18 p3065 N91-26935
Crystallization of thin films of amorphous germanium alloys
[ITN-91-85110] 18 p3071 N91-26969
Heuristics for a flow-shop model with parallel machines and setup times
[ITN-91-85117] 18 p3075 N91-26996
The light curve of the magnetic star AM - Herculis
[ITN-91-85108] 18 p3083 N91-27049
An active delay of separation on two-dimensional airfoils
[ITN-91-85142] 20 p3280 N91-28139
Mutual interference between many similar radars operating in physical proximity
[ITN-91-85139] 20 p3335 N91-28468
Fluctuations in near-surface backscattering to a descending CW radar
[ITN-91-85140] 20 p3335 N91-28469
Performance evaluation of partial response continuous phase modulation: Discriminator detection
[ITN-91-85145] 20 p3335 N91-28470
Wideband adaptive HF modem
[ITN-91-85147] 20 p3335 N91-28471
Numerical solution of a moving boundary problem as a model solution for a solar pipe
[ITN-91-85143] 20 p3344 N91-28516
Planning of minimum-time trajectories for robotic arms
[ITN-91-85141] 20 p3355 N91-28583
Human body protection in a dynamic environment. Cushioning mechanics
[ITN-91-85149] 20 p3381 N91-28733
Efficient soft decision decoding of Reed-Muller codes and related non-linear generalizations
[ITN-91-85146] 20 p3386 N91-28760
Color effects in optical systems
[ITN-91-85150] 20 p3405 N91-28878
Static capacity model for sealed nickel cadmium cells
[ITN-91-85144] 22 p3667 N91-30420
Ge-Sn-Se, Ge-Se-Te, and Ge-Sn-Se-Te glasses for infra-red optical fibers
[ITN-91-85148] 22 p3754 N91-30928

TELECOMMUNICATION SCIENCE ASSOCIATES, INC., SAN DIEGO, CA.
VLF nighttime data analysis
[AD-A234006] 18 p2974 N91-26417

TELEDYNE BROWN ENGINEERING, HUNTSVILLE, AL.
MSL-2 accelerometer data results 03 p0430 N91-12411
The perfectly ideal accelerometer 03 p0433 N91-12427
Toxic and reactive material handling on Spacelab J and USML-1 07 p1079 N91-15935
The materials processing sciences glovebox 07 p1080 N91-15942
IVA the robot: Design guidelines and lessons learned from the first space station laboratory manipulation system 12 p1935 N91-20643

TELEDYNE CAE, TOLEDO, OH.
Small Engine Component Technology (SECT) study [NASA-CR-175079] 16 p2562 N91-24208
Model 320-2: A compact advanced UAV turbojet 16 p2578 N91-24292

TELEDYNE GEOTECHNICAL, DALLAS, TX.
Acquisition and analysis of accelerometer data 03 p0431 N91-12418

TELEDYNE/MCCORMICK SELPH, HOLLISTER, CA.
Very high burn rate propellants
[DE90-016865] 01 p0031 N91-10186

TELEDYNE WAH CHANG, ALBANY, NY.
Perturbed angular correlations in zirconia ceramics [DE91-005571] 10 p1502 N91-18267

TELEFUNKEN SYSTEM TECHNIK G.M.B.H., ULM (GERMANY, F.R.).
Millimeter-wave monolithic integrated receiver circuits 07 p0942 N91-15162

TELEOS RESEARCH, PALO ALTO, CA.
The synthesis of intelligent real-time systems
[AD-A230751] 12 p1967 N91-20826

TELESPAZIO, S.P.A., ROME (ITALY).
The architecture of the SAX-OCC: A control centre for a scientific satellite 14 p2210 N91-22204
The design of the SAX scientific data archive for a quick look at the rotational control centre 14 p2223 N91-22295

TEMPLE UNIV., PHILADELPHIA, PA.
An investigation of the Newman-Penrose constants for massless free fields of arbitrary spin 02 p0291 N91-11630
Stabilization of large space structures by linear reluctance actuators 14 p2225 N91-22309
Mixed valent and heavy ferimons and related systems [DE91-015454] 21 p3578 N91-29900

TENNESSEE EASTMAN CORP., KINGSPORT.
Distillation tray structural parameter study: Phase 1 12 p1912 N91-20515

TENNESSEE STATE UNIV., NASHVILLE.
Validity study in multidimensional latent space and efficient computerized adaptive testing
[AD-A227742] 08 p1209 N91-16650
Solving the BM Camelopardalis puzzle 19 p3273 N91-28104

TENNESSEE TECHNOLOGICAL UNIV., COOKEVILLE.
Ignition transient analysis of solid rocket motor 10 p1629 N91-18985
Design of optimal correlation filters for hybrid vision systems 18 p3096 N91-27110

TENNESSEE UNIV., CHATTANOOGA.
Thermal analysis simulation for a spin-motor used in the advanced main combustion chamber vacuum plasma spray project using the SINDA computer program 10 p1632 N91-18998

TENNESSEE UNIV., KNOXVILLE.
Aerodynamic design optimization using computational fluid dynamics 02 p0179 N91-11013
Accuracy, convergence and stability of finite element algorithms for incompressible fluid flow 02 p0212 N91-11184
The influence of environmental factors on the temperature of the radiosonde thermistor 02 p0237 N91-11325
Newly appreciated roles for electrons in ion-atom collisions
[DE91-000555] 02 p0269 N91-11509
Validity measures in the context of latent trait models
[AD-A224695] 03 p0396 N91-12200
Predictions of reliability coefficients and standard errors of measurement using the test information function and its modifications
[AD-A224696] 03 p0396 N91-12201
Differential weight procedure of the conditional P.D.F. approach for estimating the operating characteristics of discrete item responses
[AD-A224697] 03 p0412 N91-12307
Modifications of the test information function
[AD-A224698] 03 p0413 N91-12308
Elementary particle interactions
[DE91-001220] 05 p0713 N91-13979
Design and development of a space station hazardous materials information system for assessing chemical compatibility 09 p1297 N91-17120
A study of jets in crossflow and its application on wingtip blowing 09 p1335 N91-17332
A solution of the Euler Equations on an unstructured grid system 09 p1335 N91-17333
Remote sensing of turbulence using Doppler lidar and radar techniques 09 p1354 N91-17436
Capillary liquid chromatography using laser-based and mass spectrometric detection
[DE91-004887] 10 p1496 N91-18234
Construction and evaluation of a regenerable flouroimmunochemical-based fiber optic biosensor
[DE91-004886] 10 p1596 N91-18807
In-space experiment on thermoacoustic convection heat transfer phenomenon-experiment definition
[NASA-CR-187070] 11 p1703 N91-19378
An eccentric shear-lag model and implications on the strength of fibrous composites
[AD-A229733] 12 p1862 N91-20233
The production and destruction of negative ions
[DE91-009517] 13 p2150 N91-21850
Safety and environmental constraints on space applications of fusion energy 14 p2200 N91-22149
Polymer-based separations: Synthesis and application of polymers for ionic and molecular recognition
[DE91-009516] 14 p2252 N91-22458
An investigation of the thermal shock resistance of lunar regolith and the recovery of hydrogen from lunar soil heated using microwave radiation 16 p2594 N91-24373
An investigation of some mechanical and thermal properties of lunar simulant materials heated at 2.45 GHz 17 p2749 N91-25209
Investigation of mechanical and thermal properties of microwave-sintered lunar simulant materials using 2.45 GHz radiation 17 p2753 N91-25237
Oxygen production processes on the Moon: An overview 17 p2903 N91-26034
Helium abundances on the moon: Assumptions and estimates 17 p2916 N91-26096
Methodology for predicting ductile instability in welded structures
[AD-A235999] 19 p3179 N91-27580
Mechanical properties of diamond and diamond-like films
[DE91-011373] 20 p3324 N91-28406
Analysis of the surface heterogeneity of different samples of aluminum oxide ceramic powders
[DE91-013527] 20 p3327 N91-28421
Validity of the model used to relate the energy distribution and the adsorption isotherm
[DE91-013528] 20 p3328 N91-28428
Transient two-phase flow of cryogenic fluid in a vertical transfer line during the cooldown process 20 p3345 N91-28522
Modeling two-point spatial turbulence spectra for analysis of gust variations over aerospace vehicles 20 p3373 N91-28685
Boron in nuclear medicine: New synthetic approaches to PET, SPECT, and BNCT agents
[DE91-016488] 23 p3899 N91-31764

TENNESSEE UNIV., MEMPHIS.
Changes in somatosensory responsiveness in behaving monkeys
[AD-A226832] 08 p1190 N91-16540
Muramyl peptide-enhanced sleep: Pharmacological optimization of performance
[AD-A239442] 23 p3899 N91-31766

TENNESSEE UNIV., TULLAHOMA.
Potential application of magnetohydrodynamic acceleration to hypersonic environmental testing
[AD-A225678] 04 p0585 N91-13263
An innovative demonstration of high power density in a compact MDH (magnetohydrodynamic) generator
[DE91-005526] 10 p1601 N91-18830

Engineering monitoring expert system's developer
[NASA-CR-187914] 11 p1780 N91-19765
A PC based frequency domain LV processor
[DE91-009056] 20 p3348 N91-28541

TENNESSEE UNIV. SPACE INST., TULLAHOMA.

A flight expert system for on-board fault monitoring and diagnosis
[NASA-CR-187334] 05 p0622 N91-13452
Investigation of transonic flow over segmented slotted wind tunnel wall with mass transfer
[NASA-CR-187760] 08 p1090 N91-15981
The magnetohydrodynamics coal-fired flow facility
[DE91-007672] 11 p1804 N91-19906
A finite element solver for 3-D compressible viscous flows
[NASA-CR-184175] 21 p3510 N91-29488

TEST SQUADRON (6510TH), EDWARDS AFB, CA.

B-1B high AOA testing in the evaluation of a stall inhibitor system 15 p2372 N91-23126

TEST SQUADRON (6515TH), EDWARDS AFB, CA.

The development of avionics-intensive, multi-sensor cockpits: Simulation does not always equal success 07 p1047 N91-15746

TEST WING (3246TH), EGLIN AFB, FL.

Tables of confidence limits for proportions
[AD-A230079] 12 p1972 N91-20852

TEXAS A&M UNIV., COLLEGE STATION.

System engineering of aerospace and advanced technology programs at an astronautics company (record of study) 01 p0032 N91-10192
The 3-D laser anemometer study of compressible flow through orifice plates
[PB90-216771] 01 p0046 N91-10273
An analytical solution for the elastoplastic response of a continuous fiber composite under uniaxial loading 01 p0051 N91-10305
An experimental and analytical study of structural identification 01 p0055 N91-10325
Deformation and delamination of inelastic laminates under tensile and torsional loading 02 p0190 N91-11063
On-line quantitative nondestructive evaluation and characterization of tough ceramics at operating temperatures (DURIP)
[AD-A224730] 03 p0344 N91-11924
Electrochemical incineration of wastes
[NASA-CR-186317] 03 p0387 N91-12156
The initiation and termination of persistent atmospheric phenomena in a low-order spectral model 03 p0390 N91-12170
The effect of heating on tendon and joint blood flow
[AD-A225233] 03 p0395 N91-12198
Goodness of fit tests and entropy
[AD-A224860] 03 p0413 N91-12310
Climate fluctuations and climate sensitivity 03 p0445 N91-12485
Simplifications in the behavior of viscoelastic composites with growing damage
[AD-A225788] 04 p0497 N91-12759
A new method for determining rotordynamic forces on liquid annular seals 04 p0531 N91-12948
Analytical and experimental research on large angle maneuvers of flexible structures
[AD-A226679] 05 p0628 N91-13479
Experimental and theoretical determination of the thermomechanical response of inelastic structural materials to high energy thermal inputs
[AD-A226671] 05 p0631 N91-13496
Experimental observations and finite element analysis of the initiation of fiber microbuckling in notched composite laminates
[NASA-CR-185354] 05 p0676 N91-13756
Tropical Pacific moisture variability: Its detection, synoptic structure and consequences in the general circulation
[NASA-CR-184045] 05 p0689 N91-13832
High energy physics program at Texas A&M University
[DE91-001639] 05 p0715 N91-13989
Development of laser-ion beam photodissociation methods
[DE91-000680] 06 p0805 N91-14448
A study of liquid scintillator and fiber materials for use in a fiber calorimeter
[DE91-004229] 06 p0830 N91-14585
Effect of atmospherics on beamforming accuracy
[NASA-CR-187695] 06 p0869 N91-14802
A new technique for measuring axial damping and its application to metal-matrix composites 07 p0968 N91-15314
Studies of mode 1 and mode 2 delamination using a J-integral analysis and in-situ observations of fracture in the SEM
[AD-A225789] 07 p0968 N91-15316
Analysis of damage growth in particulate composites using a work potential
[AD-A225790] 07 p0969 N91-15317
Nonlinear dynamical response of impulsively loaded structures using Ritz vector basis approach 07 p1014 N91-15568
Tropical Pacific moisture variability 08 p1183 N91-16509
Spatial and temporal climate variations influencing medium-range temperature predictions over south-central European Russia
[AD-A228623] 08 p1187 N91-16527
Horizontal fault tolerance in a fully distributed loosely coupled environment
[AD-A227972] 08 p1207 N91-16638
Mathematical methods and algorithms for real-time applications
[AD-A228889] 08 p1211 N91-16663
Novel dynamics and controls analysis methods for nonlinear structural systems
[AD-A229164] 09 p1285 N91-17064
Investigation of a tapered artery micro heat pipe for cooling ceramic chip carriers
[AD-A224925] 09 p1331 N91-17312
Local sensory control of a dexterous end effector
[NASA-CR-187710] 09 p1344 N91-17386
Orbital debris removal and salvage system 10 p1483 N91-18171
Active vibration control techniques for flexible space structures
[NASA-CR-185643] 10 p1486 N91-18184
Attitude control/momentum management and payload pointing in advanced space vehicles
[NASA-CR-185644] 10 p1486 N91-18185
Oxygen electrode in molten carbonate fuel cells
[DE91-005743] 10 p1541 N91-18483
Considerations of beta and electron transport in internal dose calculations
[DE91-006251] 10 p1563 N91-18598
Implementation strategies for load center automation on the space station module/power management and distribution testbed 10 p1635 N91-19019
Analysis of energy balance models using the ERBE data set
[NASA-CR-188002] 12 p1926 N91-20596
Direct optical to microwave conversion
[AD-A229856] 12 p1980 N91-20892
Using fuzzy logic to integrate neural networks and knowledge-based systems 13 p2141 N91-21788
Optimal Hankel-norm approximation and rational function models using impulse response data
[AD-A231317] 13 p2149 N91-21839
Proton depth dose distribution: 3-D calculation of dose distributions from solar flare irradiation
[AD-A231230] 13 p2183 N91-22061
Failure prediction of thin beryllium sheets used in spacecraft structures
[NASA-CR-188167] 14 p2276 N91-22588
Elastic - plastic fracture mechanics. Part 1: A critical review
[AD-A231909] 14 p2277 N91-22591
Flow field study of a rectangular jet 15 p2423 N91-23423
Stochastic micromechanical modeling of cleavage fracture in the ductile-brittle transition region 15 p2443 N91-23533
Elastic/plastic fracture mechanics. Part 2: Marine structural applications
[AD-A232560] 15 p2448 N91-23557
Excitation of atoms and molecules in collisions with highly charged ions
[DE91-010740] 15 p2504 N91-23870
An initial investigation into methods of computing transonic aerodynamic sensitivity coefficients
[NASA-CR-188192] 16 p2545 N91-24099
Nonequilibrium radiation and chemistry models for aerocapture vehicle flowfields, volume 1
[NASA-CR-188196] 16 p2545 N91-24100
Nonequilibrium radiation and chemistry models for aerocapture vehicle flowfields, volume 2
[NASA-CR-188198] 16 p2545 N91-24101
Nonequilibrium radiation and chemistry models for aerocapture vehicle flowfields, volume 3
[NASA-CR-188195] 16 p2545 N91-24102
Deformation and fracture of fiber-reinforced ceramic composites
[AD-A233031] 16 p2605 N91-24437
Active vibration control of rotorbearing systems utilizing piezoelectric pushers 16 p2643 N91-24631
Optimization of symmetric output feedback control for large flexible structures 16 p2674 N91-24800
Optimal control of a class of nonlinear distributed parameter systems 16 p2674 N91-24803
Symposium on New Materials for Nonlinear Optics
[AD-A233068] 16 p2689 N91-24886
Preliminary investigation of thin film polymers exposed to low Earth orbit 16 p2714 N91-25020
Study of balloon and thermal control material degradation aboard LDEF 16 p2714 N91-25021
The influence of flowing afterglow exposure on the degradation of various polymeric materials 16 p2714 N91-25022
Effect of polymer electrode morphology on performance of a lithium/polypyrrole battery 17 p2769 N91-25323
New secondary batteries utilizing electronically conductive polypyrrole cathode 17 p2769 N91-25324
Mechanical properties and modeling of seal-forming lithologies
[DE91-010741] 17 p2784 N91-25404
A mathematical model of the maximum power density attainable in an alkaline hydrogen/oxygen fuel cell
[NASA-CR-188613] 17 p2804 N91-25502
Characterization of slow and fast phase nystagmus
[NASA-CR-188452] 17 p2821 N91-25589
Thermal degradation chemistry of poly(diphenoxy phosphazene)
[AD-A235284] 18 p2951 N91-26282
Ionically and electronically conductive composite polymer membranes
[AD-A234587] 18 p2962 N91-26349
Radiation, scattering, and guidance of electromagnetic fields by arbitrarily shaped structures embedded in layered dielectric media
[AD-A234434] 18 p2975 N91-26423
Rotordynamic and leakage characteristics of a 4-stage brush seal
[AD-A235336] 18 p2995 N91-26541
Stabilization and control problems in structural dynamics
[AD-A235189] 18 p3000 N91-26567
Proton arc doses to the primate head
[AD-A235134] 18 p3030 N91-26726
Comparison change analysis
[AD-A233690] 18 p3055 N91-26873
A nonrecursive order N preconditioned conjugate gradient: Range space formulation of MDOF dynamics 18 p3093 N91-27099
An initial investigation into methods of computing transonic aerodynamic sensitivity coefficients
[NASA-CR-188644] 19 p3100 N91-27130
Nonequilibrium radiation and chemistry models for aerocapture vehicle flowfields
[NASA-CR-188646] 19 p3111 N91-27191
Experimental verification of a new laminar airfoil: A project for the graduate program in aeronautics
[NASA-CR-188772] 22 p3612 N91-30092
Experimental research on high gradient acceleration by wakefields in an elliptic cavity at the UTA wake field test facility
[AD-A229503] 22 p3749 N91-30896
Estimation of the time of arrival of underwater acoustic signals by spline functions. 1: An introduction
[AD-A229300] 22 p3749 N91-30900
An analytical prediction of matrix cracking in fibrous composite laminates 23 p3805 N91-31225
An investigation into the effects of damage on the stresses in a composite laminate 23 p3805 N91-31226
Correlations between surface structure and catalytic activity/selectivity
[DE91-016453] 23 p3810 N91-31255
High pressure catalytic reactions over single-crystal metal surfaces
[DE91-016475] 23 p3811 N91-31256
Fracture toughness characterization of polymers 23 p3818 N91-31296
Robust impedance control of robot manipulators 23 p3818 N91-31297
A three-dimensional viscous flow model of stator/rotor interaction in turbomachines 23 p3864 N91-31547
Dynamics of 1.3 micron semiconductor lasers and nonlinear gain 23 p3875 N91-31613
New directions for the catalytic conversion of methane
[PB91-206417] 24 p3972 N91-32191
High energy efficiency and high power density proton exchange membrane fuel cells: Electrode kinetics and mass transport 24 p4037 N91-32558
Tropical Pacific moisture variability 24 p4062 N91-32690
Study of neutron-proton interaction in the 300 to 700 MeV energy region
[DE91-016487] 24 p4096 N91-32887

TEXAS A&M UNIV., GALVESTON.

Photographic image enhancement 18 p3092 N91-27094

TEXAS CHRISTIAN UNIV., FORT WORTH.

Phase transitions at liquid solid interfaces: Pade approximant for adsorption isotherms and voltammograms
[AD-A232623] 15 p2399 N91-23285

TEXAS INSTRUMENTS, INC., DALLAS.

Quantum device development
[AD-A225813] 04 p0587 N91-13280

Selective heteroepitaxial growth of compound semiconductors
[AD-A230016] 12 p1986 N91-20929
Proceedings of the Object-Oriented Database Task Group Workshop
[PB91-159723] 17 p2889 N91-25971
CIM 10-micrometers array development
[AD-A236781] 19 p3159 N91-27467
Few-electron lateral resonant tunneling semiconductor devices
[AD-A236901] 19 p3255 N91-28012
Silicon Wafer Advanced Packaging (SWAP). Multichip Module (MCM) foundry study, version 2
[AD-A237412] 21 p3505 N91-29452

TEXAS INSTRUMENTS DEUTSCHLAND G.M.B.H., FREISING (GERMANY, F.R.).
The threat management for a modern fighter
[MBB/FE300/S/PUB/347] 04 p0480 N91-12678

TEXAS INSTRUMENTS FRANCE, VELIZY-VILLACOUBLAY.
An advanced testability concept for space applications
24 p3995 N91-32323

TEXAS INSTRUMENTS FRANCE, VILLENEUVE-LOUBET.
Space manufacturing quality through statistical process control: An application at Texas Instruments France, a space semiconductors production line
24 p4004 N91-32384

TEXAS LUTHERAN COLL., SEGUIN.
Mechanics, impact loads and EMG on the space shuttle treadmill 18 p3096 N91-27112

TEXAS SOUTHERN UNIV., HOUSTON.
International food patterns for space food
19 p3267 N91-28068
The formation and study of titanium, zirconium, and hafnium complexes 19 p3270 N91-28085
Polarographic study of cadmium 5-hydroxy 2-(hydroxymethyl) 4H-pyran-4-one complex
19 p3270 N91-28088

TEXAS TECHNOLOGICAL UNIV., LUBBOCK.
Novel approaches to ionic chromatography
[DE91-006261] 09 p1310 N91-17192
Theoretical and numerical study of anomalous turbulent transport in plasmas
[AD-A232688] 15 p2514 N91-23931
Programmable optical quadratic neural networks
[AD-A233520] 16 p2676 N91-24813
Real-time solar imaging with a 19-segment active mirror system: A study of the standard atmospheric turbulence model 16 p2704 N91-24966
Wind drag coefficients for octagonal cylinders
[PB91-164475] 19 p3102 N91-27141

TEXAS UNIV., ARLINGTON.
Electronic and ionic transport in processable conducting polymers
[AD-A227857] 08 p1120 N91-16154
Visualization of unsteady transonic flow by holographic interferometry using photorefractive media
[AD-A228802] 08 p1151 N91-16336
Experimental study of a two-dimensional propulsive wing in a low-speed wind tunnel 09 p1272 N91-16994
Pavement crack detection with lasers
[PB91-103820] 09 p1349 N91-17408
Development and application of an integral method for nonlinear elliptic problems 09 p1391 N91-17651
A numerical simulation of shock-enhanced mixing in supersonic combustion 10 p1495 N91-18227
Calculations of separated 3-D flows with a pressure-staggered Navier-Stokes equations solver
[NASA-CR-187065] 11 p1701 N91-19367
Electronic and ionic transport in processable conducting polymers
[AD-A231293] 13 p2057 N91-21321
Effect of cell size on radar clutter statistics
[AD-A231897] 14 p2257 N91-22483
Electroactive, near infrared absorbing nickel bis(dithiolene) complex polycarbonates and polyurethanes
[AD-A234595] 18 p2962 N91-26350
Processable polymers and copolymers of 3-alkylthiophenes and their blends
[AD-A234596] 18 p2962 N91-26351
Electronic and ionic transport in processable conducting polymers
[AD-A234597] 18 p2963 N91-26352
Surface characterization of electrically conducting nickel tetrathiooxalate/poly(vinyl alcohol) composites
[AD-A234598] 18 p2963 N91-26353
Electrochemically induced charge and mass transport in polypyrrole/poly(styrene sulfonate) molecular composites
[AD-A234599] 18 p2963 N91-26354
Analysis and modeling of early vision tasks for robot stereo vision 20 p3355 N91-28585
Electronic and ionic transport in processable conducting polymers
[AD-A238175] 21 p3489 N91-29362
Calculations of steady and transient channel flows with a time-accurate L-U factorization scheme
[NASA-CR-187071] 22 p3676 N91-30468
A perspective on CELSS control issues
23 p3904 N91-31794

TEXAS UNIV., AUSTIN.
Tearing modes in tokamaks with lower hybrid current drive
[DE90-017090] 01 p0126 N91-10743
Unified theory of ballooning instabilities and temperature gradient driven trapped ion modes
[DE90-017091] 01 p0126 N91-10744
Numerical simulation of ion temperature gradient driven modes in the presence of ion-ion collisions
[DE90-017092] 01 p0126 N91-10745
Propagation of magnetoacoustic waves in the solar atmosphere with random inhomogeneities of density and magnetic fields
[DE90-017616] 01 p0141 N91-10831
Nominal ocean tide models for TOPEX precise orbit determination 02 p0183 N91-11029
Residual stress measurements and microstructural characterization of graphite-aluminum metal matrix composite 02 p0191 N91-11068
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
Natural current profiles in a tokamak
[DE91-000128] 02 p0274 N91-11540
Nonlinear saturation of ideal interchange modes in a sheared magnetic field
[DE91-000575] 02 p0275 N91-11548
Magnetic field generation in astrophysics
02 p0289 N91-11623
Nitrogen and sulfur in irregular galaxies
02 p0289 N91-11624
On the origin of cosmological magnetic fields
[DE90-017617] 02 p0291 N91-11634
Numerical study of compressible magnetoconvection with an open transitional boundary
[DE91-000148] 02 p0294 N91-11651
Simulation of an experiment to measure the Lense-Thirring precession using a second Lageos satellite 03 p0319 N91-11784
Satellite sound broadcast propagation studies and measurements 03 p0352 N91-11964
Suggested research topics in sensitivity and stability analysis for semi-infinite programming problems
[AD-A225540] 03 p0407 N91-12269
Nonlinear acoustics: Propagation in a periodic waveguide and scattering of sound by sound
[AD-A224738] 03 p0414 N91-12318
Microwave and millimeter-wave oscillators and planar power combining structures for QWITT and Gunn diodes
[AD-A226246] 04 p0520 N91-12893
The physics of turbulent boundary layer structures and effects due to manipulation
[AD-A225834] 04 p0522 N91-12905
High accuracy position control over a large range using a macro/micro robot pair system with a magnetic levitation micro-robot 04 p0531 N91-12946
Effects of compressibility, diamagnetic drift, and thermal conduction on resistive ballooning modes in the second stability regime
[DE90-017618] 04 p0583 N91-13254
Measuring the Lense-Thirring precession using a second Lageos satellite
[NASA-CR-186945] 05 p0626 N91-13470
The effect of inertial coupling in the dynamics and control of flexible robotic manipulators
[NASA-CR-187679] 05 p0669 N91-13721
Dynamic modeling, property investigation, and adaptive controller design of serial robotic manipulators modeled with structural compliance
[NASA-CR-187678] 05 p0670 N91-13722
Positional estimation techniques for an autonomous mobile robot
[NASA-CR-187689] 05 p0670 N91-13725
Information systems supported end-user interaction: Impacts on inter- and intra-organizational connectivity and cooperative behavior 05 p0730 N91-14075
High spatial resolution 100 micron observations of the M83 bar 05 p0740 N91-14130
Spatially resolved optical and near infrared spectroscopy of I Zw 18 05 p0745 N91-14154
High spatial resolution studies of galaxies in the far IR: Observations with the KAO, and the promise of SOFIA
05 p0761 N91-14229
Properties of the Magellanic-type galaxies
05 p0764 N91-14245
Dynamics of separation and reattachment in a Mach 5 unswept compression ramp flow
06 p0771 N91-14276
The application of deterministic spectral domain method to the analysis of planar circuit discontinuities on open substrates
[AD-A226901] 06 p0822 N91-14542
Picosecond laser system for high speed characterization of monolithic devices
[AD-A227372] 06 p0831 N91-14595
Fracture analysis of cathodic delamination in rubber-to-metal bonds 06 p0837 N91-14627
High resolution spectroscopy of the 11.3 micron emission band 06 p0890 N91-14917
The compact far infrared emission from the young stellar object IRAS 16293-2422 06 p0894 N91-14940
Magnetically driven jets and winds
06 p0921 N91-15084
Coronal mass ejections
[NASA-CR-186579] 06 p0930 N91-15115
Tracking station coordinates and their temporal evolution as determined from laser ranging to the Lageos satellite
07 p0939 N91-15144
Detection and time delay estimation of non-Gaussian signals in noise
[AD-A227046] 07 p0994 N91-15455
Automation of a piping construction manipulator and development of a heuristic application-specific path planner 07 p1009 N91-15539
Quantifying fault recovery in multiprocessor systems
[NASA-CR-187681] 07 p1048 N91-15750
Research in theoretical nuclear physics
[DE91-004227] 07 p1064 N91-15853
Research in experimental nuclear physics
[DE91-001616] 07 p1065 N91-15854
Visual pattern image coding 07 p1068 N91-15875
Modelling of drift wave turbulence with a finite ion temperature gradient
[DE91-004301] 07 p1069 N91-15879
Weakly-interacting particles in general relativity: A numerical study of the general-relativistic Boltzmann equation 07 p1084 N91-15965
A decentralized linear quadratic control design method for flexible structures
[NASA-CR-187860] 08 p1103 N91-16059
Polymers at liquid-liquid interfaces: Photophysics and photoredox chemistry
[DE91-005032] 08 p1119 N91-16151
Some applications of probability and statistics in communication theory and signal processing
[AD-A226869] 08 p1125 N91-16184
Terrain matching using image sequence analysis
08 p1167 N91-16424
The design of a two-dimensional optical image correlator and its application in image tracking
08 p1224 N91-16744
Wave-particle power transfer in a steady-state driven system
[DE90-010031] 08 p1225 N91-16748
Texas experimental tokamak
[DE90-011070] 08 p1227 N91-16762
The CIT physics program
[DE90-012134] 08 p1229 N91-16774
Information technology policies: A four country comparative study 08 p1241 N91-16840
Dense cores and young stellar objects
08 p1266 N91-16969
High-altitude hypersonic aerodynamics of blunt bodies
09 p1273 N91-16996
Wavenumber resonance in nonlinear wave interactions in the wake of a flat plate 09 p1334 N91-17328
Robust control synthesis for uncertain dynamical systems 09 p1345 N91-17393
Construction manipulator teleoperation with Ergosticks
09 p1346 N91-17396
A universal bilateral/force-reflecting manual controller design, control, and implementation
09 p1346 N91-17397
Redundancy management for efficient fault recovery in NASA's distributed computing system
[NASA-CR-187879] 09 p1384 N91-17611
Decision-making software for redundant manipulators
09 p1390 N91-17644
A kinetic theory of trapped electron driven drift wave turbulence in a sheared magnetic field
[DE91-004302] 09 p1394 N91-17668
Plasma confinement theory and transport simulation
[DE90-011072] 09 p1400 N91-17705
Mach's principle and rotating universes
09 p1426 N91-17851
Global star formation in the L1630 molecular cloud
09 p1426 N91-17852
Astero-archaeology: Reading the galactic history recorded in the white dwarf stars
09 p1427 N91-17854
Project Summaries, 1989 - 1990
10 p1480 N91-18152
Project summaries 10 p1480 N91-18153

Experimental and numerical studies of solid fuel combustion in an opposed flow configuration
10 p1495 N91-18228

On the initiation and propagation of localized instabilities in long tubes under internal pressure and axial tension
10 p1534 N91-18447

Synthesis and analysis of novel polymers with potential for providing both high permselectivity and permeability in gas separation applications
[DE91-008283] 11 p1689 N91-19309

Action principles for the Vlasov equation: Four old, one new
[DE91-008177] 11 p1784 N91-19787

Summary of the International Dawson Symposium on The Physics of Plasmas
[DE91-006912] 11 p1802 N91-19897

Relaxed states with plasma flow
[DE91-008199] 11 p1804 N91-19909

Understanding the high temperature behavior of niobium aluminides: First year summary report
[AD-A230202] 12 p1870 N91-20273

Joint services electronics program: Electronics research at the University of Texas at Austin
[AD-A230805] 12 p1893 N91-20413

Artificial intelligence project
[AD-A230793] 12 p1967 N91-20827

Problems in noniinear acoustics: Pulsed finite amplitude sound beams, nonlinear acoustic wave propagation in a liquid layer, nonlinear effects in asymmetric cylindrical sound beams, effects of absorption on the interaction of sound beams, and parametric receiving arrays
[AD-A230327] 12 p1975 N91-20865

Time, dynamics and chaos
[DE91-008316] 12 p1993 N91-20972

Assessment of the absolute accuracy of long-baseline kinematic GPS positioning of a moving vehicle
[PB91-129379] 13 p2022 N91-21125

Controlling fundamentals in high-energy high-rate pulsed power materials processing of powdered tungsten, titanium aluminides, and copper-graphite composites
[AD-A230900] 13 p2053 N91-21298

Electron transfer between glucose oxidase and electrodes via redox mediators bound with flexible chains to the enzyme surface
[AD-A231115] 13 p2151 N91-21856

Signal processing studies of a simulated laser Doppler velocimetry-based acoustic sensor
[AD-A231879] 14 p2269 N91-22554

Interfacial crack initiation under biaxial loading
14 p2274 N91-22580

Effect of beam-attenuation modulation on fluctuation measurements by heavy-ion beam probe
[DE91-010423] 14 p2326 N91-22853

Dispersion relations of density fluctuations observed by heavy ion beam probe in the TEXT tokamak
[DE91-010422] 14 p2328 N91-22866

Target maneuver models for improved homing guidance 15 p2368 N91-23101

Precision orbit determination of global positioning system satellites 15 p2386 N91-23202

System modeling and identification of flexible structures 15 p2443 N91-23531

Synergetic multisensor fusion
[AD-A232089] 15 p2486 N91-23766

Control synthesis based upon a game theoretic approach 15 p2497 N91-23831

On standard forms for transport equations and fluxes, part 2
[DE91-010421] 15 p2511 N91-23912

Comparison of drift wave models with fluctuation data from the interior of the TEXT tokamak
[DE91-010424] 15 p2512 N91-23918

Structure and properties of novel compounds of silicon, germanium, and tin
[AD-A232892] 16 p2597 N91-24393

Analysis and characterizations of planar transmission structures and components for superconducting and monolithic integrated circuits
[NASA-CR-188213] 16 p2619 N91-24499

Stochastic adaptive control for a class of dual control problems 16 p2674 N91-24799

Adaptive control of nonlinear and stochastic systems
[AD-A232996] 16 p2675 N91-24806

Query performance enhancement techniques in object-oriented databases 16 p2698 N91-24941

Parallel supercomputing: Advanced methods, algorithms, and software for large-scale problems
[DE91-011430] 17 p2839 N91-25691

Toroidal plasma reactor with low external magnetic field
[DE91-011522] 17 p2869 N91-25870

IFS numerical laboratory tokamak
[DE91-011832] 17 p2870 N91-25873

Measurements of plasma space potential and radial electric field in TEXT with a heavy ion beam probe
[PB91-151290] 17 p2870 N91-25876

Industrial modification of the lunar atmosphere
17 p2907 N91-26052

Surface mediated photocatalysis
[AD-A233748] 18 p2945 N91-26246

High temperature superconducting planar circuit structures for high frequency applications
[AD-A234335] 18 p2978 N91-26445

Near field interaction of microwave signals with a bounded plasma plume
[NASA-CR-185358] 18 p3067 N91-26944

Test and analysis procedures for updating math models of Space Shuttle payloads
[NASA-CR-185987] 19 p3110 N91-27181

Model catalytic oxidation studies using supported monometallic and heterobimetallic oxides
[DE91-012144] 20 p3325 N91-28409

Experimental study of growth rate enhancement and structure of compressible turbulent free shear layers
20 p3344 N91-28517

Seismic traveltime inversion in three-dimensional heterogeneous media 20 p3372 N91-28678

Regularization of the Lagrange planetary equations for numerical use 20 p3393 N91-28808

Electron transfer reactions in microporous solids
[DE91-012299] 20 p3398 N91-28833

Stability of annular equilibrium of energetic large orbit ion beam
[DE91-014365] 20 p3419 N91-28963

Transport profiles induced by radially localized modes in tokamak
[DE91-014366] 20 p3420 N91-28964

Exact solutions for a system of nonlinear plasma fluid equations
[DE91-014367] 20 p3420 N91-28965

A portable and independent edge fluctuation diagnostic
[DE91-014357] 20 p3421 N91-28971

Nonlinear dynamics of the relativistic standard map
[DE91-014368] 20 p3421 N91-28972

Steady-state dynamo and current drive in a nonuniform bounded plasma
[DE91-014865] 20 p3421 N91-28974

Stability of drift-wave modons in the presence of temperature gradients
[DE91-014364] 20 p3422 N91-28982

The 2+1 gravity: A new approach
20 p3435 N91-29059

Seasonal air and water mass redistribution and its effect on satellite and polar motion 21 p3462 N91-29202

Measurement of a three-dimensional hypersonic density field using holographic interferometry
21 p3518 N91-29539

Multi-sensor image interpretation using laser radar and thermal images
[AD-A238245] 21 p3524 N91-29576

Analytical calculation of neutral transport and its effect on ions
[DE91-015908] 21 p3577 N91-29896

A mesoscopic linear accelerator driven by superintense subpicosecond laser pulses
[DE91-015941] 21 p3580 N91-29913

Establishment of an Institute for Fusion Studies
[DE91-014922] 21 p3588 N91-29956

Impurity and neutral effects on the dissipative drift wave in tokamak edge plasmas
[DE91-015907] 21 p3589 N91-29965

Dynamic modeling, property investigation, and adaptive controller design of serial robotic manipulators modeled with structural compliance 22 p3685 N91-30520

Laboratory studies of coherent structures in quasi-geostrophic flows 22 p3706 N91-30627

Quantitative RHEED studies of MBE growth of III-V compounds
[AD-A238350] 22 p3759 N91-30956

Peculiar cosmological velocities
22 p3774 N91-31050

The motions of Mars' pole 23 p3940 N91-32019

Hamiltonian chaos and transport in quasigeostrophic flows
[DE91-017385] 24 p4018 N91-32464

Excitation of nonlinear wake field in a plasma for particle acceleration
[DE91-017386] 24 p4106 N91-32945

Kinetic theory of RF current drive and helicity injection
[DE91-017388] 24 p4106 N91-32946

TEXAS UNIV., DALLAS.

Theoretical studies of squeezed-state generation in propagating laser beams
[AD-A227816] 07 p1008 N91-15534

Cardiovascular adjustments to gravitational stress
17 p2818 N91-25574

TEXAS UNIV., EL PASO.

Interdisciplinary investigations in support of project DI-MOD
[NASA-CR-188098] 14 p2298 N91-22703

TEXAS UNIV., GALVESTON.

Investigation of otolith responses using ground based vestibular research facility
[NASA-CR-187877] 09 p1371 N91-17538

Pharmacological sparing of protein in burn injury
[AD-A235026] 18 p3029 N91-26724

TEXAS UNIV., HOUSTON.

Selected problems in experimental intermediate energy physics
[DE91-008910] 14 p2326 N91-22848

TEXAS UNIV., SAN ANTONIO.

A nonlinear viscoelastic approach to durability predictions for polymer based composite structures
[NASA-CR-187653] 05 p0641 N91-13554

Interaction of ionizing radiation, genetically active chemicals, and radiofrequency radiation in human and rodent cells
[AD-A234747] 18 p3021 N91-26677

Analysis of visual loss from retinal lesions
[AD-A235268] 18 p3030 N91-26729

Reexamination of METMAN, recommendations on enhancement of LCVG, and development of new concepts for EMU heat sink 18 p3093 N91-27098

Probabilistic lifetime strength of aerospace materials via computational simulation
[NASA-CR-187178] 21 p3533 N91-29629

TEXAS UNIV. AT DALLAS, RICHARDSON.

The study of pressure measurement techniques and devices in the range of 10(exp -1) to 10(exp -5) torr (2 millipsi to 0.2 micropsi)
[NASA-CR-186926] 03 p0299 N91-11667

Forcing of climate variations by MeV-GeV particles
03 p0446 N91-12490

Proof of the feasibility of coherent and incoherent schemes for pumping a gamma ray laser
[AD-A230897] 13 p2092 N91-21520

The ionospheric signatures, substorm phase relationship, and electrodynamics of rapid subauroral ion drifts 17 p2810 N91-25534

TEXAS UNIV. HEALTH SCIENCE CENTER, DALLAS.

Cardiovascular group 01 p0101 N91-10587

TEXAS UNIV. HEALTH SCIENCE CENTER, HOUSTON.

Hyperbaric Oxygenation (HBO) clinical trials: A review
[AD-A227901] 09 p1371 N91-17533

Altered cartilage differentiation in tibial epiphyseal plates of Cosmos rats 11 p1751 N91-19628

TEXAS UNIV. HEALTH SCIENCE CENTER, SAN ANTONIO.

Glare and age: Acquisition of a clinical data base for aircrew standards
[AD-A229237] 09 p1372 N91-17541

Health maintenance facility: Dental equipment requirements 24 p4077 N91-32777

Dental equipment test during zero-gravity flight
24 p4078 N91-32778

TEXTILE TECHNOLOGIES, INC., HATBORO, PA.

Angular weaving for turbine engine composite components
[AD-A236288] 19 p3106 N91-27161

TEXTRON BELL AEROSPACE CO., BELMONT, CA.

The MESA accelerometer for space application
03 p0431 N91-12413

TEXTRON BELL HELICOPTER, FORT WORTH, TX.

Helicopter structural integrity program (HSIP). Volume 1: Structural test requirements specification
[AD-A226520] 05 p0621 N91-13444

TEXTRON DEFENSE SYSTEMS, WILMINGTON, MA.

Vehicular sources in acoustic propagation experiments
08 p1215 N91-16690

TGV, INC., SANTA CRUZ, CA.

MultiNet TCP/P/IP for VAX/VMS update
18 p3079 N91-27020

Software product description
18 p3081 N91-27037

THE LAND, LAKE BUENA VISTA, FL.

Survival of epiphytic bacteria from seed stored on the Long Duration Exposure Facility (LDEF)
16 p2726 N91-25098

THEORETICAL AND PHYSICAL CHEMISTRY INST., ATHENS (GREECE).

Potential energy surfaces and stability of high energy content excited bound clusters
[AD-A224611] 04 p0580 N91-13232

THERMO ELECTRON TECHNOLOGIES CORP., SAN DIEGO, CA.

Laser diagnostics for plasma turbulence
[DE91-009377] 13 p2158 N91-21899

THERMO-SYSTEMS, INC., SAINT LOUIS, MO.

Testing of a composite thermal structure to insulate the drivers of a large scale blast/thermal simulator
[AD-A234014] 18 p2939 N91-26213

THIOKOL CORP., BRIGHAM CITY, UT.

Flight set 360L007 (STS-33R) field joint protection system, thermal protection system, and systems tunnel components, volume 7
[NASA-CR-184026] 01 p0019 N91-10115

Flight motor set 36OH005 (STS-28R). Volume 5: (Nozzle component)
[NASA-CR-184027] 04 p0494 N91-12746
Space shuttle development Motor No. 9 (DM-9), volume 1
[NASA-CR-184029] 04 p0494 N91-12747
Flight motor set 360L009 (STS-36). Volume 1: System overview
[NASA-CR-184041] 04 p0495 N91-12749
Summary of JAYGO mixing and FSM-1 application of castable inhibitor and liner
[NASA-CR-184030] 05 p0643 N91-13569
Evaluation of Raytek infrared pyrometer for continuous propellant temperature measurement
[NASA-CR-184040] 05 p0643 N91-13570
Tethering sockets and wrenches
[NASA-CR-184032] 05 p0661 N91-13675
Flight Set 360L006 STS-34 field joint protection system, thermal protection system, and systems tunnel components, volume 4
[NASA-CR-184050] 06 p0800 N91-14415
Space shuttle redesigned solid rocket motor Certificate of Qualification (COQ) data report
[NASA-CR-184051] 06 p0800 N91-14416
NOVA 201 ultrasonic thickness gage (NOVA Gage)
[NASA-CR-184031] 06 p0829 N91-14581
Space Shuttle Flight Support Motor no. 1 (FSM-1)
[NASA-CR-184078] 08 p1104 N91-16064
RSRM-13 (360Q013) ballistics mass properties flight designation STS-41
[NASA-CR-184092] 09 p1301 N91-17139
Space Shuttle production verification motor 1 (PV-1) field joint protection system, volume 7
[NASA-CR-184105] 10 p1491 N91-18208
TP-H1148 knitline integrity evaluation
[NASA-CR-184106] 10 p1506 N91-18288
Environmental Data Recorder (EDR) qualification
[NASA-CR-184108] 10 p1527 N91-18406
The full-scale process and design changes for elimination of insulation edge separations and voids in tang flap area
[NASA-CR-184110] 11 p1664 N91-19172
RSRM-11 (36OW011) ballistics mass properties (STS-35)
[NASA-CR-184107] 12 p1858 N91-20203
Flight set 360L007 (STS-33) insulation component. Volume 3: Final release
[NASA-CR-184091] 13 p2042 N91-21230
Flight motor set 360T010 (STS-31R). Volume 1: System overview
[NASA-CR-184104] 13 p2042 N91-21231
RSRM top hat cover simulator lightning test, volume 1
[NASA-CR-184109] 14 p2225 N91-22303
RSRM top hat cover simulator lightning test, volume 2. Appendix A: Resistance measurements. Appendix B: Lightning test data plots
[NASA-CR-184111] 14 p2225 N91-22304
Early focus development effort, ultrasonic inspection of fixed housing metal-to-adhesive bondline
[NASA-CR-184143] 14 p2273 N91-22573
Space aging of solid rocket materials
16 p2719 N91-25058
Follow-on cable coupling lightning test. Volume 2: Appendixes A, B, C, and D
[NASA-CR-184124] 18 p2936 N91-26195
Technical Evaluation Motor No. 7 (TEM-7)
[NASA-CR-184163] 18 p2938 N91-26203
Follow-on cable coupling lightning test. Volume 3: Appendixes E and F
[NASA-CR-184125] 19 p3114 N91-27203
Follow-on cable coupling lightning test, volume 1
[NASA-CR-184123] 20 p3291 N91-28192
Next generation solid boosters
20 p3293 N91-28207
Possible funding strategies 20 p3302 N91-28272
Technical Evaluation Motor No. 7 (TEM-07)
[NASA-CR-184186] 22 p3640 N91-30261
Flight set 360L007 (STS-33R) case and seals, volume 2
[NASA-CR-184184] 22 p3641 N91-30262
Flight motor set 360T004 (STS-30R). Volume 1: System overview
[NASA-CR-184187] 22 p3641 N91-30263
Aft segment dome-to-stiffener factory joint insulation void elimination
[NASA-CR-184185] 22 p3641 N91-30264

THOMAS (DIETER), FUERSTENFELDBRUCK (GERMANY, F.R.).
The art of flying qualities testing
15 p2369 N91-23109

THOMSON AND NIELSEN ELECTRONICS, OTTAWA (ONTARIO).
Advances in SEM beam micro-irradiation
24 p4000 N91-32360

THOMSON COMPOSANTS, ORSAY (FRANCE).
Microwave and millimeter wave components: Performances, perspectives, and applications to avionics
07 p0941 N91-15156

THOMSON COMPOSANTS, SAINT EGREVE (FRANCE).
Specific aspects of advanced components for airborne applications 07 p0940 N91-15155

THOMSON-CSF, BAGNEUX (FRANCE).
Total dose effects on Charge Coupled Devices (CCD) reverse annealing phenomena 24 p3997 N91-32341

THOMSON-CSF, GENNEVILLIERS (FRANCE).
Analysis of experimental results with meteor links carried out at different ranges and frequencies
22 p3659 N91-30368

THOMSON-CSF, MALAKOFF (FRANCE).
The T/R modules for phased-array antennas
07 p0942 N91-15165
Conceptual design of strapdown seekers
07 p1043 N91-15720

THOMSON-CSF, ORSAY (FRANCE).
Special optical fibres and sensors for aeronautics
07 p0942 N91-15167
EQML: A chance for Europe 24 p4004 N91-32383
Which position for MIL-space industry facing QML concept 24 p4004 N91-32386

THOMSON-CSF, PALO ALTO, CA.
Reasoning about real-time systems with temporal interval logic constraints on multi-state automata
12 p1942 N91-20687

THOMSON-CSF, SAINTE EGREVE (FRANCE).
Total quality management: What are the facts behind the concepts? 24 p4004 N91-32385

THOMSON SINTRA ASM (FRANCE).
SQUIDs devices made from high Tc superconductors: Results and perspectives 05 p0724 N91-14044

TINI ALLOY CO., OAKLAND, CA.
Shape-memory alloy tactical feedback actuator, phase 1
[AD-A231389] 15 p2400 N91-23289

TITAN SYSTEMS, INC., PRINCETON, NJ.
Concepts for cavitation alleviation of banded and ducted rotor tips
[AD-A236254] 19 p3101 N91-27135

TOHOKU UNIV., SENDAI (JAPAN).
Standardization program for fracture evaluation of Functionally Gradient Material (FGM) of very high temperature application 03 p0333 N91-11862
Numerical simulations of transonic cascade flow and their visualizations 04 p0454 N91-12538
An implicit time-marching method for the three-dimensional Navier-Stokes equations of contravariant velocity components
04 p0465 N91-12603
Polarization and extinction by aligned grains
06 p0888 N91-14907
Alignment mechanisms of paramagnetic grains revisited 06 p0888 N91-14908
Simulation of excited shear flows
08 p1139 N91-16270
Disturbances of three cometary magnetospheres as explained by an MHD simulation
12 p2006 N91-21039
Development of wire and coil designing for high-magnetic field generation 19 p3249 N91-27972
Numerical simulation of potential-driven ion cyclotron oscillation 20 p3413 N91-28925
Numerical turbulent simulations of unsteady transonic cascade flows 24 p3947 N91-32063
Characteristics of winter lightning currents struck an isolated tower 24 p4047 N91-32607

TOKYO ASTRONOMICAL OBSERVATORY, MITAKA (JAPAN).
Morphological type correlation between nearest neighbor pairs of galaxies 08 p1245 N91-16861
Optical and near-IR imaging observations of comet Austin 1989c1 12 p2001 N91-21015

TOKYO INST. OF TECH. (JAPAN).
Soft x ray emission and diagnosis from fiber pinch and conductive thin film liner compression plasma
19 p3248 N91-27964
Hole dynamics of one-dimensional plasma
20 p3414 N91-28928

TOKYO INST. OF TECH., YOKAHAMA (JAPAN).
Functionally Gradient Materials (FGM) architecture: A new type of ceramic-metal assemblage designed for hot structural components 03 p0328 N91-11826
Experiments toward the development of new pulsed ion diodes 11 p1801 N91-19885
Power plant by LIB fusion 11 p1802 N91-19892
Control of gap closure in applied-B diode
11 p1802 N91-19893

TOKYO MEDICAL AND DENTAL UNIV. (JAPAN).
Studies on the testing method of carbon fiber reinforced plastics: Compression, shear and impact tests
10 p1493 N91-18219

TOKYO METROPOLITAN UNIV. (JAPAN).
Numerical simulation of hydrogen-oxygen chemical reactions in annular combustion chamber
04 p0464 N91-12594
On the parallel processing of Direct Simulation Monte Carlo method 24 p3943 N91-32037

TOKYO NOKO UNIV. (JAPAN).
Active control of vortex shedding frequency by a splitter plate 24 p3946 N91-32059

TOKYO UNIV. (JAPAN).
Numerical analysis of flow in a scramjet engine
04 p0453 N91-12528
Upwind differencing for viscous flow computations
04 p0467 N91-12614
Three-dimensional Navier-Stokes simulation of flow around ATP 04 p0468 N91-12626
Circumnuclear molecular gas in starburst and Seyfert galaxies 05 p0738 N91-14120
Dust formation around M-type stars
06 p0909 N91-15017
The Proceedings of the Symposium on Mechanics for Space Flight 1989
[ISAS-SP-12] 08 p1139 N91-16266
Numerical simulation of pulsatile flows passing through a pipe with sudden expansion 08 p1139 N91-16271
Numerical simulation of a complicated transition-breakdown of vortical flows inside a circular pipe 08 p1140 N91-16273
Wing galaxies: A formation mechanism of the clumpy irregular galaxy Markarian 297 08 p1265 N91-16963
Space research programme of Japan
09 p1432 N91-17884
The University of Tokyo-Norbeyama Radio Observatory submillimeter survey telescope
13 p2181 N91-22051
Proceedings of a French-Japanese Seminar on Composite Materials: Processing, Use and Databases
14 p2238 N91-22380
Are super-hypernuclei found in cosmic rays?
[DE91-772207] 17 p2919 N91-26110
Turbulent dynamo and subgrid-scale modeling of MHD turbulence 20 p3407 N91-28887
Magnetohydrodynamical formation of astrophysical jets from gravitationally collapsing objects
20 p3410 N91-28903
Direct ion heating in MHD relaxation
20 p3411 N91-28911
Soliton phenomena in electron beam plasma
20 p3414 N91-28930
Application of AI to engineering problems
24 p3943 N91-32033

TOKYO UNIV., MITAKE (JAPAN).
Circumnuclear ionized gas in starburst nuclei
05 p0744 N91-14148

TOKYO UNIV., SAGAMIHARA (JAPAN).
Japanese space programmes of IR and sub-mm astronomy 13 p2173 N91-21997
Large-scale (CII) 158 micron emission of the Galaxy observed by a balloon-borne telescope
13 p2174 N91-22004
Antimatter applied for Earth protection from asteroid collision 14 p2205 N91-22181
Numerical study on cut-and-connect of three-dimensional vortex tubes
[ISAS-639] 19 p3162 N91-27482

TOKYO UNIV., TANASHI (JAPAN).
Atmospheric neutrino fluxes
[DE90-508023] 02 p0295 N91-11656
Eigenvalue statistics of distorted random matrices
[DE90-513782] 04 p0576 N91-13203

TOLEDO UNIV., OH.
Fundamental properties and mass loss in hot, near-main sequence stars 01 p0139 N91-10821
Semiempirical studies of atomic structure
[DE90-017653] 02 p0268 N91-11501
A comparison of UV surface brightness and HI surface densities for spiral galaxies 05 p0734 N91-14102
A study of two control methods for full bridge converters: Soft switch bypass and current mode control
[AD-A227136] 06 p0823 N91-14546
Measurements of scattering processes in negative ion-atom collisions
[DE90-010666] 08 p1219 N91-16715
Numerical simulation of rarefied gas flow through nozzles and over submerged bodies 09 p1334 N91-17327
Hubble Space Telescope observations of Mars
11 p1821 N91-20003
A demonstration of CMOS VLSI circuit prototyping in support of the site facility using the 1.2 micron standard cell library developed by National Security Agency
[NASA-CR-188014] 13 p2075 N91-21426
Measurements of scattering processes in negative ion-atom collisions
[DE91-009514] 13 p2150 N91-21849

Nonlinear structural analysis of cylindrical thrust chambers using viscoplastic models
[NASA-CR-185253] 14 p2278 N91-22601
Analysis of damage in MMC components using an internal state variable model 16 p2583 N91-24315
Thermal modeling of a Ni-H2 battery cell
[NASA-CR-188538] 17 p2768 N91-25319
A parallel-pipelined architecture for a multi carrier demodulator
[NASA-CR-188620] 17 p2771 N91-25334
Solution to quasi-axisymmetric internal compressible flows using the stream tube approach
20 p3345 N91-28526

TOME ASSOCIATES LTD., LONDON (ENGLAND).
The role of intelligent online interfaces to bridge the communication gap 17 p2876 N91-25909

TORONTO UNIV., DOWNSVIEW (ONTARIO).
Performance characteristics of hypersonic detonation wave ramjets 15 p2379 N91-23168

TORONTO UNIV. (ONTARIO).
Critical aspects of trajectory prediction: Flight in non-uniform wind 02 p0168 N91-10971
Mesomechanical model for fibre composites
[AD-A226792] 06 p0803 N91-14432
A multi-frequency study of the peculiar interacting system Arp 206 08 p1247 N91-16870
Magnetoplasma sheath waves on a conducting tether in the ionosphere with applications to EMI propagation on large space structures 12 p1949 N91-20723
Thermal-vacuum effects on polymer matrix composite materials 16 p2717 N91-25044
Atomic oxygen erosion of polymer matrix composites
16 p2718 N91-25045
Investigation of the fatigue crack growth characteristics of Ti-17
[DREP-89-32] 22 p3651 N91-30316

TOSHIBA CORP., KAWASAKI (JAPAN).
Wear characteristics of bonded solid film lubricant under high load condition 16 p2641 N91-24616

TOTAL ARMY PERSONNEL AGENCY (PROVISIONAL), ALEXANDRIA, VA.
Hypersonic aerospace vehicle leading edge cooling using heat pipe, transpiration, and film cooling techniques
[AD-A236406] 19 p3112 N91-27194

TOTTORI UNIV. (JAPAN).
Numerical simulation of wing in grand effect 2
04 p0457 N91-12552
Numerical simulation of flow around the aircraft designed to utilize ground effect 04 p0468 N91-12624

TOWSON STATE UNIV., MD.
Study of wavelength division multiplexing as a means of increasing the number of channels in multimode fiber optic communication links 11 p1824 N91-20024
Computer network environment planning and analysis
17 p2882 N91-25934

TOYAMA UNIV. (JAPAN).
High-energy particle acceleration during the implosion driven by 3-dimensional X-type current loop coalescence in solar flares 06 p0916 N91-15048

TOYOTA COLL. OF TECHNOLOGY (JAPAN).
The electric field change caused by a ground flash with multiple channels 24 p4054 N91-32647

TRANSPORT CANADA AVIATION, OTTAWA (ONTARIO).
Automatic Dependent Surveillance (ADS) development in Canada 24 p3956 N91-32104

TRANSPORTATION RESEARCH BOARD, WASHINGTON, DC.
Geotechnical Engineering, 1989
[PB90-222159] 01 p0069 N91-10415
Public-sector aviation issues: Graduate research award papers
[PB91-108415] 09 p1271 N91-16988
Computer-aided design and drafting systems
[PB90-262254] 09 p1383 N91-17604
Geographic information systems, 1990
[PB91-108423] 09 p1422 N91-17828
Global warming: Transportation and energy considerations, 1990
[PB91-118919] 12 p1921 N91-20567
Transportation telecommunications
[PB91-123257] 13 p2069 N91-21399

TRANSPORTATION SYSTEMS CENTER, CAMBRIDGE, MA.
Evaluation of Elber's crack closure model as an explanation of train load sequence effects on crack growth rates
[PB90-268624] 09 p1351 N91-17419

TRANSYLVANIA UNIV., LEXINGTON, KY.
Isothermal thermogravimetric data acquisition analysis system
[NASA-CR-187171] 22 p3727 N91-30743

TRI-UNIV. MESON FACILITY, VANCOUVER (BRITISH COLUMBIA).
A versatile RF cavity mode damper
[DE91-002947] 06 p0821 N91-14534
High intensity neutrino beams at KAON
[DE91-012147] 20 p3398 N91-28830

TRIER UNIV., TRIER-TARFORST (GERMANY, F.R.).
Classification of Thematic Mapping (TM) data as a remote sensing contribution for a hydrological discharge model 04 p0542 N91-13004

TRIESTE UNIV. (ITALY).
Abundances in chemically peculiar and normal A-type stars 09 p1429 N91-17866
Low resolution ultraviolet spectra of Herbig Ae-Be stars 09 p1433 N91-17893
The lambda Boo stars 09 p1435 N91-17906

TROMSOE UNIV. (NORWAY).
On the validity of the weak turbulence approximation
10 p1548 N91-18515

TRONDHEIM UNIV. (NORWAY).
A system analytical and experimental study of gravitropic reactions in plants
[ETN-91-98586] 09 p1370 N91-17532
Vascular gas bubbles or decompression sickness: What is the proper endpoint for evaluating decompression procedures 11 p1744 N91-19590

TRW, INC., REDONDO BEACH, CA.
MHD technology transfer, integration, and review committee
[DE90-017886] 02 p0274 N91-11542
Analog superconductive electronics for avionics
05 p0723 N91-14040
LDEF SP-HVDE (space plasma-high voltage drainage experiment) post-flight data on spacecraft leakage current and discharge 16 p2720 N91-25064

TRW COMPONENTS INTERNATIONAL, INC., TORRANCE, CA.
Parts management for the 1990's
24 p4002 N91-32375

TRW DEFENSE AND SPACE SYSTEMS GROUP, REDONDO BEACH, CA.
Modeling of HF propagation and heating in the ionosphere 10 p1549 N91-18522
High vacuum facility for hydrazine thruster testing
11 p1658 N91-19134
Space simulation test for thermal control materials
11 p1661 N91-19149

TRW DEFENSE SYSTEMS GROUP, HOUSTON, TX.
Payload accommodations. Satellite servicing support
09 p1282 N91-17047

TRW SPACE AND DEFENSE SECTOR, REDONDO BEACH, CA.
LEO space environmental effects: TRW LDEF experimental trays 16 p2714 N91-25024

TRW SPACE TECHNOLOGY LABS., REDONDO BEACH, CA.
Multipurpose hardened spacecraft insulation
11 p1658 N91-19136
In-Space technology experiments program. A high efficiency thermal interface (using condensation heat transfer) between a 2-phase fluid loop and heatpipe radiator: Experiment definition phase
[NASA-CR-186869] 15 p2421 N91-23408
Monopropellant hydrazine spacecraft propulsion systems: 30 years of safe, reliable, flexible and predictable performance 16 p2574 N91-24268
Harmonic drive gear error: Characterization and compensation for precision pointing and tracking
16 p2641 N91-24620
Nonlinear optics technology. Volume 1: Solid state laser technology, phase 3
[AD-A233533] 16 p2690 N91-24891
Nonlinear optics technology. Volume 2: Phase conjugated optical communication link, phase 3
[AD-A233534] 17 p2863 N91-25835
Basic research on flame radiation
[PB91-182980] 19 p3128 N91-27282
Historical problem areas lessons learned
20 p3298 N91-28242
Initiation and modification of reaction by energy addition: Kinetic and transport phenomena
[AD-A229591] 22 p3646 N91-30293
Phased array components for the High Temperature Superconducting Space Experiment (HTSSE)
[AD-A239361] 23 p3862 N91-31535

TSI MASON RESEARCH INST., WORCESTER, MA.
Surface-bound alkyl monolayers: Electrochemical and structural characterization
[AD-A237604] 22 p3647 N91-30297
Surface-bound biomembranes incorporating receptors: Electrochemical and structural characterization
[AD-A237605] 22 p3647 N91-30298
Evaluation of surface-bound membranes with electrochemical impedance spectroscopy
[AD-A237606] 22 p3647 N91-30299

TSUKUBA SPACE CENTER, IBARAGI (JAPAN).
Management and operation of environmental test facility complex 07 p0951 N91-15225
Thirteen meter diameter space simulation test facility
07 p0952 N91-15228
Sixteen hundred cubic meter acoustic test facility
07 p0952 N91-15229
An antenna-pointing mechanism for the ETS-6 K-band Single Access (KSA) antenna 16 p2640 N91-24609

TSUKUBA UNIV., IBARAKI (JAPAN).
Effect of inclination angle on heat transfer characteristics of closed two-phase thermosyphon
08 p1140 N91-16278

TSUKUBA UNIV. (JAPAN).
The accuracy of direct numerical simulation of wall turbulent flow and the numerical prediction on the effect of drag reducing devices 04 p0464 N91-12598
Mode conversion of Alfven waves induced by quadrupole magnetic field modulation 20 p3413 N91-28924

TUBESONICS INTERNATIONAL, INC., NORMAN, OK.
Develop operating prototype ultrasonic system by updating engineering prototype
[DE90-017620] 04 p0533 N91-12957

TUEBINGEN UNIV. (GERMANY, F.R.).
Type 2 solar radio bursts recorded at Weissenau, 1966-1987
[PB90-198334] 02 p0294 N91-11648
The 1987 outburst of the recurrent nova V394 Coronae Austrinae 09 p1442 N91-17947
Scientific highlights of the ORFEUS 1M-EUV/FUV-telescope 09 p1446 N91-17974
Regeneration and characterization of protoplast-derived cell lines from Digitalis lanata EHRH. and Digitalis purpurea L. suspension cultures after electrofusion under microgravity conditions 11 p1755 N91-19652

TUFTS UNIV., MEDFORD, MA.
Phase techniques for imaging and recognition
[AD-A226233] 04 p0583 N91-13250
The tunneling boundary condition for the wave function of the universe 07 p1084 N91-15961
Graviton effects in vacuum maximally symmetric spaces 08 p1266 N91-16971
Simultaneous Solar Maximum Mission (SMM) and Very Large Array (VLA) observations of solar active regions
[NASA-CR-187907] 10 p1617 N91-18916
Photorefractive nonlinear optics
[AD-A233468] 16 p2690 N91-24890
Strings matter: Dynamics and evolution of cosmic string networks in flat spacetime 17 p2890 N91-25978
Electrocatalytic study of ammonia synthesis and methane dimerization in high temperature solid electrolyte cells
[DE91-009797] 18 p2952 N91-26289
Electrocatalytic study of ammonia synthesis and methane dimerization in high temperature solid electrolyte cells
[DE90-012496] 21 p3502 N91-29437
High energy physics at Tufts University
[DE91-015055] 21 p3579 N91-29908

TULANE UNIV., NEW ORLEANS, LA.
Free radicals of biochemical importance, attachments 1, 2, 3
[AD-A231821] 14 p2243 N91-22408
The 6th Workshop on the Mathematical Foundations of Programming Semantics
[AD-A237754] 21 p3556 N91-29760

TURBULENCE PREDICTION SYSTEMS, BOULDER, CO.
Ramifications of the recent FAA rule for windshear systems on the development of forward-looking systems
03 p0303 N91-11691
Status of turbulence Prediction System's AWAS 3
16 p2552 N91-24146

TURKISH AEROSPACE INDUSTRIES, ANKARA.
Computational turbulence studies in Turkey
24 p4015 N91-32449

TURKU UNIV. (FINLAND).
Merging galaxies and black hole ejections
08 p1258 N91-16929

TUSKEGEE INST., AL.
Effect of biweekly shoot tip harvests on the growth and yield of Georgia Jet sweet potato grown hydroponically
19 p3266 N91-28065
Effect of channel size on sweet potato storage root enlargement in the Tuskegee University hydroponic nutrient film system 19 p3266 N91-28066
Electrode erosion in low power arcjet thrusters
19 p3273 N91-28107
Effect of grinding on the fatigue life of titanium alloy (5 Al-2.5 Sn) under dry and wet conditions
19 p3276 N91-28121
Low energy sputtering of cobalt by cesium ions
19 p3277 N91-28124
Sweet potato for closed ecological life support systems using the nutrient film technique
23 p3902 N91-31782

U

UDINE UNIV. (ITALY).
Pedalling in space to simulate gravity: The twin-bike system 11 p1743 N91-19583
ULTRAMET, PACOIMA, CA.
Hydrogen storage in metal hydrides
[AD-A228150] 08 p1111 N91-16103
ULTRASYSTEMS DEFENSE AND SPACE SYSTEMS, INC., IRVINE, CA.
Heterocycles based on group 3, 4, and 5 elements: Precursors for novel glasses and ceramics
[AD-A226988] 06 p0812 N91-14487
Boron nitride and its precursors
[AD-A233538] 16 p2607 N91-24446
UMWELTBUNDESAMT, BERLIN (GERMANY, F.R.).
Proceedings of 2nd US/FRG Workshop on Photochemical Ozone Problem and its Control
[PB91-211847] 24 p4042 N91-32583
UNIFORMED SERVICES UNIV. OF THE HEALTH SCIENCES, BETHESDA, MD.
Molecular studies of cytokine induction
[AD-A232221] 15 p2475 N91-23707
Molecular studies of cytokine induction
[AD-A235326] 18 p3030 N91-26731
UNION CARBIDE CORP., SOUTH CHARLESTON, WV.
Optimum catalytic process for alcohol fuels from syngas
[DE91-000985] 04 p0511 N91-12843
Direct conversion of methane to C2's and liquid fuels
[DE91-005872] 09 p1320 N91-17249
Direct conversion of methane to C2's and liquid fuels
[DE91-005868] 10 p1506 N91-18290
Direct conversion of methane to C2's
[DE91-005730] 11 p1678 N91-19251
Direct conversion of methane to C2's and liquid fuels
[DE91-005729] 11 p1690 N91-19313
Direct conversion of methane to C2's and liquid fuels
[DE91-007545] 11 p1691 N91-19318
UNION CARBIDE CORP., TARRYTOWN, NY.
Oxygen enriched combustion system performance study, volume 4, phase 1
[DE90-011477] 09 p1306 N91-17164
UNISYS CORP., HOUSTON, TX.
A practical approach to object based requirements analysis 01 p0106 N91-10615
UNISYS CORP., HUNTSVILLE, AL.
Improved NASTRAN plotting 12 p1911 N91-20507
Online NASTRAN documentation 12 p1911 N91-20508
UNISYS CORP., LANHAM, MD.
A comparison of the specifications for standard Electrical, Electronic and Electromechanical (EEE) parts used by the National Aeronautics and Space Admininstration (NASA) and the European Space Agency (ESA): Towards common specifications 24 p4005 N91-32391
UNISYS CORP., RESTON, VA.
Software Technology for Adaptable, Reliable Systems (STARS). Reusability library (RLF) AdaTAU software user's manual
[AD-A229221] 10 p1569 N91-18628
Software Technology for Adaptable, Reliable Systems (STARS), UR60-IRIS-Ada toolset. User's guide (draft)
[AD-A234445] 18 p3040 N91-26783
Reusability Library Framework (RLF)
[AD-A229308] 22 p3724 N91-30725
UR40: Repository integration librarian software (user's manual), volume 1
[AD-A229313] 22 p3724 N91-30726
Software Technology for Adaptable, Reliable Systems (STARS)
[AD-A229349] 22 p3724 N91-30727
Software Technology for Adaptable, Reliable Systems (STARS)
[AD-A229350] 22 p3724 N91-30728
Software Technology for Adaptable, Reliable Systems (STARS) (user manual). Ada Command Environment (ACE) version 8.0 SunOS implementation
[AD-A229400] 22 p3725 N91-30729
UNITED AIR LINES, INC., DENVER, CO.
The 11 July 1988 Denver windshear encounters 03 p0303 N91-11688
UNITED INTERNATIONAL ENGINEERING, INC., ALBUQUERQUE, NM.
Hardening surveillance illumination using aircraft antennas
[AD-A225143] 03 p0356 N91-11992
UNITED KINGDOM ATOMIC ENERGY AUTHORITY, ABINGDON (ENGLAND).
Investigations into the damage for various types of unprotected carbon fibre composites with a variety of lightning arc attachments 24 p4047 N91-32606
The electromagnetic environment in CFC structures 24 p4052 N91-32638
A new approach to equipment testing 24 p4053 N91-32639
Lightning protection design and testing of an all composite wet wing for the Egrett 24 p4053 N91-32642
UNITED KINGDOM ATOMIC ENERGY AUTHORITY, CULHAM (ENGLAND).
Issues in direct numerical simulation of plasma turbulence and transport 20 p3410 N91-28901
Measurements of some parameters of thermal sparks with respect to their ability to ignite aviation fuel/air mixtures 24 p4064 N91-32705
The new Section 23 of DO160C/ED14C lightning testing of externally mounted electrical equipment 24 p4066 N91-32716
UNITED KINGDOM ATOMIC ENERGY AUTHORITY, HARWELL (ENGLAND).
Environmental degradation of macro defect free cements. 1: Mechanical properties investigation
[AERE-R-13354-1] 01 p0028 N91-10169
The current status and future prospects of smart composites 03 p0334 N91-11874
A review of theoretical and experimental work on the structure of Ge(x)Si(1-x) strained layers and superlattices with extensive bibliography
[AERE-R-13657] 14 p2329 N91-22870
UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION, PARIS (FRANCE).
Proceedings of the 5th Planning Meeting on World Climate Programme-Water
[WCAP-11] 12 p1924 N91-20590
UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION, VIENNA (AUSTRIA).
Guidelines for setting up data bases on medicinal plants
[PB91-137851] 17 p2884 N91-25944
New materials for electronic and solar devices
[PB91-192039] 22 p3699 N91-30596
UNITED SPACE BOOSTERS, INC., HUNTSVILLE, AL.
NDE of thermal protection system for space shuttle solid rocket booster 16 p2568 N91-24234
UNITED STATES-JAPAN TASK FORCE ON SCIENTIFIC AND TECHNICAL INFORMATION.
US-Japan task force on scientific and technical information
[PB90-237561] 09 p1421 N91-17820
Japan-US Liaison Group on Joint Databases Development
[PB91-214056] 24 p4116 N91-33006
UNITED STATES MAN AND THE BIOSPHERE PROGRAM, WASHINGTON, DC.
Bibliography on the international network of biosphere reserves
[PB90-215518] 13 p2107 N91-21600
UNITED TECHNOLOGIES CORP., EAST HARTFORD, CT.
Investigation of laser diagnostics of PACVD processes for depositing hard face coatings
[DE91-012642] 20 p3324 N91-28401
Method for stabilizing thick honeycomb core composite articles
[PATENT-1-253-424] 23 p3805 N91-31224
UNITED TECHNOLOGIES CORP., SAN JOSE, CA.
Hybrid propulsion technology program 16 p2571 N91-24247
Development of the ORBUS(R) 1 carbon fiber/epoxy motor case for the STARS/STARBIRD programs 16 p2576 N91-24277
Shear stress transducer concepts 16 p2577 N91-24283
Normal stress transducer behavior 16 p2577 N91-24284
UNITED TECHNOLOGIES CORP., WEST PALM BEACH, FL.
Mechanical component diagnostic system
[AD-A232126] 15 p2375 N91-23146
UNITED TECHNOLOGIES RESEARCH CENTER, EAST HARTFORD, CT.
Interfacial studies of whisker and coated fiber reinforced ceramic matrix composites
[AD-A226020] 04 p0497 N91-12761
Investigation of particulate formation during diesel spray combustion
[DE90-017871] 04 p0502 N91-12786
Advanced structural instrumentation, volume 1
[AD-A227226] 08 p1149 N91-16328
Advanced structural instrumentation, volume 2
[AD-A227473] 08 p1149 N91-16330
Turnable blue-green LIDAR transmitter demonstration: Injection laser technology
[AD-A228425] 09 p1340 N91-17362
Characterization of composite high temperature superconductors for magnetic bearing applications
[DE91-006552] 09 p1417 N91-17800
Extreme temperature strain measurement system
[AD-A229802] 12 p1914 N91-20526
Development of optical fibers with embedded gratings for sensor and signal processing applications
[AD-A229971] 12 p1980 N91-20894
Theoretical investigation leading to energy storage in atomic and molecular systems
[AD-A231275] 13 p2151 N91-21858
A study of the critical factors controlling the synthesis of ceramic matrix composites from preceramic polymers
[AD-A232686] 15 p2407 N91-23327
Unified aeroacoustics analysis for high speed turboprop aerodynamics and noise. Volume 2: Development of theory for wing shielding
[NASA-CR-185192] 15 p2500 N91-23849
Notched fatigue of single crystal PWA 1480 at turbine attachment temperatures 16 p2582 N91-24310
Investigation of hot streak migration and film cooling effects on the heat transfer in rotor/stator interacting flows
[AD-A235420] 18 p2926 N91-26145
Interfacial studies of refractory glass-ceramic matrix/advanced SiC fiber reinforced composites
[AD-A236212] 19 p3120 N91-27235
Hydrogen-fueled scramjet investigation
[AD-A237569] 21 p3459 N91-29183
Investigation of particulate formation during diesel spray combustion
[DE90-008282] 21 p3472 N91-29255
Experimental and analytical study of rippled trailing edge airfoils for compressor application
[AD-A237425] 21 p3513 N91-29508
UNIVERSAL ENERGY SYSTEMS, INC., DAYTON, OH.
Research in flight dynamics
[AD-A226123] 04 p0471 N91-12639
Engineering design with decision support: An application of goal decomposition
[AD-A226730] 06 p0865 N91-14782
Computation of viscous shock/shock hypersonic interactions with an implicit flux split scheme
[AD-A232405] 15 p2366 N91-23093
Counterdoped high temperature, silicon array infrared detector
[AD-A238483] 21 p3519 N91-29546
UNIVERSAL SENSORS, INC., METAIRIE, LA.
A protein coated piezoelectric crystal detector
[AD-A223848] 02 p0276 N91-11552
UNIVERSAL TECHNOLOGY CORP., DAYTON, OH.
Ground environment characterization of STOVL fighter propulsion systems
[AD-A225372] 03 p0314 N91-11756
UNIVERSIDAD AUTONOMA DE PUEBLA (MEXICO).
A statistical study of merging galaxies: Theory and observations 08 p1258 N91-16931
A dynamical proximity analysis of interacting galaxy pairs 08 p1259 N91-16937
UNIVERSIDAD COMPLUTENSE, MADRID (SPAIN).
Multiwavelength monitoring of the Seyfert 1 galaxy NGC 4593 09 p1445 N91-17966
UNIVERSIDAD DE LOS ANDES, MERIDA (VENEZUELA).
Linear stability and MHD wave propagation in plasmas with solar abundances 06 p0917 N91-15056
On the thermal stability of slabs, cylinders, and spheres 06 p0917 N91-15057
UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO, COYOACAN.
Space physics research in Mexico 07 p0948 N91-15205
UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO, ENSENADA.
Three-micron spectroscopy of highly reddened field stars 06 p0888 N91-14904
UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO, MEXICO CITY.
On the use of scientific satellite data by the Mexican astronomical community 07 p0948 N91-15204
UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO, VILLA OBREGON.
VLA observations of ammonia in Herbig-Haro 1-2 10 p1622 N91-18949
UNIVERSIDAD NACIONAL DE CORDOBA (ARGENTINA).
Charge transfer during individual collisions in ice growing by riming 24 p4068 N91-32727
UNIVERSIDAD POLITECNICA DE MADRID (SPAIN).
Proceedings of the NATO advance research workshop. The Global Geometry of Turbulence: Impact of Nonlinear Dynamics, Abstracts and Technical Program
[AD-A225448] 04 p0522 N91-12903
Electrical behavior on n-type dopants in AlGaAs alloys: Shallow levels and DX centers
[AD-A229957] 12 p1986 N91-20926
UNIVERSIDADE FEDERAL DE PARAIBA (BRAZIL).
Inhomogeneous two-fluid cosmologies with electromagnetic field
[DE90-634868] 03 p0425 N91-12383

UNIVERSIDADE FEDERAL DO RIO GRANDE DO NORTE, NATAL (BRAZIL).
Inhomogeneous two-fluid cosmologies with electromagnetic field
[DE90-634868] 03 p0425 N91-12383
UNIVERSITAET DER BUNDESWEHR, HAMBURG (GERMANY, F.R.).
Integration of model and knowledge based diagnosis, with the example of a turbojet engine
[ETN-90-97900] 02 p0181 N91-11019
Algorithm aided evaluation of directional signals
[ETN-90-97902] 02 p0203 N91-11138
Evaluation process for the examination of curved surface workpieces using coordinate measuring instruments
[ETN-90-97901] 02 p0215 N91-11203
Contributions to the sound location in the atmosphere
[ETN-90-97863] 02 p0266 N91-11490
UNIVERSITAET DER BUNDESWEHR MUENCHEN, NEUBIBERG (GERMANY, F.R.).
Modeling and coding in aeronautical satellite channel
[ETN-90-97899] 02 p0203 N91-11137
A vortex lattice method for the calculation of interference effects between wings and free vortex sheets in subsonic flow
[ETN-90-98196] 04 p0472 N91-12646
Theoretical and experimental examinations of transition behavior of the profile boundary layer at compressor and turbine grids
[ETN-91-98559] 08 p1146 N91-16312
Response of a solidly rotating amphora-type liquid column to axial excitation
[LRT-WE-9-FB-06(1990)] 11 p1704 N91-19386
Experimental studies on a nonlinear hydroelastic vibration of circular cylindrical tanks
[LRT-WE-9-FB-10(1990)] 11 p1704 N91-19387
Liquid sloshing response in a spinning container due to pitching excitation
[LRT-WE-9-FB-11(1990)] 11 p1704 N91-19388
Response of a differently axially excited viscous liquid layer in zero-gravity
[LRT-WE-9-FB-12(1990)] 11 p1705 N91-19389
Response of a viscous liquid layer to pitch- and roll-excitation in zero-gravity environment
[LRT-WE-9-FB-13(1990)] 11 p1705 N91-19390
Axial response of an amphora-type liquid column
[LRT-WE-9-FB-2(1990)] 14 p2265 N91-22530
Natural frequencies of a spinning amphora-type liquid column
[LRT-WE-9-FB-5(1990)] 14 p2265 N91-22531
Response of a viscous liquid layer around a center-core axial excitation in zero-gravity
[LRT-WE-9-FB-9(1990)] 14 p2265 N91-22532
Linear bending of curved tubes without boundary influence
[ETN-91-99255] 15 p2447 N91-23552
Knowledge-based cockpit assistant for IFR operations
17 p2732 N91-25125
Response of an annular cylindrical liquid column to various axial excitations in zero-gravity
[LRT-WE-9-FB-7(1990)] 19 p3162 N91-27481
UNIVERSITAETS-STERNWARTE, JENA (GERMAN D.R.).
Steps toward interstellar silicate dust mineralogy
06 p0903 N91-14991
Size distribution of dust grains: A problem of self-similarity 06 p0904 N91-14997
UNIVERSITE CATHOLIQUE DE LOUVAIN (BELGIUM).
Aircraft dynamics for air traffic control
02 p0173 N91-10985
Symbolic generation of aircraft simulation programmes
07 p1044 N91-15727
Propagation limitations for transionospheric systems from 10 to 300 GHz 24 p3982 N91-32243
UNIVERSITE DES SCIENCES ET TECHNIQUES DE LILLE (FRANCE).
Using satellite remote sensing imagery for marginal ice zone research in the ARCTEMIZ project
15 p2454 N91-23600
Aerosol sensing from balloons using photopolarimetry
24 p4034 N91-32538
UNIVERSITE DES SCIENCES ET TECHNIQUES DU LANGUEDOC, MONTPELLIER (FRANCE).
Space radiation effects on power MOSFET: Threshold-voltage shift with dose rate
24 p4001 N91-32363
Laser heated calcium sulfate TLD plates: Application to radiation mapping 24 p4001 N91-32364
UNIVERSITEIT TWENTE, ENSCHEDE (NETHERLANDS).
Dynamics of gas bubbles moving through liquid
[ETN-90-97760] 01 p0043 N91-10255
Laser Doppler velocimetry using diode lasers
[ISBN-90-9002803-X] 01 p0048 N91-10285
Elastohydrodynamic lubrication: A dynamic variation method
[ISBN-90-9003079-4] 01 p0049 N91-10290
The numerical simulation of nonlinear gravity waves in three dimensions using a higher order panel method
[ISBN-90-9002667-23] 01 p0073 N91-10443
Models of the human observer and controller of a dynamic system
[ETN-90-97759] 01 p0103 N91-10597
Test case derivation from LOTOS specifications
[MEMO-INF-90-21] 01 p0110 N91-10643
An introduction to ultrafunctions
[MEMO-841] 01 p0115 N91-10672
Approximation and geometric modeling with simplex B-splines associated with irregular triangles
[MEMO-842] 01 p0115 N91-10673
Symmetries of the three body problem
[MEMO-843] 01 p0115 N91-10674
A Markov renewal approach to an apportunistic replacement model in continuous time
[MEMO-844] 01 p0115 N91-10675
Long cycles, degree sums, and neighborhood unions
[MEMO-851] 01 p0115 N91-10676
Chebyshev approximation by spline functions with free knots
[MEMO-853] 01 p0115 N91-10677
Generating all 3-connected 4-regular planar graphs from the octahedron graph
[MEMO-854] 01 p0115 N91-10678
On Baecklund transformations and identities in bilinear form
[MEMO-856] 01 p0116 N91-10681
A remark on the convexity of piecewise polynomial functions on triangulations
[MEMO-857] 01 p0116 N91-10682
The difference of two renewal processes: Level crossing and the infimum
[MEMO-845] 01 p0117 N91-10690
The core and the tau-value for cooperative games with coalition structures
[MEMO-848] 01 p0117 N91-10692
About antiferromagnetic Heisenberg models
[ETN-90-97768] 01 p0133 N91-10784
Projective scales against high temperature corrosion
[ETN-90-97770] 02 p0199 N91-11116
Gas-liquid contacting at elevated pressures
[ETN-90-97773] 02 p0214 N91-11196
Pulse evolution in multi-atmosphere CO2 lasers
[ETN-90-97765] 02 p0216 N91-11210
Decomposition of the n-cube into paths
[MEMO-855] 02 p0262 N91-11468
Interpolation of scattered data by a bivariate convex function. Part 1: Piecewise linear C sup 0-interpolation
[MEMO-858-PT-1] 02 p0263 N91-11469
On dominating and spanning circuits in graphs
[MEMO-859] 02 p0263 N91-11470
Stability of supported liquid membranes
[ISBN-90-90031-32-4] 03 p0338 N91-11897
Microfiltration: Membrane development and module design
[ISBN-90-9002843-9] 03 p0349 N91-11949
CMOS multiple-valued logic circuits
[ISBN-90-9002692-4] 03 p0360 N91-12014
Measurements on concentration waves in bubbly liquids
[ISBN-90-9003146-4] 03 p0365 N91-12044
CISLAN architecture: First cycle
[MEMO-INF-90-19] 03 p0398 N91-12211
Three-dimensional body parameter estimation from digital images
[ISBN-90-9002738-6] 03 p0402 N91-12234
Data and knowledge base management systems: Data model and query processing
[ISBN-90-9003107-3] 03 p0402 N91-12235
The use of functional programming in software development
[ISBN-90-9002729-7] 03 p0402 N91-12236
Distributed transitive closure computations: The disconnected set approach
[MEMO-INF-89-12] 03 p0405 N91-12254
Key concepts and their interdependencies in the modelling language of MADIS
[MEMO-INF-89-72] 03 p0405 N91-12255
Specification styles in distributed systems design and verification
[MEMO-INF-90-06] 03 p0405 N91-12256
Compiler generation based on grammar inheritance
[MEMO-INF-90-07] 03 p0405 N91-12257
Meta-parsing in neural networks
[MEMO-INF-90-08-REV] 03 p0405 N91-12258
Conversion of resolution proofs into natural deduction proofs
[MEMO-INF-90-11] 03 p0405 N91-12259
A first order logic for partial functions by means of notational conventions
[MEMO-INF-90-12] 03 p0405 N91-12260
A case study in transformational programming: The design of a rank order filter
[MEMO-INF-90-18] 03 p0406 N91-12261
Elementary structures of non-atomic events
[MEMO-INF-89-65] 03 p0412 N91-12303
Signal detection and interpretation in scanning optical microscopy
[ISBN-90-9002791-2] 03 p0418 N91-12340
A contribution to the understanding of ac losses in composite superconductors
[ISBN-90-9002966-4] 03 p0424 N91-12374
Scheduling jobs on parallel machines, each with a unit-capacity buffer
[MEMO-837] 04 p0568 N91-13153
Modeling and feedback control of a flexible arm for prescribed frequency-domain tolerances
[MEMO-868] 04 p0571 N91-13167
Semi-infinite optimization: Structure and stability of the feasible stability
[MEMO-838] 04 p0574 N91-13191
Some order dimension bounds for communication complexity problems
[MEMO-839] 04 p0574 N91-13192
On random interval graphs and the maximum throughput rate in the system GI/G/1/0
[MEMO-840] 04 p0575 N91-13193
On discrete simplex splines and subdivision
[MEMO-860] 04 p0575 N91-13194
A nonregular solution on the nonlinear dynamic disturbance decoupling problem with an application to a complete solution of the nonlinear model matching problem
[MEMO-862] 04 p0575 N91-13195
On learnability of monotone DNF functions under uniform distribution
[MEMO-863] 04 p0575 N91-13196
A closure concept based on degree-sums of independent triples
[MEMO-864] 04 p0575 N91-13197
Constructing bivariate simplicial spline spaces of class C sup 1
[MEMO-870] 04 p0575 N91-13198
The likelihood ratio for multi dimensional Gauss-Markov random fields
[MEMO-861] 04 p0577 N91-13212
Estimation of expectations and covariance matrices with linear structure
[MEMO-866] 04 p0577 N91-13213
Factorization of nonlinear systems
[MEMO-867] 04 p0577 N91-13214
Algorithms for finding an optimal matching between a given string and a string generated by a regular grammar
[MEMO-836] 05 p0701 N91-13905
Direct modeling of white noise in stochastic systems
[MEMO-865] 05 p0711 N91-13964
Signalling in the B-ISDN: A survey of the state-of-the-art
[MEMO-INF-90-35] 10 p1514 N91-18337
Transmission of compressed video
[MEMO-INF-90-47] 10 p1515 N91-18338
Qualitative, mathematical analysis of the Richards' equation
[MATHS-MEMO-894] 10 p1525 N91-18396
ATM multicast connections using the Gauss switch
[MEMO-INF-90-53] 10 p1566 N91-18611
Buffer cache design of the TUMULT filesystem
[MEMO-INF-90-65] 10 p1566 N91-18612
An attributed ELL(1)-parser generator
[MEMO-INF-90-23] 10 p1570 N91-18634
Decomposition of functionality: A correctness preserving LOTOS transformation
[MEMO-INF-90-27] 10 p1570 N91-18635
Extending the semantics of subtyping, accommodating database maintenance operations
[MEMO-INF-90-29] 10 p1570 N91-18636
FDTs for open distributed systems, a retrospective and a prospective view
[MEMO-INF-90-33] 10 p1570 N91-18637
Report on LOTOSPHERE after one year
[MEMO-INF-90-48] 10 p1571 N91-18638
Step-wise refinement design example using LOTOS
[MEMO-INF-90-55] 10 p1571 N91-18639
Optimizing the controlpath output function of instruction set processors
[MEMO-INF-90-57] 10 p1571 N91-18640
Fault tolerant computing with transputers and OCCAM
[MEMO-INF-90-59] 10 p1571 N91-18641
Generic service and protocol structures
[MEMO-INF-90-61] 10 p1571 N91-18642
Overview of the LOTOSPHERE design methodology
[MEMO-INF-90-64] 10 p1571 N91-18643
A cutting-plane approach to the edge-weighted maximal clique problem
[MATHS-MEMO-874] 10 p1572 N91-18644
Knowledge graphs versus conceptual graphs
[MATHS-MEMO-876] 10 p1572 N91-18645

Three dimensional reconstruction of closed objects by piecewise cubic triangular Bezier patches
[MATHS-MEMO-885] 10 p1572 N91-18646

Distributed data bases: Parallelism and complex objects
[MEMO-INF-90-22] 10 p1576 N91-18675

Formal description techniques for distributed computing systems, the challenges for the 1990's
[MEMO-INF-90-31] 10 p1577 N91-18676

A high-speed slotted ring access mechanism with dynamically adaptive slot sizes
[MEMO-INF-90-36] 10 p1577 N91-18677

Parallel incremental attribute evaluation
[MEMO-INF-90-42] 10 p1577 N91-18678

Three-phase parallel join model
[MEMO-INF-90-49] 10 p1577 N91-18679

Performance analysis of generic system architectures
[MEMO-INF-90-51] 10 p1577 N91-18680

Simulation models of the generic system architectures
[MEMO-INF-90-52] 10 p1577 N91-18681

Communication issues for parallel systems
[MEMO-INF-90-54] 10 p1577 N91-18682

Static allocation of process replicas in fault tolerant computing systems
[MEMO-INF-90-58] 10 p1578 N91-18683

On a state space approach to nonlinear H sub infinity control
[MATHS-MEMO-878] 10 p1578 N91-18687

On the Hamilton-Jacobi equation of nonlinear H sub infinity optimal control
[MATHS-MEMO-895] 10 p1578 N91-18688

A Fibonacci-like iterated nonlinear map or order from chaos in the region of the tiny tornados
[MEMO-INF-90-10] 10 p1580 N91-18696

Attribute evaluation: Non-incremental and incremental
[MEMO-INF-90-28] 10 p1580 N91-18697

On the expressiveness of equational type logic
[MEMO-INF-90-39] 10 p1580 N91-18698

An algebra of generalized functions on a C sup infinity manifold
[MATHS-MEMO-873] 10 p1580 N91-18699

On the rate of convergence of particular approximate solutions of elliptic boundary and eigenvalue problems on regions with corners
[MATHS-MEMO-879] 10 p1580 N91-18700

Modular substructures in pseudomodular lattices
[MATHS-MEMO-887] 10 p1581 N91-18701

Geometrically smooth interpolation by triangular Bernstein-Bezier patches with coalescent control points
[MATHS-MEMO-888] 10 p1581 N91-18702

Subdividing multivariate polynomials over simplices in Bernstein-Bezier form without de Casteljau algorithm
[MATHS-MEMO-889] 10 p1581 N91-18703

Nonlocal symmetries and recursion operator of the Landau-Lifshitz equation
[MATHS-MEMO-891] 10 p1581 N91-18704

Transformations of nonlinear systems into input-output prime form
[MATHS-MEMO-896] 10 p1581 N91-18705

The Lie-Baecklund algebra for the generalized Hilbert-Cartan equation
[MATHS-MEMO-897] 10 p1581 N91-18706

Computational complexity of some maximum average weight problems with precedence constraints
[MATHS-MEMO-899] 10 p1581 N91-18707

Simulation of failure prone token rings using fault injection simulation
[MEMO-INF-90-44] 10 p1586 N91-18744

Multivariate divided differences. 1: Basic properties
[MATHS-MEMO-875-1] 10 p1586 N91-18745

Using dynamic queueing networks for performability modelling
[MEMO-INF-90-25] 10 p1588 N91-18754

DyQNtool: A performability modelling tool based on the dynamic queuing network concept
[MEMO-INF-90-26] 10 p1588 N91-18755

Non-atomic events and event hierarchies
[MEMO-INF-90-63] 10 p1588 N91-18756

Queueing analysis of a generalized slotted-ring model
[MATHS-MEMO-900] 10 p1589 N91-18757

On the design and formal specification of a transaction processing protocol
[MEMO-INF-90-66] 14 p2302 N91-22717

CISLAN architecture second cycle
[MEMO-INF-90-67] 14 p2302 N91-22718

Cross-fertilization of Earley and Tomita
[MEMO-INF-90-69] 14 p2308 N91-22755

New constructs for the description of combinatorial optimization in algebraic modeling languages
[MEMO-901] 14 p2309 N91-22756

Algebraic languages for mathematical programming
[MEMO-902] 14 p2309 N91-22757

An identification perspective on robustness issues in adaptive pole assignment
[MEMO-904] 14 p2318 N91-22800

Principles of optimal control theory
[MEMO-908] 14 p2318 N91-22801

A note on K(sub 4)-closures in Hamiltonian graph theory
[MEMO-903] 14 p2319 N91-22806

Duality for linear systems: External and state space characterization of the adjoint system
[MEMO-906] 14 p2319 N91-22807

Asymptotically optimal rank tests for multi-factor experimental design problems with respect to a location parameter and a scale parameter
[MEMO-907] 14 p2319 N91-22808

How to solve explicity a Thue-Mahler equation
[MEMO-905] 14 p2320 N91-22813

Proposal for an AAL service definition
[MEMO-INF-90-89] 22 p3665 N91-30408

A high-speed slotted ring access mechanism with dynamically adaptive slot sizes
[MEMO-INF-91-21] 22 p3666 N91-30409

Numerical definition document for the ISNaS time-explicit flow solver
[MEMO-934] 22 p3679 N91-30487

Numerical definition document for the ISNaS time-implicit flow solver
[MEMO-935] 22 p3679 N91-30488

Linear data structures for storage allocation in attribute evaluators
[MEMO-INF-91-14] 22 p3724 N91-30723

OOSY: An Object Oriented Operating SYstem
[MEMO-INF-90-78] 22 p3728 N91-30752

APL implementation techniques
[MEMO-INF-91-03] 22 p3728 N91-30753

A triple jump flow chart
[MEMO-INF-91-28] 22 p3729 N91-30754

The term processor Kimwitu: A system for generating language-based software
[MEMO-INF-90-70] 22 p3733 N91-30789

Selection structures
[MEMO-INF-90-71] 22 p3734 N91-30790

Operational semantics for path expressions with postponing of nondeterministic choices
[MEMO-INF-90-72] 22 p3734 N91-30791

Hierarchical management of distributed objects
[MEMO-INF-90-73] 22 p3734 N91-30792

Formalization of inheritance of methods in an object-oriented data model
[MEMO-INF-90-76] 22 p3734 N91-30793

From behavior to silicon using VHDL as an intermediate
[MEMO-INF-90-79] 22 p3734 N91-30794

Object-orientedness: A survey
[MEMO-INF-90-81] 22 p3734 N91-30795

Time-dependent processes in functional languages
[MEMO-INF-90-87] 22 p3734 N91-30796

Software metric analysers based on attribute grammars: The metric of Halstead and McCabe for PASCAL and MIRANDA programs
[MEMO-INF-90-88] 22 p3735 N91-30797

Fault infection simulation: A variance reduction technique for systems with rare events
[MEMO-INF-91-05] 22 p3735 N91-30798

Algebraic graph rewriting using a single pushout
[MEMO-INF-91-09] 22 p3735 N91-30799

Design as science instead of art
[MEMO-INF-91-10] 22 p3735 N91-30800

A DIY demo for the Rochester connectionist simulator
[MEMO-INF-91-12] 22 p3735 N91-30801

Design of the Lotosphere symbolic LOTOS simulator
[MEMO-INF-91-13] 22 p3735 N91-30802

FDT-based protocol design
[MEMO-INF-91-16] 22 p3735 N91-30803

A classification of transitive closure algorithms
[MEMO-INF-91-18] 22 p3736 N91-30804

Generalized adaptive search: Analysis of codings and extension to parsing
[MEMO-INF-91-23] 22 p3736 N91-30805

Pattern sets
[MEMO-INF-91-24] 22 p3736 N91-30806

Tools for LOTOS, a Lotosphere overview
[MEMO-INF-91-25] 22 p3736 N91-30807

Recognition methods for context-free languages
[MEMO-INF-91-30] 22 p3736 N91-30808

Representation of time in mathematical programming modeling languages
[MEMO-933] 22 p3736 N91-30809

Network layer routing
[MEMO-INF-90-83] 22 p3737 N91-30812

The internal organization of the network layer
[MEMO-INF-90-84] 22 p3737 N91-30813

The transport layer
[MEMO-INF-90-85] 22 p3737 N91-30814

Conformance testing
[MEMO-INF-90-86] 22 p3737 N91-30815

An algorithm for generating node disjoint routes in Kautz digraphs
[MEMO-INF-90-43] 22 p3738 N91-30823

The Transputer Operating System TROS: Reference manual (TROS version 0.6)
[MEMO-INF-90-68] 22 p3738 N91-30824

A unified introduction to basic neural networks
[MEMO-INF-90-80] 22 p3739 N91-30825

Network management: An alternative view
[MEMO-INF-90-82] 22 p3739 N91-30826

Syncs and real-time behaviour of threads
[MEMO-INF-91-04] 22 p3739 N91-30827

Parallel execution of multi-join queries
[MEMO-INF-91-11] 22 p3739 N91-30828

Consistent alternatives of parallelism with conflicts: Two partial order semantics for shared variable concurrency
[MEMO-INF-91-15] 22 p3739 N91-30829

The Tumult multi-version filesystem
[MEMO-INF-91-29] 22 p3739 N91-30830

A survey of parallel execution strategies for transitive closure and logic programs
[MEMO-923] 22 p3739 N91-30831

Parallel hierarchical evaluation of transitive closure queries
[MEMO-924] 22 p3740 N91-30832

Abstraction in AI: A study of relevant literature in the context of model-based diagnosis
[MEMO-INF-91-07] 22 p3742 N91-30852

Knowledge-based diagnosis of technical systems
[MEMO-INF-91-17] 22 p3743 N91-30853

A formal theory of sets in object-oriented contexts (extended abstract)
[MEMO-INF-90-74] 22 p3746 N91-30875

Inheritance in an object-oriented data model
[MEMO-INF-90-77] 22 p3746 N91-30876

On the structure of special vectors of the Virasoro algebra
[MEMO-927] 22 p3746 N91-30877

Defining relations for Lie algebras of vector fields
[MEMO-928] 22 p3746 N91-30878

Multigrid and Runge-Kutta time stepping with frozen dissipation applied to the total variation diminishing Roe-Sweby scheme
[MEMO-936] 22 p3746 N91-30879

Chebyshev approximation of a finite set by a straight line
[MEMO-925] 22 p3748 N91-30891

Multivariate divided differences. Part 2: Multivariate B-splines
[MEMO-932] 22 p3748 N91-30892

Quality assurance in the management of information systems
[MEMO-INF-90-90] 22 p3769 N91-31013

Object modelling and system dynamics in the conceptualization stages of information systems development
[MEMO-INF-90-91] 22 p3769 N91-31014

Representing complex objects in a distributed database: A performance evaluation
[MEMO-INF-90-92] 22 p3769 N91-31015

Control versus data flow in distributed database machines
[MEMO-INF-91-02] 22 p3769 N91-31016

PRISMA/DB 1.0 user manual
[MEMO-INF-91-06] 22 p3769 N91-31017

Some order dimension bounds for communication complexity problems
[MEMO-938] 23 p3854 N91-31489

Refining interfaces of communicating systems
[MEMO-INF-91-19] 23 p3855 N91-31493

Acceleration techniques for a spectral multi-grid method
[MEMO-914] 23 p3869 N91-31580

The hierarchy of LR-attributed grammars
[MEMO-INF-91-26] 23 p3912 N91-31840

Attribute evaluation and parsing
[MEMO-INF-91-31] 23 p3912 N91-31841

An algorithm for spectral factorization of polynomial matrices with any signature
[MEMO-912] 23 p3912 N91-31842

Dynamic disturbance decoupling for discrete-time nonlinear systems
[MEMO-913] 23 p3912 N91-31843

An algorithm for the one-to-all shortest path problem with arbitrary arc lengths
[MEMO-919] 23 p3912 N91-31844

Algorithms for finding an optimal matching between a given string and a string generated by a regular grammar
[MEMO-921] 23 p3912 N91-31845

Study day on the design of a network database in four languages
[MEMO-INF-91-22] 23 p3915 N91-31863

An object-oriented analysis, design, and implementation of a network database 23 p3915 N91-31865

A network database: A case study in functional programming 23 p3916 N91-31867

Classes of feedforward neural networks and their circuit complexity
[MEMO-920] 23 p3918 N91-31881
On the expressiveness of equational type logic
[MEMO-INF-90-39-REV] 23 p3919 N91-31887
Fitting scattered data on spherelike surfaces using tensor products of trigonometric and polynomial splines
[MEMO-909] 23 p3921 N91-31904
A note on 'the matching polynomial of a polygraph'
[MEMO-910] 23 p3921 N91-31905
Multigrid and Runge-Kutta time stepping applied to the uniformly non-oscillatory scheme for conservation laws
[MEMO-911] 23 p3921 N91-31906
Extensive coverings and exact core bounds
[MEMO-915] 23 p3921 N91-31907
Cycles containing many vertices of large degree
[MEMO-916] 23 p3921 N91-31908
Parameter identification for two-point boundary value processes
[MEMO-917] 23 p3921 N91-31909
Learning convex bodies under uniform distribution
[MEMO-918] 23 p3922 N91-31910

UNIVERSITIES SPACE RESEARCH ASSOCIATION, HOUSTON, TX.
Project HyBuJET
[NASA-CR-187011] 01 p0007 N91-10040
OVRhyp, scramjet test aircraft
[NASA-CR-187009] 01 p0007 N91-10041
Supersonic combustion engine testbed, heat lightning
[NASA-CR-187010] 01 p0010 N91-10061
Hypersonic aircraft design
[NASA-CR-187008] 04 p0477 N91-12661
STB-White
[NASA-CR-187012] 04 p0477 N91-12662
Proceedings of the 6th Annual Summer Conference: NASA/USRA University Advanced Design Program
[NASA-CR-187041] 10 p1474 N91-18121

UNIVERSITIES SPACE RESEARCH ASSOCIATION, WASHINGTON, DC.
The Oriented Scintillation Spectrometer Experiment (OSSE) instrument description
[AD-A236225] 19 p3168 N91-27516
Scientific objectives of the Oriented Scintillation Spectrometer Experiment (OSSE)
[AD-A236226] 19 p3168 N91-27517
Abundances from solar flare line spectroscopy
[NASA-CR-183492] 23 p3940 N91-32022

UNIVERSITY COLL., CARDIFF (WALES).
The ultrasonic examination of titanium alloys
02 p0195 N91-11094
Aerodynamic surface pressure measurement in atmosphere and wind tunnel on a vertical axis wind turbine blade using pressure transducers
08 p1089 N91-15980
Numerical simulations of interacting disk galaxies
08 p1263 N91-16955
Interpretation of comet Halley's dust continuum in the UV
09 p1432 N91-17888
IUE observations of comet Okazaki-Levy-Rudenko (1989r)
09 p1432 N91-17889
Observations of comet Brorsen-Metcalf and comparisons with Halley
09 p1433 N91-17890
An XPS study of the formation of ultrathin platinum and iridium silicide layers on Si(100) and Si(110) surfaces
[AD-A230391] 12 p1989 N91-20946
The microwave background: Its smoothness and frequency distribution as an astrophysical product
13 p2173 N91-21992

UNIVERSITY COLL., CORK (IRELAND).
Assessment of DFT strategies
24 p3991 N91-32301
Assessment of p-metallisations for high power GaAs laser diodes
24 p3994 N91-32316
MTSL-005: Reliability evaluation of high pincount hermetic ceramic packages for space applications
24 p3995 N91-32328
Temperature compensation of PMOS dosimeters
24 p3996 N91-32336

UNIVERSITY COLL., LONDON (ENGLAND).
The detection of a broad interstellar extinction feature near 1700 A
06 p0887 N91-14900
Correlation properties of interstellar dust: Diffuse interstellar bands
06 p0890 N91-14916
Carbon and nitrogen abundances in HgMn stars
09 p1435 N91-17904
New results of the UV variability of the WR stars HD 50896 and HD 192163
09 p1435 N91-17907
The ultraviolet variability of 4C37.43 (QSO 1512+37)
09 p1444 N91-17964
Developmental biology and microgravity
11 p1750 N91-19622
Numerical simulations of the seasonal/latitudinal variations of atomic oxygen and nitric oxide in the lower thermosphere and mesosphere
19 p3191 N91-27644

UNIVERSITY COLL. OF NORTH WALES, BANGOR.
Modification and evaluation of Elastomer Test Machine (ETM)
[AD-A236143] 20 p3348 N91-28540
Fast acting optical deflection
[AD-A237904] 21 p3582 N91-29927

UNIVERSITY COLL. OF WALES, ABERYSTWYTH.
Computational fluid dynamics
23 p3864 N91-31544

UNIVERSITY HOSPITAL, OSLO (NORWAY).
Pregnancy: A cause for grounding of female air crew
02 p0247 N91-11376

UNIVERSITY OF CENTRAL FLORIDA, ORLANDO.
Mutual coupling between circular apertures on an infinite conducting ground plane and radiating into a finite width slab
04 p0593 N91-13311
Timing margin measurement using a laser technique
[AD-A226821] 08 p1153 N91-16353
Performance of distributed simulation using multiple segment ethernet communication networks
[AD-A229216] 09 p1325 N91-17274
Postlanding optimum designs for the assured crew return vehicle
10 p1475 N91-18126
Taxonomic transformations of visual media selections into display specification
[AD-A235596] 19 p3213 N91-27758
Space shuttle with common fuel tank for liquid rocket booster and main engines (supertanker space shuttle)
20 p3300 N91-28257
Determining criteria for single stage to orbit
20 p3300 N91-28258

UNIVERSITY OF EASTERN KENTUCKY, RICHMOND.
Study of activation of metal samples from LDEF-1 and Spacelab-2
[NASA-CR-184171] 21 p3479 N91-29297
Activation calculations for trapped protons below 200 MeV: Appendix
[NASA-CR-184170] 21 p3573 N91-29865

UNIVERSITY OF NORTH TEXAS, DENTON.
The design of phase-only filters for optical correlations
[AD-A225641] 05 p0715 N91-13992

UNIVERSITY OF NORTHERN ARIZONA, FLAGSTAFF.
Effects of bright illumination on oral temperature and cognitive performance in humans during nighttime hours
[AD-A232787] 15 p2478 N91-23722
Evaluation of geophysical properties of the lunar regolith for the design of precursor scientific missions for the space exploration initiative
18 p3095 N91-27104

UNIVERSITY OF NORTHERN COLORADO, GREELEY.
Northwest African depressions and their relationship to jet streams
02 p0236 N91-11318
Review of geography internship of convective wave project
[NASA-CR-187022] 05 p0687 N91-13819
Interannual variation of seasonal means and subseasonal variability of cloud streets off the east coast of North America 1984-1987
[NASA-CR-187021] 05 p0689 N91-13831

UNIVERSITY OF NORTHERN ILLINOIS, DE KALB.
Operation of silicon microstrip detectors in a high radiation environment
[DE91-001953] 05 p0662 N91-13682
Studies of high energy phenomena using muons
[DE91-010397] 14 p2326 N91-22852
Gel solidified microinterface between two immiscible electrolytes applied to amperometric detection of picrate and tetramethylammonium
[AD-A235260] 18 p2950 N91-26280
Investigation of the interface between two immiscible electrolytes applied to membrane electrochemistry
[AD-A236916] 19 p3160 N91-27470
Effect of size and geometry on levitation force measurements between permanent magnets and high-temperature superconductors
[DE91-012472] 20 p3427 N91-29008
Electrified microscopic and conventional interfaces between two immiscible electrolyte solutions
[AD-A237695] 21 p3506 N91-29459
Analysis of nonGaussian, nonlinear time series with long-memory
[AD-A237847] 21 p3566 N91-29822
Mean field analysis of the CuO2 lattice: Comparison to Monte Carlo simulations
[DE91-015570] 23 p3931 N91-31968

UNIVERSITY OF SOUTH ALABAMA, MOBILE.
Supercomputing and the processing of acoustic transients by biological systems and machines
[AD-A235759] 19 p3212 N91-27754
Estimating runup on beaches: A review of the state of the art
[AD-A229516] 22 p3711 N91-30657

UNIVERSITY OF SOUTH FLORIDA, SAINT PETERSBURG.
Large eddy simulation: Where do we stand
[AD-A230835] 13 p2118 N91-21657

UNIVERSITY OF SOUTH FLORIDA, TAMPA.
Frontier orbital symmetry control of intermolecular electron transfer
[DE91-005699] 11 p1793 N91-19834
Laser induced chemical vapor phase epitaxial growth of III-V semiconductor films
[AD-A236207] 19 p3254 N91-28001
Design and analysis of fault-tolerant distributed real-time computer systems
[AD-A239382] 23 p3917 N91-31875

UNIVERSITY OF SOUTHERN ALABAMA, MOBILE.
Construction of the 16 meter Large Lunar Telescope (LLT)
10 p1632 N91-19000

UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES.
Hypersonic viscous flow
[AD-A226072] 04 p0471 N91-12638
Model filled polymers. Part 6: Determination of the crosslink density of polymeric beads by swelling
[AD-A225783] 04 p0507 N91-12816
Control of unsteady aerodynamic forces
[AD-A227365] 06 p0778 N91-14315
Model filled polymers versus synthesis of crosslinked monodisperse polymethacrylate beads
[AD-A227236] 08 p1118 N91-16146
Research in optical symbolic tasks
[AD-A228797] 08 p1192 N91-16551
Study of a co-designed decision feedback equalizer, deinterleaver, and decoder
[NASA-CR-187961] 10 p1514 N91-18332
Joint services electronics program research in electronics
[AD-A230623] 12 p1893 N91-20410
Stability and adaptation of neural networks
[AD-A230108] 12 p1964 N91-20807
Environmentally-induced passivity of aluminum alloys and aluminum metal matrix composites
[AD-A231350] 13 p2054 N91-21301
Fuzzy associative memories 13 p2140 N91-21779
Thermal transport studies of optical coatings, interfaces and surfaces by thermal diffusion-wave interferometry
[AD-A231607] 13 p2155 N91-21879
Optical NIPI device characterization
[AD-A231157] 13 p2162 N91-21922
Kinetic aspects of lattice mismatch in molecular beam epitaxial growth on planar and patterned substrates
[AD-A231636] 13 p2164 N91-21934
MALEO: Modular Assembly in Low Earth Orbit. A strategy for an IOC lunar base 14 p2203 N91-22170
Unsteady behavior of turbulent shear flows
[AD-A231836] 14 p2264 N91-22523
Mechanics/heat-transfer relation for particulate materials
[DE91-008356] 15 p2423 N91-23424
Studies of noise in semiconductor laser arrays
[AD-A232411] 15 p2434 N91-23485
Approximation methods for the identification and control of distributed parameter systems with applications to flexible structures
[AD-A232805] 15 p2492 N91-23801
Photonic materials and devices for optical information processing and computing applications
[AD-A232771] 15 p2510 N91-23907
Nonlinear real-time optical signal processing
[AD-A232889] 15 p2510 N91-23909
Long waves in parallel flow in Hele-Shaw cells
[DE91-002232] 16 p2625 N91-24538
Image understanding research
[AD-A232995] 16 p2673 N91-24794
Motion analysis and its applications
[AD-A232945] 16 p2680 N91-24840
New approaches to reconfigurable optical interconnects
[AD-A233064] 16 p2689 N91-24885
Design of polymers with semiconductor, NLO, and structural properties
[AD-A235215] 18 p2965 N91-26364
Adaptive spread spectrum networks
[AD-A234084] 18 p2974 N91-26419
Integration of neurobiological and computational analyses of the neural network essentials for conditioned taste aversion
[AD-A235164] 18 p3033 N91-26744
Studies of optical beam phase-conjugation and electromagnetic scattering process
[AD-A234830] 18 p3064 N91-26929
Center for the Integration of Optical C
[AD-A235277] 18 p3064 N91-26931
Research instrumentation for optical computing
[AD-A235335] 18 p3064 N91-26932
Composite materials with improved properties in compression
[AD-A235954] 19 p3119 N91-27230
Models of software evolution: Life cycle and process
[AD-A236120] 19 p3228 N91-27842

Model filled polymers 8: Synthesis of crosslinked polymeric beads by seed polymerization
[AD-A237429] 21 p3487 N91-29349
Model filled polymer 7: Flow behavior of polymers containing monodisperse crosslinked polymeric beads
[AD-A237430] 21 p3487 N91-29350
Model filled polymers 9: Synthesis of uniformly crosslinked polystyrene microbeads
[AD-A237472] 21 p3488 N91-29352
Mechanism of anionic ring-opening polymerization of silacyclopent 3-enes
[AD-A237538] 21 p3488 N91-29353
Reactions of small molecular systems
[DE91-014519] 21 p3573 N91-29867
Topology-selective jamming of fully-connected, code-division random-access networks
22 p3660 N91-30373

UNIVERSITY OF SOUTHERN CALIFORNIA, MARINA DEL REY.
Model checking for linear temporal logic: An efficient implementation
[NASA-CR-187644] 04 p0560 N91-13108
Development of mercuric iodide uncooled x ray detectors and spectrometers
[NASA-CR-185394] 05 p0629 N91-13484
A research program in computer technology
[AD-A224924] 09 p1373 N91-17547
A research program in computer technology
[AD-A231025] 13 p2130 N91-21727
Network communications research
[AD-A236542] 19 p3152 N91-27421
NetList(+): A simple interface language for chip design
[AD-A236444] 19 p3159 N91-27464

UNIVERSITY OF SOUTHERN CALIFORNIA, REDONDO BEACH.
Instructional authoring by direct manipulation of simulations: Exploratory applications of RAPIDS. RAPIDS 2 authoring manual
[NASA-CR-188591] 16 p2672 N91-24790

UNIVERSITY OF SOUTHERN CALIFORNIA, UNIVERSITY PARK.
Short-term FUV flux variability and phase-dependent winds in Be stars 09 p1434 N91-17898

UNIVERSITY OF SOUTHERN ILLINOIS, CARBONDALE.
Interactions of sulfur-containing compounds with transition metal clusters and metal surfaces III
[DE90-010591] 09 p1305 N91-17160
Investigations of oxidation protection systems for carbon-carbon composites formed by chemical vapor deposition and plasma-assisted chemical vapor deposition techniques
[AD-A232800] 15 p2396 N91-23269
Electro-rheology fluids and liquid fuel flow
[AD-A238600] 21 p3515 N91-29520

UNIVERSITY OF SOUTHERN MISSISSIPPI, HATTIESBURG.
NASA Accounting and Financial Information System (NAFIS): A critical assessment of the systems development methodology 10 p1629 N91-18983
Novel liquid crystalline polymers as nonlinear optical materials
[AD-A235371] 18 p2966 N91-26373
Photodegradation of polyimides. Part 3: The effect of chemical composition, radiation source, atmosphere and processing
[AD-A236197] 19 p3141 N91-27355
Photodegradation of polyimides. Part 4: Mechanism for the photooxidation process based on a model compound
[AD-A236198] 19 p3141 N91-27356
Photodegradation of polyimides. Part 5: An explanation of the rapid photolytic decomposition of a selected polyimide via anhydride formation
[AD-A236247] 19 p3141 N91-27360
Ultraviolet stability of polymers containing the hexafluoroisopropylidene group
[AD-A236255] 19 p3142 N91-27362

UNIVERSITY OF SOUTHWESTERN LOUISIANA, LAFAYETTE.
Query processing for deductive databases with null values 15 p2522 N91-23979
Cluster-based adaptive information retrieval
23 p3935 N91-31991

UNIVERSITY OF TECHNOLOGY, LOUGHBOROUGH (ENGLAND).
Personal information systems: The implications of job and individual differences for design
17 p2885 N91-25947

UNIVERSITY OF WEST FLORIDA, PENSACOLA.
Self-organization and clustering algorithms
13 p2140 N91-21783
Understanding program dependencies
[AD-A235700] 19 p3219 N91-27796

UNIVERSITY OF WESTERN CAROLINA, CULLOWHEE, NC.
Analysis of pressure-broadened ozone spectra in the 3 micron region 04 p0599 N91-13336

UNIVERSITY OF WESTERN MICHIGAN, KALAMAZOO.
Performance instrumentation for multiengine safety
04 p0460 N91-12571
Correlated charge-changing ion-atom collisions
[DE91-013640] 20 p3403 N91-28863

UNIXPROS, INC., COLTS NECK, NY.
Evaluation of the ACEC benchmark suite for real-time applications
[AD-A231968] 14 p2308 N91-22751

UPPSALA UNIV. (SWEDEN).
The Euler and Navier-Stokes equations. Wellposedness, stability and composite grids 24 p4012 N91-32427
First and subsequent return stroke properties of cloud-to-ground lightning 24 p4048 N91-32614
Correlation between some current parameters and optical radiation generated by 280 mm long laboratory sparks 24 p4055 N91-32655
Power and energy dissipation in subsequent return strokes as predicted by a new return stroke model
24 p4056 N91-32657
Horizontal fields generated by return strokes
24 p4056 N91-32658

URBAN INST., WASHINGTON, DC.
Improvements in data acquisition technology for maintenance management systems
[PB91-164418] 22 p3766 N91-30993

USTAV JADERNEHO VYZUMU, REZ (CZECHOSLOVAKIA).
Failure criterion of thin-walled tubes subjected to proportional and non-proportional loading
[DE90-638387] 09 p1350 N91-17414

UTAH STATE UNIV., LOGAN.
Studies of the system-environment interaction by electron beam emission from a sounding rocket payload in the ionosphere 01 p0068 N91-10410
DURIP application of multiprocessing to real-time analysis and control of an ionospheric research radar
[AD-A226332] 04 p0548 N91-13037
Instellar Gas Experiment (IGE): Testing interstellar gas particles to provide information on the processes of nucleosynthesis in the big bang stars and supernova
[NASA-CR-186713] 05 p0733 N91-14097
Optimal rocket motor design and control for tactical missiles 08 p1104 N91-16062
SPEAR-1: An experiment to measure current collection in the ionosphere by high voltage biased conductors
09 p1403 N91-17725
Microspacecraft and Earth observation: Electrical Field (ELF) measurement project 10 p1480 N91-18155
Characterization of welded HP 9-4-30 steel for the advanced solid rocket motor 10 p1635 N91-19020
CHARGE-2B electron gun system
[AD-A231514] 14 p2207 N91-22186
The Interstellar Gas Experiment (IGE)
16 p2713 N91-25015
Temperature-jump relaxation kinetics at liquid/solid interfaces: Fluorescence thermometry of porous silica heated by a Joule discharge
[AD-A236850] 19 p3257 N91-28018
Wave dynamics in the mesospheric hydroxyl layer
[AD-A229306] 22 p3704 N91-30617
Exploring the limits of crop productivity: A model to evaluate progress 23 p3901 N91-31776
Cloning crops in a CELSS via tissue culture: Prospects and problems 23 p3903 N91-31783
Preparatory space experiments for development of a CELSS 23 p3905 N91-31796

UTAH UNIV., SALT LAKE CITY.
Lidar and aircraft studies of deep Cirrus systems from the 1986 FIRE IFO 01 p0077 N91-10460
Subvisual Cirrus cloud properties derived from a FIRE IFO case study 01 p0077 N91-10464
Interpretation of satellite-measured bidirectional reflectance from Cirrus cloudy atmospheres
01 p0079 N91-10470
A simulation of the flow near a burning propellant in a solid propellant rocket motor 02 p0189 N91-11056
The evolution and time scales of the atmospheric response to tropical diabatic heating events
02 p0237 N91-11322
Numerical studies of electron scattering in astrophysics 02 p0290 N91-11625
Internal flow analysis with a predictive model for droplet size distribution 03 p0364 N91-12036
High frequency behavior of long and small junctions
[AD-A224763] 03 p0422 N91-12361
Impact response of carbon/epoxy laminated plates
04 p0535 N91-12968
Friction and wear of TPS fibers: A study of the adhesion and friction of high modulus fibers
[NASA-CR-187666] 05 p0634 N91-13515
InAsSbBi, a direct band-gap, III-V, LWIR material
06 p0799 N91-14410
Surface and interfacial properties of carbon fibers
[NASA-CR-184916] 06 p0802 N91-14429
Failure in laminated composite plates containing a hole
[AD-A227307] 06 p0803 N91-14435
Use of D2 to elucidate OMVPE growth mechanisms
[AD-A226966] 06 p0805 N91-14443
Conductivity fluctuations in fast ionic conductors
[AD-A227379] 06 p0823 N91-14549
Image-based terrain modeling with thematic mapper
08 p1166 N91-16418
On the propagation of plane waves above an impedance surface 08 p1214 N91-16684
Research in radiobiology: Work in progress in immunobiology of experimental host-tumor relationships
[DE91-007936] 11 p1764 N91-19705
Advanced sequencing technology
[DE91-008031] 11 p1764 N91-19706
Photomodulation spectroscopy of photocarrier dynamics, electronic defects and morphology of conducting polymers
[DE91-007977] 12 p1877 N91-20316
Photoinitiated chain reactions in low temperature solids
[AD-A230131] 12 p1877 N91-20320
The spectral-compact finite difference technique for direct numerical simulation of turbulent flows
17 p2776 N91-25361
Structure of alkylated silica surfaces: Quenching of fluorescence from covalently bound pyrene
[AD-A234642] 18 p2938 N91-26207
Surface diffusion at the liquid-solid interface: Quenching of fluorescence from pyrene covalently bound to methylated silica
[AD-A234645] 18 p2948 N91-26268
Raman spectroscopy study of solvation structure in acetonitrile/water mixtures
[AD-A234921] 18 p2949 N91-26271
Development and verification of a physical cloud-moisture model for use in general circulation models
[AD-A234751] 18 p3014 N91-26643
Imaging of fluorescent and chemiluminescent DNA hybrids using a 2-D CCD camera
[AD-A234641] 18 p3020 N91-26676
Molecular transport in porous silica. Quenching of fluorescence from surface-immobilized pyrene
[AD-A234643] 19 p3122 N91-27249
Attenuated total reflection infrared spectroscopy for measuring interfacial reaction kinetics: Hydrolysis of monochlorosilanes at silica surfaces
[AD-A236034] 19 p3126 N91-27269
Geometrical linear responses and directional energy derivatives for energetically degenerate MCSCF electronic functions
[AD-A236074] 19 p3158 N91-27457
B(+)(S-1) + H2 yeilds BH(+)(sigma-2) + H: A Woodward-Hoffman forbidden ion-molecule reaction
[AD-A235885] 19 p3242 N91-27929
Ab initio quantum chemistry study of formamide-formamidic acid tautomerization
[AD-A235886] 19 p3242 N91-27930
Discrepancies in the crystal structures assigned to precipitated zirconia
[AD-A234644] 19 p3250 N91-27976
Quantitative investigation of charge-trapping effects on Raman spectra acquired using charge-coupled device (CCD) detectors
[AD-A236101] 19 p3254 N91-28000
Heat flow data and thermal state of the continental lithosphere 20 p3372 N91-28682
Prediction of forecast skill with a quasi-geostrophic model 20 p3375 N91-28699
Microcomputers: An exploratory study of their availability and use in the research process and their contribution to researcher productivity 20 p3383 N91-28739
Fabrication, phase transformation studies and characterization of SiC-AlN-Al2OC ceramics
[DE91-013296] 21 p3484 N91-29329
Research in the physical sciences with application to the free electron laser
[AD-A237884] 21 p3523 N91-29571
Alumina reinforced tetragonal zirconia (TZP) composites
[DE91-016748] 23 p3807 N91-31239
In situ short fatigue crack characterization of a nickel-base superalloy at ambient and elevated temperature 23 p3883 N91-31670

UTRECHT STATE UNIV. (NETHERLANDS).
Fast left-linear semi-unification
[RUU-CS-89-33] 04 p0565 N91-13138
Properties of models which are complete for Hoare logic
[RUU-CS-90-1] 04 p0565 N91-13139

Algorithms from theorems
[RUU-CS-90-3] 04 p0565 N91-13140
Tools for the rectilinear Steiner tree problem
[RUU-CS-90-8] 04 p0566 N91-13141
Minimum hop route maintenance in static and dynamic networks
[RUU-CS-90-18] 04 p0566 N91-13142
Prefix routing schemes in dynamic networks
[RUU-CS-90-10] 04 p0568 N91-13154
The file distribution problem for processor networks
[RUU-CS-90-16] 04 p0569 N91-13155
A pseudo-polylog average time parallel maxflow algorithm
[RUU-CS-90-17] 04 p0569 N91-13156
The pathwidth and treewidth of cographs
[RUU-CS-90-7] 04 p0575 N91-13199
New techniques for the union-find problem
[RUU-CS-89-12] 05 p0709 N91-13954
Hidden surface removal for axis-parallel polyhedra
[RUU-CS-90-21] 06 p0858 N91-14736
Matrix techniques for faster routing of affine permutations on a mesh interconnection network
[RUU-CS-90-19] 06 p0863 N91-14767
Finding shortest paths in the presence of orthogonal obstacles using a combined L sub 1 and link metric
[RUU-CS-90-20] 06 p0864 N91-14777
On probability intervals and their updating
[RUU-CS-90-22] 06 p0867 N91-14793
The derivation of distributed termination detection algorithms from garbage detection schemes
[RUU-CS-90-24] 23 p3910 N91-31827
Distributed incremental maximum finding in hierarchically divided graphs
[RUU-CS-90-30] 23 p3910 N91-31828
The on-line d-dimensional dictionary problem
[RUU-CS-90-31] 23 p3910 N91-31829
Linear logic, domain theory, and semi-functors
[RUU-CS-90-34] 23 p3910 N91-31830
Perfect colorings
[RUU-CS-90-35] 23 p3910 N91-31831
On the efficient incremental evaluation of higher order attribute grammars
[RUU-CS-90-36] 23 p3910 N91-31832
Categorical semantics as a basis for program transformation
[RUU-CS-90-38] 23 p3911 N91-31833
On logic programming and the refinement calculus: Semantics based program transformations
[RUU-CS-90-39] 23 p3911 N91-31834
The failure of failures: Towards a paradigm for a synchronous communication
[RUU-CS-90-40] 23 p3911 N91-31835
Approximating treewidth, pathwidth, and minimum elimination tree height
[RUU-CS-91-01] 23 p3911 N91-31836
Synchronous link-level protocols
[RUU-CS-91-02] 23 p3911 N91-31837
The complexity of coloring games on perfect graphs
[RUU-CS-91-03] 23 p3911 N91-31838
Dynamic output-sensitive hidden surface removal for c-oriented polyhedra
[RUU-CS-91-06] 23 p3912 N91-31839
Longest segment problems
[RUU-CS-90-28] 23 p3920 N91-31896
On disjoint cycles
[RUU-CS-90-29] 23 p3920 N91-31897
Covering a set of points with fixed size hypersquares and related problems
[RUU-CS-90-32] 23 p3920 N91-31898
Hidden surface removal for c-oriented polyhedra
[RUU-CS-90-33] 23 p3920 N91-31899
Computing minimum length paths of a given homotopy class
[RUU-CS-90-37] 23 p3920 N91-31900
A note on semi-adjunctions
[RUU-CS-90-41] 23 p3920 N91-31901
The linear decomposition of delta-squared models
[RUU-CS-91-04] 23 p3920 N91-31902
Union-copy structures and dynamic segment trees
[RUU-CS-91-05] 23 p3921 N91-31903
A pragmatical view on the certainty factor model
[RUU-CS-90-42] 23 p3922 N91-31917
From game trees to game graphs
[RUU-CS-90-43] 23 p3923 N91-31921
Continuous informations systems
[RUU-CS-90-25] 23 p3936 N91-31997

V

VALENCIA UNIV. (SPAIN).
Possible very extended envelopes around red supergiants 09 p1436 N91-17912
VALMET PAPERIKONEET OY, RAUTPOHJA (FINLAND).
Examples of fatigue measurement of paper machine components 07 p1017 N91-15588
VALPARAISO UNIV., IN.
An investigation of design optimization using a 2-D viscous flow code with multigrid 04 p0593 N91-13312
VAN RIETSCHOTEN AND HOUWENS B.V., ROTTERDAM (NETHERLANDS).
Kopstudie BLASER (laser bathymetry)
[BCRS-89-36] 04 p0550 N91-13049
VANDERBILT UNIV., NASHVILLE, TN.
Analysis of cyclic crack growth under rolling contact loading conditions 03 p0377 N91-12109
Theoretical studies of atomic transitions
[DE91-000931] 08 p1221 N91-16723
Skeletal adaptation in altered gravity environments 11 p1746 N91-19603
Very high temperature chemistry: Science justification for containerless experimentation in space 13 p2059 N91-21334
NASA-sponsored containerless processing experiments 13 p2059 N91-21335
Containerless processing projects 13 p2059 N91-21336
The metrology of spherical shells using synchrotron x ray microtomography 13 p2065 N91-21374
Drop coalescence studies 13 p2066 N91-21375
Analysis of rolling contact spall life in 440 C steel bearing rims
[NASA-CR-184101] 13 p2094 N91-21526
Laser Raman diagnostics in subsonic and supersonic turbulent jet diffusion flames
[NASA-CR-188172] 14 p2244 N91-22411
Microscopic heavy-ion theory
[DE91-010739] 15 p2504 N91-23869
A neural network for the analysis of aircraft test data 17 p2733 N91-25133
Research on intelligent fault detection and repair advisory systems
[AD-A235267] 18 p2997 N91-26551
Matching theory. A sampler: From Denes Koenig to the present
[AD-A234321] 18 p3050 N91-26839
Extending matchings in graphs: A survey
[AD-A234392] 18 p3050 N91-26841
A dynamical picture of hadron-hadron collisions with the string-parton model
[DE91-016278] 24 p4095 N91-32881
VARIAN ASSOCIATES, PALO ALTO, CA.
High temperature superconductivity
[AD-A226297] 04 p0589 N91-13291
High temperature superconductivity
[AD-A226298] 04 p0589 N91-13292
A liquid nitrogen cooled superconductive electron beam focusing system for improved performance ECM helix traveling wave tubes 05 p0725 N91-14047
Progress toward a 30 percent-efficient, monolithic, three-junction, two-terminal concentrator solar cell for space applications 11 p1667 N91-19188
High-efficiency, radiation-resistant GaAs space cells 11 p1668 N91-19194
Development of a tactical high-power microwave source using the Plasma Electron Microwave Source (PEMS) concept
[AD-A234967] 18 p3067 N91-26942
Recent advancements in monolithic AlGaAs/GaAs solar cells for space applications 22 p3634 N91-30220
VEGA SPACE SYSTEMS ENGINEERING LTD., HARPENDEN (ENGLAND).
An approach for the application of knowledge based systems to the production and execution of spacecraft operations procedures 14 p2217 N91-22254
Telescience: A scientist's dream or an operational nightmare 14 p2223 N91-22293
VEGA SPACE SYSTEMS ENGINEERING LTD., SAINT-ALBANS (ENGLAND).
Man-Machine Interface (MMI) aspects of workstations for use in spacecraft operations 14 p2221 N91-22281
VERITAY TECHNOLOGY, INC., AMHERST, NY.
Twenty first century propulsion concept
[AD-A237853] 21 p3466 N91-29224
VERMONT UNIV., BURLINGTON.
Regio- and stereochemical control in substitution reactions of cyclophosphazenes
[AD-A234376] 18 p2946 N91-26257
Organo- borazines.3.homo- and copolymerization of p-vinylphenyl- cyclotri- borazines
[AD-A237881] 21 p3488 N91-29357
VEXCEL CORP., BOULDER, CO.
An automated software system for updating digital terrain databases from all-source imagery, phase 1
[AD-A237105] 21 p3554 N91-29748
VF ASSOCIATES, WASHINGTON, DC.
An alternative to the dirty snowball model of comets 12 p2006 N91-21041
VIASAT, INC., CARLSBAD, CA.
Lightweight payload for high altitude balloons
[AD-A236242] 19 p3101 N91-27134
VIBRO-METER S.A., FRIBOURG (SWITZERLAND).
Process for detecting the likelihood of ice formation, ice warning system for carrying out the process, and utilization thereof
[PATENT-1-250-926] 23 p3785 N91-31107
VICTORIA UNIV. (BRITISH COLUMBIA).
Coding for frequency hopped spread spectrum satellite communications
[ECE-89-1] 21 p3496 N91-29398
VIGYAN RESEARCH ASSOCIATES, INC., HAMPTON, VA.
User's guide to PANCOR: A panel method program for interference assessment in slotted-wall wind tunnels
[NASA-CR-187479] 08 p1099 N91-16033
A real time dynamic data acquisition and processing system for velocity, density, and total temperature fluctuation measurements
[NASA-CR-182069] 10 p1467 N91-18094
Description and evaluation of an interference assessment for a slotted-wall wind tunnel
[NASA-CR-4352] 13 p2028 N91-21155
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 1: Steady
[AD-A233482] 16 p2547 N91-24113
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 2: User manual for VORSTAB-2
[AD-A233483] 16 p2547 N91-24114
Calculation of high angle of attack aerodynamics of fighter configurations. Volume 3: Unsteady
[AD-A233569] 16 p2547 N91-24115
Testing of transition-region models: Test cases and data
[NASA-CR-4371] 17 p2728 N91-25104
Rule groupings: A software engineering approach towards verification of expert systems
[NASA-CR-4372] 17 p2829 N91-25625
A study of residual interference effects in adaptive wall testing of a 7-inch chord CAST-10-2/DOA 2 airfoil model
[NASA-CR-4390] 20 p3280 N91-28138
VILLANOVA UNIV., PA.
What we learn from eclipsing binaries in the ultraviolet 09 p1430 N91-17870
The CI pressure shift and gravitational redshift of the cool DBQA5 white dwarf LDS678A 09 p1442 N91-17949
Heisenberg approach to photon emission near a phase conjugator
[AD-A233585] 16 p2685 N91-24871
VILNIUS KAPSUKAS STATE UNIV. (LITHUANIA).
Properties of interstellar dust in the region of the CEP OB4 association 06 p0887 N91-14903
VINCOTTE, BRUSSELS (BELGIUM).
Possible use of reliability and safety analyses from other technologies 14 p2219 N91-22268
VIRGINIA COMMONWEALTH UNIV., RICHMOND.
Quantitative analysis of ice films by near-infrared spectroscopy 04 p0595 N91-13323
Facilitating researcher use of flight simulators 04 p0599 N91-13340
Evaluating the effect of accuracy ratios on the percent of calibrations which are out of tolerance 18 p3095 N91-27107
VIRGINIA MASON RESEARCH CENTER, SEATTLE, WA.
Influence of anticholinesterase on distribution of ventilation and gas exchange
[AD-A229341] 22 p3715 N91-30679
VIRGINIA POLYTECHNIC INST., BLACKSBURG.
Nonlinear oscillations of mechanical systems under multifrequency parametric excitation
[AD-A233800] 18 p2998 N91-26558
VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG.
Theoretical studies in few-body intermediate energy physics
[DE90-017279] 01 p0120 N91-10709
Analysis and design of a high power, digitally-controlled spacecraft power system
[NASA-CR-186546] 02 p0188 N91-11053
Statistical system identification of structures with flexible joints 02 p0220 N91-11232
Olympus propagation studies in the US: Propagation terminal hardware and experiments 03 p0351 N91-11958
Olympus propagation studies in the US: Receiver development and the data acquisition system 03 p0351 N91-11959
Visualization and velocity measurement of unsteady flow in a gas generator using cold-flow technique 03 p0362 N91-12027
Strength scaling in fiber composites
[NASA-CR-4335] 03 p0376 N91-12104

Situationally driven local navigation for mobile robots
03 p0408 N91-12281
Ultra-low loss optical fiber characterization system development
[AD-A224843] 03 p0418 N91-12337
Instabilities of a compressible mixing layer
04 p0521 N91-12898
A physical model for the acousto-ultrasonic method
[NASA-CR-185294] 04 p0534 N91-12962
New phases of D greater than or equal to 2 current and diffeomorphism algebras in particle physics
[DE91-001515] 05 p0728 N91-14067
An analysis of interlaminar stresses in unsymmetrically laminated plates
[NASA-CR-187657] 06 p0802 N91-14424
Adaptive human-computer interfaces using expert profiles
[AD-A226906] 06 p0855 N91-14721
Micromechanics analysis of space-simulated thermal deformations and stresses in continuous fiber-reinforced composites 07 p0968 N91-15313
Optimal rigid-body rotational maneuvers
09 p1276 N91-17015
Runway exit designs for capacity improvement demonstrations. Phase 1: Algorithm development
[NASA-CR-187955] 09 p1285 N91-17065
Pulse propagation in random media
[AD-A229006] 09 p1324 N91-17269
Flux-split algorithms for flows with non-equilibrium chemistry and thermodynamics
09 p1331 N91-17311
Nonlinear flexural-flexural-torsional dynamics of metallic and composite beams 09 p1351 N91-17420
Research and development of models and instruments to define, measure, and improve shared information processing within government oversight agencies. Volume 1: Research status
[DE90-009989] 09 p1419 N91-17812
Three orbital transfer vehicles
10 p1480 N91-18156
Damage states in laminated composite three-point bend specimens: An experimental/analytical correlation study
10 p1492 N91-18213
Damorheology: Creep-fatigue interaction in composite materials 10 p1493 N91-18217
Feasibility study of a synthesis procedure for array feeds to improve radiation performance of large distorted reflector antennas
[NASA-CR-187954] 10 p1513 N91-18329
Damper bearing rotordynamics
10 p1628 N91-18978
Mechanical behavior of a ceramic matrix composite material
[NASA-CR-187072] 11 p1718 N91-19461
Velocity measurements in a turbulent trailing vortex and their application to BWI noise prediction
[NASA-CR-188083] 13 p2018 N91-21100
Critical speeds and forced response solutions for active magnetic bearing turbomachinery, part 1
13 p2038 N91-21209
Critical speeds and forced response solutions for active magnetic bearing turbomachinery, part 2
13 p2038 N91-21210
Model correlation and damage location for large space truss structures: Secant method development and evaluation
[NASA-CR-188102] 13 p2039 N91-21213
Large deformation behavior of long shallow cylindrical composite panels
[NASA-CR-4355] 13 p2100 N91-21557
Thermal buckling and postbuckling of symmetrically laminated composite plates
[NASA-CR-188030] 13 p2100 N91-21560
A method for the geometrically nonlinear analysis of compressively loaded prismatic composite structures
[NASA-CR-184846] 13 p2100 N91-21561
The transient development of vortices over a delta wing
[AD-A231946] 14 p2188 N91-22082
A recursive approach to the equations of motion for the maneuvering and control of flexible multi-body systems 14 p2227 N91-22319
Control effort associated with model reference adaptive control for vibration damping 14 p2229 N91-22329
The influence of time-dependent material behavior on the response of sandwich beams
[NASA-CR-188029] 14 p2274 N91-22577
The development and evaluation of an alternative powder prepregging technique for use with LaRC-TPI/graphite composites
[NASA-CR-188184] 15 p2392 N91-23242
Thermoforming of in-situ reinforced thermoplastic composites
[AD-A232816] 15 p2407 N91-23329
Generation of continuous liquid crystalline polymer reinforcements in thermoplastics by a novel blending process
[AD-A232824] 15 p2407 N91-23330
Processing studies of blends of polypropylene with liquid crystalline polymers
[AD-A232961] 16 p2605 N91-24435
Preparation of biliquid foam compositions
[DE91-006740] 16 p2612 N91-24461
Low-cost fiber optic weigh-in-motion sensor
[PB91-152702] 16 p2630 N91-24559
Active vibration control of composite structures
16 p2642 N91-24626
Energy decay and boundary control for distributed parameter systems with viscoelastic damping
[AD-A232997] 16 p2647 N91-24655
Advanced models for clutter
[AD-A232039] 16 p2678 N91-24821
Experimental method of analyzing stress intensity factors and singularity order in rocket motor geometry
17 p2743 N91-25177
An experimental study of a three-dimensional pressure-driven turbulent boundary layer
17 p2775 N91-25358
Minimum-weight design of symmetrically laminated composite plates for postbuckling performance under inplane compression loads 17 p2788 N91-25428
Optimal control problems with switching points
17 p2840 N91-25694
Precise synchronization of phasor measurements in electric power systems 17 p2855 N91-25788
A study of the response of nonlinear springs
[NASA-CR-188602] 17 p2859 N91-25807
State space models for aeroelastic and viscoelastic systems
[AD-A234730] 18 p2922 N91-26117
Space platform power system hardware testbed
[NASA-CR-185839] 18 p2938 N91-26204
Development and verification of global/local analysis techniques for laminated composites
[NASA-CR-185060] 18 p2943 N91-26238
The development of piezoelectric poly(vinylidene fluoride) sensors for measuring peel stresses in adhesive joints
[AD-A233880] 18 p2998 N91-26559
Adaptation and resistance of ecosystems to stress
[AD-A234576] 18 p3007 N91-26603
Atmospheric surface layer and its simulation for wind-load studies on low-rise structures
[PB91-174045] 19 p3200 N91-27691
Damage development under compression-compression fatigue loading in a stitched uniwoven graphite/epoxy composite material
[NASA-CR-188693] 20 p3305 N91-28292
An analysis of interlaminar stresses in unsymmetrically laminated plates 20 p3306 N91-28299
High-resolution interferometric measurements of residual strains in composites 20 p3307 N91-28303
The solution of variable-geometry truss problems using new homotopy continuation methods
20 p3365 N91-28640
Research and development entitled smart structures for fossil energy applications
[DE91-002064] 20 p3405 N91-28875
A selection tool for choosing the best participative problem-solving technique
[DE91-012421] 20 p3436 N91-29066
Experience in designing and using a flat structure in a multi-project research organization
[DE91-012427] 20 p3436 N91-29067
Structured meeting techniques identify emergency management issues practitioners really want to see addressed
[DE91-012414] 20 p3436 N91-29069
How to increase meeting effectiveness and efficiency
[DE91-012420] 20 p3437 N91-29070
Why engineers must know and manage organizational culture
[DE91-012425] 20 p3437 N91-29071
A framework for data and information
[DE91-012416] 20 p3438 N91-29075
The effects of information availability on the group consensus process
[DE91-012428] 20 p3438 N91-29076
Modeling and response analysis of thin-walled beam structures constructed of advanced composite materials
21 p3531 N91-29615
An experimental investigation of the flow past an idealized wing-body junction
[AD-A229602] 22 p3610 N91-30079
Measurements of surface shear stresses under a three-dimensional turbulent boundary layer using oil-film laser interferometry
[AD-A229494] 22 p3671 N91-30443
Study of three-dimensional pressure-driven turbulent boundary layer
[AD-A229495] 22 p3671 N91-30444
Secondary instabilities of boundary layers
22 p3672 N91-30449
MOFAT: A two-dimensional finite element program for multiphase flow and multicomponent transport. Program documentation and user's guide
[PB91-191692] 22 p3675 N91-30463
A theoretical and experimental study of modal interactions in resonantly forced structures
22 p3691 N91-30551
Application of localized hybrid methods of stress analysis to some problems in the mechanics of composites
22 p3691 N91-30554
Development of advanced modal methods for calculating transient thermal and structural response
22 p3693 N91-30559
A method for the geometrically nonlinear analysis of compressively loaded prismatic composite structures
23 p3806 N91-31229
The formation of novel thermoplastic composites from liquid crystalline polymers and their blends
[AD-A239546] 23 p3808 N91-31244
Influence of surface defects and local structure on oxygenate reaction pathways over metal oxide surfaces
[DE91-016600] 23 p3816 N91-31289
Generalized spatial discretization techniques for space-marching algorithms 23 p3864 N91-31546
Nonlinear probabilistic finite element modeling of composite shells 23 p3883 N91-31668
The control of flexible structure vibrations using a cantilevered adaptive truss 23 p3883 N91-31671
Optimal control problems with switching points
[NASA-CR-4393] 24 p3965 N91-32155
Interlaminar deformations on the cylindrical surface of a hole in laminated composites: An experimental study
24 p3969 N91-32172
Modeling and analysis of spacecraft battery charger systems 24 p4008 N91-32411
The development of solution algorithms for compressible flows 24 p4011 N91-32423
Uncertainties in stress analysis on marine structures
[PB91-193441] 24 p4031 N91-32522

VIRGINIA STATE UNIV., PETERSBURG.

Studies of superconducting materials with muon spin rotation 19 p3271 N91-28092
Computer simulation of radiation damage in gallium arsenide 19 p3274 N91-28112

VIRGINIA UNIV., CHARLOTTESVILLE.

Fabrication and optimization of a whiskerless Schottky barrier diode for submillimeter wave applications
[NASA-CR-186381] 02 p0204 N91-11144
The microstructure and properties of aluminum-lithium alloys 03 p0340 N91-11907
What could be causing global ozone depletion
03 p0445 N91-12488
The effect of alloy composition and processing on the structure and properties of I/M Al-Li-X alloys
[AD-A226202] 04 p0504 N91-12799
Seventh IEEE Workshop on Real-Time Operating Systems and Software
[AD-A226320] 04 p0564 N91-13130
A high performance computer architecture for embedded and/or multi-computer applications
[AD-A226478] 04 p0568 N91-13152
Radiative thermal conduction fronts
05 p0747 N91-14162
ISM stripping from cluster galaxies and inhomogeneities in cooling flows 05 p0749 N91-14172
Aspects of the interstellar medium in starburst galaxies 05 p0756 N91-14209
NASA-UVA light aerospace alloy and structures technology program
[NASA-CR-187321] 06 p0810 N91-14474
Study of the embedded atom method of atomistic calculations for metals and alloys
[DE91-001640] 07 p0980 N91-15378
A phenomenological approach to multisource data integration: Analysing infrared and visible data
07 p1024 N91-15621
The nondeterministic divide
[NASA-CR-187780] 07 p1053 N91-15783
A characterization of associativity
[NASA-CR-187779] 07 p1053 N91-15784
Superconducting materials
[DE91-004236] 07 p1071 N91-15893
The StarLite project
[AD-A226722] 08 p1240 N91-16837
Theoretical and experimental study of mixed solvent electrolytes
[DE91-005720] 09 p1309 N91-17184
NASA-UVa light aerospace alloy and structures technology program
[NASA-CR-187895] 09 p1313 N91-17209

Dynamic analysis of liquid-lubricated hydrostatic journal bearings 09 p1345 N91-17391
Electromagnetic interactions with nuclei and nucleons [DE91-005096] 10 p1591 N91-18773
Fundamental concepts relating local atomic arrangement deformation and fracture of intermetallic alloys [AD-A230541] 12 p1870 N91-20275
SIS mixer research [AD-A230167] 12 p1987 N91-20935
Control issues of microgravity vibration isolation 13 p2035 N91-21192
Rapidly solidified metallic alloys with unusual semmetry properties [AD-A232384] 15 p2402 N91-23304
Sufficient comparison and modeling of forecasts 15 p2497 N91-23829
A classification of general helicoidal shells 17 p2788 N91-25426
Software fault tolerance using data diversity [NASA-CR-188616] 17 p2832 N91-25646
NASA-UVA Light Aerospace Alloy and Structures Technology Program (LA2ST) [NASA-CR-188626] 19 p3129 N91-27285
Environment enhanced fatigue of advanced aluminum alloys and metal matrix composites 19 p3129 N91-27286
Elevated temperature fracture of RS/PM aluminum alloy 8009 19 p3129 N91-27287
Temperature effects on the deformation and fracture of Al-Li-Cu-In alloys 19 p3129 N91-27288
The effect of temperature on the fracture toughness of Weldalite(TM) 049 19 p3129 N91-27289
Measurements and mechanisms of localized aqueous corrosion in aluminum-lithium-copper alloys 19 p3130 N91-27290
The effect of zinc additions on the environmental stability of Alloy 8090 (Al-Li-Cu-Mg-Zr) 19 p3130 N91-27291
Hydrogen interactions in aluminum-lithium alloys 19 p3130 N91-27292
Investigation of the effect of thermal exposure on the mechanical properties of titanium/SiC composites 19 p3130 N91-27293
Quantitative characterization of the spatial distribution of particles in materials: Application to materials processing 19 p3130 N91-27294
Inelastic response of metal matrix composites under biaxial loading 19 p3131 N91-27295
Design of cryogenic tanks for space vehicles shell structures analytical modeling 19 p3131 N91-27296
Experimental study of the viscoplastic response of high temperature structures 19 p3131 N91-27297
Embedding ADAMS in FORTRAN [DE91-014346] 20 p3385 N91-28754
An introduction to the ADAMS interface language, part 1 [DE91-014344] 20 p3385 N91-28757
Performance measurement of a parallel input/output system for the Intel iPSC/2 hypercube [DE91-014219] 20 p3389 N91-28779
Concurrent access to O-trees [DE91-014348] 20 p3390 N91-28782
The ADAMS interactive interpreter [DE91-014345] 20 p3438 N91-29080
Implementation of a hypercube database system [DE91-014285] 20 p3440 N91-29089
Performance evaluation of multiversion database systems [DE91-014340] 20 p3440 N91-29090
Design and analysis of multi-sensor sequential detection system [AD-A238012] 21 p3519 N91-29543
Design of the primary and secondary Pre-TRMM and TRMM ground truth sites [NASA-CR-188755] 22 p3696 N91-30577
Trace gas and aerosol transports into and out of the Amazon Basin [NASA-CR-188786] 22 p3704 N91-30613
FALCON: A distributed scheduler for MIMD architectures [DE91-014343] 22 p3736 N91-30810

VISICOM LABS., INC., SAN DIEGO, CA.
Western Pacific Omega validation analysis [AD-A232457] 16 p2558 N91-24191

VISION SCIENCES RESEARCH CORP., SAN RAMON, CA.
Quantifying improved visual performance through vision training [AD-A232799] 15 p2477 N91-23716

VITRO CORP., WASHINGTON, DC.
Launch operations manpower yesterday, today and tomorrow 20 p3301 N91-28267

VOEIKOV MAIN GEOPHYSICAL OBSERVATORY, LENINGRAD (USSR).
On error sources during airborne measurements of the ambient electric field 24 p4067 N91-32719

VOLCANOLOGICAL SOCIETY OF JAPAN, TOKYO.
Proceedings of a symposium on Basic Studies in Volcanology [DE91-727359] 07 p1029 N91-15646

VON HOERNER UND SULGER ELECTRONIC G.M.B.H., SCHWETZINGEN (GERMANY, F.R.).
Experience-based report of a system leader company 04 p0492 N91-12736

VON KARMAN INST. FOR FLUID DYNAMICS, RHODE-SAINT-GENESE (BELGIUM).
Subsonic and transonic cascade design 10 p1458 N91-18042
The VKI hypersonic wind tunnels and associated measurement techniques [VKI-TM-46] 15 p2385 N91-23196
Investigation of Roe's 2D wave decomposition models for the Euler equations [VKI-TN-172] 15 p2426 N91-23436
Aero-thermal investigation of a highly loaded transonic linear turbine guide vane cascade. A test case for inviscid and viscous flow computations [VKI-TN-174] 15 p2426 N91-23437
Two dimensional optimization of smoothing properties of multistage schemes applied to hyperbolic equations [VKI-TN-173] 15 p2493 N91-23807
Introduction to the Modeling of Turbulence [VKI-LS-1991-02] 23 p3865 N91-31551
New Approaches in the Description and Modeling of Turbulence [VKI-LS-1991-03] 23 p3866 N91-31565
Laser Velocimetry, volume 1 [VKI-1991-05-VOL-1] 23 p3875 N91-31614
Laser Velocimetry, volume 2 [VKI-1991-05-VOL-2] 23 p3876 N91-31625
Computational Fluid Dynamics [VKI-LS-1991-01] 24 p4012 N91-32426
Upwind methods and multidimensional splittings for the Euler equations 24 p4012 N91-32429
Fluctuation splitting schemes for the 2D Euler equations 24 p4012 N91-32430
Parabolized Navier-Stokes methods for ducted flow systems 24 p4013 N91-32434

VOUGHT CORP., DALLAS, TX.
Shuttle Entry Air Data System (SEADS) hardware development. Volume 1: Summary [NASA-CR-166044-VOL-1] 13 p2033 N91-21179
Shuttle Entry Air Data System (SEADS) hardware development. Volume 2: History [NASA-CR-166044-VOL-2] 13 p2033 N91-21180

VREULS RESEARCH CORP., THOUSAND OAKS, CA.
Human-computer interaction in tactical operations: Designing for effective human-computer dialogue [AD-A230069] 12 p1932 N91-20632

VRIJE UNIV., AMSTERDAM (NETHERLANDS).
Hypergravity and bone mineralization 11 p1754 N91-19650

VRIJE UNIV., BRUSSELS (BELGIUM).
Durability of polymer based composite systems for structural applications. Analysis and predictions [AD-A225516] 03 p0345 N91-11935
Lung volumes, chest wall configuration, and pattern of breathing in microgravity 11 p1741 N91-19574
Radial mixing in turbomachines [AD-A235507] 19 p3163 N91-27491
A general analysis of two-dimensional convection schemes 24 p4012 N91-32428

VSESOYUZNYI NAUCHNO-ISSLEDOVATELSKII INST. RADIATSIONNOI TEKHNIKI, MOSCOW (USSR).
USSR national time unit keeping over long interval using an ensemble of H-masers 17 p2851 N91-25763

W

WAKE FOREST UNIV., WINSTON-SALEM, NC.
Characterization of blood drawn rapidly for use in blood volume expansion studies: An animal model for simulated weightlessness 14 p2204 N91-22175
Multiple neuron recording in the hippocampus of freely moving animals [AD-A232934] 16 p2661 N91-24725

WALCOFF AND ASSOCIATES, INC., ALEXANDRIA, VA.
Polymer matrix composites research: A survey of Federally sponsored programs [DE91-000453] 04 p0508 N91-12824

WALES UNIV. INST. OF SCIENCE AND TECHNOLOGY, CARDIFF.
Visibility and the selection of galaxies 22 p3771 N91-31028
Genetic algorithms [ETN-91-99985] 23 p3913 N91-31852

WALOWIT (JED A.), INC., CLIFTON PARK, NY.
A continuum approach toward modeling the mechanics of solid lubricating films [AD-A226961] 06 p0812 N91-14486

WARREN-FORTHOUGHT, INC., ANGLETON, TX.
The object the metaphor the power and evergreen or the eighth way to make a hypermedia project fail 13 p2166 N91-21947

WARSAW UNIV. (POLAND).
Vega-Giotto flyby missions and cometary cosmogony 06 p0907 N91-15009
Compaction of the icy/rocky granular mixtures and the physics of the icy satellites 10 p1620 N91-18938

WARTSILA DIESEL INTERNAITONAL LTD., VAASA (FINLAND).
Reliability and its determination for medium speed diesel engine components 07 p1017 N91-15587

WARWICK UNIV., COVENTRY (ENGLAND).
Severity criteria for broad-band random vibration 07 p0955 N91-15249
A segregated finite element solution to the incompressible Navier-Stokes equations [ME-69] 08 p1147 N91-16315
Dynamic aspects of scanning surface instruments and microscopes [ME-84] 08 p1151 N91-16339
A hydraulically driven microdisplacement unit [ME-56] 08 p1160 N91-16392
Electronic analogue for a biological nose [ME-78] 08 p1190 N91-16541
Convective instabilities in binary fluids 14 p2263 N91-22517

WASEDA UNIV., TOKYO (JAPAN).
Relaxed state and entropy production 20 p3411 N91-28907

WASHINGTON STATE ENERGY OFFICE, OLYMPIA.
High efficiency motor selection handbook [DE91-006231] 10 p1519 N91-18363

WASHINGTON STATE UNIV., PULLMAN.
Basic characteristics of laser heating in thermoluminescence and of laser-stimulated luminescence [AD-A225968] 04 p0528 N91-12930
The effect of suspended particles on Jean's criterion for gravitational instability 05 p0752 N91-14189
Electron temperature and concentration in a thermal atomic oxygen source 10 p1632 N91-19002
GaAs solar cell photoresponse modeling using PC-1D V2.1 11 p1668 N91-19193
Acoustic emission-fracture strength relations for Al/Gr composites [DE91-009106] 13 p2045 N91-21251
Optical scattering methods applicable to drops and bubbles 13 p2063 N91-21358
Rapidly convergent algorithms for nonsmooth optimization [AD-A231110] 13 p2135 N91-21756
Particle emission and charging effects induced by fracture [AD-A236213] 19 p3180 N91-27584
A study on particle dispersion in two-dimensional mixing layer flows 20 p3347 N91-28537
On the dispersion of heavy particles by turbulent motion 22 p3674 N91-30458

WASHINGTON STATE UNIV., RICHLAND.
GaAs solar cells for laser power beaming 22 p3635 N91-30229

WASHINGTON UNIV., RICHLAND.
Investigation of axial positioning for flexural compressors [NASA-CR-185711] 18 p2996 N91-26544

WASHINGTON UNIV., SAINT LOUIS, MO.
Physical interpretation and application of principles of ultrasonic nondestructive evaluation of high-performance materials [NASA-CR-180489] 01 p0049 N91-10293
Organization, access, and exploration facilities for large geophysical databases: DATSAV surface meteorological data [AD-A225132] 03 p0427 N91-12394
Visibility data filters for Europe [AD-A225985] 04 p0549 N91-13046
Non-empirical interatomic potentials for transition metals, alloys, and semiconductors [DE91-002396] 05 p0727 N91-14062
Cosmos 2044 [NASA-CR-187003] 06 p0852 N91-14702
Compressive strength and modes of failure in polymeric composites 09 p1303 N91-17151
Instellar grains within interstellar grains 11 p1820 N91-19998
Cosmic dust: Laboratory analyses of extremely small particles 11 p1822 N91-20013
Molecular mechanism of voltage-dependent ion channels [AD-A229777] 12 p1976 N91-20871
Reaction studies of hot silicon, germanium and carbon atoms [DE91-006921] 12 p1978 N91-20885

An analytic study of general dynamic model and nonlinear feedback control of flexible robot arms
15 p2436 N91-23497
Control of biosonar behavior by the auditory cortex
[AD-A232699] 15 p2475 N91-23708
Degeneration of linear multivariable systems under high gain and dynamic compensation
15 p2497 N91-23830
Hierarchic models for laminated composites
[AD-A233258] 16 p2589 N91-24350
Oxygen and iron production by electrolytic smelting of lunar soil 16 p2594 N91-24371
SIMS analysis of extended impact features on LDEF experiment 16 p2711 N91-25006
Oxygen and iron production by electrolytic smelting of lunar soil 17 p2748 N91-25208
Lunar oxygen and metal for use in near-Earth space: Magma electrolysis 17 p2755 N91-25248
Lunar resources: Toward living off the lunar land
17 p2755 N91-25249
Electrolysis of lunar soil to produce oxygen and metals 17 p2901 N91-26023
Magma Electrolysis: An update
17 p2901 N91-26024
A geochemical assessment of possible lunar ore formation 17 p2901 N91-26027
On prediction and discovery of lunar ores
17 p2902 N91-26028
Theory of radar target discrimination
[AD-A234172] 18 p2974 N91-26420
Hierarchic models for laminated plates
[NASA-CR-188638] 19 p3117 N91-27223
A chemically reacting, turbulent stratified interface
20 p3281 N91-28144
Geometrically nonlinear analysis with the p-version of the finite element method 22 p3691 N91-30553

WASHINGTON UNIV., SEATTLE.

Simulations and observations of cloudtop processes
01 p0084 N91-10496
In situ measurements of ship tracks
01 p0086 N91-10507
Measurements of the light-absorbing material inside cloud droplets and its effect on cloud albedo
01 p0091 N91-10528
Experiments on linear high beta helical axis stellarators to study simulated toroidal effects and Alfven-wave heating
[DE90-016122] 01 p0125 N91-10738
Numerical simulation of shock-induced combustion for application to the ram accelerator concept
02 p0157 N91-10912
Meteorological characteristics of the El Nino/Southern Oscillation phenomenon 02 p0240 N91-11340
Two and three dimensional magnetotelluric inversion
[DE90-016187] 02 p0254 N91-11411
Use of power balance to model converging flows in bilateral junctions for ventilation systems
[AD-A224684] 03 p0364 N91-12040
A SEM procedure for quantifying transgranular fracture in brittle material
[AD-A225211] 03 p0382 N91-12132
Recent hypersonic Navier/Stokes calculations
04 p0463 N91-12592
Slope reinforcement design using geotextiles and geogrids
[AD-A226113] 04 p0513 N91-12849
Free-electron lasers with very slow wiggler taper
[DE91-001139] 04 p0530 N91-12939
A user-friendly graphics toolkit for network management
[AD-A225809] 04 p0562 N91-13120
Natural laminar flow application to transport aircraft
04 p0594 N91-13314
Supernova neutrinos, giant resonances, and nucleosynthesis
[DE91-001148] 04 p0609 N91-13387
A study of the ice-hail charge separation mechanism using a thunderstorm electrification model with explicit microphysics in a kinematic framework
05 p0689 N91-13835
Status of lattice field theory calculations
[DE91-001141] 05 p0726 N91-14057
Optical and near-IR study of LMC HII region N11AB
05 p0745 N91-14155
HII regions in dwarf irregular galaxies of the local group 05 p0745 N91-14156
Starburst outflows from nearby galaxies
05 p0759 N91-14219
Modeling pCO2 in the upper ocean: A review of relevant physical, chemical, and biological processes
[DE91-004696] 07 p1032 N91-15664
Analytical and numerical studies in flow development
[DE90-010424] 08 p1137 N91-16258
Nonlinear resonance
[DE90-010428] 08 p1151 N91-16341
Parity violation and electron scattering
[DE90-010429] 08 p1219 N91-16712
Elementary particle physics: Experimental
[DE91-005574] 09 p1395 N91-17679
X ray and gamma ray spectroscopy of solids under pressure
[DE91-005566] 09 p1412 N91-17769
Herbig-Haro objects 09 p1429 N91-17864
Megawatt solar power systems for lunar surface operations 10 p1480 N91-18157
An alternative approach to disturbances in boundary layers
[DE91-005594] 10 p1522 N91-18382
Mercury Orbiter: Report of the Science Working Team
[NASA-TM-4255] 10 p1624 N91-18960
Multirate sampled-data yaw-damper and modal suppression system design
[NASA-CR-188017] 12 p1843 N91-20130
Dynamic fracture analysis by moire interferometry
[AD-A230383] 12 p1913 N91-20524
The first direct measurements of upper oceanic crustal compressional wave attenuation
[AD-A229902] 12 p1926 N91-20599
Advanced numerical techniques of performance evaluation, volume 1
[AD-A230292] 12 p1963 N91-20800
Advanced numerical techniques of performance evaluation, volume 2
[AD-A230293] 12 p1963 N91-20801
General three-dimensional disturbances to inviscid Couette flow
[DE91-009593] 13 p2082 N91-21474
Report of the panel on the land surface: Process of change, section 5 13 p2106 N91-21594
On the response of the special sensor microwave/imager to the marine environment: Implications for atmospheric parameter retrievals
[NASA-CR-188032] 13 p2119 N91-21664
Robust integrated autopilot/autothrottle design using constrained parameter optimization
[NASA-CR-188011] 14 p2196 N91-22127
Reliable numerical computation in an optimal output-feedback design
[NASA-CR-188191] 14 p2318 N91-22804
Biaxial Bianchi type 9 quantum cosmology
[DE91-009610] 14 p2338 N91-22925
A new mechanism for neutralizing the cosmological constant
[DE91-009790] 14 p2347 N91-22983
Thermo-viscoelastic behavior of composite materials
15 p2393 N91-23243
Numerical simulations of instabilities in compressible mixing layers 15 p2421 N91-23412
The annual march of convection, sea surface temperature, and surface winds in the tropics
15 p2466 N91-23667
Observed changes in the activity of baroclinic waves and their feedbacks during the life cycles of low-frequency circulation anomalies in the Northern Hemisphere winter
15 p2467 N91-23668
In-situ surface x ray scattering measurements of electrochemically deposited bismuth on silver (III): Structure, compressibility, and comparison with ex-situ leed measurements
[AD-A232624] 15 p2505 N91-23880
Surface x ray scattering measurements of the substrate induced spatial modulation of an incommensurate adsorbed monolayer
[AD-A232625] 15 p2518 N91-23959
Access and efficiency in Reagan-era information policy: A case study of the attempt to privatize the National Technical Information Service 15 p2522 N91-23977
H II regions and young star clusters in the magellanic clouds 15 p2527 N91-24004
Phenomenological aspects of scalar fields in astrophysics, cosmology and particle physics
15 p2529 N91-24014
Ultraviolet gas absorption and dust extinction toward M8 and the outer galactic disk 15 p2530 N91-24018
Synthesis and study of metallonitride complexes and polymers
[AD-A232949] 16 p2605 N91-24434
Tracer transport in the stratosphere deduced from satellite data and a two-dimensional model
16 p2656 N91-24695
Numerical algorithms for parallel computers
[AD-A233348] 16 p2670 N91-24775
Self-propelled slender axisymmetric body flows: Errors in the Poisson equation field calculation
17 p2729 N91-25110
Oxygen production by electrolysis of molten lunar regolith 17 p2752 N91-25234
Numerical simulation of oblique detonation and shock-deflagration waves with a laminar boundary layer
17 p2775 N91-25356
Thermoviscoplastic response of Ti-15-3 under various loading conditions
[NASA-CR-188621] 17 p2791 N91-25443
Microphysical, chemical and meteorological aspects of aerosol hazes in the Arctic 17 p2813 N91-25551
Numerical simulation of equatorial easterly waves forced by cumulus convection 17 p2814 N91-25552
Experimental investigation of free shear-layer optics
17 p2863 N91-25836
Damage accumulation in advanced metal matrix composites under thermal cycling
[AD-A235002] 18 p2942 N91-26227
Dynamic fracture responses of Al2O3, Si3N4, and SiC(w)/Al2O3
[AD-A235286] 18 p2942 N91-26229
A combined XPS-ISS modulated molecular beam investigation of the reactions of oxygen and fluorine with silicon surfaces
[AD-A234867] 18 p2948 N91-26269
A basic guide to overlay design using nondestructive testing equipment data
[AD-A234472] 18 p2971 N91-26403
Process study of sorted patterns on Arctic soils
[AD-A234089] 18 p3011 N91-26628
Vertical incidence backscatter and surface forward scattering from near-surface bubbles
[AD-A234432] 18 p3056 N91-26880
Resonant jets for turbine cooling
[AD-A236755] 19 p3106 N91-27162
Materials Chemistry Symposium, American Chemical Society Northwest Regional Meeting
[AD-A235440] 19 p3122 N91-27250
Progress in multirate digital control system design
[NASA-CR-187561] 19 p3233 N91-27877
Optical properties of plane shear layers under periodic disturbances
[AD-A236514] 19 p3246 N91-27952
The ultraviolet spectrum of HH 24A and its relation to optical spectra
[NASA-CR-188649] 19 p3264 N91-28051
The effect of ductile innerlayers on the mechanical performance of fiber-reinforced composite materials
20 p3305 N91-28295
Studies in cloud physics: Electrification, glaciation, and turbulence 20 p3372 N91-28684
Formation and sustainment of a very low aspect ration tokamak using coaxial helicity injection (the Helicity Injected Torus (HIT) experiment)
[DE91-013948] 20 p3420 N91-28967
Chaos and microbial systems
[DE91-014908] 20 p3436 N91-29064
Isotopic measurements of solar noble gases in individual micrometeorites from Greenland and Antarctica
20 p3444 N91-29114
High-overtone black-hole normal modes: A WKB contour-integral approach 20 p3445 N91-29118
A new model of PeV gamma ray sources and MHD turbulence in neutron star accretion columns
20 p3445 N91-29122
Hierarchic extensions in the static and dynamic analysis of elastic beams 21 p3531 N91-29613
Hamiltonian 3-D ray tracing in the oceanic waveguide on the ellipsoidal earth
[AD-A237458] 21 p3546 N91-29700
Perturbation techniques for models of bursting electrical activity in pancreatic (beta)-cells
[DE91-013901] 21 p3548 N91-29715
NW lab for integrated systems
[AD-A237118] 21 p3554 N91-29749
Nuclear theory progress report
[DE91-013908] 21 p3573 N91-29866
Turbulent mixing in exponential transverse jets
[AD-A229435] 22 p3671 N91-30441
X ray and gamma ray spectroscopy of solids under pressure
[DE91-016948] 23 p3812 N91-31263
On the response of the special sensor microwave/imager to the marine environment: Implications for atmospheric parameter retrievals
23 p3893 N91-31727
Neural network based model reference adaptive control 23 p3917 N91-31877
Color transparency: Enchantment and effort
[DE91-016951] 24 p4097 N91-32890
High energy from space 24 p4119 N91-33023
Coalescing binary systems of compact objects to (post) sup 5/2 Newtonian order: Late-time evolution and gravitational radiation emission
24 p4122 N91-33037

WATERLOO UNIV. (ONTARIO).

An examination of the relationship between Surface Enhanced Raman Scattering (SERS) intensities and surface concentration for pyridine adsorbed at the polycrystalline gold/aqueous solution interface
[AD-A224801] 03 p0344 N91-11925

Fatigue life predictions of notched components: Crack intitiation 07 p1016 N91-15576
Weight functions for edge and surface semi-elliptical cracks in weldments 07 p1016 N91-15579
Residual stresses in fatigue 07 p1017 N91-15585
A Raman spectroscopic and electrochemical study of the photoinduced crystallization of triethylenediamine triiodide upon a silver electrode
[AD-A232828] 15 p2519 N91-23963
Adsorption of pyridine at the Au(111)-solution intererface
[AD-A233347] 16 p2598 N91-24399
The application of concentration-distance profiling Raman microspectroscopy to the study of the photoinduced crystallization of triethylenediamine triiodide upon a silver electrode
[AD-A233000] 16 p2605 N91-24436
Vibrational spectroscopic studies of electrode surfaces and technologically important electrolyte solutions
[AD-A235892] 19 p3125 N91-27264

WAVE PRO, INC., RADNOR, PA.
Pulse propagation in temporally dispersive media
[AD-A229398] 22 p3748 N91-30895

WAYNE STATE UNIV., DETROIT, MI.
Analysis of the leading edge effects on the boundary layer transition
[NASA-CR-187361] 05 p0614 N91-13405
Annealing characteristics of irradiated hydrogenated amorphous silicon solar cells 11 p1672 N91-19214
Doping and diffusion in HgCdTe
[AD-A232950] 16 p2694 N91-24914
Reactive characterization as a probe of the nature of catalytic sites
[DE91-014536] 20 p3312 N91-28333
Active control of panel vibrations induced by boundary-layer flow
[NASA-CR-188733] 20 p3365 N91-28643
Photoinduced charge and energy transfer processes in molecular aggregates
[DE91-014383] 20 p3403 N91-28864
Annealing characteristics of amorphous silicon alloy solar cells irradiated with 1.00 MeV protons
22 p3638 N91-30246
Thin film cell development workshop report
22 p3639 N91-30250
Theoretical investigations of negative ions in a hydrogen source
[AD-A229486] 22 p3752 N91-30914

WEA, CAMBRIDGE, MA.
NDE pattern recognition of LSS states via wave propagation
[AD-A234772] 18 p2997 N91-26549

WEAPONS SYSTEMS RESEARCH LAB., ADELAIDE (AUSTRALIA).
Basic rheology and its application to nitrocellulose propellant processing by screw mix-extruders
[AD-A230872] 13 p2058 N91-21326
A generic inertial navigation system model for computer simulation studies
[AD-A236849] 19 p3104 N91-27149
Turbo Pascal/GEM software interface for scientific graph preparation
[AD-A236825] 19 p3231 N91-27860
A procedure for generating run-synchronised disjoint streams of pseudo-random numbers for use in simulation
[AD-A236027] 19 p3237 N91-27902

WEATHER WING (1ST), HICKAM AFB, HI.
An overview of tropical circulation
[AD-A234984] 18 p3014 N91-26645

WEATHER WING (4TH), CAPE CANAVERAL AFS, FL. DETACHMENT 11.
Assessment and forecasting of lightning potential and its effect on launch operations at Cape Canaveral Air Force Station and John F. Kennedy Space Center
24 p4064 N91-32704

WEBB INST. OF NAVAL ARCHITECTURE, GLEN COVE, NY.
Liquid sloshing in cargo tanks. Liquid slosh loading in slack ship tanks: Forces on internal structure and pressures
[PB91-129262] 11 p1704 N91-19383

WEHRTECHNISCHE DIENSTSTELLE FUER LUFTFAHRZEUGE, MANCHING (GERMANY, F.R.).
Design considerations based upon low temperature starting tests on military aircraft turbo engines
23 p3793 N91-31157

WEIZMANN INST. OF SCIENCE, REHOVOTH (ISRAEL).
Eighth International Symposium on Affinity Chromatography and Biological Recognition: Program and abstracts
[ITN-91-85064] 14 p2293 N91-22681
Soluble cytokine-receptors are present in normal human urine 14 p2294 N91-22684
Avidin-biotin technology 14 p2294 N91-22685
New developments and applications of immunoassay technology 14 p2294 N91-22686
High performance thiophilic adsorption for antibody purification 14 p2294 N91-22687
Affinity-repulsion chromatography
14 p2295 N91-22688
Biased galaxy formation in the neutrino scenario
15 p2498 N91-23839

WENTWORTH INST., BOSTON, MA.
The use of computers in a materials science laboratory 12 p1860 N91-20214
Crystal growing 12 p1860 N91-20215

WERNER UND PFLEIDERER G.M.B.H. (GERMANY, F.R.).
Development of polymer alloys for electrical engineering applications 24 p4115 N91-33000

WESLEY HOSPITAL, BRISBANE (AUSTRALIA).
The QT interval in lightning injury with implications for the cessation of metabolism hypothesis
24 p4049 N91-32621
Further identification and treatment modalities in telephone mediated lightning strike
24 p4050 N91-32622

WEST VIRGINIA INST. OF TECH., MONTGOMERY.
Development of SEDS data system flight software
10 p1633 N91-19004

WEST VIRGINIA STATE COLL., CHARLESTON.
Low frequency electric and magnetic fields
17 p2881 N91-25929

WEST VIRGINIA UNIV., MORGANTOWN.
A unique problem of muscle adaptation from weightlessness: The deceleration deficiency
01 p0100 N91-10582
Reaction kinetics of the Ca-SO2 system in absence of inter-grain pore diffusion
[DE90-009672] 01 p0132 N91-10781
Theoretical and numerical studies of constitutive relations for frictional granular flow
[DE90-009662] 02 p0214 N91-11194
Reduced-order filtering for flexible space structures
04 p0600 N91-13342
Aerodynamic drag characterization and deposition studies of irregular particles. Part 3: Analysis of flow and temperature field inside the Combustion Deposition Entrained Reactor (CDER)
[DE90-000466] 08 p1137 N91-16259

WESTAT RESEARCH, INC., ROCKVILLE, MD.
Scientific and engineering research facilities at universities and colleges, 1990
[PB90-272006] 09 p1424 N91-17837

WESTINGHOUSE DEFENSE AND ELECTRONIC SYSTEMS CENTER, BALTIMORE, MD.
Saberliner flight test for airborne wind shear forward looking detection and avoidance radar systems
16 p2553 N91-24149
High temperature superconductors. Westinghouse superconducting IR focal plane array
[AD-A233229] 16 p2694 N91-24917
Stable integrated microwave to optical modulator
[AD-A238166] 21 p3524 N91-29574

WESTINGHOUSE ELECTRIC CORP., BALTIMORE, MD.
Westinghouse superconducting IR focal plane array
[AD-A229652] 12 p1990 N91-20949

WESTINGHOUSE ELECTRIC CORP., MIDDLETOWN, RI.
Effects of streamwise pressure gradients on turbulence structure in the viscous layer
[AD-A225048] 03 p0365 N91-12041

WESTINGHOUSE ELECTRIC CORP., PITTSBURGH, PA.
Three-Man Solid Electrolyte Carbon Dioxide Electrolysis Breadboard
[NASA-CR-185612] 02 p0205 N91-11148
Evaluation of electromagnetic and electrothermal launchers for the BRL advanced test facility
[AD-A229661] 12 p1851 N91-20176
Research on silicon, carbon, and silicon carbide heterostructures
[AD-A231943] 14 p2249 N91-22444
Superconducting electronic film structures
[AD-A233473] 16 p2695 N91-24920
Precipitation in Alloy 718: A combined AEM and APFIM investigation
[DE91-009918] 18 p2956 N91-26314
Advanced study in solid transport: Rheological behavior of dense suspension
[DE91-009428] 18 p2982 N91-26467
Development of a current collection loss management system for SDI homopolar power supplies
[DE91-012779] 20 p3367 N91-28652

WESTINGHOUSE HANFORD CO., RICHLAND, WA.
Structural integrity assessment of concrete slabs by nondestructive examination and Fourier transform-infrared methods
[DE90-017233] 01 p0050 N91-10296
Corrosion behavior of copper-base materials in a gamma-irradiated environment
[DE91-001286] 06 p0809 N91-14468
SP-100 design, safety, and testing
[DE90-015374] 09 p1398 N91-17693
A comparison between classical and substructuring finite-element stress analysis of a complex vacuum vessel shell
[DE91-010035] 15 p2444 N91-23540
Use of personal computers in performing a linear modal analysis of a large finite-element model
[DE91-010112] 15 p2445 N91-23541
Fatigue evaluation of piping systems with limited vibration test data
[DE91-007167] 15 p2445 N91-23543
Buckling analysis of a complex vacuum vessel using the finite-element method
[DE91-010032] 15 p2446 N91-23546
Pre-test analysis of a pipe system for high-level vibration response and failure
[DE91-010835] 17 p2791 N91-25441
Parametric design calculations using Green's function to determine unique source
[DE91-014683] 21 p3572 N91-29861
The essential linearity of thermal radiation net transport
[DE91-016734] 24 p4113 N91-32990

WESTINGHOUSE IDAHO NUCLEAR CO., INC., IDAHO FALLS.
Improved plug valve computer-aided design of plug element
[DE91-001044] 05 p0669 N91-13719
Two-part-liquid-mixture percentage measurement using a flow-through capacitance sensor
[DE91-007584] 12 p1902 N91-20463

WESTINGHOUSE SAVANNAH RIVER CO., AIKEN, SC.
The effect of longitudinal spacer ribs on the minimum pressure drop in a heated annulus
[DE91-000784] 05 p0658 N91-13655
Mechanical properties of 1950's vintage Type 304 stainless steel weldment components
[DE91-004328] 05 p0679 N91-13774
Database management system for instrument data management
[DE91-004300] 05 p0731 N91-14084
A failure probability estimate of type 304 stainless steel piping
[DE91-004299] 07 p0979 N91-15372
Microstructure and yield strength effects on hydrogen-and-tritium-induced cracking in 21-6-9 stainless steel
[DE91-004327] 07 p0980 N91-15381
Defect characterization in pipe-to-pipe welds in large diameter stainless steel piping
[DE91-004279] 07 p1013 N91-15563
Client/server distributed processing using SUNOS remote procedure protocol
[DE91-005120] 07 p1050 N91-15762
A metallurgical evaluation of stress corrosion cracking in large diameter stainless steel piping
[DE91-005658] 09 p1314 N91-17215
Molecular modeling of metal hydrides. 2: Calculation of lattice defect structures and energies utilizing the embedded atom method
[DE91-006436] 09 p1316 N91-17226
Reflectional transformation for structural stiffness
[DE91-005680] 09 p1353 N91-17431
Initial report on molecular modeling of metal hydrides
[DE91-005747] 10 p1500 N91-18256
Client/server models for transparent, distributed computational resources
[DE91-007240] 10 p1567 N91-18614
Effects of radiolytic tritium decay on the thermodynamic behavior of LaNi(4.25)Al(0.75) tritides
[DE91-007961] 11 p1684 N91-19277
Evaluation of a Photo-Electron Rejecting Alpha Liquid Scintillation (PERALS) spectrometer for the measurement of alpha-emitting radionuclides
[DE91-005652] 11 p1707 N91-19399
An on-line real-time system for fatigue crack growth monitoring
[DE91-007931] 11 p1722 N91-19483
ARCHY (analysis and reverse engineering of code using hierarchy and Yourdon): A tool for FORTRAN code maintenance and development
[DE91-007241] 11 p1773 N91-19720
Gamma ray spectrometry of LDEF samples at SRS
16 p2708 N91-24988

WESTLAND AEROSTRUCTURES LTD., EAST COWES (ENGLAND).
Thermoplastics design development considerations for cryogenic tanks 03 p0330 N91-11844
Development of intelligent structures
03 p0334 N91-11876

WESTLAND HELICOPTERS LTD., YEOVIL (ENGLAND).
Fuselage aerodynamic design issues and rotor/fuselage interactional aerodynamics. Part 1: Practical design issues 10 p1460 N91-18052
Tactical support EH101 10 p1467 N91-18093

WESTON OBSERVATORY, MA.
NY-NEX Rayleigh wave signal and noise analysis at a seismic array
[AD-A230137] 12 p1922 N91-20577
WHITAKER COLL., MA.
Limits of precision for human eye motor control
[AD-A225515] 03 p0396 N91-12203
The shape of shading
[AD-A234419] 18 p3040 N91-26781
Extensions of a theory of networks and learning: Outliers and negative examples
[AD-A234425] 18 p3045 N91-26810
WICHITA STATE UNIV., KS.
Structural dynamics of plates and shells subjected to electro-impulse de-icing forces 03 p0380 N91-12120
The enhancement of air traffic control safety through pre-hire university based training programs 04 p0459 N91-12567
Dynamic behavior of the human body subjected to impact conditions with and without restraint 04 p0459 N91-12568
Edge delamination of composite laminates subject to combined tension and torsional loading 04 p0594 N91-13318
Aerodynamics support of research instrument development 04 p0597 N91-13331
Resin transfer molding of composite aircraft interior furnishings
[NIAR-90-19] 07 p0940 N91-15153
The effect of paint removal by natural bead blasting on the surface morphology of composite materials
[NIAR-90-24] 07 p0972 N91-15335
The effect of negative Poisson's ratio on the fracture behavior of composite laminates
[NIAR-90-30] 07 p0972 N91-15336
Modeling of thin Au/Ni multilayers
[NIAR-91-2] 07 p0983 N91-15394
Design of a wall-scaling robot for inspection and maintenance
[NIAR-90-22] 07 p1012 N91-15557
Optimization of spur gear systems by tooth profile and face width modifications
[NIAR-90-23] 07 p1012 N91-15558
A generalized contact/impact analysis of mechanical systems
[NIAR-90-27] 07 p1012 N91-15559
Local plasticity effect in impact analysis of solids
[NIAR-90-29] 07 p1020 N91-15601
A comparison of the post-buckling behavior of metallic and composite plates with centrally located cutouts
[IAR-89-11] 07 p1020 N91-15602
International aircraft operator information system, phase 2
[NIAR-90-31] 07 p1077 N91-15928
Comparative study of phosphosilicate glass on (100) silicon by furnace and rapid isothermal annealing
[NIAR-90-26] 08 p1120 N91-16153
Study of precipitation and deformation characteristics of the aluminum-lithium alloy by x ray double crystal diffractometry
[NIAR-90-25] 09 p1312 N91-17200
Finite size effects and film materials
[NIAR-90-28] 09 p1317 N91-17233
Proceedings: Techfest 17
[NIAR-91-1] 10 p1453 N91-18004
Automated inspection system for aging aircraft 10 p1453 N91-18009
Four-legged surface-climbing robot for the inspection of aging aircraft 10 p1453 N91-18010
Neural networks in flaw detection 10 p1454 N91-18011
Environmental effects on delamination of graphite epoxy composites 10 p1454 N91-18014
Use of natural particles for the removal of paint from aeronautical composite materials 10 p1454 N91-18015
Analysis of residual stress in plastic-media-blasted thin aluminum skin by x-ray double crystal diffractometry 10 p1454 N91-18016
Effects of induced surface scratches on the fatigue of aeronautical materials 10 p1454 N91-18017
Study of the aging and deformation characteristics of Al-Li alloys by x-ray analysis 10 p1455 N91-18018
Assessment of material parameters governing the plastic deformation in uniaxial tension of Al-Li alloys 10 p1455 N91-18019
Aviation safety enhancements through the international aircraft database research project 10 p1455 N91-18020
Computer simulations of an aircraft occupant-restraint system 10 p1455 N91-18021
An overview of information resources in aviation 10 p1455 N91-18022
Experimental studies of general aviation wings at high angles of attack 10 p1455 N91-18023
Modeling high angle-of-attack forces and moments using a neural network 10 p1455 N91-18024
Computational fluid dynamics in aerospace engineering at Wichita State University 10 p1456 N91-18025
Experimental study of inlet lips designed to create a uniform exit velocity profile 10 p1456 N91-18026
LDV measurements of a jet in a crossflow 10 p1456 N91-18027
Heat sink effects in VPPA welding 10 p1634 N91-19013
Dedication of National Institute for Aviation Research
[NIAR-90-21] 11 p1639 N91-19040
Comparison of the post-buckling behavior of metallic and composite plates with centrally located cu touts
[PB91-118844] 13 p2101 N91-21563
Airline quality rating
[NIAR-91-11] 14 p2190 N91-22098
The effect of special orientation on the fracture behavior of graphite/epoxy laminates
[NIAR-90-33] 14 p2241 N91-22401
Superplasticity study of 1420 and 1421 Al-Li alloys
[NIAR-91-12] 14 p2246 N91-22427
Stretch formability of sheets of Al-Li alloys, part 2
[NIAR-91-10] 14 p2246 N91-22428
Effects of surface generated scratches on the fatigue life of Al-Li alloys, part 1
[NIAR-91-9] 14 p2246 N91-22429
A comparison of corrosion fatigue properties of 6013 bare, alclad 2024 bare aluminum alloy sheet materials
[NIAR-91-8] 14 p2247 N91-22430
X ray rocking curve analysis of aging and deformation characteristics in Al-Li alloys
[NIAR-91-5] 14 p2247 N91-22431
Preparation and characterization of polyelectrolyte copolymers containing methyl methacrylate and 2-hydroxyethyl methacrylate. Part 1: Polymers based on methacrylic acid
[NIAR-91-4-PT-1] 14 p2251 N91-22453
Business plans for the Institute for Aviation Research, FY 1990 - FY 1995
[IAR-89-15] 14 p2354 N91-23020
Kansas Aviation Review
[NIAR-91-3] 16 p2543 N91-24087
Evaluation of automation for inspection of aging aircraft 16 p2543 N91-24088
Additional secondary certification in aerospace education for Kansas educators 16 p2543 N91-24089
Cognitive performance capabilities in the cockpit 16 p2543 N91-24090
An overview of information resources in aviation 16 p2543 N91-24091
Demand estimation for collegiate aviation academic programs 16 p2543 N91-24092
Program plans for aviation safety research
[NIAR-90-32] 16 p2554 N91-24157
Feasibility study in crack detection in aircraft stiffened panels by pulse probing and deconvolution 16 p2554 N91-24158
The effect of surface generated scratches on the fatigue life of aerospace materials 16 p2554 N91-24159
Bonded/fusion repair of aircraft structures 16 p2554 N91-24160
Crashworthiness experiments 16 p2554 N91-24161
Analysis of commuter aircraft seat-type structures in a crash environment 16 p2554 N91-24162
Mechanical paint removal techniques for composite aircraft 16 p2555 N91-24163
The effects of freeze/thaw cycles on bonded joints and composite materials 16 p2555 N91-24164
Human factors cockpit: A system and human factors program to enhance safety and efficiency in single pilot IFR and terminal area operations 16 p2555 N91-24165
Characterization of Acetylene Terminated Sulfone (ATS) resin. Part 1: Chemical characterization of the resin
[NIAR-91-6-PT-1] 16 p2603 N91-24424
Characterization of Acetylene Terminated Sulfone (ATS) resin. Part 2: Thermal analysis of the resin
[NIAR-91-7-PT-2] 16 p2604 N91-24425
Design and analysis surface-climbing robot
[NIAR-91-19] 17 p2783 N91-25401
Impact characterization of graphite fiber reinforced thermoplastic laminates
[NIAR-91-16] 21 p3469 N91-29241
TGA experimental data analyzed by transpiration theory
[NIAR-91-21] 21 p3473 N91-29263
High temperature Knudsen effusion-mass spectrometric studies of the Y-Ba-Cu-O system
[NIAR-91-23] 21 p3592 N91-29981
Marketing for collegiate aviation education
[NIAR-91-18] 21 p3602 N91-30042
KQIN: Kansas Quality Improvement Network. A report outlining a statewide quality improvement plan
[NIAR-91-20] 22 p3690 N91-30544
Women in the aerospace engineering faculty of higher education
[NIAR-91-22] 22 p3762 N91-30971
A brief examination and comparison between the Federal motor vehicle safety standards and the Federal aviation regulations
[NIAR-91-25] 22 p3770 N91-31020
Electromagnetic emissions from an electro-impulse deicing system in a composite wing equipped with lightning protection
[DOT/FAA/CT-TN90/32] 24 p3988 N91-32284
WICKERSHEIMER ENGINEERS, INC., CHAMPAIGN, IL.
Tutorial guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228402] 10 p1568 N91-18624
User's guide: Computer Aided Structural Modeling (CASM), version 1.01
[AD-A228456] 10 p1569 N91-18625
WIEN UNIV. (AUSTRIA).
Vertically moving visual stimuli and vertical vection: A tool against space motion sickness 11 p1747 N91-19606
Boron nitride and silicon nitride systems
[AD-A238080] 21 p3489 N91-29359
WILLIAMS INTERNATIONAL, WALLED LAKE, MI.
Small Engine Component Technology (SECT) studies
[NASA-CR-175080] 16 p2561 N91-24206
WILSON GREATBATCH LTD., CLARENCE, NY.
Manufacture and evaluation of Li/BCX DD cells
[NASA-CR-185610] 04 p0517 N91-12874
Feasibility of a super high energy density battery of the Li/Br/F3 electrochemical system
[AD-A225508] 04 p0518 N91-12884
WINAND STARING CENTRE, WAGENINGEN (NETHERLANDS).
Evaluation of crop transpiration with remote sensing and computer simulation models
[REPT-1] 08 p1168 N91-16431
Digital analysis of satellite data and numerical simulation applied to irrigation water management by means of a database system
[REPT-4] 10 p1538 N91-18465
High and low resolution satellite images to monitor agricultural land
[REPT-18] 10 p1538 N91-18468
Estimation of rainfall in Zambia using METEOSAT-TIR data
[REPT-12] 10 p1557 N91-18563
Activities report of the Winand Staring Center
[ISBN-90-327-0239-4] 10 p1612 N91-18897
Assessment of the green areas of Riyadh (Saudia Arabia)
[REPT-21] 17 p2801 N91-25500
Application of thematic mapper images to determine regional evaporation from the playas in the western desert of Egypt
[REPT-31] 18 p3003 N91-26585
WISCONSIN UNIV., MADISON.
Organometallic chemistry of bimetallic compounds
[DE90-017601] 01 p0020 N91-10121
Thin film thermometers and flowmeters for applications in liquid helium 01 p0045 N91-10265
Analysis of moving strong discontinuity surfaces in elastic-plastic solids including effects of inertia and finite strain 01 p0055 N91-10323
Where are cirrus clouds and why are they there 01 p0074 N91-10450
Optical and morphological properties of Cirrus clouds determined by the high spectral resolution lidar during FIRE 01 p0076 N91-10458
Multi-spectral window radiance observations of Cirrus from satellite and aircraft, November 2, 1986 Project FIRE 01 p0078 N91-10465
Comparison of NOAA-9 ERBE measurements with Cirrus IFO satellite and aircraft measurements 01 p0079 N91-10471
Cloud altitude determination from infrared spectral radiances 01 p0079 N91-10474
Interpretation of the optical and morphological properties of Cirrus clouds from lidar measurements 01 p0081 N91-10483
Both sides now 01 p0082 N91-10485
The relationship of marine stratus to synoptic conditions 01 p0082 N91-10489
Two-dimensional magnetohydrodynamic equilibria with flow and studies of equilibrium fluctuations 01 p0123 N91-10727
Self-consistent field error effects in reversed field pinch plasmas 01 p0123 N91-10728
A computational model for z-pinch plasma channels 01 p0123 N91-10730

Models of plasma confinement and heating in tokamaks
[DE90-016671] 01 p0126 N91-10741
Theoretical studies of turbulence and anomalous transport in toroidal confinement devices
[DE90-017606] 01 p0126 N91-10747
Stellarator theory
[DE90-017607] 01 p0126 N91-10748
Morphological analysis of ionomers
[DE90-017611] 02 p0201 N91-11124
High-power microwave transmission systems for electron cyclotron resonance plasma heating, volume 5
[DE90-017600] 02 p0206 N91-11152
The evolution of resistive ballooning modes in the banana-plateau collisionality regime
[DE90-016672] 02 p0272 N91-11525
Confinement and fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE90-018019] 02 p0273 N91-11535
Fluctuations and stability in the Advanced Toroidal Facility (ATF) torsatron
[DE90-017734] 02 p0273 N91-11536
A search for very high energy gamma-rays from Cygnus X-3 02 p0296 N91-11658
Observations of the soft x ray background 02 p0297 N91-11663
Nonlinear transient finite element solutions of viscoelastic-viscoplastic problems 03 p0378 N91-12113
Soft constrained minimum variance beamforming
[AD-A226260] 04 p0516 N91-12868
High power density dc/dc converter: Component selection and design
[NASA-CR-186965] 04 p0517 N91-12873
Reduced degree of freedom minimum variance spectrum estimation
[AD-A226466] 04 p0577 N91-13211
Development and initial characterization of a nuclear magnetic resonance dosimetry system
[DE91-001775] 05 p0694 N91-13867
CO aperture synthesis of NGC 4038/9 (ARP 244) 05 p0738 N91-14123
Cloud cover statistics
[AD-A226892] 06 p0849 N91-14689
The relationship between IR, optical, and UV extinction 06 p0887 N91-14899
Infrared emission from ultracompact H II regions 06 p0895 N91-14942
Reversed field pinch studies
[DE91-004025] 07 p1068 N91-15877
Phase selection and processing of high temperature intermetallic alloys
[AD-A227910] 08 p1115 N91-16129
Field measurement of head related transfer functions
[AD-A227850] 08 p1218 N91-16708
The Madison symmetric torus
[DE90-010306] 08 p1226 N91-16757
ASTROMAG coil cooling study
[NASA-CR-187768] 08 p1236 N91-16813
The kinematics and morphology of NGC 520: One, two, or three galaxies 08 p1255 N91-16908
An inventory of four-dimensional data sets for the earth sciences
[NASA-CR-184082] 09 p1353 N91-17434
The balance of dynamic vorticity for the Presidents' Day storm 09 p1362 N91-17486
Management and display of four-dimensional environmental data sets using McIDAS
[NASA-CR-184081] 09 p1379 N91-17579
Global confinement in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004921] 09 p1406 N91-17735
Mars penetrator sample retrieval system 10 p1483 N91-18172
Edge fluctuations in the MST (Madison Symmetric Torus) reversed field pinch
[DE91-004923] 10 p1600 N91-18827
Modified polynomial function model for reversed field pinches
[DE91-007662] 10 p1603 N91-18847
Diffuse gas in the interstellar medium: Studies involving coupled ionization, radiation and dynamics 10 p1617 N91-18914
Impact of inertia, friction, and backlash upon force control in telemanipulation 12 p1935 N91-20648
Comparison of force and tactile feedback for grasp force control in telemanipulation 12 p1937 N91-20655
Spline functions and surfaces
[AD-A230651] 12 p1971 N91-20845
X ray absorption by dark nebulae (HEAO-2 guest investigator program)
[NASA-CR-188076] 12 p2001 N91-21011
Containerless processing of undercooled melts 13 p2060 N91-21339
Supercritical microgravity droplet vaporization 13 p2062 N91-21354
Adaptive detection in subspaces
[AD-A231023] 13 p2154 N91-21876
Inelastic collisional processes of molecules
[AD-A231898] 14 p2323 N91-22833
Spectroscopy, reaction, and photodissociation of highly vibrationally excited molecules
[DE91-008840] 14 p2325 N91-22847
q-Dependence of magnetic turbulence in a tokamak
[DE91-009679] 14 p2329 N91-22867
Mars manned fusion spaceship
[NASA-CR-188215] 15 p2390 N91-23232
Phase equilibria and solidification of Al-Li and Al-Li-Cu alloys 15 p2400 N91-23290
Interphase transport and multistage separations
[DE91-009627] 15 p2423 N91-23425
Interdisciplinary research on viscoelasticity and rheology
[AD-A232700] 15 p2429 N91-23454
Finite element based dynamical modeling of flexible open-loop manipulators with experimental results 15 p2436 N91-23496
Assimilation of ERBE data with nonlinear programming technique to improve cloud cover diagnosis 15 p2466 N91-23663
The integration of remote sensing, geographic information system, and expert system technologies for landcover classification 15 p2481 N91-23733
Principal components of minus M-matrices
[AD-A232354] 15 p2495 N91-23818
Some problems in nonlinear analysis
[AD-A232701] 15 p2495 N91-23820
The envelopes of RV Tauri variables 15 p2528 N91-24008
Recent star formation and the galaxy collisions in NGC 520 15 p2531 N91-24021
The Black Widow pulsar PSR 1957+20: A potential VHE gamma-ray source 15 p2534 N91-24038
Numerical simulation of hole pressure for a Johnson-Segalman fluid
[AD-A233164] 16 p2625 N91-24537
Characterizing He 2 flow through porous materials using counterflow data
[NASA-CR-188453] 16 p2627 N91-24545
High frequency losses in induction motors, part 2
[NASA-CR-188443] 16 p2631 N91-24565
Collection and analysis of radar rainfall and satellite data for the Darwin TRMM experiment
[NASA-CR-188237] 16 p2659 N91-24710
Parallel solution of very large sparse linear programs
[AD-A232764] 16 p2668 N91-24762
Computation and theory in nonlinear optimization
[AD-A232908] 16 p2668 N91-24763
Fluid/kinetic hybrid moment description of plasmas via a Chapman-Enskog-like approach
[DE91-010969] 16 p2692 N91-24904
Unified plasma fluid/kinetic equations for tokamak microinstability and turbulence studies
[DE91-011010] 16 p2692 N91-24905
Theoretical studies of turbulence and anomalous transport in toroidal confinement devices
[DE91-011071] 16 p2693 N91-24908
High power density dc-to-dc converters for aerospace applications
[NASA-CR-188611] 17 p2769 N91-25321
Extraction of dynamical equations from chaotic data
[DE91-011762] 17 p2847 N91-25738
Self-consistent field error effects in reversed field pinch plasmas
[DE91-011426] 17 p2868 N91-25863
Magnetic fluctuation measurements in the Tokapole 2 tokamak
[DE91-011427] 17 p2868 N91-25864
Helium resources of Mare Tranquillitatis 17 p2905 N91-26043
Analytical solution of plane Poiseuille flow of a Johnson-Segalman fluid
[AD-A234313] 18 p2983 N91-26472
Terrestrial geophysics in the SeaRISE project 18 p3002 N91-26576
Structural and electrical properties of titanium-nickel films deposited onto silicon substrates
[AD-A236445] 19 p3159 N91-27465
Atomic-scale charge transport at the Si(001) surface
[AD-A236970] 19 p3160 N91-27474
Particle sizing using a two-dimensional image
[AD-A234074] 19 p3173 N91-27542
Atlas of the global distribution of atmospheric heating during the global weather experiment
[NASA-CR-4370] 19 p3201 N91-27694
Some problems in nonlinear analysis
[AD-A236246] 19 p3236 N91-27893
Chemical sensing applications of semiconductor photoluminescence
[AD-A235935] 19 p3252 N91-27993
Photoluminescence studies of silver-exchanged cadmium selenide crystals. Modification of a chemical sensor for aniline derivatives by heterojunction formation
[AD-A236000] 19 p3253 N91-27996
Diffraction determination of the structure of metastable three-dimensional crystals of Ge grown on Si(001)
[AD-A236871] 19 p3255 N91-28010
Thermodynamic and kinetic aspects of surface acidity
[DE91-014039] 20 p3311 N91-28331
Ordered ceramic membranes
[DE91-012248] 20 p3323 N91-28398
System and component design and test of a 10 hp, 18,000 rpm AC dynamometer utilizing a high frequency AC voltage link, part 1
[NASA-CR-188442] 20 p3348 N91-28539
Interactions between the north Pacific Ocean and the Northern Hemisphere atmosphere during El Nino 20 p3377 N91-28711
Hybrid fluid/kinetic descriptions of tokamak plasmas 20 p3407 N91-28888
Fluid/kinetic hybrid moment description of plasmas via a Chapman-Enskog-like approach
[DE91-013346] 20 p3417 N91-28949
Fluidlike studies of the presheath and sheath regions of a plasma
[DE91-013345] 20 p3418 N91-28953
Nonlinear reversed field pinch dynamics with nonideal boundaries
[DE91-013638] 20 p3419 N91-28961
Generalized gyroviscous force and its effect on the momentum balance equation
[DE91-013344] 20 p3435 N91-29061
Sawteeth in the MST reversed field pinch
[DE91-014288] 20 p3446 N91-29125
Problems in nonlinear continuum dynamics
[AD-A237844] 21 p3514 N91-29512
Three-dimensional mapping of atmospheric boundary layer structure and winds with a high performance lidar
[AD-A238098] 21 p3542 N91-29678
Approximation from shift-invariant surfaces of L2(IRd)
[AD-A238165] 21 p3566 N91-29826
Computational and theoretical aspects of nonlinear partial differential equations
[AD-A238495] 21 p3567 N91-29829
High energy physics: Experimental, Theoretical, and Phenomenology Institute
[DE91-015737] 21 p3580 N91-29912
Magnetic fluctuations due to thermally excited Alfven waves
[DE90-011790] 21 p3584 N91-29940
Fluidlike studies of the sheath and presheath regions of a plasma
[DE91-013343] 21 p3585 N91-29944
The effects of magnetic field errors on reversed field pinch plasma
[DE91-013636] 21 p3586 N91-29948
Total magnetic reconnection during a tokamak major disruption
[DE91-013637] 21 p3586 N91-29949
Edge electrostatic fluctuations and transport in the MST reversed field pinch
[DE91-015218] 21 p3588 N91-29959
Global confinement and discrete dynamo activity in the MST reversed field pinch
[DE91-015219] 21 p3588 N91-29960
Anomalous ion heating from the dynamo in a reversed field pinch
[DE91-015586] 21 p3589 N91-29966
Asymptotic finite strain analysis of propagating cracks in elastic-plastic materials 23 p3883 N91-31669
Environmental and cultural considerations for growth of potatoes in CELSS 23 p3902 N91-31779
Technology for subsystems of space-based plant growth facilities 23 p3905 N91-31799
Searching for the Higgs in ep collisions at LEP/LHC
[DE91-015701] 23 p3925 N91-31930
Fast neutron dosimetry
[DE91-016907] 24 p4097 N91-32894

WISCONSIN UNIV., MILWAUKEE.

Computer-controlled ion beam deposition systems for high T(sub c) superconductor and other multi-component oxide thin films and layered structures
[DE90-017798] 02 p0280 N91-11577
Li-SF6 combustion in stored chemical energy propulsion systems
[AD-A224846] 03 p0337 N91-11888
Hearing in three dimensions: Sound localization
[NASA-CR-187706] 05 p0712 N91-13971
From low to high Tc: An ultrasonic investigation of niobium single crystal and YBaCuO superconducting thin films with surface acoustic waves 08 p1237 N91-16822
Genesis lunar outpost: An evolutionary lunar habitat 10 p1481 N91-18158

Interfacial characteristic measurements in horizontal bubbly two-phase flow
[DE91-009803] 15 p2424 N91-23427
Bulk wave characterization of high T(sub c) superconductors
[AD-A234649] 18 p3069 N91-26954
Admissible motions in manipulator's workspace
22 p3686 N91-30523
Mechanisms mediating the perception of complex acoustic patterns
[AD-A229472] 22 p3750 N91-30901

WISCONSIN UNIV., PLATTEVILLE.
Information and problem report usage in system saftey engineering division 10 p1632 N91-18999

WISE OBSERVATORY, TEL AVIV (ISRAEL).
Matter in cosmic voids 15 p2498 N91-23838

WOLLONGONG UNIV. (AUSTRALIA).
Fluvial and lacustrine facies in the middle to late Devonian Pertnjara Group, Amadeus Basin, Northern Territory, and their relationship to tectonic events and climate 19 p3196 N91-27669

WOLVERTON ENVIRONMENTAL SERVICES, PICAYUNE, MS.
Plants and their microbial assistants: Nature's answer to Earth's environmental pollution problems
05 p0692 N91-13851

WOODS HOLE OCEANOGRAPHIC INST., MA.
The 1989 summer study program in geophysical fluid dynamics: General circulation of the oceans
[AD-A225571] 03 p0393 N91-12186
VOICE: A spectrogram computer display package
[AD-A225214] 03 p0406 N91-12262
An exploration of the North Atlantic current and its recirculation in the Newfoundland Basin using SOFAR floats
[AD-A226475] 04 p0550 N91-13050
Shipboard and satellite observations of upper ocean velocity and transport variability in the Gulf Stream
[AD-A226974] 06 p0850 N91-14694
Observations of ocean fluctuations between 15 and 23 hour periods in the Pacific
[AD-A227017] 06 p0851 N91-14695
The distribution of wave heights and periods for seas with unimodal bimodal power density spectra
[AD-A227040] 06 p0851 N91-14696
The high speed buffer board: A SAIL EIA-485 communications accelerator card for the vector measuring current meter
[AD-A227181] 08 p1125 N91-16185
Comparative design, modeling, and control analysis of robotic transmissions
[AD-A231738] 14 p2271 N91-22565
Altimeter processing tools for analyzing mesoscale ocean features
[AD-A231904] 14 p2292 N91-22677
Arctic remote autonomous measurement platform post CEAREX engineering report
[AD-A232843] 15 p2432 N91-23471
Near-equatorial deep circulation in the Indian and Pacific oceans
[AD-A232635] 15 p2471 N91-23691
The High Resolution Profiler (HRP): User's guide and software modifications documentation
[AD-A234640] 18 p3018 N91-26663
Ocean response to a hurricane. Part 2: Data tabulations and numerical modeling
[AD-A236059] 19 p3202 N91-27698
Stochastic modelling of seafloor morphology
[AD-A237063] 21 p3545 N91-29697
Course lectures abstracts of participants fellows project reports
[AD-A237909] 21 p3607 N91-30070

WOODWARD-CLYDE CONSULTANTS, PASADENA, CA.
Resolution of the pP paradox at Novaya Zemlya
[AD-A235959] 19 p3236 N91-27892

WOOLLAM (JOHN A.) CO., LINCOLN, NE.
Ground and space based optical analysis of materials degradation in low-Earth-orbit 12 p1952 N91-20737

WORCESTER POLYTECHNIC INST., MA.
Transient characteristics of unconfined fire plume-driven ceiling jets
[PB90-227976] 01 p0033 N91-10193
Feasibility study, software design, layout and simulation of a two-dimensional fast Fourier transform machine for use in optical array interferometry
[NASA-CR-186922] 05 p0698 N91-13885
Boundary effects, grain-size reduction, and normal stress differences in rapid granular shear flows
09 p1350 N91-17413
Integrated support structure for GASCAN 2
10 p1481 N91-18159
High altitude, microwave-powered atmospheric sampling aircraft 10 p1482 N91-18170
The effect of symmetry on the hydrodynamic stability of and bifurcation from planar shear flows
[AD-A232916] 16 p2624 N91-24531
Mechanisms of ilmenite reduction and their impact on the design of effective reactor systems
17 p2900 N91-26021
The formation of peroxonitrites and oxygen on Mars
17 p2912 N91-26078
Translating expert system rules into Ada code with validation and verification
[NASA-CR-187505] 18 p3043 N91-26800

WORLD HEALTH ORGANIZATION, GENEVA (SWITZERLAND).
International document on food irradiation
[DE91-615879] 13 p2128 N91-21715

WORLD METEOROLOGICAL ORGANIZATION, GENEVA (SWITZERLAND).
Analyzing long time series of hydrological data with respect to climate variability: Project description
[WCAP-3] 01 p0074 N91-10444
Proceedings of the WMO Region 3/4 Training Seminar on Climate Data Management and User Services
[WCDP-1] 01 p0074 N91-10445
Activities report of the World Meteorological Organization
[WMO-734] 01 p0094 N91-10547
The global climate system: Climate system monitoring, June 1986 to November 1988
[CSM-R-84/86] 09 p1365 N91-17504
World weather watch: Regional association 4: Hurricane operational plan, supplement 2
[WMO-524-SUPPL-2] 11 p1739 N91-19563
Proceedings of the 5th Planning Meeting on World Climate Programme-Water
[WCAP-11] 12 p1924 N91-20590
Scientific assessment of climate change. The policymakers' summary of the report of Working Group 1 to the Intergovernmental Panel on Climate Change
16 p2655 N91-24689
Report of Meeting of CLICOM Experts
[WCDP-9] 20 p3375 N91-28695
Extremes and design values in climatology
[WCAP-14] 22 p3710 N91-30650
Report of the Workshop on a CLICOM-HOMS Interface
[WCAP-16] 23 p3896 N91-31746
Report of the expert group on global baseline datasets
[WCDP-11] 24 p4045 N91-32598
Information of meteorological extremes for the design and operation of energy systems
[WCAP-13] 24 p4056 N91-32659

WORLD RADIATION CENTER, DAVOS (SWITZERLAND).
Irradiance variability of the sun
03 p0446 N91-12492

WOVEN STRUCTURES, INC., COMPTON, CA.
Tailorable advanced blanket insulation using aluminoborosilicate and alumina batting
[NASA-CR-177527] 16 p2608 N91-24452

WRIGHT LAB., EGLIN AFB, FL.
Thin layer Navier-Stokes solutions for transonic multibody interference
[AD-A234252] 24 p3949 N91-32072

WRIGHT LAB., WRIGHT-PATTERSON AFB, OH.
An expert system for the identification of silicon impurities using FTIR spectroscopy
[AD-A236504] 23 p3809 N91-31246

WRIGHT RESEARCH DEVELOPMENT CENTER, WRIGHT-PATTERSON AFB, OH.
Stage effects on stalling and recovery of a high-speed 10-stage axial-flow compressor
[AD-A225662] 03 p0314 N91-11758
Graphical inference in qualitative probabilistic networks
[AD-A225274] 03 p0408 N91-12280
Rydberg state Stark spectroscopy and applications to plasma diagnostics
[AD-A225248] 03 p0420 N91-12351
The mechanical property data base from an Air Force/industry cooperative test program on advanced aluminum alloys
[AD-A226410] 04 p0505 N91-12806
Integrated Electromagnetic System Simulator (IESS) post run analysis with DECALC/DECGRAPH and a truth data formatting program written in FORTRAN
[AD-A226116] 04 p0515 N91-12866
I3G VIRGO: Interactive Graphics for Geometry Generation and Visual Interactive Rapid Grid Generation. User's manual
[AD-A226117] 04 p0563 N91-13125
Comments on hypersonic boundary-layer transition
[AD-A227242] 06 p0778 N91-14314
Multi-system laser safety shutter controller
[AD-A229280] 09 p1342 N91-17372
Technology and design considerations for an advanced theater transport 10 p1466 N91-18085
Phase equilibrium modeling for high temperature metallization on GaAs solar cells
11 p1668 N91-19192
A generalized extraction system for VLSI
[AD-A230396] 12 p1892 N91-20404
Sensitivity analysis and optimization issues in NASTRAN 12 p1913 N91-20519
An experimental study of exit flow patterns in a multistage compressor in rotating stall
[AD-A231353] 13 p2026 N91-21143
The mechanical property data base from an Air Force/industry cooperative test program on advanced aluminum alloys (8090 extrusion)
[AD-A230903] 13 p2053 N91-21299
VHSIC Hardware Description Language (VHDL) benchmark suite
[AD-A231276] 13 p2136 N91-21761
A user's manual for fiber diffraction: The automated Picker and Huber diffractometers
[AD-A231802] 14 p2249 N91-22441
Tensile modulus by x ray diffraction: Instrument and method
[AD-A231991] 14 p2277 N91-22593
The handling qualities of the STOL and maneuver technology demonstrator from specification to flight test
15 p2371 N91-23117
Turbojet potential for hypersonic flight
15 p2377 N91-23155
Strain rate sensitivity of polymer-matrix composites under mode I delamination
[AD-A232761] 15 p2396 N91-23268
An experimental evaluation of combustor liner materials for solid fuel ramjet testing 16 p2578 N91-24289
The development of a liquid fueled gas generator for ducted rocket research 16 p2579 N91-24295
A modulation quality factor for Low Probability of Intercept (LPI) communications systems
16 p2616 N91-24483
Analytical certification of aircraft structures
16 p2645 N91-24641
Synthesis and properties of rigid-rod benzobisazole polymers containing benzothiazole pendent groups
[AD-A234742] 18 p2963 N91-26357
Low-velocity impact testing of thermoplastic and thermoset matrix composite materials
[AD-A236092] 19 p3119 N91-27234
Perceptual limitations of peripherally displayed colors on CRTs
[AD-A236289] 19 p3158 N91-27460
Investigation into the failure cause of a double acting, leading edge groove, tilting pad thrust bearing
[AD-A235613] 19 p3174 N91-27549
Recent developments in the area of aircraft rough field performance 20 p3283 N91-28154
Landing gear improvements for transport aircraft
20 p3284 N91-28159
Aircraft operations from runways with inclined ramps (ski-jump)
[AD-A237265] 21 p3456 N91-29171
Minimum required signal for LIMARS experiments
[AD-A229524] 22 p3681 N91-30499

WRIGHT STATE UNIV., DAYTON, OH.
Analysis of transient and start-up behavior of heat pipes and an energy storage module
[AD-A225659] 03 p0367 N91-12055
Machine intelligence and threat identification systems
[AD-A227531] 07 p1055 N91-15794
The role of training, individual differences and knowledge representation in cognitive-oriented task performance
[AD-A231798] 14 p2299 N91-22709
A computer aided multivariable control systems design technique with application to aircraft flying qualities
[AD-A232549] 15 p2375 N91-23144
Hepatic metabolism of perfluorinated carboxylic acids: A nuclear magnetic resonance investigation
[AD-A232033] 15 p2474 N91-23706
Mechanical behavior and flow mechanisms in refractory metal composition
[AD-A234701] 18 p2953 N91-26297
Chemical compatibility and oxidation resistance of potential matrix and reinforcement materials in ceramic composites for ultra-high temperature applications
[AD-A235958] 19 p3119 N91-27231
Robust design of multivariable control: An interval arithmetic approach
[AD-A238006] 21 p3563 N91-29806

WYLE LABS., INC., EL SEGUNDO, CA.
Evaluation of potential damage to unconventional structures by sonic booms
[AD-A225029] 03 p0381 N91-12125

WYLE LABS., INC., HAMPTON, VA.
Design methodology for a community response questionnaire on sonic boom exposure
[NASA-CR-187503] 14 p2323 N91-22830

WYOMING UNIV., LARAMIE.
Image reconstruction of IRAS survey scans
[NASA-CR-187328] 02 p0286 N91-11606
A study of the ten and twenty micron silicate features in celestial infrared sources 02 p0286 N91-11609
Production of jet fuels from coal derived liquids. Volume 16: Analysis of phenolic species in coal derived aviation fuels
[AD-A224656] 03 p0346 N91-11938
Studies of thin film chemical sensors using the quartz crystal microbalance
[AD-A224681] 03 p0369 N91-12066
A comparison of surface sensible and latent heat fluxes from aircraft and surface measurements in FIFE 1987
[NASA-CR-187365] 03 p0383 N91-12136
Measurement of sulfur dioxide reaction rates in wintertime orographic clouds 03 p0391 N91-12178
A numerical study of precipitation processes in stable orographic storms 03 p0391 N91-12180
Image construction from the IRAS survey and data fusion
[NASA-CR-187640] 04 p0608 N91-13381
Peering beyond IRAS: The 100 to 350 micron dust emission from galaxies 05 p0743 N91-14141
One-dimensional cloud fluid model for propagating star formation 05 p0757 N91-14211
Thermal emission from interstellar dust in and near the Pleiades 06 p0901 N91-14981
Adaptive computations for partial differential equations governing advective fluid flows
[AD-A230179] 12 p1896 N91-20424
Simulation of landscape disturbances and the effect of climatic change
[DE91-010191] 16 p2655 N91-24692
Aerosol optical properties of the free troposphere
[AD-A233268] 16 p2658 N91-24705
Solid-sudace luminescence analysis
[DE91-010000] 17 p2756 N91-25257
Environmental effects on redox potentials of viologen groups embedded in electroactive self-assembled monolayers
[AD-A235676] 19 p3124 N91-27257
EQCM studies of film growth, redox cycling, and charge trapping of n-doped and p-doped poly(thiophene)
[AD-A235603] 19 p3157 N91-27455
Ionic interactions in electroactive self-assembled monolayers of ferrocene species
[AD-A235677] 19 p3241 N91-27927
A study of the angular diameters of dust shells around red giants
[AD-A236228] 19 p3265 N91-28056
Composite specimen design analysis. Volume 2: Experimental efforts
[AD-A238277] 21 p3470 N91-29247
Review of Air Force compressor blade and vane rework and it's impact on performance and costs
[AD-A229518] 24 p3961 N91-32136
Measurements in polar stratospheric clouds over Antarctica in September 1989 24 p4033 N91-32534

X

XAVIER UNIV. OF LOUISIANA, NEW ORLEANS.
LIF and emission studies of copper and nitrogen
18 p3091 N91-27089
XEROX CORP., PALO ALTO, CA.
Optimal expression evaluation for data parallel architectures
[NASA-CR-188681] 19 p3231 N91-27863
XEROX PALO ALTO RESEARCH CENTER, CA.
Density estimation using optimally quantized histograms
[PB90-190588] 01 p0116 N91-10686
Rebuilding database caches during fast crash recovery
[PB91-113050] 12 p1996 N91-20986
Comparing structurally different views of a VLSI design
[PB91-111757] 13 p2074 N91-21425

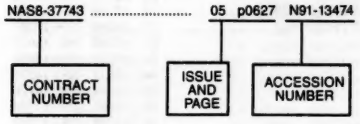
Y

YALE UNIV., NEW HAVEN, CT.
Cosmological singularities in electrovacuum spacetimes with two-parameter spacelike isometry groups
01 p0137 N91-10811
Theoretical and numerical studies in magnetic mirror fusion
[DE90-017605] 02 p0273 N91-11533
Basic mechanisms of solar variability
03 p0440 N91-12460
Global models of intermediate timescale variability on the sun 03 p0440 N91-12461
A comparison of three column-based distributed sparse factorization schemes
[AD-A228143] 07 p1052 N91-15776
On the numerical solution of two-point boundary value problems 2
[AD-A228141] 07 p1060 N91-15832
Nonlinear dynamics of global atmospheric and Earth-system processes 08 p1183 N91-16510
Limits of human visual discrimination: Toward a general model of visual geometry
[AD-A226826] 08 p1191 N91-16548
Sparse representation of smooth linear operators
[AD-A228142] 08 p1210 N91-16660
Central activity in 60 micron peakers
08 p1255 N91-16913
Improvement of gas analysis by enrichment of trace species
[AD-A228609] 09 p1308 N91-17179
Aerodynamic focusing of particles and heavy molecules
[DE91-006922] 11 p1793 N91-19833
Computational and experimental study of laminar flames
[DE91-008548] 12 p1867 N91-20261
Rheological properties, shape oscillations, and coalescence of liquid drops with surfactants
13 p2063 N91-21357
A neural network approach to model-based recognition
[AD-A231835] 14 p2317 N91-22798
Theory of incremental turbulent transport in tokamaks
[DE91-010264] 14 p2328 N91-22865
The application of equilibrium climate models to questions of glaciation at high latitudes
15 p2467 N91-23669
A fast algorithm for the evaluation of trigonometric series
[AD-A232848] 15 p2488 N91-23775
Primordial lithium, stellar evolution, and cosmology: Lithium in halo stars from standard, diffusive, and rotational stellar evolution and implications for cosmology
15 p2531 N91-24024
On the inverse scattering problem for the Helmholtz equation in one dimension
[AD-A233346] 16 p2679 N91-24828
On representation of mechanical behavior and stereological measures of microstructure
[NASA-CR-187130] 17 p2790 N91-25438
Nonlinear spectroscopy of multicomponent droplets and two- and three-dimensional measurements in flames
[AD-A238028] 21 p3476 N91-29277
High-intensity and high-energy laser interactions with single droplets
[AD-A238197] 21 p3524 N91-29575
Catalytic combustion of methane
[PB91-206391] 24 p3972 N91-32190
Nonlinear dynamics of global atmospheric and Earth-system processes 24 p4061 N91-32687
YAMAGUCHI UNIV. (JAPAN).
The 3-D gyrokinetic particle simulation on internal kink modes 10 p1599 N91-18821
Internal kink mode simulation by 3-D gyrokinetic code
20 p3412 N91-28916
YAMANASHI UNIV., KOFU (JAPAN).
A spectroscopic study of a plasma light source excited by a double Blumlein pulse forming network
19 p3248 N91-27963
YAP ANALYTICS, INC., LEXINGTON, MA.
Upper atmosphere IR radiation modeling and analysis
[AD-A227214] 08 p1177 N91-16482
YERKES OBSERVATORY, WILLIAMS BAY, WI.
Contribution of cool dust to the FIR brightness distribution of NGC 6946 Sc(s)2
05 p0741 N91-14134
The 100 and 160 micron maps of the dust reemission from the nucleus and inner-arm regions of NGC 6946
06 p0901 N91-14983
YORK UNIV., DOWNSVIEW (ONTARIO).
The synthesis of monometallated and unsymmetrically substituted binuclear phthalocyanines and a pentanuclear phthalocyanine by solution and polymer support methods
[AD-A225363] 03 p0345 N91-11934
Electrochemical parameterization of rhenium redox couples
[AD-A232043] 15 p2398 N91-23279
Visual sensitivities and discriminations and their role in aviation
[AD-A234866] 18 p3032 N91-26740
YORK UNIV. (ENGLAND).
Lunar volcanism and the thermal evolution of the moon 15 p2533 N91-24031
Propagation and coupling mechanisms
19 p3147 N91-27392
Measurement environments and testing
19 p3148 N91-27398
YORK UNIV. (ONTARIO).
Gas-phase formation of silicon carbides, oxides, and sulphides from atomic silicon ions
06 p0908 N91-15014
Current collection in a magnetoplasma
09 p1401 N91-17715
Molecular orientation of the silver tetra neopentoxy phthalo cyanine and stearic acid mixed Langmuir-Blodgett film and its chemical and electrochemical behaviour
[AD-A234601] 18 p2938 N91-26206
The control of orbital mixing in ruthenium complexes containing quinone related ligands
[AD-A234602] 18 p2947 N91-26260
Tetra neopentoxy phthalo cyanine Langmuir-Blodgett films: Spectroscopy at the air/water interface
[AD-A234603] 18 p2947 N91-26261
YORK UNIV., TORONTO (ONTARIO).
Ar/S 05 p0745 N91-14153
Polarization in the Lagoon nebula
05 p0753 N91-14193
Small-scale star formation at low metallicity
05 p0757 N91-14214
The 1990 MB: The first Mars Trojan
17 p2894 N91-25996

Z

ZARAGOZA UNIV. (SPAIN).
Turbulent flow modelling in Spain: Overview and developments 24 p4015 N91-32448
ZEISS (CARL), OBERKOCHEN (GERMANY, F.R.).
Assessment of the reliability of windows of vacuum vessels 07 p0952 N91-15233
ZENTRUM FUER ANGEWANDTE RAUMFAHRTTECHNOLOGIE UND MIKRONAVIGATION, BREMEN (GERMANY, F.R.).
ZARM: General Information 14 p2336 N91-22913
ZHEJIANG UNIV. (CHINA).
Operator formalism of multi-pole Virasoro algebra on Riemann sphere
[DE90-627217] 01 p0113 N91-10657

Typical Contract Number Index Listing



Listings in this index are arranged alphanumerically by contract number. Under each contract number, the accession numbers denoting documents that have been produced as a result of research done under that contract are arranged in ascending order. The issue and page number identify the *STAR* issue in which the document was announced and the page number on which the citation appears. The accession number denotes the number by which the citation is identified on that page.

AEN-90-0033 ..... 20 p3444 N91-29113
AERO-0003-C 15 p2426 N91-23436
15 p2493 N91-23807
17 p2836 N91-25675
17 p2845 N91-25728
24 p4012 N91-32430
AF PROJ. D174 ..... 04 p0520 N91-12894
AF PROJ. MTFI 08 p1199 N91-16591
AF PROJ. S321 ..... 04 p0490 N91-12723
AF PROJ. 7A10 ..... 08 p1176 N91-16475
AF PROJ. 691X 06 p0818 N91-14517
AF PROJ. 0100 ..... 07 p0946 N91-15185
AF PROJ. 0581 ..... 06 p0826 N91-14566
AF PROJ. 1121 ..... 03 p0394 N91-12192
AF PROJ. 1123 ..... 24 p4077 N91-32773
AF PROJ. 1692 ..... 12 p1866 N91-20249
AF PROJ. 1900 ..... 07 p0987 N91-15417
AF PROJ. 2003 ..... 07 p1038 N91-15696
AF PROJ. 2301 ..... 03 p0416 N91-12326
03 p0420 N91-12349
03 p0420 N91-12351
04 p0519 N91-12890
04 p0529 N91-12931
04 p0580 N91-13233
07 p1007 N91-15531
07 p1048 N91-15753
08 p1224 N91-16743
09 p1390 N91-17650
09 p1396 N91-17684
09 p1399 N91-17699
09 p1406 N91-17738
12 p1976 N91-20869
12 p1989 N91-20946
14 p2323 N91-22833
14 p2328 N91-22861
15 p2432 N91-23470
15 p2514 N91-23931
16 p2683 N91-24854
18 p3064 N91-26926
19 p3242 N91-27933
19 p3245 N91-27945
19 p3253 N91-27999
21 p3575 N91-29881
21 p3576 N91-29887
AF PROJ. 2302 ..... 03 p0344 N91-11924
06 p0792 N91-14375
06 p0792 N91-14377
06 p0803 N91-14432
06 p0803 N91-14435
07 p0968 N91-15316
08 p1164 N91-16409
09 p1285 N91-17064
09 p1392 N91-17662
12 p1913 N91-20520
13 p2047 N91-21260
13 p2077 N91-21441
15 p2396 N91-23266
15 p2448 N91-23559
16 p2605 N91-24437
16 p2613 N91-24466
18 p2935 N91-26190
18 p2942 N91-26227
18 p2999 N91-26563
19 p3120 N91-27239
19 p3137 N91-27335
19 p3180 N91-27586
21 p3470 N91-29248
AF PROJ. 2303 ..... 03 p0345 N91-11933
04 p0512 N91-12844
05 p0640 N91-13552
06 p0808 N91-14463
08 p1120 N91-16156
09 p1305 N91-17159
12 p1873 N91-20292
12 p1876 N91-20308
12 p1976 N91-20872
13 p2151 N91-21859
14 p2249 N91-22442
16 p2597 N91-24393
16 p2605 N91-24434
16 p2682 N91-24849
16 p2683 N91-24852
16 p2683 N91-24856
16 p2689 N91-24886
18 p2948 N91-26270
18 p2962 N91-26349
18 p2965 N91-26366
18 p3059 N91-26898
18 p3059 N91-26899
19 p3122 N91-27250
21 p3488 N91-29355
21 p3489 N91-29360
AF PROJ. 2304 ..... 02 p0208 N91-11164
03 p0409 N91-12283
03 p0409 N91-12286
04 p0572 N91-13177
04 p0573 N91-13180
04 p0573 N91-13182
04 p0576 N91-13206
04 p0577 N91-13207
04 p0577 N91-13208
04 p0577 N91-13209
04 p0578 N91-13216
06 p0818 N91-14518
06 p0827 N91-14570
06 p0862 N91-14761
08 p1125 N91-16184
08 p1241 N91-16843
09 p1337 N91-17344
09 p1349 N91-17411
09 p1388 N91-17633
09 p1392 N91-17663
11 p1813 N91-19957
12 p1910 N91-20501
12 p1964 N91-20808
12 p1970 N91-20834
12 p1970 N91-20837
12 p1970 N91-20838
12 p1971 N91-20842
13 p2135 N91-21756
13 p2137 N91-21769
15 p2428 N91-23452
15 p2429 N91-23455
15 p2487 N91-23772
15 p2487 N91-23773
15 p2492 N91-23801
16 p2613 N91-24467
16 p2647 N91-24655
16 p2668 N91-24762
16 p2670 N91-24775
16 p2675 N91-24806
16 p2678 N91-24822
16 p2678 N91-24824
16 p2678 N91-24825
16 p2680 N91-24835
18 p2922 N91-26117
18 p2996 N91-26546
18 p2996 N91-26547
18 p2997 N91-26551
18 p3000 N91-26567
18 p3030 N91-26729
18 p3041 N91-26790
18 p3042 N91-26793
18 p3045 N91-26812
18 p3049 N91-26833
18 p3051 N91-26845
18 p3051 N91-26846
18 p3051 N91-26848
18 p3052 N91-26850
18 p3052 N91-26851
18 p3053 N91-26859
18 p3053 N91-26861
18 p3054 N91-26865
18 p3077 N91-27006
19 p3160 N91-27471
19 p3233 N91-27878
21 p3500 N91-29425
21 p3514 N91-29512
21 p3560 N91-29785
21 p3565 N91-29820
21 p3566 N91-29822
21 p3569 N91-29841
22 p3662 N91-30388
AF PROJ. 2305 ..... 03 p0337 N91-11890
03 p0422 N91-12360
03 p0422 N91-12361
04 p0583 N91-13250
06 p0817 N91-14515
06 p0831 N91-14595
06 p0869 N91-14805
06 p0874 N91-14834
06 p0880 N91-14864
07 p0997 N91-15476
07 p1055 N91-15794
08 p1133 N91-16235
08 p1192 N91-16551
09 p1374 N91-17552
12 p1901 N91-20456
12 p1964 N91-20807
12 p1980 N91-20895
12 p1987 N91-20935
12 p1988 N91-20941
13 p2139 N91-21777
14 p2207 N91-22186
15 p2403 N91-23308
15 p2420 N91-23406
15 p2509 N91-23906
15 p2510 N91-23909
16 p2606 N91-24444
16 p2647 N91-24653
16 p2675 N91-24808
16 p2676 N91-24813
16 p2689 N91-24885
16 p2689 N91-24887
18 p3038 N91-26765
18 p3045 N91-26813
18 p3069 N91-26960
18 p3076 N91-27003
19 p3234 N91-27879
AF PROJ. 2306 ..... 03 p0374 N91-12097
03 p0381 N91-12126
03 p0423 N91-12370
04 p0499 N91-12769
04 p0587 N91-13278
06 p0803 N91-14431
06 p0805 N91-14443
06 p0813 N91-14488
06 p0831 N91-14594
06 p0880 N91-14862
08 p1237 N91-16821
09 p1304 N91-17158
09 p1314 N91-17210
09 p1342 N91-17372
09 p1413 N91-17775
09 p1413 N91-17776
09 p1413 N91-17777
12 p1869 N91-20272

	12	p1870	N91-20273
	12	p1870	N91-20275
	12	p1870	N91-20276
	12	p1872	N91-20288
	12	p1873	N91-20296
	12	p1990	N91-20955
	13	p2155	N91-21879
	13	p2163	N91-21932
	13	p2164	N91-21934
	14	p2240	N91-22390
	14	p2240	N91-22394
	14	p2331	N91-22879
	15	p2396	N91-23267
	15	p2396	N91-23269
	15	p2406	N91-23322
	15	p2508	N91-23896
	15	p2508	N91-23897
	15	p2517	N91-23950
	15	p2518	N91-23958
	15	p2518	N91-23960
	16	p2590	N91-24354
	18	p2950	N91-26279
	18	p2953	N91-26298
	18	p2954	N91-26301
	18	p2954	N91-26304
	18	p2963	N91-26356
	18	p2964	N91-26362
	18	p3069	N91-26955
	19	p3133	N91-27314
	21	p3476	N91-29280
	21	p3482	N91-29313
	21	p3482	N91-29317
	21	p3506	N91-29460
	21	p3596	N91-30005
	21	p3596	N91-30008
	21	p3597	N91-30009
	21	p3597	N91-30010
	21	p3597	N91-30011
AF PROJ. 2307	04	p0471	N91-12637
	04	p0471	N91-12638
	04	p0522	N91-12906
	04	p0523	N91-12910
	06	p0778	N91-14313
	06	p0778	N91-14314
	08	p1142	N91-16285
	08	p1143	N91-16291
	09	p1274	N91-17004
	09	p1333	N91-17319
	09	p1337	N91-17343
	12	p1895	N91-20422
	14	p2188	N91-22082
	15	p2366	N91-23094
	16	p2624	N91-24530
	18	p2922	N91-26120
	19	p3163	N91-27491
	19	p3163	N91-27493
	19	p3164	N91-27494
	19	p3164	N91-27495
	19	p3246	N91-27952
	21	p3513	N91-29507
AF PROJ. 2308	06	p0785	N91-14350
	06	p0804	N91-14441
	06	p0805	N91-14446
	06	p0814	N91-14496
	06	p0827	N91-14569
	06	p0876	N91-14843
	07	p1007	N91-15530
	07	p1069	N91-15880
	08	p1154	N91-16354
	09	p1301	N91-17140
	09	p1310	N91-17188
	09	p1310	N91-17189
	15	p2399	N91-23287
	15	p2428	N91-23449
	15	p2428	N91-23450
	15	p2429	N91-23456
	15	p2509	N91-23902
	16	p2624	N91-24533
	18	p2950	N91-26281
	19	p3127	N91-27274
	19	p3127	N91-27275
	21	p3466	N91-29223
	21	p3476	N91-29277
AF PROJ. 2309	09	p1365	N91-17500
AF PROJ. 2310	04	p0549	N91-13045
	06	p0849	N91-14690
	08	p1178	N91-16488
	08	p1229	N91-16776
	09	p1365	N91-17502
	09	p1396	N91-17683
	18	p3014	N91-26643
AF PROJ. 2311	09	p1365	N91-17501
	16	p2704	N91-24967
	19	p3265	N91-28056
AF PROJ. 2312	03	p0388	N91-12163
	06	p0852	N91-14704
	08	p1190	N91-16540
	12	p1928	N91-20612
	12	p1930	N91-20619
	14	p2243	N91-22408
	15	p2474	N91-23706
	15	p2476	N91-23714
	15	p2478	N91-23722
	16	p2663	N91-24733
	18	p3007	N91-26603
	18	p3020	N91-26675
	18	p3028	N91-26716
	18	p3031	N91-26732
	18	p3032	N91-26737
	19	p3209	N91-27737
AF PROJ. 2313	03	p0394	N91-12192
	03	p0409	N91-12284
	04	p0553	N91-13067
	04	p0554	N91-13075
	06	p0853	N91-14707
	06	p0854	N91-14714
	06	p0854	N91-14715
	06	p0854	N91-14716
	06	p0855	N91-14718
	07	p1035	N91-15677
	08	p1191	N91-16548
	08	p1191	N91-16550
	09	p1372	N91-17540
	12	p1929	N91-20617
	12	p1931	N91-20625
	12	p1966	N91-20821
	12	p1997	N91-20995
	14	p2299	N91-22707
	15	p2475	N91-23708
	16	p2663	N91-24734
	16	p2664	N91-24737
	16	p2678	N91-24823
	18	p3032	N91-26735
	18	p3032	N91-26739
	18	p3033	N91-26741
	18	p3033	N91-26742
	21	p3535	N91-29640
	21	p3549	N91-29720
	21	p3549	N91-29721
	21	p3550	N91-29727
	21	p3572	N91-29862
	21	p3582	N91-29925
AF PROJ. 2338	06	p0822	N91-14543
	08	p1153	N91-16353
	09	p1374	N91-17553
	18	p2978	N91-26441
	18	p3075	N91-26994
AF PROJ. 2386	06	p0822	N91-14541
AF PROJ. 2401	04	p0479	N91-12673
	19	p3121	N91-27241
	21	p3456	N91-29171
	22	p3622	N91-30148
AF PROJ. 2403	04	p0481	N91-12680
	22	p3741	N91-30841
AF PROJ. 2418	04	p0505	N91-12806
	08	p1115	N91-16124
	11	p1718	N91-19460
AF PROJ. 2419	09	p1302	N91-17144
AF PROJ. 2420	05	p0636	N91-13524
	06	p0785	N91-14351
	07	p0979	N91-15374
AF PROJ. 2480	03	p0346	N91-11938
	03	p0347	N91-11939
AF PROJ. 2484	18	p2964	N91-26361
AF PROJ. 2527	08	p1202	N91-16608
	08	p1202	N91-16609
AF PROJ. 2532	16	p2668	N91-24766
AF PROJ. 2567	24	p3949	N91-32072
AF PROJ. 2822	19	p3115	N91-27210
AF PROJ. 2917	06	p0857	N91-14729
AF PROJ. 2940	09	p1372	N91-17542
AF PROJ. 2950	08	p1198	N91-16586
AF PROJ. 3005	03	p0367	N91-12054
	04	p0474	N91-12647
	04	p0497	N91-12758
	04	p0514	N91-12858
	05	p0665	N91-13696
	08	p1159	N91-16382
	10	p1535	N91-18451
AF PROJ. 3017	08	p1192	N91-16552
AF PROJ. 3036	08	p1149	N91-16327
AF PROJ. 3037	03	p0381	N91-12125
AF PROJ. 3056	18	p2936	N91-26192
AF PROJ. 3058	09	p1298	N91-17124
	18	p2937	N91-26199
	18	p3066	N91-26941
AF PROJ. 3066	03	p0314	N91-11756
	03	p0314	N91-11758
	06	p0830	N91-14589
	08	p1149	N91-16328
	08	p1149	N91-16330
AF PROJ. 3145	03	p0321	N91-11792
	03	p0367	N91-12055
	06	p0823	N91-14546
AF PROJ. 3153	07	p0969	N91-15322
AF PROJ. 3442	18	p2979	N91-26452
AF PROJ. 3482	18	p3064	N91-26932
AF PROJ. 3484	03	p0320	N91-11791
	05	p0695	N91-13869
	06	p0866	N91-14787
	08	p1268	N91-16980
	16	p2661	N91-24725
	18	p2935	N91-26191
	18	p2953	N91-26297
	18	p2954	N91-26303
	18	p3064	N91-26931
	19	p3128	N91-27280
	21	p3550	N91-29726
	21	p3595	N91-29999
	22	p3759	N91-30955
AF PROJ. 3763	03	p0356	N91-11992
AF PROJ. 3842	03	p0369	N91-12067
	04	p0548	N91-13037
	04	p0589	N91-13290
	06	p0831	N91-14595
	06	p0864	N91-14776
	06	p0866	N91-14784
	09	p1328	N91-17293
	19	p3212	N91-27754
AF PROJ. 4140	06	p0818	N91-14519
	07	p1028	N91-15644
AF PROJ. 4149	09	p1362	N91-17488
AF PROJ. 4506	04	p0574	N91-13187
	09	p1392	N91-17661
AF PROJ. 4519	06	p0817	N91-14516
	09	p1390	N91-17647
AF PROJ. 4600	03	p0423	N91-12369
	04	p0542	N91-13008
	04	p0592	N91-13307
	05	p0725	N91-14052
	06	p0878	N91-14851
	08	p1127	N91-16196
AF PROJ. 4643	02	p0227	N91-11268
AF PROJ. 5420	04	p0474	N91-12648
	04	p0475	N91-12653
	08	p1094	N91-16004
AF PROJ. 5581	05	p0651	N91-13612
	08	p1201	N91-16604
	09	p1385	N91-17616
	09	p1385	N91-17617
	09	p1385	N91-17618
AF PROJ. 5602	07	p1049	N91-15759
AF PROJ. 5730	08	p1111	N91-16103
	08	p1112	N91-16110
	19	p3101	N91-27136
AF PROJ. 5797	22	p3755	N91-30935
AF PROJ. 6096	21	p3553	N91-29741
AF PROJ. 6120	04	p0572	N91-13179
AF PROJ. 6177	04	p0573	N91-13181
	09	p1324	N91-17269
AF PROJ. 6670	06	p0849	N91-14689
	09	p1367	N91-17513
AF PROJ. 7184	08	p1218	N91-16708
	18	p3034	N91-26748
AF PROJ. 7231	15	p2478	N91-23723
	18	p2975	N91-26427
AF PROJ. 7600	09	p1365	N91-17503
	19	p3200	N91-27688
AF PROJ. 7601	04	p0494	N91-12745
	06	p0799	N91-14413
	15	p2465	N91-23660
AF PROJ. 7659	18	p3011	N91-26626
AF PROJ. 7670	03	p0427	N91-12394
AF PROJ. 7676	19	p3264	N91-28053
AF PROJ. 7707	19	p3232	N91-27871
AF PROJ. 7719	07	p1036	N91-15686
AF PROJ. 7755	09	p1372	N91-17541
	24	p4073	N91-32754
AF PROJ. 7757	05	p0694	N91-13864
AF PROJ. 7930	04	p0552	N91-13061
	18	p2925	N91-26136
	23	p3906	N91-31807
AF PROJ. 9993	18	p3075	N91-26993
AF-AFOSR-ISSA-90-0026	19	p3133	N91-27314
AF-AFOSR-ISSA-91-002	18	p2966	N91-26374
AF-AFOSR-0001-87	16	p2597	N91-24393
AF-AFOSR-0001-88	15	p2428	N91-23449
AF-AFOSR-0001-89	19	p3163	N91-27490
AF-AFOSR-0006-89	14	p2323	N91-22833
AF-AFOSR-0009-88	10	p1472	N91-18111
AF-AFOSR-0009-89	18	p3069	N91-26955
AF-AFOSR-0010-88	09	p1399	N91-17699
AF-AFOSR-0010-89	16	p2675	N91-24808
AF-AFOSR-0011-88	06	p0805	N91-14446
AF-AFOSR-0011-90	13	p2142	N91-21793
AF-AFOSR-0014-88	21	p3475	N91-29275
AF-AFOSR-0014-89	19	p3180	N91-27586
AF-AFOSR-0015-89	09	p1390	N91-17650

AF-AFOSR-0017-90 ..... 18 p3051 N91-26845
AF-AFOSR-0020-84 ..... 18 p2935 N91-26190
AF-AFOSR-0020-89 ..... 19 p3120 N91-27239
AF-AFOSR-0021-89 ..... 12 p1931 N91-20625
AF-AFOSR-0023-87 ..... 16 p2704 N91-24967
AF-AFOSR-0025-90 ..... 08 p1112 N91-16106
AF-AFOSR-0026-86 ..... 08 p1125 N91-16184
AF-AFOSR-0026-87 ..... 04 p0580 N91-13233
AF-AFOSR-0027-88 ..... 09 p1396 N91-17683
AF-AFOSR-0028-90 ..... 16 p2605 N91-24437
AF-AFOSR-0029-86 ..... 16 p2675 N91-24806
AF-AFOSR-0031-86 ..... 03 p0422 N91-12360
AF-AFOSR-0033-90 ..... 18 p2954 N91-26301
AF-AFOSR-0038-88 ..... 13 p2155 N91-21879
AF-AFOSR-0039-87 ..... 09 p1395 N91-17673
18 p3059 N91-26898
AF-AFOSR-0040-88 ..... 18 p2996 N91-26546
21 p3568 N91-29838
21 p3568 N91-29840
AF-AFOSR-0042-89 ..... 08 p1092 N91-15994
16 p2549 N91-24127
AF-AFOSR-0043-89 ..... 09 p1304 N91-17158
AF-AFOSR-0044-88 ..... 14 p2249 N91-22442
AF-AFOSR-0045-89 ..... 12 p1901 N91-20456
AF-AFOSR-0047-88 ..... 15 p2495 N91-23818
AF-AFOSR-0049-88 ..... 13 p2151 N91-21859
AF-AFOSR-0050-89 ..... 03 p0409 N91-12284
AF-AFOSR-0051-87 ..... 16 p2678 N91-24822
AF-AFOSR-0051-89 ..... 09 p1310 N91-17188
AF-AFOSR-0052-88 ..... 19 p3127 N91-27274
AF-AFOSR-0052-90 ..... 21 p3558 N91-29774
AF-AFOSR-0054-89 ..... 07 p1036 N91-15683
AF-AFOSR-0056-90 ..... 18 p3020 N91-26675
AF-AFOSR-0057-88 ..... 19 p3265 N91-28056
AF-AFOSR-0058-89 ..... 16 p2668 N91-24763
AF-AFOSR-0059-88 ..... 13 p2137 N91-21769
AF-AFOSR-0059-89 ..... 18 p2942 N91-26227
AF-AFOSR-0062-88 ..... 16 p2683 N91-24852
AF-AFOSR-0062-89 ..... 18 p2963 N91-26356
AF-AFOSR-0063-89 ..... 21 p3596 N91-30008
AF-AFOSR-0064-84 ..... 07 p0968 N91-15316
AF-AFOSR-0064-88 ..... 16 p2676 N91-24813
AF-AFOSR-0064-89 ..... 14 p2299 N91-22707
AF-AFOSR-0065-89 ..... 07 p1007 N91-15530
21 p3513 N91-29507
AF-AFOSR-0066-86 ..... 04 p0529 N91-12932
AF-AFOSR-0066-88 ..... 21 p3489 N91-29360
AF-AFOSR-0067-89 ..... 15 p2509 N91-23902
AF-AFOSR-0068-88 ..... 16 p2682 N91-24849
AF-AFOSR-0069-88 ..... 18 p3059 N91-26899
AF-AFOSR-0069-89 ..... 12 p1873 N91-20292
AF-AFOSR-0070-90 ..... 12 p1870 N91-20273
AF-AFOSR-0072-87 ..... 06 p0827 N91-14570
AF-AFOSR-0072-88 ..... 15 p2399 N91-23287
AF-AFOSR-0073-87 ..... 03 p0320 N91-11791
AF-AFOSR-0073-90 ..... 18 p3032 N91-26739
AF-AFOSR-0074-87 ..... 19 p3163 N91-27493
AF-AFOSR-0074-88 ..... 18 p2922 N91-26117
AF-AFOSR-0075-88 ..... 04 p0499 N91-12769
AF-AFOSR-0075-89 ..... 18 p3053 N91-26861
AF-AFOSR-0075-90 ..... 15 p2428 N91-23452
AF-AFOSR-0076-88 ..... 21 p3569 N91-29841
AF-AFOSR-0076-89 ..... 18 p3032 N91-26735
AF-AFOSR-0077-86 ..... 08 p1191 N91-16548
AF-AFOSR-0077-87 ..... 08 p1268 N91-16980
AF-AFOSR-0078-86 ..... 13 p2139 N91-21775
AF-AFOSR-0079-89 ..... 10 p1462 N91-18063
19 p3163 N91-27490
23 p3868 N91-31576
AF-AFOSR-0081-88 ..... 15 p2408 N91-23331
AF-AFOSR-0081-90 ..... 09 p1413 N91-17777
22 p3759 N91-30951
22 p3759 N91-30952
AF-AFOSR-0082-87 ..... 03 p0340 N91-11907
AF-AFOSR-0084-87 ..... 06 p0857 N91-14729
AF-AFOSR-0086-88 ..... 19 p3245 N91-27945
AF-AFOSR-0089-87 ..... 21 p3550 N91-29726
AF-AFOSR-0089-90 ..... 09 p1305 N91-17159
AF-AFOSR-0091-84 ..... 03 p0416 N91-12326
AF-AFOSR-0091-89 ..... 04 p0471 N91-12637
AF-AFOSR-0091-90 ..... 19 p3235 N91-27887
19 p3235 N91-27888
23 p3919 N91-31889
AF-AFOSR-0092-86 ..... 18 p3051 N91-26848
AF-AFOSR-0092-90 ..... 16 p2661 N91-24725
AF-AFOSR-0093-86 ..... 18 p3053 N91-26859
AF-AFOSR-0093-90 ..... 03 p0363 N91-12033
08 p1211 N91-16664
13 p2080 N91-21456
13 p2143 N91-21801
16 p2549 N91-24126
16 p2677 N91-24819
AF-AFOSR-0093-91 ..... 24 p4048 N91-32610
AF-AFOSR-0094-89 ..... 04 p0548 N91-13037
AF-AFOSR-0094-90 ..... 19 p3237 N91-27900
AF-AFOSR-0096-89 ..... 15 p2448 N91-23559
AF-AFOSR-0096-90 ..... 13 p2016 N91-21093
AF-AFOSR-0097-90 ..... 16 p2663 N91-24733
AF-AFOSR-0098-88 ..... 21 p3576 N91-29887
AF-AFOSR-0099-88 ..... 15 p2420 N91-23406
AF-AFOSR-0100-88 ..... 21 p3476 N91-29277
AF-AFOSR-0107-88 ..... 09 p1337 N91-17343
AF-AFOSR-0107-89 ..... 16 p2678 N91-24823
AF-AFOSR-0109-90 ..... 16 p2671 N91-24781
AF-AFOSR-0110-90 ..... 09 p1389 N91-17643
18 p3077 N91-27006
AF-AFOSR-0111-89 ..... 09 p1328 N91-17293
AF-AFOSR-0112-88 ..... 09 p1324 N91-17269
AF-AFOSR-0112-89 ..... 03 p0344 N91-11924
AF-AFOSR-0114-86 ..... 15 p2432 N91-23470
AF-AFOSR-0116-88 ..... 15 p2487 N91-23773
AF-AFOSR-0118-90 ..... 22 p3759 N91-30955
AF-AFOSR-0120-87 ..... 18 p2948 N91-26270
AF-AFOSR-0121-88 ..... 06 p0849 N91-14690
AF-AFOSR-0123-87 ..... 18 p2964 N91-26361
AF-AFOSR-0125-86 ..... 06 p0808 N91-14463
AF-AFOSR-0125-87 ..... 12 p1966 N91-20821
AF-AFOSR-0125-90 ..... 15 p2476 N91-23714
AF-AFOSR-0126-87 ..... 11 p1813 N91-19957
AF-AFOSR-0126-88 ..... 21 p3597 N91-30010
AF-AFOSR-0127-86 ..... 09 p1392 N91-17658
AF-AFOSR-0127-88 ..... 10 p1548 N91-18518
AF-AFOSR-0127-89 ..... 03 p0369 N91-12067
AF-AFOSR-0129-87 ..... 06 p0801 N91-14423
13 p2044 N91-21244
15 p2396 N91-23266
AF-AFOSR-0130-88 ..... 15 p2396 N91-23269
AF-AFOSR-0132-86 ..... 06 p0862 N91-14766
AF-AFOSR-0133-90 ..... 18 p3064 N91-26931
AF-AFOSR-0135-89 ..... 06 p0864 N91-14776
AF-AFOSR-0136-88 ..... 06 p0862 N91-14761
AF-AFOSR-0141-85 ..... 18 p2983 N91-26472
AF-AFOSR-0143-86 ..... 02 p0208 N91-11164
AF-AFOSR-0143-87 ..... 19 p3137 N91-27335
AF-AFOSR-0143-88 ..... 01 p0077 N91-10462
AF-AFOSR-0143-90 ..... 12 p1870 N91-20275
AF-AFOSR-0144-85 ..... 22 p3683 N91-30509
AF-AFOSR-0144-87 ..... 18 p2997 N91-26551
AF-AFOSR-0146-88 ..... 04 p0471 N91-12638
AF-AFOSR-0146-89 ..... 18 p2979 N91-26452
AF-AFOSR-0148-86 ..... 15 p2429 N91-23455
AF-AFOSR-0148-90 ..... 15 p2474 N91-23706
AF-AFOSR-0149-89 ..... 03 p0422 N91-12361
AF-AFOSR-0149-90 ..... 16 p2678 N91-24825
AF-AFOSR-0150-85 ..... 09 p1337 N91-17344
AF-AFOSR-0151-90 ..... 19 p3128 N91-27280
AF-AFOSR-0152-90 ..... 18 p2954 N91-26303
AF-AFOSR-0153-90 ..... 18 p2965 N91-26366
AF-AFOSR-0154-86 ..... 16 p2670 N91-24775
AF-AFOSR-0154-89 ..... 17 p2863 N91-25834
AF-AFOSR-0155-88 ..... 15 p2428 N91-23450
16 p2624 N91-24533
18 p2950 N91-26281
AF-AFOSR-0155-89 ..... 06 p0866 N91-14784
AF-AFOSR-0156-85 ..... 18 p3052 N91-26850
AF-AFOSR-0156-86 ..... 15 p2514 N91-23931
AF-AFOSR-0156-90 ..... 10 p1462 N91-18063
AF-AFOSR-0157-86 ..... 18 p2922 N91-26120
AF-AFOSR-0158-87 ..... 03 p0381 N91-12126
AF-AFOSR-0159-84 ..... 09 p1349 N91-17411
AF-AFOSR-0160-88 ..... 21 p3596 N91-30005
AF-AFOSR-0161-88 ..... 12 p1970 N91-20837
AF-AFOSR-0162-87 ..... 18 p2954 N91-26304
AF-AFOSR-0162-88 ..... 12 p1988 N91-20941
AF-AFOSR-0163-87 ..... 08 p1224 N91-16743
AF-AFOSR-0163-88 ..... 09 p1274 N91-17004
AF-AFOSR-0165-86 ..... 04 p0522 N91-12906
AF-AFOSR-0166-86 ..... 13 p2164 N91-21934
AF-AFOSR-0166-87 ..... 18 p2948 N91-26269
AF-AFOSR-0166-88 ..... 16 p2613 N91-24466
AF-AFOSR-0166-90 ..... 21 p3597 N91-30009
AF-AFOSR-0167-90 ..... 21 p3482 N91-29317
AF-AFOSR-0171-88 ..... 06 p0854 N91-14714
AF-AFOSR-0171-89 ..... 18 p2999 N91-26563
AF-AFOSR-0172-86 ..... 16 p2668 N91-24762
AF-AFOSR-0173-87 ..... 18 p2962 N91-26349
AF-AFOSR-0174-88 ..... 04 p0519 N91-12891
AF-AFOSR-0175-88 ..... 12 p1971 N91-20842
AF-AFOSR-0175-89 ..... 18 p3064 N91-26932
AF-AFOSR-0177-86 ..... 15 p2366 N91-23094
AF-AFOSR-0177-90 ..... 22 p3718 N91-30696
AF-AFOSR-0178-86 ..... 12 p1895 N91-20422
AF-AFOSR-0178-90 ..... 18 p3076 N91-27003
AF-AFOSR-0179-88 ..... 08 p1190 N91-16540
AF-AFOSR-0180-87 ..... 08 p1191 N91-16550
AF-AFOSR-0180-88 ..... 13 p2135 N91-21756
AF-AFOSR-0180-89 ..... 04 p0589 N91-13290
AF-AFOSR-0181-84 ..... 15 p2510 N91-23909
AF-AFOSR-0182-89 ..... 11 p1668 N91-19193
AF-AFOSR-0185-89 ..... 16 p2647 N91-24653
AF-AFOSR-0186-90 ..... 19 p3209 N91-27737
AF-AFOSR-0187-84 ..... 08 p1154 N91-16354
AF-AFOSR-0187-88 ..... 21 p3535 N91-29640
AF-AFOSR-0189-87 ..... 12 p1928 N91-20612
AF-AFOSR-0189-88 ..... 12 p1964 N91-20808
AF-AFOSR-0190-88 ..... 12 p1876 N91-20308
AF-AFOSR-0190-90 ..... 12 p1970 N91-20838
AF-AFOSR-0191-90 ..... 18 p3052 N91-26851
AF-AFOSR-0193-85 ..... 08 p1133 N91-16235
AF-AFOSR-0196-86 ..... 08 p1192 N91-16551
AF-AFOSR-0196-88 ..... 16 p2624 N91-24531
AF-AFOSR-0197-90 ..... 18 p3064 N91-26926
AF-AFOSR-0199-86 ..... 04 p0519 N91-12890
AF-AFOSR-0199-89 ..... 07 p1024 N91-15623
AF-AFOSR-0201-89 ..... 15 p2396 N91-23267
AF-AFOSR-0202-86 ..... 18 p3045 N91-26812
AF-AFOSR-0202-88 ..... 19 p3233 N91-27878
AF-AFOSR-0203-86 ..... 16 p2680 N91-24835
AF-AFOSR-0204-87 ..... 06 p0803 N91-14435
AF-AFOSR-0204-88 ..... 07 p1035 N91-15677
AF-AFOSR-0204-90 ..... 18 p2953 N91-26297
AF-AFOSR-0205-89 ..... 18 p3049 N91-26833
AF-AFOSR-0209-89 ..... 06 p0831 N91-14595
AF-AFOSR-0210-87 ..... 22 p3646 N91-30292
AF-AFOSR-0211-90 ..... 18 p2935 N91-26191
AF-AFOSR-0216-90 ..... 16 p2689 N91-24886
AF-AFOSR-0218-88 ..... 15 p2487 N91-23772
AF-AFOSR-0218-90 ..... 18 p3033 N91-26741
AF-AFOSR-0219-89 ..... 03 p0388 N91-12163
AF-AFOSR-0221-89 ..... 04 p0533 N91-12959
21 p3568 N91-29839
AF-AFOSR-0221-90 ..... 21 p3550 N91-29727
AF-AFOSR-0222-89 ..... 19 p3232 N91-27871
AF-AFOSR-0222-90 ..... 19 p3211 N91-27753
AF-AFOSR-0223-86 ..... 14 p2331 N91-22879
AF-AFOSR-0225-89 ..... 18 p2996 N91-26547
AF-AFOSR-0226-89 ..... 16 p2623 N91-24525
AF-AFOSR-0227-88 ..... 21 p3560 N91-29785
AF-AFOSR-0227-89 ..... 06 p0853 N91-14707
AF-AFOSR-0228-89 ..... 16 p2621 N91-24510
AF-AFOSR-0229-88 ..... 08 p1142 N91-16285
AF-AFOSR-0230-88 ..... 22 p3740 N91-30836
AF-AFOSR-0230-90 ..... 14 p2240 N91-22394
AF-AFOSR-0233-80 ..... 06 p0805 N91-14443
AF-AFOSR-0233-88 ..... 09 p1392 N91-17662
AF-AFOSR-0233-89 ..... 12 p1987 N91-20935
AF-AFOSR-0236-88 ..... 12 p1964 N91-20807
AF-AFOSR-0237-87 ..... 04 p0523 N91-12910
AF-AFOSR-0238-86 ..... 06 p0803 N91-14431
AF-AFOSR-0238-88 ..... 04 p0529 N91-12931
AF-AFOSR-0241-89 ..... 19 p3160 N91-27471
AF-AFOSR-0243-89 ..... 16 p2664 N91-24737
AF-AFOSR-0246-86 ..... 06 p0869 N91-14805
AF-AFOSR-0247-87 ..... 03 p0420 N91-12349
AF-AFOSR-0247-88 ..... 21 p3500 N91-29425
AF-AFOSR-0248-88 ..... 02 p0277 N91-11560
08 p1235 N91-16805
AF-AFOSR-0248-89 ..... 15 p2518 N91-23958
AF-AFOSR-0250-87 ..... 15 p2475 N91-23708
AF-AFOSR-0250-89 ..... 18 p3054 N91-26865
AF-AFOSR-0252-89 ..... 15 p2494 N91-23815
AF-AFOSR-0252-90 ..... 13 p2077 N91-21441
AF-AFOSR-0253-88 ..... 22 p3761 N91-30967
AF-AFOSR-0254-88 ..... 09 p1392 N91-17663
AF-AFOSR-0254-89 ..... 12 p1980 N91-20895
AF-AFOSR-0254-90 ..... 12 p1866 N91-20249
AF-AFOSR-0256-88 ..... 18 p3051 N91-26846
AF-AFOSR-0258-87 ..... 19 p3246 N91-27952
AF-AFOSR-0258-88 ..... 13 p2139 N91-21777
AF-AFOSR-0261-88 ..... 06 p0785 N91-14350
AF-AFOSR-0262-89 ..... 18 p3032 N91-26737
AF-AFOSR-0263-88 ..... 18 p3007 N91-26603
AF-AFOSR-0265-89 ..... 19 p3212 N91-27754
AF-AFOSR-0266-88 ..... 08 p1241 N91-16843
AF-AFOSR-0267-88 ..... 22 p3744 N91-30863
AF-AFOSR-0267-90 ..... 18 p2964 N91-26362
AF-AFOSR-0268-89 ..... 16 p2647 N91-24655
AF-AFOSR-0269-88 ..... 21 p3565 N91-29820
AF-AFOSR-0271-89 ..... 12 p1963 N91-20799
AF-AFOSR-0272-85 ..... 18 p3042 N91-26793
AF-AFOSR-0272-89 ..... 16 p2620 N91-24504
AF-AFOSR-0275-90 ..... 19 p3240 N91-27919
AF-AFOSR-0280-87 ..... 22 p3749 N91-30896
AF-AFOSR-0282-87 ..... 12 p1997 N91-20995
AF-AFOSR-0283-89 ..... 14 p2188 N91-22082
AF-AFOSR-0284-88 ..... 21 p3566 N91-29822
AF-AFOSR-0285-87 ..... 08 p1143 N91-16291
AF-AFOSR-0285-88 ..... 18 p3041 N91-26790
AF-AFOSR-0286-84 ..... 06 p0804 N91-14441
AF-AFOSR-0287-87 ..... 12 p1970 N91-20834
AF-AFOSR-0288-85 ..... 13 p2012 N91-21066
22 p3620 N91-30140
AF-AFOSR-0288-89 ..... 13 p2047 N91-21260
AF-AFOSR-0289-87 ..... 15 p2406 N91-23322
AF-AFOSR-0290-89 ..... 21 p3466 N91-29223
AF-AFOSR-0290-90 ..... 21 p3470 N91-29248
AF-AFOSR-0291-87 ..... 09 p1413 N91-17775
AF-AFOSR-0292-87 ..... 16 p2668 N91-24764

AF-AFOSR-0292-88	04	p0554	N91-13075
AF-AFOSR-0294-87	18	p3014	N91-26643
AF-AFOSR-0297-89	06	p0876	N91-14843
AF-AFOSR-0298-90	16	p2683	N91-24854
AF-AFOSR-0300-88	19	p3242	N91-27933
AF-AFOSR-0300-89	12	p1872	N91-20288
AF-AFOSR-0301-87	06	p0852	N91-14704
AF-AFOSR-0304-89	21	p3582	N91-29925
AF-AFOSR-0305-89	06	p0854	N91-14715
AF-AFOSR-0305-90	15	p2478	N91-23722
AF-AFOSR-0306-86	15	p2518	N91-23960
AF-AFOSR-0308-88	09	p1349	N91-17411
AF-AFOSR-0309-89	21	p3476	N91-29280
AF-AFOSR-0310-89	19	p3127	N91-27275
AF-AFOSR-0315-86	12	p1874	N91-20300
	12	p1875	N91-20307
AF-AFOSR-0315-87	21	p3514	N91-29512
AF-AFOSR-0316-85	10	p1548	N91-18518
	10	p1550	N91-18528
	14	p2328	N91-22861
AF-AFOSR-0316-88	12	p1986	N91-20926
AF-AFOSR-0317-88	16	p2606	N91-24444
AF-AFOSR-0318-86	03	p0374	N91-12097
AF-AFOSR-0318-90	21	p3506	N91-29460
AF-AFOSR-0319-86	06	p0827	N91-14569
AF-AFOSR-0319-90	16	p2606	N91-24441
AF-AFOSR-0320-88	22	p3750	N91-30901
AF-AFOSR-0320-90	18	p3031	N91-26732
AF-AFOSR-0321-86	14	p2240	N91-22390
AF-AFOSR-0322-87	16	p2657	N91-24702
AF-AFOSR-0324-88	12	p1913	N91-20520
AF-AFOSR-0326-88	21	p3549	N91-29720
AF-AFOSR-0327-87	06	p0832	N91-14597
AF-AFOSR-0327-88	06	p0818	N91-14518
AF-AFOSR-0328-87	18	p2990	N91-26507
AF-AFOSR-0332-86	16	p2678	N91-24824
AF-AFOSR-0332-87	19	p3164	N91-27495
AF-AFOSR-0333-87	19	p3242	N91-27932
AF-AFOSR-0334-87	18	p3000	N91-26567
AF-AFOSR-0334-89	08	p1237	N91-16821
AF-AFOSR-0335-86	16	p2663	N91-24734
AF-AFOSR-0335-89	21	p3572	N91-29862
AF-AFOSR-0338-87	16	p2689	N91-24885
AF-AFOSR-0340-84	09	p1349	N91-17409
AF-AFOSR-0340-85	06	p0814	N91-14496
AF-AFOSR-0341-86	19	p3191	N91-27644
AF-AFOSR-0342-86	04	p0587	N91-13278
	06	p0880	N91-14862
AF-AFOSR-0342-87	22	p3752	N91-30914
AF-AFOSR-0345-89	09	p1301	N91-17140
AF-AFOSR-0346-88	18	p2953	N91-26298
AF-AFOSR-0347-88	16	p2598	N91-24397
AF-AFOSR-0348-87	04	p0580	N91-13232
AF-AFOSR-0350-90	16	p2590	N91-24354
AF-AFOSR-0352-86	13	p2083	N91-21479
AF-AFOSR-0355-87	12	p1976	N91-20872
AF-AFOSR-0356-87	15	p2492	N91-23801
AF-AFOSR-0356-89	12	p1869	N91-20272
AF-AFOSR-0358-89	04	p0573	N91-13181
AF-AFOSR-0360-89	22	p3653	N91-30331
AF-AFOSR-0362-87	16	p2605	N91-24434
AF-AFOSR-0363-89	16	p2613	N91-24467
AF-AFOSR-0364-87	18	p3028	N91-26716
AF-AFOSR-0365-89	06	p0803	N91-14432
AF-AFOSR-0366-87	22	p3671	N91-30441
AF-AFOSR-0367-85	09	p1314	N91-17210
AF-AFOSR-0367-90	15	p2403	N91-23308
AF-AFOSR-0368-87	22	p3629	N91-30193
AF-AFOSR-0372-87	09	p1413	N91-17776
AF-AFOSR-0373-89	16	p2624	N91-24530
AF-AFOSR-0375-89	19	p3163	N91-27491
AF-AFOSR-0376-87	13	p2163	N91-21932
AF-AFOSR-0377-87	12	p1989	N91-20946
AF-AFOSR-0377-89	04	p0553	N91-13067
	21	p3549	N91-29721
AF-AFOSR-0379-84	09	p1396	N91-17684
AF-AFOSR-0379-89	18	p3069	N91-26960
AF-AFOSR-0381-87	15	p2508	N91-23896
AF-AFOSR-0383-89	12	p1930	N91-20619
AF-AFOSR-0386-87	09	p1374	N91-17552
	18	p3038	N91-26765
AF-AFOSR-0388-87	19	p3234	N91-27879
AF-AFOSR-0388-89	22	p3758	N91-30949
	22	p3758	N91-30950
AF-AFOSR-0395-87	18	p2950	N91-26279
AF-AFOSR-0396-87	16	p2605	N91-24433
AF-AFOSR-0400-87	22	p3740	N91-30835
AF-AFOSR-0404-89	10	p1522	N91-18382
AF-AFOSR-0407-89	09	p1388	N91-17633
AF-AFOSR-0416-89	06	p0817	N91-14515
AF-AFOSR-0418-89	12	p1873	N91-20296
AF-AFOSR-0424-89	12	p1910	N91-20501
AF-AFOSR-0429-89	12	p1929	N91-20617
AF-AFOSR-0432-89	12	p1990	N91-20955
AF-AFOSR-0434-89	19	p3164	N91-27494
AF-AFOSR-0435-89	18	p2955	N91-26307
AF-AFOSR-0437-89	09	p1372	N91-17540
AF-AFOSR-0439-89	21	p3488	N91-29355
AF-AFOSR-0445-89	04	p0478	N91-12667
AF-AFOSR-0453-89	12	p1976	N91-20869
AF-AFOSR-0455-89	21	p3566	N91-29826
AF-AFOSR-0461-89	06	p0854	N91-14716
AF-AFOSR-0468-89	14	p2243	N91-22408
AF-AFOSR-0469-89	16	p2689	N91-24887
AF-AFOSR-0474-89	06	p0813	N91-14488
AF-AFOSR-0481-89	18	p3033	N91-26742
AF-AFOSR-0490-89	18	p3030	N91-26729
AF-AFOSR-0491-89	09	p1310	N91-17189
AF-AFOSR-0494-89	21	p3597	N91-30011
AF-AFOSR-0500-89	18	p3045	N91-26813
AF-AFOSR-0513-89	15	p2517	N91-23950
AF-AFOSR-0524-89	22	p3743	N91-30857
AF-AFOSR-0534-89	15	p2508	N91-23897
AF-AFOSR-0541-89	15	p2429	N91-23456
AF-AFOSR-0542-89	15	p2509	N91-23906
AF-AFOSR-0546-89	19	p3122	N91-27250
AF-AFOSR-0550-89	12	p1870	N91-20276
AF-AFOSR-2301-74	07	p0975	N91-15351
AFOSR-ISSA-90-0004	22	p3744	N91-30863
AIRMICS-19K-CN983-C	14	p2303	N91-22721
ANVAR-A86-02-019-M	03	p0343	N91-11921
ARB-A6-179-32	14	p2283	N91-22624
ARB-A832-103	18	p3006	N91-26597
ARC-89-34/CO-9971	09	p1341	N91-17363
ARO-MIPR-105-90	13	p2093	N91-21523
ARO-23394-EG	09	p1272	N91-16993
AROD-AA-03-87-G-003	07	p0972	N91-15336
ARPA ORDER 58-4155	19	p3218	N91-27786
ARPA ORDER 4138	13	p2169	N91-21970
ARPA ORDER 4242	09	p1373	N91-17547
	13	p2130	N91-21727
ARPA ORDER 4395	05	p0646	N91-13588
	15	p2505	N91-23878
ARPA ORDER 4976	19	p3220	N91-27801
ARPA ORDER 5190	12	p1986	N91-20932
ARPA ORDER 5307	12	p1922	N91-20576
	13	p2116	N91-21650
ARPA ORDER 5826	09	p1387	N91-17630
ARPA ORDER 5916	19	p3101	N91-27134
ARPA ORDER 5976	04	p0520	N91-12894
ARPA ORDER 6037	06	p0857	N91-14731
ARPA ORDER 6049	18	p2934	N91-26185
ARPA ORDER 6085	09	p1389	N91-17640
ARPA ORDER 6180	19	p3152	N91-27421
ARPA ORDER 6402	02	p0264	N91-11480
	02	p0264	N91-11481
	02	p0264	N91-11482
ARPA ORDER 6510	03	p0425	N91-12379
	03	p0425	N91-12380
	04	p0506	N91-12812
ARPA ORDER 6671	12	p1981	N91-20900
	19	p3245	N91-27948
ARPA ORDER 6808	18	p2964	N91-26358
ARPA ORDER 6874	04	p0479	N91-12670
ARPA ORDER 7412-A	18	p2989	N91-26503
ARPA ORDER 7526	21	p3581	N91-29922
ARPA ORDER 7549	21	p3505	N91-29452
ARPA ORDER 9520	18	p3070	N91-26961
ASI-88-08	11	p1754	N91-19647
ASL-86-8004	09	p1399	N91-17698
ATD-89-GNC-1504	18	p2925	N91-26140
A80/KL/138	05	p0649	N91-13605
A81/KM/126	05	p0626	N91-13468
	05	p0695	N91-13872
A83/K/58	22	p3711	N91-30652
A83/KLU/078	10	p1564	N91-18601
A84/K/025	22	p3664	N91-30399
A84/KL/105	22	p3689	N91-30541
A84/KL/121	07	p1008	N91-15537
	08	p1156	N91-16365
A84/KM/80	24	p4084	N91-32813
A84/KM/080	05	p0622	N91-13450
A85/D/114	22	p3648	N91-30306
	22	p3767	N91-31004
A86/K/012	05	p0650	N91-13607
	15	p2412	N91-23358
	22	p3664	N91-30398
A86/M/161	22	p3718	N91-30693
A87/D/149	05	p0717	N91-14003
	22	p3625	N91-30166
	24	p4072	N91-32753
	24	p4083	N91-32812
A87/KL/072	05	p0699	N91-13892
A87/KL/116	05	p0650	N91-13606
A87/KLU/131	08	p1130	N91-16213
	08	p1195	N91-16568
A87/KM/172	24	p4092	N91-32862
A88/KLU/631	05	p0654	N91-13636
A88/M/318	05	p0695	N91-13873
	15	p2474	N91-23703
A88/M/319	08	p1242	N91-16846
A89/K/602	05	p0674	N91-13747
	05	p0674	N91-13748
A89/K/659	24	p4006	N91-32396
A89/KL/121	24	p4022	N91-32477
A89/KL/325	22	p3625	N91-30167
A89/KL/606	05	p0695	N91-13871
A89/KLU/654	05	p0690	N91-13838
A89/KM/628	22	p3751	N91-30909
A90/KL/621	22	p3703	N91-30612
A90/KL/632	07	p0995	N91-15461
A90/KL/655	22	p3664	N91-30397
BCRS PROJ. AO-1.4	14	p2290	N91-22667
BCRS PROJ. AO-2.22	14	p2280	N91-22611
BCRS PROJ. CO-2.20	08	p1167	N91-16425
BCRS PROJ. OP-1.24	14	p2257	N91-22485
BCRS PROJ. OP-1.29	14	p2293	N91-22680
BCRS PROJ. OP-2.3	14	p2280	N91-22612
BCRS PROJ. TE-1.18	14	p2268	N91-22547
BCRS PROJ. TO-1.19	14	p2290	N91-22666
BCRS PROJ. 4543/AO-2.9	04	p0538	N91-12985
BCRS-4544/AO-1.2	11	p1693	N91-19327
BM-J0134035	09	p1407	N91-17741
	09	p1407	N91-17742
BMFT-FK-037459	23	p3888	N91-31696
BMFT-01-QV-87/2	11	p1747	N91-19604
BMFT-01-QV-223-9	11	p1742	N91-19580
BMFT-01-QV-8769	11	p1755	N91-19652
BMFT-01-QV-8802	11	p1744	N91-19591
BMFT-01-QV-85650	11	p1759	N91-19680
	11	p1760	N91-19682
BMFT-01-QV-87354	11	p1743	N91-19586
	11	p1745	N91-19594
	11	p1746	N91-19601
BMFT-01-QV-89873	14	p2334	N91-22901
BMFT-01-RS-8850	07	p0955	N91-15253
BMFT-01-YH-88/62	04	p0531	N91-12945
BMFT-03-M-1012	01	p0023	N91-10136
BMFT-03M1019BO	03	p0328	N91-11825
BMFT-05-AX-334-B2	10	p1530	N91-18424
BMFT-07KF2112-1	15	p2463	N91-23648
BMFT-13AS0022	03	p0424	N91-12375
BMVG-T/R-760/H-0003/H-1763	01	p0042	N91-10247
BMVG-T/R-760/I-0014/I-1714	03	p0366	N91-12048
	12	p1899	N91-20442
BMVG-T/R-760/K-0007/K-1707	13	p2028	N91-21151
BMVG-T/R-760/K-0012/K-1712	13	p2032	N91-21173
BMVG-T/RF41/E0010/E14	14	p2194	N91-22118
BMVG-T/RF42/G022/G1412	24	p4013	N91-32434
B87-63	05	p0697	N91-13881
B89-10	05	p0650	N91-13608
B103159	22	p3634	N91-30224
B239503	24	p4052	N91-32633
CA-ARB-A6-198-32	02	p0234	N91-11306
CA-ARB-A732-107	02	p0233	N91-11304
CETIM-86-3636	05	p0673	N91-13741
CETIM-88-1352-A	05	p0673	N91-13740
CETIM-88-1352-B	05	p0672	N91-13739
CETIM-89-9003	05	p0637	N91-13532
CICYT-ESP-88-0351	11	p1752	N91-19633
CIT-79-61805	10	p1523	N91-18387
CNES-CEA-844/87/4757/00	24	p3998	N91-32346
CNES-88/1305	11	p1758	N91-19672
CNES-89/1263	11	p1749	N91-19619
CNES-500193	11	p1742	N91-19581
CNES-500243	11	p1742	N91-19581
CPCB-01.03	02	p0280	N91-11574
CPCB-01.09	02	p0280	N91-11574
CS-10-88	13	p2176	N91-22016
CS-34-89	09	p1443	N91-17959
CW-0001-85	05	p0737	N91-14115
CWI-59-0922	03	p0411	N91-12295
	17	p2846	N91-25729
DA PROJ. 1C1-62622-A-553	15	p2399	N91-23288
	19	p3137	N91-27333
DA PROJ. 1C1-62622-A-553-E	14	p2239	N91-22387
DA PROJ. 1L1-6221-A-47A	19	p3176	N91-27558
DA PROJ. 1L1-61101-A-91-A	04	p0507	N91-12818
DA PROJ. 1L1-61101-AH-45	15	p2426	N91-23439
	16	p2561	N91-24204
	16	p2561	N91-24205
	16	p2561	N91-24206
	16	p2562	N91-24207
	16	p2562	N91-24208
DA PROJ. 1L1-61102-A-31-B	03	p0423	N91-12368
DA PROJ. 1L1-61102-AH-43	03	p0337	N91-11889
	03	p0347	N91-11941
	03	p0347	N91-11943
	04	p0523	N91-12914
	04	p0529	N91-12934
	07	p0987	N91-15420
	08	p1111	N91-16104
	08	p1111	N91-16105
	08	p1112	N91-16106
	13	p2058	N91-21328
	16	p2682	N91-24850
	21	p3475	N91-29276
	21	p3493	N91-29384

	21	p3603	N91-30050
DA PROJ. 1L1-61102-AH-45	04	p0523	N91-12913
	07	p0939	N91-15146
	08	p1145	N91-16304
	11	p1701	N91-19369
	12	p1828	N91-20044
	13	p2044	N91-21243
	14	p2271	N91-22566
	15	p2381	N91-23179
	18	p2943	N91-26233
	21	p3471	N91-29250
	22	p3690	N91-30546
	23	p3797	N91-31178
	23	p3917	N91-31876
DA PROJ. 1L1-61102-AH-45C	23	p3886	N91-31687
DA PROJ. 1L1-61102-AH-52	18	p2964	N91-26360
DA PROJ. 1L1-61102-BH-57	12	p1990	N91-20954
	16	p2671	N91-24784
	18	p2939	N91-26210
	21	p3527	N91-29596
	21	p3582	N91-29927
DA PROJ. 1L1-62099-AH-76	17	p2785	N91-25412
DA PROJ. 1L1-62105-AH-42	23	p3809	N91-31245
DA PROJ. 1L1-62105-AH-84	03	p0345	N91-11936
	15	p2395	N91-23263
	19	p3145	N91-27382
DA PROJ. 1L1-62111-AH-71	21	p3541	N91-29675
DA PROJ. 1L1-62120-A-140	21	p3555	N91-29752
DA PROJ. 1L1-62120-AH-25	08	p1098	N91-16029
	08	p1199	N91-16589
	09	p1285	N91-17066
	18	p2939	N91-26213
	18	p2983	N91-26473
DA PROJ. 1L1-62209-A-47A	17	p2785	N91-25411
DA PROJ. 1L1-62211-A-47-A	03	p0313	N91-11752
	05	p0614	N91-13406
	06	p0833	N91-14602
	11	p1714	N91-19438
	11	p1714	N91-19439
	13	p2094	N91-21531
	13	p2095	N91-21534
	14	p2241	N91-22402
	14	p2270	N91-22562
	14	p2272	N91-22570
	15	p2437	N91-23500
	15	p2439	N91-23513
DA PROJ. 1L1-62211-A-47-AB	05	p0625	N91-13462
DA PROJ. 1L1-62211-A-47A	17	p2782	N91-25395
	19	p3173	N91-27546
	19	p3177	N91-27569
	19	p3178	N91-27570
	21	p3528	N91-29599
	21	p3528	N91-29600
	22	p3688	N91-30533
	22	p3689	N91-30537
	23	p3797	N91-31181
	23	p3880	N91-31648
	23	p3881	N91-31654
DA PROJ. 1L1-62211-A-47AB	19	p3099	N91-27120
DA PROJ. 1L1-62211-37-A	15	p2439	N91-23514
DA PROJ. 1L1-62601-AH-91	15	p2410	N91-23342
DA PROJ. 1L1-62618-AH-80	01	p0001	N91-10005
	03	p0412	N91-12306
	03	p0427	N91-12393
	04	p0471	N91-12641
	04	p0532	N91-12950
	08	p1091	N91-15990
	09	p1284	N91-17062
	15	p2396	N91-23265
	15	p2440	N91-23518
	15	p2513	N91-23930
	18	p2922	N91-26118
	18	p2941	N91-26223
	18	p2942	N91-26230
	18	p2969	N91-26391
	18	p2999	N91-26560
	18	p3074	N91-26988
	19	p3162	N91-27484
	21	p3514	N91-29514
	22	p3657	N91-30357
DA PROJ. 1L1-62618-A1-FL	04	p0512	N91-12845
DA PROJ. 1L1-62705-AH-94	18	p3004	N91-26589
DA PROJ. 1L1-62716-AH-70	18	p3033	N91-26743
	18	p3077	N91-27007
	18	p3077	N91-27008
	19	p3150	N91-27411
	19	p3213	N91-27760
	19	p3213	N91-27762
DA PROJ. 1L1-66211-A-47-A	14	p2271	N91-22568
DA PROJ. 1L1-611102-H-47	21	p3505	N91-29456
DA PROJ. 1L1-662618-AH-80	03	p0335	N91-11878
DA PROJ. 1L1-6221147-A	04	p0533	N91-12956
DA PROJ. 1L2-63001-D-150	16	p2611	N91-24458
	19	p3174	N91-27550
DA PROJ. 1L2-63637-D-155	19	p3144	N91-27377
DA PROJ. 1L6-62618-AH-80	01	p0050	N91-10300
DA PROJ. 1L6-65502-MM-40	19	p3119	N91-27233
	21	p3470	N91-29247
DA PROJ. 2Q1-61102-B-74-F	21	p3550	N91-29725
DA PROJ. 2Q1-62785-A-790	12	p1932	N91-20632
DA PROJ. 2Q2-63007-A-793	03	p0397	N91-12208
	09	p1373	N91-17545
	18	p3036	N91-26757
DA PROJ. 2Q2-63007-A-795	04	p0487	N91-12709
DA PROJ. 2Q2-63744-A-795	12	p1930	N91-20623
DA PROJ. 3E1-62787-A-878	03	p0395	N91-12195
	08	p1191	N91-16545
	15	p2367	N91-23100
DA PROJ. 3E1-62787-A-879	03	p0394	N91-12188
	22	p3722	N91-30716
DA PROJ. 3E6-2777-A-879	22	p3716	N91-30680
DA PROJ. 3M1-61102-BS-12	18	p3027	N91-26708
	22	p3716	N91-30682
DA PROJ. 3M1-61102-BS-13	23	p3898	N91-31758
DA PROJ. 3M1-61102-BS-15	06	p0853	N91-14708
	18	p3020	N91-26671
	18	p3028	N91-26719
	23	p3899	N91-31766
DA PROJ. 3M1-62772-A-874	18	p3029	N91-26723
DA PROJ. 3M1-62787-A-874	18	p3030	N91-26730
DA PROJ. 3M1-62787-A-878	16	p2558	N91-24188
	21	p3547	N91-29710
DA PROJ. 3M1-62787-A-879	12	p1931	N91-20624
DA PROJ. 3M2-63002-D-995	16	p2663	N91-24736
DA PROJ. 3M2-63003-D-995	03	p0401	N91-12227
DA PROJ. 3M2-63763-D-807	08	p1207	N91-16639
DA PROJ. 3M4-63764-B-995	18	p3027	N91-26709
DA PROJ. 3M4-63764-D-995	03	p0395	N91-12193
DA PROJ. 3M4-63807-D-993	21	p3550	N91-29724
DA PROJ. 3M4-637648995	21	p3549	N91-29719
DA PROJ. 3S1-62772-A-874	18	p3029	N91-26724
DA PROJ. 4A1-61102-AT-23	21	p3563	N91-29803
DA PROJ. 4A1-61102-AT-24	16	p2625	N91-24534
	18	p3014	N91-26644
DA PROJ. 4A1-61102-B-52-C	23	p3888	N91-31697
DA PROJ. 4A1-62731-AT-41	15	p2389	N91-23227
DA PROJ. 4A7-62730-AT-42	15	p2398	N91-23280
	18	p2971	N91-26402
	21	p3534	N91-29639
DA PROJ. 4A7-62730-A4-AL	08	p1142	N91-16286
DA PROJ. 4A7-62784-AT-42	09	p1321	N91-17253
	21	p3534	N91-29639
DA PROJ. 4E1-61102-BS-04	18	p3020	N91-26671
DA PROJ. 74F	04	p0570	N91-13166
DA PROJ. 161-62786-AH-98	24	p4077	N91-32775
DA PROJ. 162-63102-D-071	08	p1105	N91-16068
DA PROJ. 162-63102-DO-71	08	p1106	N91-16072
DA PROJ. 668A	19	p3174	N91-27549
DA PROJ. 2312	19	p3211	N91-27753
DAAA08-89-C-0084	22	p3656	N91-30352
DAAA15-86-C-0098	18	p2939	N91-26213
DAAA15-86-K-0016	03	p0366	N91-12053
DAAA15-87-C-0004	02	p0276	N91-11552
DAAA15-87-D-0007	12	p1865	N91-20244
DAAA15-88-C-0012	12	p1851	N91-20176
DAAA15-88-C-0026	22	p3648	N91-30301
DAAA15-89-D-0008	22	p3623	N91-30158
DAAA21-86-C-0101	02	p0201	N91-11126
DAAA21-88-D-0021	04	p0511	N91-12837
DAAA21-88-R-0084	04	p0510	N91-12834
	04	p0510	N91-12835
DAAA21-89-C-0176	24	p4069	N91-32733
DAAB07-85-C-K524	22	p3722	N91-30715
DAAB07-87-C-A034	22	p3740	N91-30834
DAAB07-87-C-F094	03	p0423	N91-12368
DAAB07-87-D-B008	14	p2308	N91-22751
DAAB07-88-C-F205	21	p3498	N91-29411
DAAB07-88-C-F415	06	p0860	N91-14751
	06	p0860	N91-14752
	06	p0860	N91-14753
DAAB07-90-C-F422	19	p3145	N91-27384
DAAB10-87-C-0053	12	p1941	N91-20681
	14	p2314	N91-22783
DAAE07-84-C-R047	13	p2095	N91-21533
DAAE07-85-C-R054	13	p2095	N91-21533
DAAE07-87-C-R006	22	p3684	N91-30511
	22	p3684	N91-30512
DAAG29-78-G-0022	22	p3650	N91-30314
DAAG29-79-D-1003	22	p3650	N91-30314
DAAG29-81-D-0100	07	p0939	N91-15148
DAAG29-82-K-0093	23	p3885	N91-31679
DAAG29-82-K-0178	21	p3569	N91-29845
DAAG29-84-K-0048	12	p1943	N91-20692
	17	p2732	N91-25129
DAAG29-84-K-0060	12	p1967	N91-20827
DAAG29-84-K-0061	15	p2490	N91-23787
DAAG29-84-K-0069	01	p0076	N91-10458
	01	p0080	N91-10478
	01	p0081	N91-10483
DAAG29-84-K-0093	07	p1075	N91-15914
DAAG29-84-9-0027	15	p2490	N91-23787
DAAG29-85-K-0048	10	p1605	N91-18854
DAAG29-85-K-0107	13	p2162	N91-21921
DAAG29-85-K-0177	15	p2486	N91-23765
	15	p2525	N91-23993
DAAG29-85-K-0251	18	p3003	N91-26586
DAAG29-85-K-0261	13	p2161	N91-21917
DAAG46-82-C-0034	12	p1869	N91-20271
DAAH01-85-C-1418	14	p2259	N91-22496
DAAH01-87-D-0021	12	p1917	N91-20544
	12	p1917	N91-20545
	12	p1917	N91-20546
DAAH01-88-C-0131	16	p2618	N91-24495
	18	p2934	N91-26185
DAAH01-89-C-0418	12	p1981	N91-20900
	19	p3245	N91-27948
DAAH01-90-C-0616	19	p3101	N91-27134
DAAJ02-85-C-0049	06	p0783	N91-14343
	06	p0783	N91-14344
DAAJ02-87-C-0015	15	p2375	N91-23146
DAAJ02-88-C-0022	05	p0621	N91-13444
DAAK60-86-C-0128	03	p0395	N91-12196
DAAK60-89-C-1006	03	p0395	N91-12194
	04	p0551	N91-13055
	04	p0551	N91-13056
	04	p0551	N91-13057
	04	p0551	N91-13058
DAAK70-85-C-0007	23	p3794	N91-31164
DAAK70-87-C-0043	16	p2611	N91-24458
	19	p3174	N91-27550
	23	p3794	N91-31164
DAAK70-89-C-0022	06	p0834	N91-14612
DAAL01-88-C-0845	18	p3004	N91-26589
DAAL02-88-K-0056	12	p1893	N91-20407
DAAL02-89-C-0075	24	p4068	N91-32726
DAAL03-G-90-0090	21	p3566	N91-29826
DAAL03-01-G-0006	18	p2939	N91-26210
DAAL03-86-D-0001	15	p2399	N91-23288
	15	p2476	N91-23713
	18	p2974	N91-26420
	21	p3519	N91-29545
	21	p3566	N91-29821
DAAL03-86-G-0016	09	p1382	N91-17602
DAAL03-86-G-0021	04	p0568	N91-13149
DAAL03-86-G-0022	19	p3149	N91-27405
	19	p3149	N91-27406
DAAL03-86-G-0039	13	p2083	N91-21478
DAAL03-86-G-0040	16	p2547	N91-24116
DAAL03-86-G-0041	18	p2998	N91-26559
DAAL03-86-G-0044	13	p2013	N91-21072
DAAL03-86-G-0048	21	p3494	N91-29389
DAAL03-86-G-0052	08	p1134	N91-16243
DAAL03-86-G-0054	07	p0986	N91-15413
DAAL03-86-G-0056	18	p2978	N91-26440
DAAL03-86-G-0063	18	p3058	N91-26891
DAAL03-86-K-0001	12	p1866	N91-20255
DAAL03-86-K-0015	09	p1312	N91-17201
DAAL03-86-K-0020	13	p2076	N91-21438
DAAL03-86-K-0024	21	p3542	N91-29678
DAAL03-86-K-0034	13	p2056	N91-21318
DAAL03-86-K-0050	15	p2406	N91-23324
DAAL03-86-K-0056	13	p2028	N91-21153
DAAL03-86-K-0073	21	p3569	N91-29845
DAAL03-86-K-0076	15	p2440	N91-23519
DAAL03-86-K-0083	04	p0588	N91-13286
	08	p1234	N91-16801
DAAL03-86-K-0089	08	p1237	N91-16820
DAAL03-86-K-0090	09	p1326	N91-17285
DAAL03-86-K-0104	22	p3759	N91-30957
DAAL03-86-K-0109	13	p2136	N91-21759
DAAL03-86-K-0124	04	p0504	N91-12798
DAAL03-86-K-0128	03	p0340	N91-11907
	04	p0504	N91-12799
DAAL03-86-K-0147	04	p0580	N91-13235
DAAL03-86-K-0149	08	p1151	N91-16336
DAAL03-86-K-0164	08	p1115	N91-16129
DAAL03-86-K-0171	09	p1390	N91-17650
	22	p3746	N91-30874
DAAL03-86-K-0173	08	p1224	N91-16742
	13	p2072	N91-21411
	13	p2093	N91-21522
	13	p2154	N91-21874
	18	p2988	N91-26496
	18	p3063	N91-26921
	21	p3583	N91-29932
DAAL03-86-K-0174	19	p3173	N91-27542
DAAL03-87-C-0001	14	p2331	N91-22681
DAAL03-87-C-0007	22	p3660	N91-30373
DAAL03-87-C-0008	13	p2021	N91-21120
DAAL03-87-G-0003	09	p1312	N91-17200
	14	p2246	N91-22428
	14	p2246	N91-22429
	14	p2247	N91-22431
DAAL03-87-G-0004	06	p0861	N91-14754
	06	p0865	N91-14783
DAAL03-87-K-0001	15	p2495	N91-23819
DAAL03-87-K-0006	17	p2786	N91-25418
DAAL03-87-K-0016	08	p1164	N91-16410

DAAL03-87-K-0018 ..... 21 p3567 N91-29829
DAAL03-87-K-0019 ..... 14 p2264 N91-22522
DAAL03-87-K-0024 ..... 07 p0945 N91-15183
22 p3642 N91-30268
DAAL03-87-K-0025 ..... 08 p1211 N91-16663
DAAL03-87-K-0030 ..... 12 p1971 N91-20845
DAAL03-87-K-0033 ..... 04 p0564 N91-13128
DAAL03-87-K-0034 ..... 15 p2476 N91-23712
DAAL03-87-K-0035 ..... 14 p2304 N91-22733
DAAL03-87-K-0036 ..... 15 p2429 N91-23454
DAAL03-87-K-0037 ..... 18 p2924 N91-26134
DAAL03-87-K-0039 ..... 15 p2399 N91-23284
DAAL03-87-K-0042 ..... 08 p1112 N91-16107
DAAL03-87-K-0043 ..... 15 p2495 N91-23820
DAAL03-87-K-0047 ..... 07 p0972 N91-15339
DAAL03-87-K-0049 ..... 18 p2997 N91-26552
DAAL03-87-K-0051 ..... 03 p0421 N91-12357
DAAL03-87-K-0057 ..... 15 p2402 N91-23304
DAAL03-87-K-0058 ..... 18 p3011 N91-26628
DAAL03-87-K-0061 ..... 16 p2694 N91-24914
DAAL03-87-K-0062 ..... 08 p1128 N91-16200
DAAL03-87-K-0063 ..... 22 p3675 N91-30460
DAAL03-87-K-0065 ..... 21 p3489 N91-29363
DAAL03-87-K-0066 ..... 16 p2611 N91-24457
DAAL03-87-K-0071 ..... 04 p0507 N91-12818
DAAL03-87-K-0073 ..... 13 p2053 N91-21298
DAAL03-87-K-0075 ..... 13 p2057 N91-21319
DAAL03-87-K-0077 ..... 13 p2135 N91-21757
DAAL03-87-K-0078 ..... 07 p1000 N91-15492
DAAL03-87-K-0081 ..... 04 p0589 N91-13288
DAAL03-87-K-0085 ..... 08 p1128 N91-16201
22 p3660 N91-30376
DAAL03-87-K-0087 ..... 21 p3556 N91-29764
DAAL03-87-K-0088 ..... 04 p0514 N91-12860
04 p0519 N91-12887
DAAL03-87-K-0089 ..... 15 p2486 N91-23766
DAAL03-87-K-0093 ..... 18 p2989 N91-26502
DAAL03-87-K-0095 ..... 08 p1205 N91-16625
DAAL03-87-K-0097 ..... 18 p2972 N91-26409
DAAL03-87-K-0098 ..... 09 p1308 N91-17179
22 p3609 N91-30078
DAAL03-87-K-0099 ..... 07 p0983 N91-15395
DAAL03-87-K-0101 ..... 15 p2496 N91-23827
DAAL03-87-K-0102 ..... 16 p2678 N91-24826
DAAL03-87-K-0104 ..... 15 p2420 N91-23403
DAAL03-87-K-0107 ..... 04 p0519 N91-12888
DAAL03-87-K-0108 ..... 12 p1967 N91-20825
DAAL03-87-K-0111 ..... 21 p3507 N91-29468
DAAL03-87-K-0113 ..... 18 p2994 N91-26531
DAAL03-87-K-0114 ..... 18 p2994 N91-26533
DAAL03-87-K-0115 ..... 14 p2241 N91-22395
DAAL03-87-K-0116 ..... 21 p3457 N91-29175
DAAL03-87-K-0117 ..... 21 p3524 N91-29573
DAAL03-87-K-0125 ..... 18 p2980 N91-26458
DAAL03-87-K-0126 ..... 14 p2331 N91-22880
DAAL03-87-K-0130 ..... 07 p0978 N91-15369
DAAL03-87-K-0136 ..... 21 p3490 N91-29367
DAAL03-87-K-0137 ..... 13 p2083 N91-21476
DAAL03-87-K-0141 ..... 16 p2690 N91-24890
DAAL03-87-K-0144 ..... 18 p2989 N91-26501
DAAL03-87-K-0147 ..... 21 p3583 N91-29931
DAAL03-87-K-0148 ..... 13 p2050 N91-21281
DAAL03-87-K-0149 ..... 13 p2162 N91-21924
DAAL03-87-K-0150 ..... 16 p2681 N91-24842
DAAL03-87-K-0152 ..... 13 p2155 N91-21877
DAAL03-87-K-0153 ..... 21 p3598 N91-30017
DAAL03-88-C-0005 ..... 22 p3647 N91-30300
DAAL03-88-C-0011 ..... 16 p2695 N91-24921
22 p3668 N91-30422
DAAL03-88-C-0023 ..... 15 p2419 N91-23399
DAAL03-88-C-0027 ..... 09 p1318 N91-17235
DAAL03-88-C-0031 ..... 14 p2246 N91-22423
DAAL03-88-G-0001 ..... 23 p3933 N91-31983
DAAL03-88-K-0005 ..... 04 p0520 N91-12893
DAAL03-88-K-0006 ..... 21 p3576 N91-29891
DAAL03-88-K-0012 ..... 18 p2945 N91-26246
DAAL03-88-K-0013 ..... 21 p3533 N91-29628
DAAL03-88-K-0014 ..... 22 p3683 N91-30506
DAAL03-88-K-0020 ..... 23 p3933 N91-31983
DAAL03-88-K-0025 ..... 18 p2989 N91-26500
DAAL03-88-K-0031 ..... 21 p3576 N91-29889
DAAL03-88-K-0034 ..... 21 p3576 N91-29890
DAAL03-88-K-0040 ..... 21 p3524 N91-29575
DAAL03-88-K-0045 ..... 21 p3567 N91-29830
DAAL03-88-K-0050 ..... 18 p2974 N91-26419
DAAL03-88-K-0057 ..... 23 p3857 N91-31504
DAAL03-88-K-0060 ..... 22 p3759 N91-30956
DAAL03-88-K-0063 ..... 07 p1061 N91-15837
08 p1203 N91-16613
08 p1206 N91-16636
08 p1210 N91-16662
08 p1211 N91-16667
08 p1211 N91-16668
21 p3557 N91-29765
21 p3568 N91-29836
DAAL03-88-K-0068 ..... 18 p2994 N91-26534
DAAL03-88-K-0072 ..... 21 p3598 N91-30015
DAAL03-88-K-0076 ..... 15 p2495 N91-23817
DAAL03-88-K-0085 ..... 24 p4089 N91-32845
DAAL03-88-K-0086 ..... 16 p2671 N91-24781
18 p3039 N91-26777
18 p3040 N91-26778
DAAL03-88-K-0087 ..... 15 p2524 N91-23992
DAAL03-88-K-0104 ..... 15 p2407 N91-23329
15 p2407 N91-23330
16 p2605 N91-24435
23 p3808 N91-31244
DAAL03-88-K-0115 ..... 13 p2077 N91-21439
DAAL03-88-K-0116 ..... 19 p3209 N91-27738
DAAL03-88-K-0117 ..... 22 p3737 N91-30811
DAAL03-88-K-0121 ..... 13 p2057 N91-21320
DAAL03-88-K-0177 ..... 21 p3519 N91-29544
DAAL03-88-K-0195 ..... 13 p2089 N91-21499
DAAL03-89-C-0007 ..... 22 p3862 N91-30389
DAAL03-89-C-0008 ..... 04 p0515 N91-12861
DAAL03-89-C-0019 ..... 04 p0536 N91-12974
DAAL03-89-C-0025 ..... 04 p0590 N91-13294
DAAL03-89-C-0033 ..... 04 p0554 N91-13073
DAAL03-89-C-0035 ..... 04 p0476 N91-12656
DAAL03-89-G-0023 ..... 10 p1457 N91-18034
DAAL03-89-G-0109 ..... 13 p2098 N91-21548
DAAL03-89-G-0122 ..... 08 p1241 N91-16842
DAAL03-89-K-0024 ..... 18 p2975 N91-26426
DAAL03-89-K-0032 ..... 14 p2306 N91-22743
DAAL03-89-K-0033 ..... 12 p1971 N91-20846
13 p2144 N91-21809
21 p3567 N91-29831
DAAL03-89-K-0056 ..... 09 p1322 N91-17260
DAAL03-89-K-0064 ..... 21 p3558 N91-29772
DAAL03-89-K-0073 ..... 23 p3857 N91-31509
DAAL03-89-K-0092 ..... 11 p1639 N91-19038
11 p1639 N91-19039
DAAL03-89-K-0115 ..... 09 p1312 N91-17201
DAAL03-89-K-0129 ..... 18 p3053 N91-26857
DAAL03-89-K-0131 ..... 13 p2056 N91-21317
DAAL03-89-K-0141 ..... 04 p0516 N91-12868
04 p0577 N91-13211
13 p2154 N91-21876
DAAL03-89-K-0142 ..... 18 p3043 N91-26801
DAAL03-89-K-0156 ..... 12 p1966 N91-20820
15 p2494 N91-23814
DAAL03-89-K-0160 ..... 18 p2988 N91-26499
DAAL03-89-K-0161 ..... 15 p2434 N91-23484
DAAL03-89-K-0173 ..... 15 p2505 N91-23881
DAAL03-90-C-0005 ..... 13 p2146 N91-21821
DAAL03-90-C-0012 ..... 16 p2630 N91-24560
DAAL03-90-C-0014 ..... 15 p2428 N91-23448
DAAL03-90-C-0015 ..... 16 p2611 N91-24456
DAAL03-90-C-0016 ..... 22 p3644 N91-30279
DAAL03-90-C-0018 ..... 16 p2657 N91-24703
DAAL03-90-C-0025 ..... 22 p3658 N91-30360
DAAL03-90-G-0069 ..... 03 p0413 N91-12310
18 p3055 N91-26873
DAAL03-90-G-0077 ..... 13 p2144 N91-21806
DAAL03-90-G-0092 ..... 06 p0862 N91-14765
DAAL03-90-G-0096 ..... 08 p1201 N91-16606
DAAL03-90-G-0103 ..... 04 p0533 N91-12959
21 p3568 N91-29838
21 p3568 N91-29839
21 p3568 N91-29840
DAAL03-90-G-0202 ..... 12 p1991 N91-20960
DAAL03-91-G-0037 ..... 16 p2590 N91-24354
DAAL03-91-G-0050 ..... 21 p3524 N91-29576
DAAL03-91-G-0057 ..... 21 p3489 N91-29361
DAAL04-86-C-0030 ..... 10 p1509 N91-18302
DAAL04-87-C-0064 ..... 19 p3119 N91-27233
21 p3470 N91-29247
DAAL04-87-C-0078 ..... 08 p1106 N91-16072
DACA39-86-C-0024 ..... 10 p1568 N91-18624
10 p1569 N91-18625
DACA72-87-C-0001 ..... 07 p1024 N91-15623
07 p1025 N91-15624
DACA76-85-C-0001 ..... 04 p0571 N91-13171
08 p1129 N91-16210
08 p1160 N91-16387
DACA76-85-C-0010 ..... 03 p0386 N91-12150
04 p0553 N91-13069
13 p2137 N91-21766
13 p2137 N91-21767
18 p3040 N91-26781
18 p3040 N91-26782
18 p3045 N91-26810
22 p3740 N91-30833
DACA76-88-C-0008 ..... 21 p3455 N91-29164
DACA76-90-C-0013 ..... 21 p3554 N91-29748
DACA88-85-M-0271 ..... 18 p2929 N91-26161
DACA88-85-M-0786 ..... 18 p2929 N91-26161
DACA88-90-D-0003 ..... 16 p2635 N91-24585
DACA89-89-K-0004 ..... 19 p3122 N91-27248
DACW39-88-D-0039 ..... 06 p0784 N91-14348
DACW39-89-M-3481 ..... 22 p3711 N91-30657
DACW39-89-M-5054 ..... 13 p2169 N91-21974
DACW88-85-D-0004 ..... 18 p2929 N91-26161
DAEA18-90-C-0044 ..... 19 p3246 N91-27953
DAJA-90-C-0003 ..... 12 p1990 N91-20951
DAJA45-86-C-0007 ..... 21 p3527 N91-29596
DAJA45-86-C-0040 ..... 12 p1866 N91-20251
DAJA45-86-C-0044 ..... 19 p3153 N91-27428
DAJA45-86-C-0048 ..... 04 p0554 N91-13071
DAJA45-86-C-0056 ..... 04 p0510 N91-12832
DAJA45-87-C-0003 ..... 16 p2671 N91-24784
DAJA45-87-C-0009 ..... 14 p2299 N91-22708
DAJA45-87-C-0010 ..... 18 p2968 N91-26388
DAJA45-87-C-0038 ..... 19 p3225 N91-27827
DAJA45-87-C-0047 ..... 19 p3134 N91-27319
DAJA45-87-C-0059 ..... 12 p1990 N91-20954
DAJA45-88-C-0006 ..... 19 p3254 N91-28003
DAJA45-88-C-0007 ..... 22 p3642 N91-30269
DAJA45-88-C-0024 ..... 21 p3550 N91-29725
21 p3551 N91-29731
DAJA45-88-C-0038 ..... 20 p3348 N91-28540
DAJA45-88-M-0325 ..... 09 p1368 N91-17520
DAJA45-89-C-0006 ..... 16 p2635 N91-24589
DAJA45-89-C-0008 ..... 12 p1907 N91-20491
DAJA45-89-C-0013 ..... 09 p1329 N91-17302
DAJA45-89-M-0125 ..... 14 p2298 N91-22705
DAJA45-90-C-0002 ..... 21 p3489 N91-29359
DAJA45-90-C-0005 ..... 21 p3582 N91-29927
DAJA45-90-C-0009 ..... 18 p3014 N91-26639
DAJA45-90-C-0052 ..... 21 p3532 N91-29625
DAJA45-90-M-0056 ..... 09 p1330 N91-17304
DAJA45-90-M-0117 ..... 04 p0522 N91-12903
DAJA45-90-M-0185 ..... 21 p3597 N91-30013
DAJA45-90-M-0186 ..... 22 p3671 N91-30442
DAJA45-90-M-0227 ..... 03 p0345 N91-11930
DAJA87-87-C-0031 ..... 18 p2961 N91-26346
DAJA89-M-0213 ..... 03 p0345 N91-11935
DAKF11-89-C-0014 ..... 17 p2829 N91-25627
DAMD17-83-C-3150 ..... 03 p0395 N91-12193
DAMD17-85-C-5205 ..... 22 p3716 N91-30680
DAMD17-86-C-6194 ..... 23 p3899 N91-31766
DAMD17-87-C-7030 ..... 18 p3029 N91-26724
DAMD17-87-C-7137 ..... 18 p3027 N91-26708
DAMD17-87-C-7235 ..... 18 p3028 N91-26719
DAMD17-88-C-8014 ..... 18 p3029 N91-26723
DAMD17-88-C-8032 ..... 03 p0395 N91-12195
DAMD17-88-C-8105 ..... 18 p3030 N91-26730
DAMD17-88-C-81699 ..... 18 p3027 N91-26712
DAMD17-89-C-9060 ..... 22 p3716 N91-30682
DAMD17-90-C-0010 ..... 23 p3898 N91-31758
DAMD17-90-Z-0028 ..... 22 p3717 N91-30690
DANISH-SB-1112-14/89 ..... 11 p1748 N91-19612
DARPA ORDER 1133 ..... 08 p1196 N91-16571
08 p1196 N91-16572
DARPA ORDER 4395 ..... 05 p0648 N91-13599
DARPA ORDER 4976 ..... 07 p1024 N91-15623
07 p1025 N91-15624
DARPA ORDER 6090 ..... 08 p1204 N91-16622
DARPA ORDER 6131 ..... 04 p0560 N91-13108
DARPA ORDER 6140 ..... 15 p2518 N91-23961
DARPA ORDER 6155 ..... 21 p3538 N91-29658
DARPA ORDER 6177 ..... 18 p3039 N91-26774
19 p3226 N91-27832
DARPA ORDER 6227 ..... 16 p2680 N91-24840
DARPA ORDER 6325 ..... 09 p1340 N91-17361
15 p2433 N91-23481
DARPA ORDER 6485 ..... 09 p1327 N91-17292
DARPA ORDER 9525 ..... 08 p1237 N91-16818
DARPA ORDER-4395 ..... 10 p1594 N91-18797
DASG60-88-C-0037 ..... 03 p0301 N91-11678
DASG60-88-C-0040 ..... 13 p2035 N91-21193
DASG60-88-C-0047 ..... 19 p3108 N91-27173
DASG60-89-C-0075 ..... 04 p0554 N91-13074
DASG60-89-C-0142 ..... 04 p0474 N91-12649
04 p0474 N91-12650
04 p0475 N91-12651
05 p0618 N91-13429
05 p0618 N91-13430
DASG60-89-C-0145 ..... 19 p3244 N91-27942
DASG60-90-C-0037 ..... 14 p2240 N91-22391
DASG60-90-C-0061 ..... 18 p2990 N91-26513
DCA100-87-C-0063 ..... 12 p1883 N91-20352
DCA100-87-C-0078 ..... 12 p1882 N91-20347
DCA100-89-C-0015 ..... 18 p3042 N91-26794
DCIEM-W-711-6-9281/01-SE 22 p3720 N91-30707
DCIEM-W7711-8-7042/01-SE 22 p3720 N91-30704
DE-AC0S-84OR-21400 ..... 24 p4089 N91-32844
DE-AC01-87CE-40762 ..... 02 p0230 N91-11284
DE-AC01-89DP-20154 ..... 21 p3585 N91-29945
DE-AC01-89EH-89027 ..... 09 p1357 N91-17456
DE-AC01-89ER-30152 ..... 04 p0508 N91-12824
DE-AC02-76CH-00016 ..... 01 p0027 N91-10159
01 p0067 N91-10407
01 p0128 N91-10760
02 p0198 N91-11108
02 p0268 N91-11500
03 p0337 N91-11887
04 p0502 N91-12785

04 p0509 N91-12828
04 p0529 N91-12937
04 p0530 N91-12938
04 p0545 N91-13025
04 p0573 N91-13185
04 p0573 N91-13186
04 p0581 N91-13239
04 p0582 N91-13247
04 p0583 N91-13253
04 p0591 N91-13304
05 p0674 N91-13746
05 p0685 N91-13811
05 p0686 N91-13814
05 p0693 N91-13859
05 p0694 N91-13866
06 p0787 N91-14354
06 p0827 N91-14571
06 p0847 N91-14678
06 p0870 N91-14811
06 p0871 N91-14812
06 p0873 N91-14826
06 p0880 N91-14861
07 p1027 N91-15640
08 p1171 N91-16446
08 p1172 N91-16453
08 p1190 N91-16542
08 p1222 N91-16733
08 p1225 N91-16747
08 p1234 N91-16800
08 p1234 N91-16803
08 p1234 N91-16804
08 p1236 N91-16811
09 p1328 N91-17294
09 p1337 N91-17345
09 p1373 N91-17544
09 p1399 N91-17701
10 p1544 N91-18500
10 p1590 N91-18764
11 p1684 N91-19278
11 p1684 N91-19279
11 p1684 N91-19280
11 p1688 N91-19302
11 p1699 N91-19359
11 p1699 N91-19360
11 p1699 N91-19361
11 p1711 N91-19422
11 p1712 N91-19432
11 p1734 N91-19538
11 p1735 N91-19542
11 p1765 N91-19712
11 p1793 N91-19835
11 p1795 N91-19848
11 p1795 N91-19849
11 p1795 N91-19850
11 p1796 N91-19851
11 p1799 N91-19873
11 p1799 N91-19874
11 p1808 N91-19929
12 p2000 N91-21010
13 p2049 N91-21271
13 p2052 N91-21293
13 p2052 N91-21294
13 p2053 N91-21295
13 p2053 N91-21296
13 p2092 N91-21513
13 p2092 N91-21515
13 p2130 N91-21725
13 p2148 N91-21835
13 p2154 N91-21873
13 p2161 N91-21916
14 p2199 N91-22144
14 p2199 N91-22145
14 p2260 N91-22506
14 p2326 N91-22851
15 p2433 N91-23476
15 p2459 N91-23626
15 p2506 N91-23886
15 p2515 N91-23940
17 p2816 N91-25565
17 p2863 N91-25832
17 p2871 N91-25879
17 p2871 N91-25882
18 p2956 N91-26316
18 p3007 N91-26605
18 p3007 N91-26607
18 p3008 N91-26609
18 p3008 N91-26610
18 p3019 N91-26667
18 p3019 N91-26668
18 p3061 N91-26906
18 p3074 N91-26990
19 p3123 N91-27251
20 p3309 N91-28318
20 p3318 N91-28370
20 p3339 N91-28494
20 p3339 N91-28495

DE-AC02-76CH-03000
01 p0025 N91-10147
01 p0047 N91-10281
02 p0194 N91-11086
02 p0269 N91-11511
06 p0824 N91-14554
07 p1083 N91-15958
08 p1147 N91-16316
08 p1231 N91-16787
08 p1265 N91-16966
09 p1428 N91-17860
10 p1519 N91-18361
10 p1594 N91-18794
10 p1617 N91-18918
10 p1618 N91-18919
11 p1699 N91-19356
11 p1790 N91-19821
11 p1813 N91-19958
13 p2117 N91-21655
13 p2150 N91-21848
13 p2152 N91-21864
13 p2181 N91-22055
14 p2258 N91-22491
14 p2354 N91-23019
18 p3062 N91-26914
18 p3062 N91-26916
18 p3082 N91-27044
20 p3340 N91-28497
20 p3360 N91-28610
20 p3404 N91-28867
21 p3498 N91-29407
21 p3498 N91-29408
21 p3565 N91-29816
21 p3606 N91-30065
24 p4009 N91-32414
24 p4090 N91-32849
24 p4121 N91-33032
24 p4122 N91-33040

DE-AC02-76CH-03073
05 p0720 N91-14017
09 p1406 N91-17739
10 p1597 N91-18810
10 p1600 N91-18824
11 p1804 N91-19908
13 p2157 N91-21889
20 p3407 N91-28889
20 p3416 N91-28940

DE-AC02-76ER-00038
11 p1794 N91-19843

DE-AC02-76ER-00881
20 p3425 N91-28996
21 p3580 N91-29912
23 p3925 N91-31930

DE-AC02-76ER-01198
06 p0802 N91-14425
08 p1236 N91-16811
10 p1499 N91-18253
10 p1606 N91-18865

DE-AC02-76ER-01545
08 p1209 N91-16648
08 p1239 N91-16827
20 p3352 N91-28569
20 p3359 N91-28606
20 p3368 N91-28660
20 p3402 N91-28854
20 p3403 N91-28866
20 p3404 N91-28870
20 p3405 N91-28874
20 p3424 N91-28994
20 p3431 N91-29031
20 p3432 N91-29039
21 p3468 N91-29232
21 p3481 N91-29307
21 p3483 N91-29323
21 p3538 N91-29656
21 p3542 N91-29681
21 p3572 N91-29859
21 p3573 N91-29870
21 p3577 N91-29895
21 p3586 N91-29947
21 p3599 N91-30026
22 p3650 N91-30313
22 p3760 N91-30960
22 p3760 N91-30961
23 p3822 N91-31320
23 p3892 N91-31720
23 p3898 N91-31756
23 p3927 N91-31942
23 p3932 N91-31972
23 p3932 N91-31977
23 p3933 N91-31981
23 p3933 N91-31982
24 p3967 N91-32160
24 p3976 N91-32211
24 p4042 N91-32585
24 p4096 N91-32889
24 p4097 N91-32893
24 p4100 N91-32907
24 p4102 N91-32920
24 p4103 N91-32927
24 p4110 N91-32972
24 p4111 N91-32978

DE-AC02-76ER-01713
12 p1978 N91-20685

DE-AC02-76ER-02271
21 p3579 N91-29904
21 p3579 N91-29905

DE-AC02-76ER-03066
16 p2697 N91-24934
20 p3402 N91-28858

DE-AC02-76ER-03077
21 p3561 N91-29795

DE-AC02-76ER-03130
21 p3579 N91-29907
23 p3926 N91-31941

DE-AC02-76ER-03230
21 p3577 N91-29892

DE-AC02-76ER-03274
08 p1222 N91-16733
08 p1225 N91-16747

DE-AC02-78ER-05007
05 p0765 N91-14250

DE-AC02-78ET-51013
06 p0877 N91-14848
14 p2322 N91-22627
14 p2329 N91-22668

DE-AC02-79ET-10815
11 p1804 N91-19906
20 p3348 N91-28541

DE-AC02-80ER-10744
10 p1499 N91-18253

DE-AC02-80ET-15601
11 p1710 N91-19420
11 p1777 N91-19746
11 p1804 N91-19905
22 p3757 N91-30948

DE-AC02-80RA-50219
08 p1189 N91-16537
08 p1189 N91-16539

DE-AC02-83CH-10093
01 p0064 N91-10384
01 p0128 N91-10756
02 p0229 N91-11280
02 p0229 N91-11282
02 p0230 N91-11283
02 p0230 N91-11284
02 p0230 N91-11285
02 p0230 N91-11286
02 p0230 N91-11287
02 p0232 N91-11295
02 p0232 N91-11296
02 p0232 N91-11297
02 p0277 N91-11557
02 p0280 N91-11572
04 p0511 N91-12839
04 p0543 N91-13012
05 p0615 N91-13414
05 p0682 N91-13792
05 p0685 N91-13809
06 p0827 N91-14572
06 p0836 N91-14621
06 p0840 N91-14643
06 p0841 N91-14644
06 p0842 N91-14649
07 p1026 N91-15629
07 p1072 N91-15901
08 p1117 N91-16139
08 p1170 N91-16443
08 p1170 N91-16444
08 p1198 N91-16582
09 p1362 N91-17483
09 p1415 N91-17789
10 p1539 N91-18473
10 p1539 N91-18474
10 p1540 N91-18476
10 p1540 N91-18477
10 p1540 N91-18478
10 p1540 N91-18479
10 p1543 N91-18494
10 p1608 N91-18874
10 p1625 N91-18961
10 p1625 N91-18962
11 p1670 N91-19202
11 p1725 N91-19501
11 p1725 N91-19502
12 p1919 N91-20560
15 p2458 N91-23618
17 p2782 N91-25291
17 p2805 N91-25507
17 p2805 N91-25508
18 p3004 N91-26588
18 p3004 N91-26591
20 p3328 N91-28429
20 p3337 N91-28480
20 p3367 N91-28650
20 p3368 N91-28656
20 p3368 N91-28658
20 p3369 N91-28663
21 p3535 N91-29643
21 p3536 N91-29646
21 p3536 N91-29649
21 p3536 N91-29650
21 p3539 N91-29683
21 p3592 N91-29983
22 p3631 N91-30205
22 p3684 N91-30513
22 p3700 N91-30603
22 p3701 N91-30604
22 p3701 N91-30605
22 p3760 N91-30959
24 p4040 N91-32575

DE-AC02-83CH-10098
09 p1355 N91-17441

DE-AC02-83ER-13044	11	p1704	N91-19382
DE-AC02-83ER-40085	21	p3579	N91-29908
DE-AC02-83ER-40105	14	p2347	N91-22983
DE-AC02-83ER-40107	08	p1222	N91-16733
	08	p1225	N91-16747
DE-AC02-84ER-13152	09	p1338	N91-17348
DE-AC02-84ER-40125	21	p3602	N91-30040
DE-AC02-85ER-40193	09	p1398	N91-17691
DE-AC02-86ER-40284	10	p1594	N91-18793
DE-AC02-86NV-10509	17	p2770	N91-25328
DE-AC02-87ER-40325	08	p1239	N91-16827
	10	p1595	N91-18802
DE-AC02-87ER-40368	14	p2326	N91-22852
DE-AC02-89CE-40878	21	p3484	N91-29330
DE-AC02-89CH-10406	11	p1698	N91-19353
	15	p2417	N91-23383
DE-AC02-89ER-40486	08	p1213	N91-16674
	11	p1797	N91-19863
	11	p1814	N91-19963
	15	p2418	N91-23391
	15	p2446	N91-23547
	18	p3052	N91-26856
	18	p3062	N91-26917
	20	p3391	N91-28794
	20	p3427	N91-29010
	20	p3432	N91-29040
	20	p3438	N91-29079
	21	p3498	N91-29410
	21	p3554	N91-29746
DE-AC02-89ER-40509	10	p1591	N91-18774
DE-AC02-89ER-80807	05	p0682	N91-13794
DE-AC03-76DP-00789	11	p1800	N91-19881
DE-AC03-76SF-00098	01	p0022	N91-10129
	01	p0030	N91-10177
	01	p0034	N91-10203
	01	p0038	N91-10223
	01	p0131	N91-10775
	01	p0133	N91-10783
	02	p0199	N91-11113
	02	p0205	N91-11149
	02	p0207	N91-11161
	02	p0282	N91-11585
	03	p0341	N91-11914
	03	p0401	N91-12232
	04	p0590	N91-13297
	05	p0713	N91-13978
	05	p0714	N91-13982
	05	p0727	N91-14060
	05	p0728	N91-14068
	05	p0729	N91-14073
	06	p0794	N91-14389
	06	p0804	N91-14439
	06	p0806	N91-14449
	06	p0807	N91-14456
	06	p0884	N91-14887
	07	p0998	N91-15482
	07	p1022	N91-15609
	07	p1034	N91-15670
	07	p1034	N91-15671
	07	p1039	N91-15697
	07	p1071	N91-15894
	07	p1073	N91-15905
	07	p1075	N91-15916
	07	p1081	N91-15948
	07	p1081	N91-15949
	08	p1114	N91-16119
	08	p1118	N91-16142
	08	p1119	N91-16149
	08	p1132	N91-16228
	08	p1148	N91-16322
	08	p1152	N91-16344
	08	p1154	N91-16358
	08	p1191	N91-16546
	08	p1222	N91-16735
	08	p1233	N91-16797
	08	p1233	N91-16798
	09	p1303	N91-17150
	09	p1306	N91-17165
	09	p1306	N91-17166
	09	p1315	N91-17220
	09	p1339	N91-17355
	09	p1411	N91-17767
	09	p1411	N91-17768
	10	p1494	N91-18225
	10	p1498	N91-18245
	10	p1516	N91-18346
	10	p1524	N91-18388
	10	p1526	N91-18404
	10	p1531	N91-18433
	10	p1531	N91-18434
	10	p1535	N91-18453
	10	p1538	N91-18463
	10	p1559	N91-18572
	10	p1604	N91-18849
	10	p1604	N91-18850
	10	p1606	N91-18860
	10	p1610	N91-18886
	10	p1611	N91-18887
	10	p1616	N91-18913
	11	p1710	N91-19416
	11	p1710	N91-19418
	11	p1711	N91-19423
	11	p1711	N91-19425
	11	p1711	N91-19426
	11	p1712	N91-19427
	11	p1797	N91-19861
	11	p1808	N91-19930
	11	p1808	N91-19931
	11	p1809	N91-19933
	11	p1809	N91-19934
	11	p1812	N91-19951
	12	p1920	N91-20562
	12	p1985	N91-20923
	13	p2052	N91-21290
	13	p2052	N91-21291
	13	p2053	N91-21297
	13	p2076	N91-21436
	13	p2091	N91-21508
	13	p2105	N91-21586
	13	p2149	N91-21844
	13	p2159	N91-21906
	13	p2159	N91-21907
	13	p2160	N91-21913
	13	p2168	N91-21968
	14	p2247	N91-22434
	14	p2252	N91-22459
	14	p2261	N91-22507
	14	p2270	N91-22558
	14	p2283	N91-22626
	14	p2327	N91-22858
	14	p2330	N91-22871
	15	p2402	N91-23300
	15	p2417	N91-23384
	15	p2431	N91-23464
	15	p2473	N91-23698
	15	p2482	N91-23737
	15	p2483	N91-23741
	15	p2502	N91-23856
	15	p2506	N91-23882
	15	p2514	N91-23935
	16	p2602	N91-24422
	16	p2652	N91-24676
	17	p2757	N91-25258
	17	p2770	N91-25327
	17	p2778	N91-25378
	17	p2868	N91-25865
	17	p2872	N91-25884
	17	p2874	N91-25896
	17	p2888	N91-25970
	18	p2956	N91-26311
	18	p2981	N91-26464
	18	p3001	N91-26571
	18	p3021	N91-26681
	18	p3060	N91-26904
	18	p3071	N91-26973
	18	p3072	N91-26974
	18	p3073	N91-26981
	18	p3073	N91-26985
	18	p3075	N91-26991
	18	p3075	N91-26992
	18	p3084	N91-27050
	18	p3084	N91-27051
	20	p3303	N91-28281
	20	p3308	N91-28308
	20	p3309	N91-28315
	20	p3314	N91-28345
	20	p3323	N91-28399
	20	p3331	N91-28450
	20	p3336	N91-28476
	20	p3340	N91-28498
	20	p3345	N91-28527
	20	p3349	N91-28548
	20	p3358	N91-28603
	20	p3371	N91-28677
	20	p3379	N91-28720
	20	p3379	N91-28721
	20	p3379	N91-28722
	20	p3382	N91-28737
	20	p3386	N91-28759
	20	p3386	N91-28763
	20	p3387	N91-28768
	20	p3393	N91-28807
	20	p3400	N91-28844
	20	p3403	N91-28862
	20	p3422	N91-28979
	20	p3424	N91-28992
	20	p3424	N91-28993
	20	p3425	N91-28997
	20	p3425	N91-28998
	20	p3426	N91-29002
	20	p3426	N91-29006
	20	p3427	N91-29007
	20	p3429	N91-29021
	20	p3430	N91-29030
	20	p3432	N91-29038
	20	p3434	N91-29054
	20	p3436	N91-29062
	20	p3437	N91-29073
	20	p3440	N91-29091
	20	p3446	N91-29125
	20	p3448	N91-29133
	21	p3463	N91-29204
	21	p3472	N91-29256
	21	p3473	N91-29259
	21	p3473	N91-29264
	21	p3477	N91-29286
	21	p3503	N91-29444
	21	p3526	N91-29584
	21	p3550	N91-29723
	21	p3573	N91-29868
	21	p3591	N91-29974
	21	p3601	N91-30038
	22	p3753	N91-30919
	23	p3810	N91-31254
	23	p3815	N91-31279
	23	p3816	N91-31288
	23	p3852	N91-31473
	23	p3874	N91-31611
	23	p3928	N91-31948
	23	p3932	N91-31974
	23	p3932	N91-31975
	23	p3938	N91-32010
	23	p3939	N91-32016
	23	p3939	N91-32018
	24	p3973	N91-32195
	24	p3976	N91-32210
	24	p4007	N91-32404
	24	p4016	N91-32455
	24	p4042	N91-32586
	24	p4072	N91-32749
	24	p4087	N91-32835
	24	p4093	N91-32866
	24	p4095	N91-32879
	24	p4095	N91-32880
	24	p4100	N91-32909
	24	p4101	N91-32915
	24	p4108	N91-32958
	24	p4113	N91-32992
DE-AC03-76SF-00515	01	p0133	N91-10789
	01	p0133	N91-10790
	04	p0514	N91-12855
	06	p0790	N91-14369
	06	p0862	N91-14763
	06	p0872	N91-14819
	07	p0999	N91-15484
	07	p1039	N91-15697
	07	p1067	N91-15870
	07	p1068	N91-15876
	08	p1125	N91-16183
	08	p1221	N91-16726
	08	p1231	N91-16785
	08	p1232	N91-16790
	10	p1522	N91-18380
	10	p1595	N91-18800
	11	p1773	N91-19719
	11	p1782	N91-19777
	11	p1782	N91-19778
	12	p1959	N91-20782
	14	p2341	N91-22947
	18	p3061	N91-26907
	19	p3238	N91-27906
	20	p3350	N91-28552
	20	p3391	N91-28792
	20	p3392	N91-28796
	20	p3392	N91-28798
	20	p3397	N91-28828
	20	p3398	N91-28834
	20	p3402	N91-28856
	20	p3404	N91-28869
	20	p3425	N91-28996
	21	p3503	N91-29441
	21	p3574	N91-29873
	24	p4096	N91-32883
	24	p4099	N91-32906
	24	p4100	N91-32910
DE-AC03-83ER-53150	20	p3421	N91-28970
DE-AC03-84OR-21400	11	p1800	N91-19881
DE-AC03-86SF-16298	01	p0064	N91-10383
DE-AC03-86SF-16518	20	p3367	N91-28652
DE-AC03-87DP-10560	05	p0721	N91-14026
	06	p0875	N91-14841
DE-AC03-87SF-16733	17	p2872	N91-25887
DE-AC03-87SF-17119	11	p1695	N91-19335
DE-AC03-87SF-17170	15	p2402	N91-23299
DE-AC03-89ER-51114	05	p0667	N91-13705
	05	p0667	N91-13706
	05	p0721	N91-14022
	05	p0721	N91-14023

	05	p0721	N91-14024
	05	p0721	N91-14025
	06	p0876	N91-14846
	06	p0877	N91-14847
	08	p1225	N91-16749
	08	p1226	N91-16752
	08	p1229	N91-16773
	09	p1401	N91-17710
	11	p1800	N91-19881
	12	p1983	N91-20913
	12	p1984	N91-20918
	12	p1984	N91-20919
	12	p1985	N91-20920
	13	p2156	N91-21887
	13	p2157	N91-21888
	17	p2867	N91-25859
	17	p2867	N91-25860
	17	p2869	N91-25872
	18	p3066	N91-26938
	18	p3066	N91-26939
	21	p3586	N91-29950
	21	p3588	N91-29957
	24	p4107	N91-32949
DE-AC03-89ER-52153	15	p2513	N91-23923
	17	p2867	N91-25858
	24	p4107	N91-32952
DE-AC03-89ER-53277	10	p1597	N91-18812
	11	p1804	N91-19908
	15	p2512	N91-23922
	20	p3421	N91-28973
DE-AC03-91SF-18852	17	p2863	N91-25833
DE-AC04-76DP-0353	02	p0217	N91-11213
DE-AC04-76DP-00613	01	p0031	N91-10184
	01	p0031	N91-10185
	01	p0109	N91-10632
	02	p0207	N91-11158
	02	p0255	N91-11420
	08	p1124	N91-16176
	08	p1149	N91-16326
	09	p1317	N91-17229
	10	p1519	N91-18366
	13	p2095	N91-21535
	14	p2327	N91-22856
	21	p3495	N91-29393
	21	p3529	N91-29606
	23	p3810	N91-31251
	23	p3811	N91-31257
	23	p3880	N91-31652
	23	p3880	N91-31653
	23	p3881	N91-31657
	23	p3909	N91-31819
	24	p3979	N91-32226
	24	p4026	N91-32500
DE-AC04-76DP-00780	02	p0226	N91-11263
DE-AC04-76DP-00789	01	p0022	N91-10132
	01	p0026	N91-10153
	01	p0026	N91-10154
	01	p0029	N91-10172
	01	p0031	N91-10183
	01	p0034	N91-10202
	01	p0037	N91-10218
	01	p0046	N91-10275
	01	p0056	N91-10329
	01	p0108	N91-10630
	01	p0111	N91-10648
	01	p0111	N91-10649
	01	p0118	N91-10696
	01	p0118	N91-10700
	01	p0120	N91-10713
	01	p0125	N91-10736
	01	p0125	N91-10737
	01	p0129	N91-10762
	01	p0129	N91-10765
	02	p0184	N91-11032
	02	p0184	N91-11033
	02	p0189	N91-11057
	02	p0190	N91-11064
	02	p0195	N91-11089
	02	p0198	N91-11110
	02	p0198	N91-11111
	02	p0202	N91-11131
	02	p0206	N91-11151
	02	p0206	N91-11153
	02	p0206	N91-11154
	02	p0206	N91-11155
	02	p0219	N91-11221
	02	p0219	N91-11222
	02	p0220	N91-11231
	02	p0221	N91-11235
	02	p0231	N91-11289
	02	p0231	N91-11290
	02	p0254	N91-11410
	02	p0270	N91-11516
	02	p0277	N91-11559
	02	p0277	N91-11560
	02	p0278	N91-11561
	02	p0278	N91-11562
	02	p0278	N91-11563
	02	p0280	N91-11573
	02	p0282	N91-11584
	03	p0359	N91-12013
	03	p0370	N91-12073
	04	p0488	N91-12711
	04	p0498	N91-12765
	04	p0502	N91-12790
	04	p0513	N91-12850
	04	p0518	N91-12879
	04	p0527	N91-12922
	04	p0529	N91-12936
	04	p0537	N91-12977
	04	p0543	N91-13014
	04	p0544	N91-13015
	04	p0544	N91-13016
	04	p0544	N91-13017
	04	p0571	N91-13172
	04	p0573	N91-13184
	04	p0585	N91-13266
	04	p0590	N91-13295
	04	p0590	N91-13296
	05	p0615	N91-13413
	05	p0616	N91-13419
	05	p0635	N91-13521
	05	p0651	N91-13617
	05	p0653	N91-13625
	05	p0672	N91-13736
	05	p0673	N91-13745
	05	p0679	N91-13773
	05	p0682	N91-13793
	05	p0683	N91-13795
	05	p0683	N91-13800
	05	p0684	N91-13806
	05	p0708	N91-13946
	05	p0713	N91-13977
	05	p0713	N91-13980
	05	p0715	N91-13990
	05	p0726	N91-14056
	06	p0779	N91-14319
	06	p0806	N91-14450
	06	p0807	N91-14458
	06	p0809	N91-14469
	06	p0810	N91-14473
	06	p0811	N91-14480
	06	p0813	N91-14493
	06	p0815	N91-14504
	06	p0819	N91-14524
	06	p0819	N91-14525
	06	p0820	N91-14531
	06	p0820	N91-14532
	06	p0820	N91-14533
	06	p0824	N91-14553
	06	p0825	N91-14561
	06	p0828	N91-14573
	06	p0832	N91-14598
	06	p0838	N91-14633
	06	p0841	N91-14645
	06	p0841	N91-14646
	06	p0842	N91-14649
	06	p0842	N91-14650
	06	p0842	N91-14651
	06	p0842	N91-14652
	06	p0844	N91-14661
	06	p0849	N91-14687
	06	p0876	N91-14844
	06	p0879	N91-14853
	06	p0879	N91-14854
	06	p0880	N91-14857
	06	p0882	N91-14875
	06	p0882	N91-14877
	07	p0945	N91-15179
	07	p0976	N91-15355
	07	p0979	N91-15371
	07	p0985	N91-15408
	07	p0985	N91-15409
	07	p0986	N91-15410
	07	p0994	N91-15457
	07	p0998	N91-15479
	07	p0998	N91-15480
	07	p0999	N91-15486
	07	p0999	N91-15487
	07	p1004	N91-15514
	07	p1012	N91-15555
	07	p1015	N91-15570
	07	p1061	N91-15838
	07	p1065	N91-15855
	07	p1068	N91-15878
	07	p1071	N91-15892
	07	p1077	N91-15927
	08	p1098	N91-16027
	08	p1098	N91-16028
	08	p1101	N91-16043
	08	p1101	N91-16044
	08	p1102	N91-16054
	08	p1107	N91-16079
	08	p1115	N91-16127
	08	p1118	N91-16144
	08	p1121	N91-16160
	08	p1121	N91-16161
	08	p1124	N91-16180
	08	p1130	N91-16217
	08	p1130	N91-16218
	08	p1131	N91-16219
	08	p1131	N91-16220
	08	p1131	N91-16221
	08	p1132	N91-16226
	08	p1133	N91-16232
	08	p1133	N91-16233
	08	p1134	N91-16240
	08	p1134	N91-16242
	08	p1138	N91-16264
	08	p1147	N91-16317
	08	p1149	N91-16325
	08	p1152	N91-16345
	08	p1157	N91-16371
	08	p1158	N91-16380
	08	p1161	N91-16394
	08	p1169	N91-16438
	08	p1175	N91-16468
	08	p1196	N91-16575
	08	p1197	N91-16579
	08	p1197	N91-16581
	08	p1209	N91-16647
	08	p1213	N91-16675
	08	p1213	N91-16676
	08	p1220	N91-16718
	08	p1226	N91-16753
	08	p1232	N91-16789
	08	p1233	N91-16795
	08	p1235	N91-16805
	08	p1236	N91-16812
	09	p1310	N91-17193
	09	p1319	N91-17243
	09	p1319	N91-17245
	09	p1330	N91-17306
	09	p1341	N91-17365
	09	p1342	N91-17373
	09	p1343	N91-17377
	09	p1356	N91-17446
	09	p1356	N91-17447
	09	p1356	N91-17448
	09	p1356	N91-17449
	09	p1356	N91-17450
	09	p1375	N91-17554
	09	p1375	N91-17556
	09	p1399	N91-17700
	09	p1399	N91-17704
	09	p1409	N91-17752
	09	p1413	N91-17779
	09	p1414	N91-17781
	09	p1415	N91-17790
	10	p1485	N91-18182
	10	p1495	N91-18231
	10	p1496	N91-18236
	10	p1500	N91-18254
	10	p1504	N91-18277
	10	p1505	N91-18285
	10	p1507	N91-18295
	10	p1518	N91-18357
	10	p1519	N91-18364
	10	p1520	N91-18367
	10	p1528	N91-18414
	10	p1532	N91-18438
	10	p1539	N91-18470
	10	p1540	N91-18475
	10	p1541	N91-18481
	10	p1544	N91-18497
	10	p1557	N91-18564
	10	p1558	N91-18565
	10	p1576	N91-18673
	10	p1592	N91-18778
	10	p1608	N91-18872
	10	p1609	N91-18877
	10	p1610	N91-18885
	10	p1613	N91-18901
	10	p1613	N91-18903
	11	p1643	N91-19064
	11	p1644	N91-19065
	11	p1652	N91-19103
	11	p1677	N91-19243
	11	p1682	N91-19269
	11	p1683	N91-19276
	11	p1686	N91-19291
	11	p1687	N91-19297
	11	p1688	N91-19303
	11	p1692	N91-19322
	11	p1694	N91-19330
	11	p1695	N91-19334
	11	p1697	N91-19344
	11	p1698	N91-19352

11	p1708	N91-19407
11	p1708	N91-19408
11	p1710	N91-19421
11	p1711	N91-19424
11	p1712	N91-19431
11	p1716	N91-19448
11	p1722	N91-19481
11	p1727	N91-19510
11	p1780	N91-19767
11	p1781	N91-19768
11	p1785	N91-19793
11	p1799	N91-19872
11	p1802	N91-19896
11	p1804	N91-19907
11	p1807	N91-19922
11	p1808	N91-19932
11	p1809	N91-19936
11	p1810	N91-19942
11	p1813	N91-19960
11	p1814	N91-19964
11	p1814	N91-19965
12	p1830	N91-20059
12	p1832	N91-20066
12	p1908	N91-20498
12	p1920	N91-20561
12	p1985	N91-20920
13	p2050	N91-21280
13	p2052	N91-21292
13	p2054	N91-21303
13	p2054	N91-21305
13	p2056	N91-21314
13	p2068	N91-21391
13	p2091	N91-21505
13	p2091	N91-21506
13	p2091	N91-21507
13	p2091	N91-21510
13	p2091	N91-21512
13	p2095	N91-21536
13	p2101	N91-21564
13	p2101	N91-21565
13	p2104	N91-21583
13	p2133	N91-21740
13	p2134	N91-21749
13	p2134	N91-21750
13	p2139	N91-21773
13	p2143	N91-21802
13	p2144	N91-21804
13	p2147	N91-21826
13	p2154	N91-21872
13	p2160	N91-21912
13	p2161	N91-21914
13	p2168	N91-21964
13	p2168	N91-21965
14	p2189	N91-22094
14	p2258	N91-22490
14	p2281	N91-22616
14	p2281	N91-22617
14	p2327	N91-22857
15	p2365	N91-23085
15	p2393	N91-23245
15	p2401	N91-23294
15	p2404	N91-23314
15	p2411	N91-23349
15	p2411	N91-23352
15	p2416	N91-23382
15	p2417	N91-23386
15	p2417	N91-23388
15	p2418	N91-23389
15	p2425	N91-23431
15	p2425	N91-23432
15	p2433	N91-23477
15	p2438	N91-23507
15	p2442	N91-23526
15	p2444	N91-23536
15	p2444	N91-23537
15	p2458	N91-23619
15	p2506	N91-23885
15	p2507	N91-23892
15	p2512	N91-23919
15	p2515	N91-23939
15	p2515	N91-23941
16	p2607	N91-24450
16	p2610	N91-24453
16	p2619	N91-24497
16	p2621	N91-24515
16	p2630	N91-24563
16	p2671	N91-24786
16	p2679	N91-24832
16	p2687	N91-24875
16	p2690	N91-24895
16	p2699	N91-24949
16	p2701	N91-24956
17	p2730	N91-25118
17	p2759	N91-25277
17	p2763	N91-25295
17	p2770	N91-25329
17	p2770	N91-25331
17	p2771	N91-25333
17	p2777	N91-25369
17	p2778	N91-25375
17	p2785	N91-25410
17	p2805	N91-25509
17	p2841	N91-25702
17	p2847	N91-25736
17	p2863	N91-25831
17	p2868	N91-25866
17	p2873	N91-25893
17	p2888	N91-25965
17	p2888	N91-25966
18	p2934	N91-26186
18	p2951	N91-26285
18	p2957	N91-26319
18	p2957	N91-26320
18	p2967	N91-26382
18	p2968	N91-26385
18	p2970	N91-26398
18	p2970	N91-26399
18	p2981	N91-26463
18	p2986	N91-26486
18	p2988	N91-26495
18	p3000	N91-26570
18	p3016	N91-26653
18	p3043	N91-26798
18	p3057	N91-26888
18	p3065	N91-26936
18	p3071	N91-26972
18	p3084	N91-27053
19	p3111	N91-27189
19	p3148	N91-27400
19	p3178	N91-27572
19	p3216	N91-27774
19	p3250	N91-27977
19	p3250	N91-27978
20	p3279	N91-28133
20	p3287	N91-28178
20	p3302	N91-28274
20	p3307	N91-28306
20	p3309	N91-28314
20	p3309	N91-28319
20	p3314	N91-28346
20	p3320	N91-28379
20	p3322	N91-28393
20	p3323	N91-28395
20	p3324	N91-28402
20	p3325	N91-28411
20	p3326	N91-28417
20	p3328	N91-28427
20	p3329	N91-28434
20	p3329	N91-28439
20	p3330	N91-28442
20	p3330	N91-28443
20	p3332	N91-28451
20	p3336	N91-28473
20	p3336	N91-28475
20	p3337	N91-28483
20	p3338	N91-28485
20	p3338	N91-28487
20	p3339	N91-28496
20	p3340	N91-28500
20	p3340	N91-28501
20	p3342	N91-28505
20	p3344	N91-28515
20	p3348	N91-28543
20	p3349	N91-28544
20	p3350	N91-28553
20	p3351	N91-28562
20	p3352	N91-28567
20	p3360	N91-28616
20	p3363	N91-28631
20	p3367	N91-28651
20	p3367	N91-28653
20	p3369	N91-28662
20	p3385	N91-28756
20	p3387	N91-28767
20	p3389	N91-28775
20	p3389	N91-28778
20	p3393	N91-28805
20	p3397	N91-28826
20	p3399	N91-28841
20	p3400	N91-28846
20	p3426	N91-29003
20	p3426	N91-29004
20	p3427	N91-29009
20	p3433	N91-29047
20	p3434	N91-29051
20	p3434	N91-29052
20	p3436	N91-29065
21	p3453	N91-29151
21	p3463	N91-29203
21	p3464	N91-29208
21	p3465	N91-29213
21	p3471	N91-29252
21	p3473	N91-29260
21	p3480	N91-29302
21	p3480	N91-29303
21	p3480	N91-29304
21	p3483	N91-29320
21	p3492	N91-29379
21	p3494	N91-29386
21	p3497	N91-29402
21	p3497	N91-29406
21	p3498	N91-29409
21	p3501	N91-29433
21	p3503	N91-29440
21	p3503	N91-29442
21	p3504	N91-29445
21	p3504	N91-29446
21	p3504	N91-29447
21	p3508	N91-29478
21	p3509	N91-29479
21	p3509	N91-29483
21	p3509	N91-29484
21	p3510	N91-29487
21	p3518	N91-29537
21	p3519	N91-29541
21	p3520	N91-29549
21	p3521	N91-29553
21	p3521	N91-29557
21	p3529	N91-29605
21	p3530	N91-29612
21	p3531	N91-29619
21	p3533	N91-29631
21	p3537	N91-29655
21	p3554	N91-29747
21	p3574	N91-29871
21	p3578	N91-29898
21	p3579	N91-29910
21	p3586	N91-29950
21	p3590	N91-29971
21	p3593	N91-29985
21	p3594	N91-29995
21	p3601	N91-30037
21	p3603	N91-30045
21	p3603	N91-30046
21	p3604	N91-30057
21	p3605	N91-30058
22	p3667	N91-30417
22	p3668	N91-30425
22	p3759	N91-30953
23	p3805	N91-31221
23	p3806	N91-31230
23	p3807	N91-31237
23	p3809	N91-31248
23	p3813	N91-31272
23	p3817	N91-31292
23	p3817	N91-31293
23	p3819	N91-31302
23	p3819	N91-31303
23	p3820	N91-31309
23	p3851	N91-31472
23	p3855	N91-31490
23	p3856	N91-31500
23	p3859	N91-31517
23	p3859	N91-31518
23	p3859	N91-31520
23	p3860	N91-31521
23	p3860	N91-31522
23	p3860	N91-31523
23	p3862	N91-31533
23	p3868	N91-31573
23	p3868	N91-31574
23	p3877	N91-31634
23	p3886	N91-31689
23	p3888	N91-31699
23	p3889	N91-31702
23	p3889	N91-31703
23	p3890	N91-31713
23	p3891	N91-31714
23	p3891	N91-31715
23	p3906	N91-31802
23	p3914	N91-31854
23	p3916	N91-31868
23	p3931	N91-31971
23	p3933	N91-31978
23	p3933	N91-31980
23	p3934	N91-31988
24	p3952	N91-32089
24	p3964	N91-32150
24	p3966	N91-32157
24	p3973	N91-32194
24	p3974	N91-32199
24	p3977	N91-32219
24	p3978	N91-32220
24	p3980	N91-32233
24	p3989	N91-32289
24	p4006	N91-32399
24	p4006	N91-32400
24	p4007	N91-32403

	24	p4007	N91-32406
	24	p4016	N91-32453
	24	p4024	N91-32490
	24	p4040	N91-32574
	24	p4088	N91-32843
	24	p4091	N91-32858
	24	p4100	N91-32906
	24	p4105	N91-32942
	24	p4106	N91-32944
	24	p4108	N91-32959
	24	p4109	N91-32962
	24	p4111	N91-32976
	24	p4111	N91-32977
	24	p4115	N91-33002
DE-AC04-76DP-03533	21	p3536	N91-29650
DE-AC04-76DR-00789	04	p0523	N91-12911
	04	p0532	N91-12951
	04	p0578	N91-13222
	07	p0936	N91-15129
	13	p2147	N91-21825
	17	p2867	N91-25859
	18	p3072	N91-26978
	20	p3360	N91-28612
	21	p3478	N91-29292
DE-AC04-76EV-01013	24	p4072	N91-32750
	24	p4075	N91-32770
DE-AC04-87AL-43058	04	p0502	N91-12786
	21	p3472	N91-29255
DE-AC04-88AL-54304	18	p2981	N91-26463
DE-AC04-88DP-43495	04	p0590	N91-13296
	06	p0808	N91-14460
	06	p0813	N91-14492
	06	p0836	N91-14622
	06	p0880	N91-14857
	07	p1056	N91-15801
	08	p1223	N91-16738
	08	p1235	N91-16808
	10	p1532	N91-18441
	11	p1684	N91-19281
	13	p2152	N91-21861
	15	p2397	N91-23274
	15	p2436	N91-23498
	20	p3323	N91-28395
	20	p3392	N91-28800
	21	p3493	N91-29382
DE-AC04-89AL-58181	19	p3185	N91-27612
DE-AC05-76OR-00033	02	p0212	N91-11187
	02	p0267	N91-11498
	11	p1795	N91-19847
	11	p1807	N91-19926
	12	p1975	N91-20867
	18	p2958	N91-26322
	20	p3314	N91-28344
	21	p3484	N91-29327
DE-AC05-80ER-10742	23	p3932	N91-31977
DE-AC05-84ER-40150	07	p0995	N91-15459
DE-AC05-84OR-21400	01	p0008	N91-10046
	01	p0021	N91-10125
	01	p0026	N91-10156
	01	p0028	N91-10167
	01	p0030	N91-10178
	01	p0030	N91-10181
	01	p0033	N91-10195
	01	p0038	N91-10224
	01	p0048	N91-10288
	01	p0048	N91-10289
	01	p0067	N91-10406
	01	p0068	N91-10408
	01	p0105	N91-10608
	01	p0112	N91-10653
	01	p0121	N91-10716
	01	p0125	N91-10737
	01	p0126	N91-10742
	01	p0128	N91-10758
	01	p0129	N91-10761
	01	p0131	N91-10772
	02	p0158	N91-10917
	02	p0191	N91-11069
	02	p0193	N91-11080
	02	p0194	N91-11084
	02	p0196	N91-11097
	02	p0197	N91-11103
	02	p0200	N91-11122
	02	p0200	N91-11123
	02	p0201	N91-11125
	02	p0212	N91-11185
	02	p0212	N91-11186
	02	p0213	N91-11188
	02	p0216	N91-11209
	02	p0219	N91-11224
	02	p0219	N91-11226
	02	p0234	N91-11308
	02	p0254	N91-11408
	02	p0257	N91-11431
	02	p0258	N91-11434
	02	p0262	N91-11467
	02	p0269	N91-11509
	02	p0271	N91-11520
	02	p0271	N91-11523
	02	p0273	N91-11536
	02	p0277	N91-11558
	02	p0279	N91-11567
	02	p0279	N91-11568
	02	p0279	N91-11569
	02	p0280	N91-11576
	02	p0285	N91-11603
	03	p0344	N91-11928
	03	p0358	N91-12007
	03	p0381	N91-12129
	03	p0397	N91-12205
	04	p0479	N91-12671
	04	p0496	N91-12752
	04	p0498	N91-12763
	04	p0498	N91-12764
	04	p0498	N91-12766
	04	p0502	N91-12789
	04	p0505	N91-12802
	04	p0505	N91-12805
	04	p0508	N91-12822
	04	p0508	N91-12823
	04	p0528	N91-12924
	04	p0529	N91-12935
	04	p0532	N91-12952
	04	p0565	N91-13134
	04	p0581	N91-13238
	04	p0581	N91-13240
	04	p0582	N91-13243
	04	p0584	N91-13261
	04	p0591	N91-13302
	05	p0632	N91-13498
	05	p0635	N91-13517
	05	p0641	N91-13555
	05	p0641	N91-13556
	05	p0644	N91-13572
	05	p0644	N91-13574
	05	p0645	N91-13578
	05	p0652	N91-13618
	05	p0662	N91-13681
	05	p0669	N91-13718
	05	p0677	N91-13763
	05	p0685	N91-13810
	05	p0685	N91-13812
	05	p0685	N91-13813
	05	p0693	N91-13858
	05	p0705	N91-13931
	05	p0708	N91-13946
	05	p0709	N91-13955
	05	p0710	N91-13959
	05	p0719	N91-14012
	05	p0720	N91-14017
	05	p0720	N91-14018
	05	p0720	N91-14019
	05	p0727	N91-14061
	05	p0729	N91-14072
	05	p0731	N91-14082
	06	p0804	N91-14436
	06	p0804	N91-14438
	06	p0808	N91-14459
	06	p0808	N91-14461
	06	p0809	N91-14467
	06	p0809	N91-14470
	06	p0814	N91-14498
	06	p0836	N91-14619
	06	p0836	N91-14623
	06	p0841	N91-14647
	06	p0843	N91-14658
	06	p0843	N91-14660
	06	p0844	N91-14663
	06	p0844	N91-14664
	06	p0849	N91-14688
	06	p0853	N91-14710
	06	p0870	N91-14810
	06	p0872	N91-14818
	06	p0875	N91-14839
	06	p0875	N91-14840
	06	p0876	N91-14845
	06	p0877	N91-14849
	06	p0880	N91-14860
	06	p0882	N91-14876
	07	p0946	N91-15186
	07	p0970	N91-15326
	07	p0975	N91-15350
	07	p0979	N91-15373
	07	p0980	N91-15379
	07	p0984	N91-15401
	07	p0998	N91-15481
	07	p0999	N91-15488
	07	p1005	N91-15516
	07	p1010	N91-15545
	07	p1011	N91-15551
	07	p1011	N91-15552
	07	p1011	N91-15553
	07	p1011	N91-15554
	07	p1013	N91-15561
	07	p1026	N91-15632
	07	p1027	N91-15636
	07	p1053	N91-15781
	07	p1056	N91-15803
	07	p1069	N91-15881
	07	p1070	N91-15884
	07	p1070	N91-15887
	07	p1070	N91-15888
	07	p1070	N91-15889
	07	p1071	N91-15890
	07	p1071	N91-15895
	07	p1072	N91-15896
	07	p1072	N91-15897
	07	p1083	N91-15957
	08	p1110	N91-16094
	08	p1110	N91-16095
	08	p1110	N91-16096
	08	p1113	N91-16116
	08	p1113	N91-16117
	08	p1115	N91-16126
	08	p1118	N91-16143
	08	p1118	N91-16145
	08	p1119	N91-16148
	08	p1123	N91-16175
	08	p1137	N91-16257
	08	p1148	N91-16320
	08	p1156	N91-16368
	08	p1156	N91-16369
	08	p1157	N91-16372
	08	p1158	N91-16376
	08	p1158	N91-16378
	08	p1158	N91-16379
	08	p1159	N91-16385
	08	p1161	N91-16397
	08	p1162	N91-16399
	08	p1171	N91-16449
	08	p1172	N91-16451
	08	p1172	N91-16452
	08	p1172	N91-16454
	08	p1174	N91-16463
	08	p1174	N91-16465
	08	p1210	N91-16659
	08	p1220	N91-16719
	08	p1220	N91-16721
	08	p1226	N91-16756
	08	p1229	N91-16774
	08	p1231	N91-16788
	08	p1235	N91-16806
	08	p1236	N91-16811
	08	p1236	N91-16814
	08	p1240	N91-16835
	09	p1293	N91-17107
	09	p1306	N91-17167
	09	p1310	N91-17191
	09	p1315	N91-17218
	09	p1315	N91-17219
	09	p1316	N91-17221
	09	p1316	N91-17222
	09	p1316	N91-17224
	09	p1317	N91-17232
	09	p1318	N91-17240
	09	p1319	N91-17242
	09	p1319	N91-17244
	09	p1325	N91-17275
	09	p1344	N91-17383
	09	p1344	N91-17384
	09	p1348	N91-17405
	09	p1355	N91-17445
	09	p1360	N91-17475
	09	p1360	N91-17476
	09	p1361	N91-17482
	09	p1374	N91-17550
	09	p1388	N91-17632
	09	p1388	N91-17637
	09	p1393	N91-17667
	09	p1394	N91-17672
	09	p1400	N91-17706
	09	p1400	N91-17707
	09	p1406	N91-17740
	09	p1407	N91-17745
	09	p1415	N91-17791
	10	p1461	N91-18060
	10	p1487	N91-18195
	10	p1498	N91-18246
	10	p1499	N91-18251
	10	p1501	N91-18262
	10	p1502	N91-18265
	10	p1502	N91-18268
	10	p1507	N91-18292
	10	p1515	N91-18344
	10	p1521	N91-18379
	10	p1526	N91-18405
	10	p1532	N91-18442
	10	p1539	N91-18471

10	p1539	N91-18472
10	p1541	N91-18482
10	p1542	N91-18487
10	p1543	N91-18492
10	p1544	N91-18496
10	p1545	N91-18502
10	p1575	N91-18667
10	p1592	N91-18779
10	p1598	N91-18816
10	p1599	N91-18822
10	p1602	N91-18835
10	p1604	N91-18848
10	p1604	N91-18851
10	p1605	N91-18856
10	p1606	N91-18862
10	p1606	N91-18863
10	p1607	N91-18869
10	p1614	N91-18905
11	p1652	N91-19104
11	p1676	N91-19239
11	p1676	N91-19240
11	p1679	N91-19255
11	p1680	N91-19258
11	p1682	N91-19270
11	p1684	N91-19279
11	p1684	N91-19280
11	p1685	N91-19283
11	p1688	N91-19300
11	p1689	N91-19310
11	p1708	N91-19406
11	p1715	N91-19444
11	p1716	N91-19445
11	p1716	N91-19446
11	p1716	N91-19447
11	p1716	N91-19451
11	p1719	N91-19465
11	p1726	N91-19506
11	p1733	N91-19533
11	p1734	N91-19535
11	p1734	N91-19539
11	p1736	N91-19544
11	p1777	N91-19749
11	p1779	N91-19757
11	p1781	N91-19769
11	p1783	N91-19779
11	p1784	N91-19784
11	p1784	N91-19785
11	p1785	N91-19795
11	p1795	N91-19847
11	p1803	N91-19901
11	p1803	N91-19902
11	p1807	N91-19925
11	p1807	N91-19926
11	p1809	N91-19937
11	p1812	N91-19950
11	p1814	N91-19961
12	p1975	N91-20867
12	p1985	N91-20920
13	p2047	N91-21265
13	p2050	N91-21278
13	p2052	N91-21289
13	p2054	N91-21304
13	p2064	N91-21363
13	p2064	N91-21364
13	p2070	N91-21402
13	p2113	N91-21634
13	p2114	N91-21637
13	p2134	N91-21751
13	p2139	N91-21774
13	p2144	N91-21805
13	p2156	N91-21882
13	p2156	N91-21883
13	p2156	N91-21884
13	p2156	N91-21885
13	p2156	N91-21886
13	p2158	N91-21897
14	p2251	N91-22456
14	p2251	N91-22457
14	p2260	N91-22505
14	p2326	N91-22850
15	p2400	N91-23292
15	p2401	N91-23295
15	p2401	N91-23298
15	p2404	N91-23310
15	p2405	N91-23316
15	p2405	N91-23318
15	p2411	N91-23353
15	p2416	N91-23381
15	p2438	N91-23505
15	p2438	N91-23508
15	p2438	N91-23509
15	p2439	N91-23511
15	p2444	N91-23535
15	p2444	N91-23539
15	p2445	N91-23544
15	p2445	N91-23545
15	p2459	N91-23625
15	p2482	N91-23735
15	p2489	N91-23785
15	p2493	N91-23805
15	p2502	N91-23857
15	p2502	N91-23859
15	p2503	N91-23864
15	p2504	N91-23873
15	p2506	N91-23883
15	p2507	N91-23893
15	p2511	N91-23913
15	p2511	N91-23914
15	p2511	N91-23915
15	p2511	N91-23916
15	p2512	N91-23917
15	p2534	N91-24036
16	p2601	N91-24416
16	p2602	N91-24420
16	p2611	N91-24459
16	p2621	N91-24516
16	p2626	N91-24539
16	p2636	N91-24591
16	p2636	N91-24592
16	p2653	N91-24681
16	p2655	N91-24693
16	p2687	N91-24876
16	p2699	N91-24950
17	p2736	N91-25150
17	p2747	N91-25197
17	p2758	N91-25270
17	p2759	N91-25274
17	p2760	N91-25279
17	p2762	N91-25289
17	p2777	N91-25370
17	p2780	N91-25386
17	p2784	N91-25406
17	p2784	N91-25407
17	p2805	N91-25504
17	p2805	N91-25505
17	p2817	N91-25567
17	p2822	N91-25593
17	p2822	N91-25594
17	p2836	N91-25677
17	p2862	N91-25828
17	p2864	N91-25838
17	p2866	N91-25856
17	p2867	N91-25859
17	p2867	N91-25860
17	p2868	N91-25867
17	p2871	N91-25880
17	p2871	N91-25881
17	p2871	N91-25883
17	p2873	N91-25892
18	p2944	N91-26240
18	p2944	N91-26242
18	p2953	N91-26293
18	p2956	N91-26314
18	p2956	N91-26316
18	p2957	N91-26317
18	p2957	N91-26321
18	p2958	N91-26322
18	p2958	N91-26323
18	p2958	N91-26325
18	p2967	N91-26380
18	p2967	N91-26383
18	p2968	N91-26384
18	p2992	N91-26524
18	p3001	N91-26572
18	p3016	N91-26656
18	p3021	N91-26680
18	p3052	N91-26854
18	p3061	N91-26908
18	p3061	N91-26909
18	p3061	N91-26911
18	p3073	N91-26982
18	p3073	N91-26983
18	p3082	N91-27043
19	p3117	N91-27222
19	p3136	N91-27325
19	p3186	N91-27617
20	p3290	N91-28188
20	p3303	N91-28283
20	p3308	N91-28309
20	p3308	N91-28310
20	p3308	N91-28311
20	p3314	N91-28344
20	p3315	N91-28348
20	p3315	N91-28349
20	p3315	N91-28350
20	p3315	N91-28352
20	p3316	N91-28358
20	p3317	N91-28359
20	p3317	N91-28360
20	p3318	N91-28367
20	p3319	N91-28371
20	p3320	N91-28378
20	p3320	N91-28381
20	p3321	N91-28382
20	p3322	N91-28390
20	p3323	N91-28397
20	p3324	N91-28405
20	p3324	N91-28406
20	p3325	N91-28413
20	p3326	N91-28418
20	p3329	N91-28438
20	p3334	N91-28463
20	p3337	N91-28481
20	p3338	N91-28484
20	p3339	N91-28493
20	p3343	N91-28512
20	p3349	N91-28550
20	p3350	N91-28554
20	p3350	N91-28555
20	p3353	N91-28570
20	p3353	N91-28574
20	p3357	N91-28594
20	p3358	N91-28601
20	p3359	N91-28607
20	p3360	N91-28611
20	p3360	N91-28614
20	p3360	N91-28615
20	p3361	N91-28619
20	p3362	N91-28623
20	p3368	N91-28655
20	p3371	N91-28674
20	p3379	N91-28718
20	p3379	N91-28719
20	p3382	N91-28738
20	p3383	N91-28741
20	p3385	N91-28751
20	p3385	N91-28753
20	p3385	N91-28755
20	p3387	N91-28766
20	p3389	N91-28780
20	p3390	N91-28783
20	p3390	N91-28784
20	p3392	N91-28797
20	p3394	N91-28814
20	p3397	N91-28829
20	p3398	N91-28832
20	p3398	N91-28835
20	p3399	N91-28836
20	p3399	N91-28837
20	p3399	N91-28840
20	p3400	N91-28847
20	p3401	N91-28850
20	p3401	N91-28851
20	p3401	N91-28852
20	p3417	N91-28946
20	p3417	N91-28947
20	p3419	N91-28959
20	p3421	N91-28969
20	p3426	N91-29000
20	p3426	N91-29005
20	p3428	N91-29014
20	p3428	N91-29016
20	p3433	N91-29044
21	p3479	N91-29296
21	p3480	N91-29301
21	p3480	N91-29305
21	p3481	N91-29307
21	p3483	N91-29321
21	p3483	N91-29324
21	p3483	N91-29325
21	p3484	N91-29327
21	p3491	N91-29370
21	p3491	N91-29373
21	p3491	N91-29374
21	p3492	N91-29380
21	p3497	N91-29401
21	p3509	N91-29481
21	p3518	N91-29536
21	p3526	N91-29585
21	p3537	N91-29653
21	p3539	N91-29664
21	p3542	N91-29682
21	p3561	N91-29793
21	p3562	N91-29796
21	p3564	N91-29810
21	p3565	N91-29815
21	p3573	N91-29864
21	p3579	N91-29909
21	p3585	N91-29942
21	p3586	N91-29950
21	p3589	N91-29963
21	p3591	N91-29975
21	p3594	N91-29993
21	p3594	N91-29994
21	p3601	N91-30036
22	p3643	N91-30272
22	p3649	N91-30310
22	p3651	N91-30317

	22	p3654	N91-30340
	22	p3743	N91-30854
	22	p3753	N91-30920
	23	p3799	N91-31190
	23	p3807	N91-31238
	23	p3808	N91-31240
	23	p3814	N91-31277
	23	p3815	N91-31280
	23	p3816	N91-31286
	23	p3817	N91-31291
	23	p3819	N91-31301
	23	p3820	N91-31308
	23	p3862	N91-31532
	23	p3880	N91-31649
	23	p3880	N91-31650
	23	p3880	N91-31651
	23	p3914	N91-31855
	23	p3916	N91-31870
	23	p3925	N91-31931
	23	p3931	N91-31969
	23	p3931	N91-31970
	24	p3970	N91-32179
	24	p3976	N91-32209
	24	p3976	N91-32214
	24	p3978	N91-32220
	24	p3978	N91-32222
	24	p3979	N91-32228
	24	p3981	N91-32239
	24	p3989	N91-32285
	24	p4009	N91-32418
	24	p4009	N91-32419
	24	p4016	N91-32456
	24	p4051	N91-32629
	24	p4070	N91-32741
	24	p4077	N91-32774
	24	p4087	N91-32834
	24	p4088	N91-32842
	24	p4093	N91-32867
	24	p4093	N91-32869
	24	p4093	N91-32870
	24	p4095	N91-32881
	24	p4096	N91-32884
	24	p4097	N91-32891
	24	p4098	N91-32899
	24	p4099	N91-32902
	24	p4099	N91-32903
	24	p4107	N91-32950
	24	p4108	N91-32960
	24	p4110	N91-32971
	24	p4113	N91-32991
DE-AC05-84OS-21400	01	p0029	N91-10175
	01	p0056	N91-10330
	02	p0216	N91-11204
	07	p0982	N91-15392
	07	p1013	N91-15562
	16	p2601	N91-24415
	17	p2757	N91-25261
	24	p4029	N91-32513
DE-AC05-84OT-21400	01	p0024	N91-10145
	05	p0645	N91-13577
	06	p0807	N91-14457
	07	p1077	N91-15924
	07	p1077	N91-15925
	15	p2523	N91-23985
	15	p2524	N91-23987
	19	p3186	N91-27618
	20	p3316	N91-28355
	23	p3818	N91-31300
DE-AC05-85ER-40216	09	p1338	N91-17347
	09	p1398	N91-17694
	10	p1594	N91-18795
DE-AC05-87ER-80508	09	p1408	N91-17750
DE-AC05-89ER-53284	17	p2867	N91-25857
DE-AC06-76RL-01830	01	p0017	N91-10104
	01	p0024	N91-10143
	01	p0027	N91-10160
	01	p0028	N91-10166
	01	p0029	N91-10173
	01	p0030	N91-10179
	01	p0030	N91-10180
	01	p0049	N91-10295
	01	p0065	N91-10388
	01	p0073	N91-10440
	01	p0093	N91-10541
	01	p0093	N91-10542
	01	p0098	N91-10573
	01	p0101	N91-10592
	01	p0102	N91-10593
	01	p0109	N91-10631
	01	p0129	N91-10766
	01	p0132	N91-10778
	02	p0193	N91-11079
	02	p0213	N91-11191
	02	p0221	N91-11236
	02	p0233	N91-11301
	02	p0284	N91-11600
	03	p0401	N91-12233
	03	p0424	N91-12372
	04	p0533	N91-12960
	06	p0809	N91-14470
	06	p0841	N91-14648
	06	p0843	N91-14656
	06	p0883	N91-14879
	07	p0966	N91-15304
	07	p0970	N91-15325
	07	p0981	N91-15382
	07	p0981	N91-15385
	07	p0981	N91-15386
	07	p0981	N91-15387
	07	p0982	N91-15388
	07	p1026	N91-15633
	07	p1027	N91-15639
	07	p1031	N91-15659
	07	p1032	N91-15664
	07	p1033	N91-15668
	07	p1034	N91-15672
	07	p1049	N91-15761
	07	p1065	N91-15858
	08	p1161	N91-16393
	08	p1171	N91-16445
	09	p1311	N91-17197
	09	p1312	N91-17204
	09	p1318	N91-17239
	09	p1348	N91-17406
	09	p1361	N91-17480
	09	p1361	N91-17481
	09	p1371	N91-17537
	10	p1483	N91-18176
	10	p1484	N91-18177
	10	p1494	N91-18226
	10	p1497	N91-18239
	10	p1497	N91-18242
	10	p1500	N91-18255
	10	p1503	N91-18270
	10	p1505	N91-18281
	10	p1505	N91-18282
	10	p1521	N91-18379
	10	p1537	N91-18459
	10	p1542	N91-18486
	10	p1562	N91-18594
	10	p1591	N91-18775
	10	p1592	N91-18776
	10	p1594	N91-18792
	10	p1595	N91-18799
	10	p1606	N91-18859
	10	p1611	N91-18889
	11	p1682	N91-19271
	11	p1684	N91-19282
	11	p1686	N91-19290
	11	p1701	N91-19368
	11	p1708	N91-19409
	11	p1764	N91-19704
	11	p1776	N91-19738
	11	p1778	N91-19751
	12	p1992	N91-20968
	13	p2045	N91-21251
	13	p2048	N91-21267
	13	p2055	N91-21310
	13	p2055	N91-21311
	13	p2056	N91-21313
	15	p2404	N91-23313
	16	p2602	N91-24419
	16	p2652	N91-24679
	16	p2662	N91-24727
	16	p2671	N91-24785
	16	p2700	N91-24955
	17	p2759	N91-25272
	17	p2760	N91-25282
	17	p2807	N91-25518
	17	p2808	N91-25525
	17	p2808	N91-25526
	18	p2998	N91-26555
	19	p3186	N91-27616
	20	p3302	N91-28276
	20	p3309	N91-28317
	20	p3316	N91-28354
	20	p3317	N91-28364
	20	p3323	N91-28400
	20	p3325	N91-28412
	20	p3328	N91-28431
	20	p3328	N91-28432
	20	p3330	N91-28441
	20	p3356	N91-28591
	20	p3358	N91-28600
	20	p3363	N91-28630
	20	p3367	N91-28654
	20	p3369	N91-28664
	20	p3370	N91-28669
	20	p3370	N91-28671
	20	p3378	N91-28715
	20	p3384	N91-28749
	20	p3425	N91-28999
	20	p3427	N91-29012
	20	p3438	N91-29074
	20	p3438	N91-29078
	20	p3440	N91-29092
	21	p3473	N91-29261
	21	p3474	N91-29265
	21	p3479	N91-29295
	21	p3492	N91-29376
	21	p3492	N91-29377
	21	p3536	N91-29644
	21	p3540	N91-29666
	21	p3540	N91-29667
	21	p3540	N91-29668
	21	p3545	N91-29695
	21	p3547	N91-29709
	21	p3564	N91-29809
	21	p3577	N91-29893
	21	p3578	N91-29902
	21	p3599	N91-30027
	23	p3809	N91-31247
	23	p3891	N91-31716
	24	p3968	N91-32168
	24	p3968	N91-32169
	24	p3976	N91-32212
	24	p4007	N91-32408
	24	p4040	N91-32576
	24	p4041	N91-32577
	24	p4073	N91-32756
DE-AC06-76RL-01831	24	p3976	N91-32212
DE-AC06-76RL-01833	10	p1502	N91-18269
DE-AC06-83ER-40128	15	p2433	N91-23476
DE-AC06-86NE-37963	02	p0195	N91-11092
	21	p3483	N91-29319
	23	p3816	N91-31290
DE-AC06-87RL-10930	01	p0050	N91-10296
	06	p0809	N91-14468
	09	p1398	N91-17693
	15	p2444	N91-23540
	15	p2445	N91-23541
	15	p2445	N91-23543
	15	p2446	N91-23546
	17	p2791	N91-25441
	21	p3572	N91-29861
	24	p4113	N91-32990
DE-AC07-76ID-01570	02	p0201	N91-11128
	02	p0207	N91-11157
	02	p0213	N91-11189
	05	p0659	N91-13661
	05	p0660	N91-13670
	05	p0666	N91-13703
	05	p0673	N91-13744
	05	p0683	N91-13798
	05	p0683	N91-13799
	05	p0688	N91-13826
	05	p0697	N91-13880
	05	p0702	N91-13909
	05	p0702	N91-13912
	05	p0705	N91-13932
	05	p0711	N91-13970
	05	p0714	N91-13986
	05	p0714	N91-13987
	05	p0716	N91-13994
	05	p0719	N91-14013
	06	p0802	N91-14427
	07	p0965	N91-15302
	07	p1002	N91-15501
	07	p1035	N91-15679
	08	p1105	N91-16066
	08	p1131	N91-16223
	08	p1132	N91-16225
	08	p1132	N91-16227
	08	p1147	N91-16319
	08	p1158	N91-16377
	08	p1161	N91-16395
	08	p1174	N91-16461
	08	p1196	N91-16574
	08	p1223	N91-16739
	09	p1286	N91-17072
	09	p1315	N91-17218
	09	p1330	N91-17305
	09	p1330	N91-17307
	09	p1373	N91-17546
	09	p1400	N91-17706
	09	p1407	N91-17741
	09	p1407	N91-17742
	09	p1407	N91-17743
	10	p1487	N91-18196
	10	p1491	N91-18210
	10	p1491	N91-18211
	10	p1513	N91-18330
	10	p1518	N91-18358
	10	p1518	N91-18359
	10	p1518	N91-18360
	10	p1524	N91-18393
	10	p1531	N91-18437
	10	p1532	N91-18439

	10	p1544	N91-18499
	10	p1595	N91-18798
	10	p1602	N91-18834
	11	p1697	N91-19346
	11	p1716	N91-19450
	14	p2316	N91-22791
	15	p2405	N91-23317
	15	p2422	N91-23415
	15	p2439	N91-23510
	15	p2468	N91-23674
	15	p2482	N91-23736
	15	p2506	N91-23884
	16	p2622	N91-24518
	16	p2633	N91-24574
	16	p2652	N91-24675
	17	p2741	N91-25170
	17	p2759	N91-25271
	17	p2786	N91-25417
	17	p2804	N91-25503
	18	p2958	N91-26326
	19	p3225	N91-27826
	19	p3247	N91-27959
	20	p3289	N91-28187
	20	p3303	N91-28279
	20	p3303	N91-28282
	20	p3316	N91-28356
	20	p3317	N91-28362
	20	p3320	N91-28380
	20	p3329	N91-28437
	20	p3339	N91-28491
	20	p3343	N91-28510
	20	p3353	N91-28575
	20	p3357	N91-28595
	20	p3381	N91-28732
	20	p3384	N91-28750
	20	p3387	N91-28764
	20	p3392	N91-28795
	20	p3418	N91-28951
	20	p3436	N91-29068
	20	p3438	N91-29077
	21	p3453	N91-29152
	21	p3479	N91-29299
	21	p3484	N91-29328
	23	p3805	N91-31223
	24	p3977	N91-32218
DE-AC07-84ID-12435	05	p0669	N91-13719
	12	p1902	N91-20463
DE-AC07-84ID-12536	05	p0631	N91-13497
DE-AC07-85ID-12597	09	p1306	N91-17164
DE-AC07-87ID-12689	21	p3502	N91-29436
DE-AC07-88ID-12692	07	p0985	N91-15407
	21	p3490	N91-29369
DE-AC07-88ID-12735	10	p1504	N91-18279
	11	p1687	N91-19298
	21	p3485	N91-29335
DE-AC07-90ID-12916	19	p3154	N91-27438
DE-AC08-88NV-10617	08	p1148	N91-16321
	08	p1175	N91-16471
	08	p1180	N91-16498
	09	p1389	N91-17639
	15	p2460	N91-23631
	15	p2508	N91-23894
	17	p2767	N91-25315
	17	p2781	N91-25391
	17	p2887	N91-25964
	20	p3286	N91-28170
	20	p3349	N91-28549
	20	p3429	N91-29022
	20	p3433	N91-29048
	23	p3931	N91-31966
	24	p4007	N91-32405
	24	p4007	N91-32407
	24	p4021	N91-32475
	24	p4112	N91-32983
DE-AC08-89NV-10630	10	p1614	N91-18906
DE-AC08-90NV-10845	17	p2801	N91-25501
DE-AC09-76SR-00001	04	p0545	N91-13024
DE-AC09-89SR-18030	10	p1500	N91-18256
DE-AC09-89SR-18035	05	p0658	N91-13655
	05	p0679	N91-13774
	05	p0731	N91-14084
	07	p0979	N91-15372
	07	p0980	N91-15381
	07	p1013	N91-15563
	07	p1050	N91-15762
	09	p1314	N91-17215
	09	p1316	N91-17226
	09	p1353	N91-17431
	10	p1567	N91-18614
	11	p1684	N91-19277
	11	p1707	N91-19399
	11	p1722	N91-19483
	11	p1773	N91-19720
	16	p2708	N91-24988
DE-AC12-76SN-00052	15	p2504	N91-23867
	16	p2602	N91-24418
DE-AC21-86MC-23265	09	p1311	N91-17194
DE-AC21-87MC-23270	02	p0232	N91-11298
	11	p1726	N91-19505
	14	p2281	N91-22618
DE-AC21-88MC-24218	18	p3071	N91-26970
DE-AC21-88MC-24221	20	p3368	N91-28657
	20	p3368	N91-28659
DE-AC21-88MC-25035	16	p2636	N91-24595
DE-AC21-88MC-25166	22	p3700	N91-30602
DE-AC21-88MC-25170	08	p1170	N91-16442
DE-AC21-89MC-25159	20	p3405	N91-28875
DE-AC21-89MC-26367	09	p1320	N91-17247
DE-AC22-84PC-70507	02	p0274	N91-11539
DE-AC22-84PC-70512	10	p1609	N91-18882
	14	p2322	N91-22827
DE-AC22-86PC-90013	04	p0511	N91-12843
DE-AC22-87PC-79676	10	p1516	N91-18348
DE-AC22-87PC-79678	10	p1601	N91-18830
DE-AC22-87PC-79680	11	p1697	N91-19347
DE-AC22-87PC-79817	09	p1320	N91-17249
	10	p1506	N91-18290
	11	p1678	N91-19251
	11	p1690	N91-19313
	11	p1691	N91-19318
DE-AC22-87PC-90016	03	p0347	N91-11939
DE-AC22-87PC-90274	02	p0274	N91-11542
	15	p2511	N91-23911
DE-AC22-88PC-88827	01	p0032	N91-10188
DE-AC22-88PC-88850	22	p3677	N91-30471
DE-AC22-88PC-88867	23	p3811	N91-31260
DE-AC22-88PC-88947	15	p2409	N91-23339
DE-AC22-88PC-88948	24	p4016	N91-32454
DE-AC22-88PC-88949	18	p2982	N91-26467
DE-AC22-88PC-88951	18	p2982	N91-26468
	19	p3136	N91-27326
DE-AC22-89PC-89866	04	p0511	N91-12840
	04	p0511	N91-12842
DE-AC22-89PC-89877	23	p3811	N91-31261
DE-AC22-90PC-90044	13	p2058	N91-21325
	24	p3973	N91-32193
DE-AC34-90DP-6234	04	p0532	N91-12953
DE-AC34-90DP-62349	05	p0671	N91-13727
	05	p0676	N91-13757
	16	p2671	N91-24786
	17	p2888	N91-25967
	20	p3332	N91-28452
	20	p3332	N91-28453
	21	p3474	N91-29267
DE-AC35-89ER-40486	23	p3908	N91-31817
	24	p4093	N91-32868
DE-AI01-76ET-20320	01	p0022	N91-10127
	08	p1213	N91-16679
	13	p2112	N91-21625
DE-AI01-79EV-10220	17	p2807	N91-25519
DE-AI01-85CE-50111	08	p1097	N91-16021
DE-AI01-85CE-50112	05	p0684	N91-13804
DE-AI01-85CE-50162	07	p0969	N91-15318
	13	p2054	N91-21302
DE-AI01-85CE-89008	11	p1699	N91-19355
	22	p3699	N91-30597
DE-AI01-86CE-90237	08	p1107	N91-16078
	13	p2047	N91-21264
DE-AI01-87ER-13656	24	p4098	N91-32897
DE-AI01-88NE-32140	10	p1489	N91-18207
DE-AI02-89CE-90023	18	p2968	N91-26386
DE-AI03-86SF-16310	08	p1115	N91-16128
	21	p3479	N91-29298
DE-AI04-85AL-33408	22	p3770	N91-31023
DE-AI05-83ER-40017	18	p2989	N91-26503
	21	p3588	N91-29961
DE-AI05-84OR-21411	08	p1106	N91-16073
DE-AI05-89ER-13992	20	p3309	N91-28316
DE-AI05-870R-21749	15	p2404	N91-23311
DE-AI08-78ET-44802	03	p0401	N91-12230
	06	p0847	N91-14676
	06	p0858	N91-14737
	08	p1175	N91-16470
	20	p3366	N91-28645
	23	p3936	N91-31998
DE-AI09-80ET-47927	24	p3978	N91-32225
DE-AM06-76RL-02225	07	p0981	N91-15386
DE-AM79-86BP-63056	20	p3331	N91-28445
DE-AS03-76ER-70285	14	p2324	N91-22836
DE-AS03-83ER-40120	20	p3422	N91-28976
DE-AS04-85AL-31881	21	p3493	N91-29381
DE-AS05-76ER-03065	18	p3062	N91-26912
	23	p3926	N91-31939
DE-AS05-76ER-03956	05	p0713	N91-13979
DE-AS05-76ER-04936	10	p1593	N91-18789
	24	p4095	N91-32877
DE-AS05-77ER-05490	01	p0114	N91-10665
	01	p0120	N91-10708
	02	p0280	N91-11574
DE-AS05-80ER-10666	08	p1222	N91-16734
DE-AS05-80ER-10713	05	p0728	N91-14067
DE-AS05-80ER-10742	01	p0027	N91-10159
DE-AS05-81ER-40032	08	p1222	N91-16733
	08	p1225	N91-16747
DE-AS05-81ER-40039	05	p0715	N91-13989
	06	p0830	N91-14585
DE-AS06-88ER-40423	05	p0726	N91-14057
	09	p1395	N91-17679
	14	p2338	N91-22925
	14	p2347	N91-22983
DE-AS07-86ID-12626	20	p3323	N91-28398
DE-AS08-87NV-10652	21	p3585	N91-29941
DE-AT01-76ET-10813	14	p2322	N91-22827
DE-AT03-87ER-40327	14	p2324	N91-22836
DE-AT03-88ER-40384	14	p2324	N91-22836
DE-AT03-89ER-40492	14	p2324	N91-22836
DE-A103-86SF-16310	06	p0807	N91-14454
DE-BI79-85BP-24332	15	p2417	N91-23387
DE-FC03-85DP-40200	06	p0832	N91-14597
	10	p1528	N91-18412
	12	p1974	N91-20862
	21	p3521	N91-29556
DE-FC05-85ER-25000	03	p0445	N91-12487
DE-FC06-87CH-10343	20	p3436	N91-29069
DE-FC07-84ID-12545	06	p0816	N91-14505
DE-FC07-88ID-12691	17	p2864	N91-25838
DE-FC07-89ID-12848	18	p2956	N91-26315
DE-FC07-89ID-12869	06	p0815	N91-14503
DE-FC07-89ID-12882	22	p3749	N91-30899
DE-FC21-87MC-24207	01	p0132	N91-10781
	02	p0214	N91-11194
DE-FC22-83FE-60149	01	p0134	N91-10791
	12	p1877	N91-20315
DE-FC22-88PC-88861	09	p1305	N91-17160
DE-FC79-82BP-34623	10	p1519	N91-18363
DE-FG01-86CE-15256	08	p1137	N91-16256
DE-FG01-87CE-15308	16	p2612	N91-24461
DE-FG01-87CE-15345	04	p0533	N91-12957
DE-FG01-87CE-27462	11	p1727	N91-19511
DE-FG01-88CE-15401	01	p0045	N91-10269
	08	p1147	N91-16318
	10	p1527	N91-18409
DE-FG01-89CE-15453	16	p2630	N91-24562
DE-FG01-89CE-34025	04	p0552	N91-13062
DE-FG01-89IE-10763	15	p2459	N91-23627
DE-FG01-90CE-15440	11	p1726	N91-19504
	21	p3517	N91-29529
	22	p3675	N91-30464
DE-FG01-90CE-15459	24	p3980	N91-32235
DE-FG01-90CE-15470	22	p3688	N91-30535
DE-FG01-90FE-62072	10	p1556	N91-18554
DE-FG02-78IR-05106	22	p3684	N91-30514
DE-FG02-84ER-13183	20	p3311	N91-28331
DE-FG02-84ER-13224	10	p1496	N91-18232
DE-FG02-84ER-13235	07	p1067	N91-15872
DE-FG02-84ER-13247	06	p0880	N91-14858
DE-FG02-84ER-13282	17	p2757	N91-25259
DE-FG02-84ER-13288	10	p1495	N91-18229
DE-FG02-84ER-13291	15	p2423	N91-23425
DE-FG02-84ER-40153	15	p2504	N91-23872
DE-FG02-84ER-45057	06	p0869	N91-14804
DE-FG02-84ER-45058	23	p3879	N91-31641
DE-FG02-84ER-45097	18	p2952	N91-26290
DE-FG02-84ER-45100	07	p0975	N91-15353
DE-FG02-84ER-45130	05	p0727	N91-14062
DE-FG02-84ER-45131	04	p0502	N91-12788
	21	p3512	N91-29504
DE-FG02-84ER-45141	04	p0537	N91-12979
DE-FG02-84ER-45147	21	p3599	N91-30024
DE-FG02-84ER-45150	11	p1810	N91-19940
DE-FG02-84ER-45153	06	p0880	N91-14859
DE-FG02-84ER-45166	11	p1722	N91-19484
DE-FG02-84ER-45167	05	p0642	N91-13563
DE-FG02-84ER-45170	04	p0506	N91-12810
	10	p1504	N91-18275
DE-FG02-84ER-53175	02	p0275	N91-11549
	21	p3585	N91-29943
DE-FG02-84ER-60242	09	p1360	N91-17474
DE-FG02-85ER-13331	10	p1507	N91-18296
DE-FG02-85ER-13370	08	p1108	N91-16086
DE-FG02-85ER-13388	20	p3380	N91-28723
DE-FG02-85ER-13396	18	p3051	N91-26849
	21	p3555	N91-29753
DE-FG02-85ER-13406	01	p0020	N91-10121
DE-FG02-85ER-13421	11	p1794	N91-19839
DE-FG02-85ER-13433	05	p0644	N91-13576
DE-FG02-85ER-13438	11	p1806	N91-19920
DE-FG02-85ER-13441	20	p3402	N91-28857
DE-FG02-85ER-13455	17	p2872	N91-25886
DE-FG02-85ER-25001	24	p4093	N91-32865
DE-FG02-85ER-40211	05	p0729	N91-14071
DE-FG02-85ER-40231	02	p0267	N91-11497
	24	p4098	N91-32895
DE-FG02-85ER-40233	09	p1397	N91-17690
DE-FG02-85ER-40235	13	p2150	N91-21851
DE-FG02-85ER-45184	09	p1312	N91-17203
DE-FG02-85ER-45189	08	p1221	N91-16725

DE-FG02-85ER-45193	06	p0813	N91-14491
DE-FG02-85ER-45200	21	p3592	N91-29980
DE-FG02-85ER-45205	20	p3304	N91-28287
DE-FG02-85ER-45209	16	p2696	N91-24930
DE-FG02-85ER-45217	05	p0642	N91-13565
DE-FG02-85ER-45219	03	p0338	N91-11895
	21	p3592	N91-29978
DE-FG02-85ER-45220	10	p1503	N91-18271
DE-FG02-85ER-45222	11	p1794	N91-19841
	21	p3593	N91-29989
DE-FG02-85ER-52122	02	p0206	N91-11152
DE-FG02-85ER-53198	02	p0273	N91-11535
	07	p1068	N91-15877
	08	p1226	N91-16757
	09	p1406	N91-17735
	10	p1600	N91-18827
	10	p1603	N91-18847
	14	p2329	N91-22867
	17	p2847	N91-25738
	17	p2868	N91-25864
	20	p3446	N91-29126
	21	p3586	N91-29948
	21	p3586	N91-29949
	21	p3588	N91-29959
	21	p3588	N91-29960
DE-FG02-85ER-53201	01	p0126	N91-10748
DE-FG02-85ER-53208	05	p0720	N91-14020
DE-FG02-85ER-53212	17	p2868	N91-25863
	20	p3419	N91-28961
	21	p3584	N91-29940
	21	p3589	N91-29966
DE-FG02-85ER-60293	17	p2808	N91-25522
DE-FG02-85ER-60314	10	p1556	N91-18557
	23	p3892	N91-31718
DE-FG02-85ER-60372	08	p1173	N91-16460
DE-FG02-86ER-5321	01	p0126	N91-10741
DE-FG02-86ER-13473	17	p2760	N91-25278
DE-FG02-86ER-13486	10	p1559	N91-18570
DE-FG02-86ER-13500	14	p2325	N91-22847
DE-FG02-86ER-13501	11	p1683	N91-19275
DE-FG02-86ER-13503	11	p1681	N91-19262
DE-FG02-86ER-13504	11	p1793	N91-19836
DE-FG02-86ER-13508	15	p2398	N91-23276
DE-FG02-86ER-13511	17	p2759	N91-25275
DE-FG02-86ER-13515	06	p0832	N91-14599
DE-FG02-86ER-13529	08	p1219	N91-16711
	18	p3060	N91-26905
DE-FG02-86ER-13547	17	p2756	N91-25257
DE-FG02-86ER-13549	11	p1794	N91-19844
DE-FG02-86ER-13553	08	p1107	N91-16081
DE-FG02-86ER-13560	20	p3324	N91-28401
DE-FG02-86ER-13566	20	p3315	N91-28350
DE-FG02-86ER-13569	20	p3312	N91-28332
DE-FG02-86ER-13576	21	p3584	N91-29936
DE-FG02-86ER-13579	05	p0726	N91-14058
DE-FG02-86ER-13580	11	p1681	N91-19263
DE-FG02-86ER-13582	05	p0633	N91-13509
DE-FG02-86ER-13590	11	p1737	N91-19554
DE-FG02-86ER-13597	13	p2080	N91-21461
DE-FG02-86ER-13603	18	p2958	N91-26324
DE-FG02-86ER-13615	21	p3477	N91-29283
DE-FG02-86ER-13619	20	p3316	N91-28357
DE-FG02-86ER-13620	24	p4072	N91-32751
DE-FG02-86ER-13631	18	p3021	N91-26682
DE-FG02-86ER-25015	11	p1782	N91-19776
DE-FG02-86ER-25020	10	p1526	N91-18402
DE-FG02-86ER-25021	05	p0710	N91-13958
DE-FG02-86ER-40269	06	p0870	N91-14809
DE-FG02-86ER-40286	12	p1978	N91-20887
DE-FG02-86ER-40302	20	p3392	N91-28798
DE-FG02-86ER-45229	06	p0810	N91-14471
DE-FG02-86ER-45236	10	p1497	N91-18241
DE-FG02-86ER-45239	08	p1115	N91-16123
DE-FG02-86ER-45247	17	p2757	N91-25262
DE-FG02-86ER-45251	21	p3491	N91-29371
DE-FG02-86ER-45252	12	p1877	N91-20317
DE-FG02-86ER-45253	01	p0129	N91-10764
DE-FG02-86ER-45254	20	p3429	N91-29020
DE-FG02-86ER-45256	18	p3073	N91-26983
DE-FG02-86ER-45262	20	p3318	N91-28368
DE-FG02-86ER-45267	05	p0712	N91-13973
DE-FG02-86ER-45269	20	p3311	N91-28328
DE-FG02-86ER-45278	20	p3427	N91-29011
DE-FG02-86ER-45281	03	p0338	N91-11896
DE-FG02-86ER-52127	02	p0273	N91-11534
DE-FG02-86ER-53218	02	p0272	N91-11525
	16	p2692	N91-24904
	16	p2692	N91-24905
	20	p3407	N91-28888
	20	p3417	N91-28949
	20	p3418	N91-28953
	20	p3435	N91-29061
	21	p3585	N91-29944
DE-FG02-86ER-53222	07	p1069	N91-15882
	08	p1227	N91-16760
	10	p1602	N91-18837
	11	p1804	N91-19904
	20	p3409	N91-28895
	21	p3584	N91-29938
DE-FG02-86ER-53223	01	p0126	N91-10746
	05	p0718	N91-14006
	15	p2513	N91-23924
	20	p3422	N91-28978
DE-FG02-86ER-53233	16	p2691	N91-24896
DE-FG02-86ER-53236	21	p3497	N91-29403
DE-FG02-86ER-53240	02	p0273	N91-11533
DE-FG02-86ER-60397	07	p1027	N91-15637
DE-FG02-86ER-60417	05	p0694	N91-13867
	24	p4097	N91-32894
DE-FG02-86ER-60422	11	p1733	N91-19532
DE-FG02-86ER-60438	23	p3898	N91-31759
DE-FG02-86ER-60444	23	p3892	N91-31722
DE-FG02-86ER-60472	10	p1537	N91-18462
DE-FG02-86ER-60485	20	p3371	N91-28673
DE-FG02-86NE-37966	05	p0670	N91-13722
DE-FG02-87ER-13649	05	p0661	N91-13671
DE-FG02-87ER-13654	11	p1680	N91-19261
DE-FG02-87ER-13666	23	p3812	N91-31262
DE-FG02-87ER-13670	14	p2353	N91-23016
DE-FG02-87ER-13671	10	p1593	N91-18784
DE-FG02-87ER-13683	06	p0830	N91-14584
DE-FG02-87ER-13725	11	p1810	N91-19939
DE-FG02-87ER-13744	12	p1978	N91-20886
DE-FG02-87ER-13750	11	p1793	N91-19833
DE-FG02-87ER-13759	12	p1871	N91-20281
DE-FG02-87ER-13764	15	p2424	N91-23427
DE-FG02-87ER-13769	05	p0658	N91-13654
DE-FG02-87ER-13775	10	p1500	N91-18258
DE-FG02-87ER-13778	20	p3403	N91-28863
DE-FG02-87ER-13790	07	p0983	N91-15393
DE-FG02-87ER-13791	24	p4098	N91-32896
DE-FG02-87ER-13800	08	p1142	N91-16284
DE-FG02-87ER-13808	02	p0268	N91-11504
DE-FG02-87ER-25026	18	p3052	N91-26855
DE-FG02-87ER-25027	10	p1495	N91-18230
DE-FG02-87ER-25035	06	p0867	N91-14792
DE-FG02-87ER-40315	10	p1592	N91-18777
DE-FG02-87ER-40317	09	p1428	N91-17859
	21	p3606	N91-30066
DE-FG02-87ER-40335	06	p0870	N91-14809
	07	p1067	N91-15869
DE-FG02-87ER-40342	13	p2157	N91-21889
DE-FG02-87ER-40370	13	p2149	N91-21842
	13	p2149	N91-21843
DE-FG02-87ER-40371	15	p2504	N91-23868
DE-FG02-87ER-45286	21	p3484	N91-29329
DE-FG02-87ER-45295	20	p3319	N91-28372
DE-FG02-87ER-45298	20	p3428	N91-29013
DE-FG02-87ER-45301	20	p3433	N91-29043
DE-FG02-87ER-45307	21	p3600	N91-30031
DE-FG02-87ER-45308	14	p2248	N91-22435
DE-FG02-87ER-45310	06	p0883	N91-14880
	09	p1413	N91-17780
	09	p1414	N91-17782
	13	p2159	N91-21905
DE-FG02-87ER-45311	17	p2759	N91-25273
DE-FG02-87ER-45312	23	p3807	N91-31239
DE-FG02-87ER-45314	11	p1809	N91-19938
DE-FG02-87ER-45315	15	p2401	N91-23293
DE-FG02-87ER-45320	23	p3932	N91-31973
DE-FG02-87ER-45328	02	p0196	N91-11099
	20	p3425	N91-28995
DE-FG02-87ER-45330	01	p0132	N91-10779
DE-FG02-87ER-45333	21	p3578	N91-29900
DE-FG02-87ER-53244	20	p3422	N91-28977
DE-FG02-87ER-53252	11	p1779	N91-19759
DE-FG02-87ER-60519	10	p1563	N91-18596
DE-FG02-87ER-60522	10	p1558	N91-18568
DE-FG02-87ER-60539	10	p1563	N91-18595
DE-FG02-87ER-60543	07	p1033	N91-15666
DE-FG02-87ER-60556	13	p2126	N91-21703
DE-FG02-87ER-60557	16	p2662	N91-24726
DE-FG02-87ER-60561	20	p3381	N91-28728
DE-FG02-87ER-60570	17	p2807	N91-25521
DE-FG02-88CE-90025	02	p0219	N91-11225
DE-FG02-88CH-10376	12	p1918	N91-20552
DE-FG02-88DP-48058	20	p3436	N91-29066
	20	p3436	N91-29067
	20	p3436	N91-29069
	20	p3437	N91-29070
	20	p3437	N91-29071
	20	p3438	N91-29075
	20	p3438	N91-29076
DE-FG02-88ER-13822	05	p0635	N91-13519
	24	p3974	N91-32198
DE-FG02-88ER-13850	01	p0134	N91-10792
DE-FG02-88ER-13860	01	p0122	N91-10722
DE-FG02-88ER-13866	04	p0502	N91-12787
DE-FG02-88ER-13879	20	p3312	N91-28333
DE-FG02-88ER-13880	11	p1682	N91-19267
DE-FG02-88ER-13905	20	p3330	N91-28440
DE-FG02-88ER-13912	18	p2951	N91-26286
DE-FG02-88ER-13913	20	p3343	N91-28511
DE-FG02-88ER-13914	23	p3888	N91-31700
DE-FG02-88ER-13916	09	p1337	N91-17346
DE-FG02-88ER-13930	08	p1138	N91-16261
DE-FG02-88ER-13937	21	p3521	N91-29555
DE-FG02-88ER-13942	08	p1117	N91-16140
DE-FG02-88ER-13944	20	p3403	N91-28864
DE-FG02-88ER-13955	11	p1794	N91-19840
DE-FG02-88ER-13966	12	p1867	N91-20261
DE-FG02-88ER-13969	13	p2125	N91-21698
DE-FG02-88ER-13974	14	p2266	N91-22535
DE-FG02-88ER-25053	17	p2846	N91-25733
	20	p3281	N91-28142
DE-FG02-88ER-40388	18	p3084	N91-27052
	20	p3404	N91-28872
DE-FG02-88ER-40410	10	p1592	N91-18782
DE-FG02-88ER-40415	21	p3578	N91-29901
DE-FG02-88ER-40417	02	p0268	N91-11500
DE-FG02-88ER-40425	23	p3926	N91-31936
DE-FG02-88ER-40448	07	p1065	N91-15857
DE-FG02-88ER-40456	20	p3400	N91-28845
DE-FG02-88ER-40479	15	p2503	N91-23863
DE-FG02-88ER-45337	04	p0505	N91-12803
DE-FG02-88ER-45347	13	p2056	N91-21315
	20	p3401	N91-28848
DE-FG02-88ER-45356	08	p1117	N91-16138
	11	p1680	N91-19260
DE-FG02-88ER-45357	20	p3434	N91-29049
	21	p3474	N91-29266
DE-FG02-88ER-45358	06	p0871	N91-14814
DE-FG02-88ER-45364	16	p2602	N91-24417
DE-FG02-88ER-45365	21	p3478	N91-29293
DE-FG02-88ER-45370	02	p0201	N91-11124
DE-FG02-88ER-45372	18	p2944	N91-26239
DE-FG02-88ER-45376	06	p0832	N91-14597
	24	p3975	N91-32206
	24	p3975	N91-32207
DE-FG02-88ER-53263	09	p1399	N91-17703
	21	p3589	N91-29964
DE-FG02-88ER-53276	13	p2157	N91-21889
DE-FG02-88ER-60631	08	p1220	N91-16722
	20	p3378	N91-28716
DE-FG02-88ER-60675	17	p2817	N91-25568
DE-FG02-88ER-60678	13	p2126	N91-21702
DE-FG02-88ER-60700	11	p1764	N91-19706
DE-FG02-89CE-90029	02	p0219	N91-11223
	07	p1003	N91-15504
	20	p3342	N91-28508
	20	p3342	N91-28509
DE-FG02-89CE-90048	18	p2952	N91-26289
	21	p3502	N91-29437
DE-FG02-89CH-10418	23	p3890	N91-31712
DE-FG02-89ER-14012	21	p3525	N91-29580
	21	p3525	N91-29582
DE-FG02-89ER-14017	05	p0727	N91-14064
DE-FG02-89ER-14024	20	p3366	N91-28649
	24	p4041	N91-32578
DE-FG02-89ER-14026	20	p3378	N91-28713
DE-FG02-89ER-14031	21	p3547	N91-29711
DE-FG02-89ER-14042	15	p2437	N91-23499
	20	p3354	N91-28576
DE-FG02-89ER-14043	21	p3511	N91-29492
DE-FG02-89ER-14045	10	p1608	N91-18875
	18	p2951	N91-26284
DE-FG02-89ER-14077	20	p3430	N91-29026
DE-FG02-89ER-14079	06	p0846	N91-14674
	06	p0846	N91-14675
DE-FG02-89ER-40531	23	p3926	N91-31937
DE-FG02-89ER-45388	15	p2401	N91-23297
DE-FG02-89ER-45391	06	p0882	N91-14874
DE-FG02-89ER-45396	20	p3322	N91-28391
DE-FG02-89ER-45402	08	p1234	N91-16801
	20	p3432	N91-29041
DE-FG02-89ER-45403	23	p3925	N91-31934
DE-FG02-89ER-45409	12	p1877	N91-20316
DE-FG02-89ER-53291	01	p0126	N91-10747
	16	p2693	N91-24908
	21	p3589	N91-29966
DE-FG02-89ER-53297	21	p3584	N91-29938
DE-FG02-89ER-53298	14	p2328	N91-22864
DE-FG02-89ER-53300	14	p2328	N91-22865
DE-FG02-89ER-60836	11	p1764	N91-19705
DE-FG02-89ER-60863	16	p2655	N91-24692
DE-FG02-89ER-69017	07	p1027	N91-15635
	16	p2660	N91-24718
	24	p4070	N91-32742
DE-FG02-90CH-10455	12	p1918	N91-20552
DE-FG02-90ER-12105	11	p1807	N91-19923
DE-FG02-90ER-14104	06	p0883	N91-14878
	24	p4009	N91-32416
DE-FG02-90ER-14125	13	p2050	N91-21277
DE-FG02-90ER-14136	11	p1703	N91-19377
DE-FG02-90ER-14143	23	p3810	N91-31253
DE-FG02-90ER-14147	24	p4018	N91-32466
DE-FG02-90ER-14150	21	p3477	N91-29287
DE-FG02-90ER-14151	20	p3399	N91-28839

DE-FG02-90ER-14159 ..... 21 p3574 N91-29872
DE-FG02-90ER-40557 ..... 11 p1794 N91-19845
DE-FG02-90ER-40560 ..... 06 p0924 N91-15111
15 p2529 N91-24015
16 p2685 N91-24868
16 p2685 N91-24869
DE-FG02-90ER-40577 ..... 10 p1592 N91-18781
DE-FG02-90ER-40606 ..... 20 p3443 N91-29109
DE-FG02-90ER-45413 ..... 20 p3321 N91-28383
DE-FG02-90ER-45416 ..... 21 p3599 N91-30025
DE-FG02-90ER-45417 ..... 10 p1609 N91-18878
DE-FG02-90ER-45418 ..... 12 p1915 N91-20536
DE-FG02-90ER-45421 ..... 20 p3359 N91-28608
DE-FG02-90ER-45423 ..... 10 p1608 N91-18873
DE-FG02-90ER-45427 ..... 12 p1991 N91-20962
12 p1992 N91-20963
DE-FG02-90ER-53302 ..... 08 p1228 N91-16767
13 p2159 N91-21901
DE-FG02-90ER-60933 ..... 04 p0542 N91-13009
DE-FG02-90ER-60970 ..... 11 p1735 N91-19541
DE-FG02-90ER-60977 ..... 16 p2655 N91-24692
DE-FG02-90ER-60983 ..... 21 p3547 N91-29708
DE-FG02-90ER-60989 ..... 19 p3206 N91-27723
DE-FG02-90ER-61009 ..... 17 p2822 N91-25597
DE-FG02-90ER-61013 ..... 11 p1735 N91-19543
DE-FG02-90ER-61014 ..... 13 p2114 N91-21639
DE-FG02-90ER-61019 ..... 11 p1734 N91-19537
DE-FG02-90ER-61033 ..... 17 p2823 N91-25598
DE-FG02-90ER-80861 ..... 05 p0682 N91-13794
DE-FG02-90EW-00003 ..... 17 p2807 N91-25517
DE-FG02-91ER-40626 ..... 24 p4122 N91-33041
DE-FG02-91ER-54109 ..... 15 p2512 N91-23920
DE-FG02-91ER-54110 ..... 14 p2322 N91-22827
16 p2692 N91-24906
DE-FG02-91ER-54111 ..... 24 p4104 N91-32935
DE-FG03-84ER-13251 ..... 23 p3889 N91-31704
DE-FG03-84ER-40161 ..... 10 p1618 N91-18920
10 p1618 N91-18921
11 p1797 N91-19859
DE-FG03-84ER-45156 ..... 02 p0279 N91-11569
DE-FG03-84ER-45169 ..... 01 p0025 N91-10152
DE-FG03-85ER-13317 ..... 20 p3310 N91-28323
DE-FG03-85ER-13356 ..... 11 p1764 N91-19707
DE-FG03-85ER-13360 ..... 05 p0659 N91-13659
DE-FG03-85ER-13363 ..... 21 p3573 N91-29867
DE-FG03-86ER-13479 ..... 20 p3310 N91-28320
DE-FG03-86ER-13571 ..... 20 p3311 N91-28329
DE-FG03-86ER-13600 ..... 01 p0045 N91-10270
DE-FG03-86ER-45279 ..... 20 p3323 N91-28396
21 p3491 N91-29372
DE-FG03-86ER-53220 ..... 12 p1985 N91-20921
20 p3423 N91-28984
DE-FG03-86ER-53225 ..... 15 p2512 N91-23918
DE-FG03-86ER-60490 ..... 24 p4042 N91-32587
DE-FG03-86SF-16306 ..... 02 p0231 N91-11291
08 p1169 N91-16435
09 p1356 N91-17451
DE-FG03-87ER-13727 ..... 24 p4107 N91-32948
DE-FG03-87ER-13738 ..... 24 p4112 N91-32984
DE-FG03-87ER-13757 ..... 24 p4018 N91-32465
DE-FG03-87ER-13780 ..... 10 p1525 N91-18395
DE-FG03-87ER-25028 ..... 01 p0113 N91-10660
04 p0565 N91-13135
06 p0862 N91-14764
12 p1956 N91-20761
DE-FG03-87ER-40347 ..... 20 p3399 N91-28838
DE-FG03-87ER-45288 ..... 20 p3322 N91-28392
20 p3328 N91-28430
DE-FG03-87ER-60513 ..... 09 p1395 N91-17673
DE-FG03-88ER-13892 ..... 24 p3975 N91-32205
DE-FG03-88ER-13906 ..... 11 p1763 N91-19702
11 p1763 N91-19703
DE-FG03-88ER-13910 ..... 05 p0633 N91-13510
DE-FG03-88ER-53275 ..... 01 p0126 N91-10745
DE-FG03-88ER-60673 ..... 15 p2472 N91-23695
DE-FG03-89ER-51121 ..... 11 p1800 N91-19881
12 p1985 N91-20920
DE-FG03-89ER-60901 ..... 17 p2808 N91-25524
DE-FG03-89ER-60913 ..... 20 p3378 N91-28717
DE-FG03-89SF-18011 ..... 10 p1601 N91-18828
DE-FG03-89SF-18014 ..... 20 p3418 N91-28956
DE-FG03-90ER-45435 ..... 20 p3308 N91-28312
DE-FG03-90ER-54081 ..... 14 p2329 N91-22869
DE-FG03-90ER-54088 ..... 13 p2158 N91-21899
DE-FG03-90ER-54089 ..... 24 p4105 N91-32941
DE-FG03-90ER-60997 ..... 15 p2473 N91-23696
DE-FG03-90SF-18437 ..... 12 p1974 N91-20862
DE-FG03-90SF-18438 ..... 13 p2158 N91-21900
DE-FG03-91ER-18862 ..... 12 p1974 N91-20862
DE-FG04-87AL-44658 ..... 09 p1305 N91-17163
DE-FG04-88ER-40403 ..... 03 p0416 N91-12328
DE-FG05-80ET-53088 ..... 01 p0126 N91-10743
01 p0126 N91-10744
01 p0126 N91-10745
01 p0141 N91-10831
02 p0274 N91-11540
02 p0275 N91-11548
02 p0291 N91-11634
02 p0294 N91-11651
04 p0583 N91-13254
06 p0921 N91-15084
06 p0924 N91-15110
07 p1069 N91-15879
08 p1225 N91-16748
09 p1394 N91-17668
11 p1784 N91-19787
11 p1802 N91-19897
11 p1804 N91-19909
17 p2869 N91-25870
17 p2870 N91-25873
20 p3419 N91-28963
20 p3420 N91-28964
20 p3420 N91-28965
20 p3421 N91-28972
20 p3421 N91-28974
20 p3422 N91-28982
21 p3577 N91-29896
21 p3580 N91-29913
21 p3588 N91-29956
21 p3589 N91-29965
24 p4018 N91-32464
24 p4106 N91-32945
24 p4106 N91-32946
DE-FG05-84ER-13262 ..... 15 p2504 N91-23870
DE-FG05-84ER-13266 ..... 10 p1592 N91-18783
DE-FG05-84ER-13281 ..... 09 p1310 N91-17192
DE-FG05-84ER-40143 ..... 01 p0120 N91-10709
DE-FG05-84ER-40145 ..... 07 p1064 N91-15853
DE-FG05-84ER-40154 ..... 08 p1239 N91-16828
DE-FG05-84ER-40159 ..... 11 p1795 N91-19846
11 p1795 N91-19847
12 p1975 N91-20867
DE-FG05-84ER-40162 ..... 15 p2504 N91-23871
DE-FG05-84ER-45113 ..... 07 p1071 N91-15893
DE-FG05-85ER-13434 ..... 06 p0805 N91-14448
DE-FG05-85ER-13435 ..... 08 p1108 N91-16083
10 p1496 N91-18233
DE-FG05-85ER-13439 ..... 12 p1867 N91-20260
DE-FG05-85ER-13456 ..... 13 p2150 N91-21850
DE-FG05-85ER-40219 ..... 17 p2874 N91-25897
DE-FG05-85ER-45194 ..... 13 p2056 N91-21316
DE-FG05-85ER-45208 ..... 06 p0879 N91-14855
DE-FG05-85ER-60348 ..... 13 p2123 N91-21686
DE-FG05-86DP-70033 ..... 09 p1419 N91-17812
DE-FG05-86ER-13465 ..... 20 p3380 N91-28724
DE-FG05-86ER-13487 ..... 20 p3327 N91-28421
DE-FG05-86ER-13507 ..... 11 p1689 N91-19309
DE-FG05-86ER-13538 ..... 10 p1496 N91-18235
DE-FG05-86ER-13591 ..... 14 p2252 N91-22458
DE-FG05-86ER-13604 ..... 20 p3325 N91-28409
DE-FG05-86ER-13613 ..... 10 p1496 N91-18234
10 p1596 N91-18807
DE-FG05-86ER-13629 ..... 08 p1119 N91-16151
DE-FG05-86ER-40272 ..... 07 p1083 N91-15956
09 p1364 N91-17495
09 p1364 N91-17496
09 p1427 N91-17856
15 p2529 N91-24015
DE-FG05-86ER-40293 ..... 20 p3398 N91-28831
DE-FG05-86ER-45246 ..... 07 p0980 N91-15378
DE-FG05-86ER-45276 ..... 04 p0591 N91-13303
DE-FG05-86ER-52139 ..... 09 p1311 N91-17195
DE-FG05-86ER-53217 ..... 01 p0120 N91-10710
08 p1220 N91-16721
DE-FG05-86ER-53221 ..... 20 p3422 N91-28980
DE-FG05-86ER-53241 ..... 20 p3417 N91-28945
20 p3418 N91-28950
DE-FG05-86ER-60434 ..... 23 p3899 N91-31764
DE-FG05-86ER-60473 ..... 08 p1220 N91-16717
DE-FG05-86ER-75274 ..... 19 p3268 N91-28074
DE-FG05-87ER-13659 ..... 10 p1601 N91-18829
DE-FG05-87ER-13708 ..... 13 p2092 N91-21517
DE-FG05-87ER-13711 ..... 17 p2784 N91-25404
DE-FG05-87ER-13751 ..... 09 p1397 N91-17687
DE-FG05-87ER-13789 ..... 20 p3398 N91-28833
DE-FG05-87ER-25036 ..... 11 p1785 N91-19792
DE-FG05-87ER-25048 ..... 17 p2839 N91-25691
DE-FG05-87ER-40309 ..... 04 p0581 N91-13241
DE-FG05-87ER-40319 ..... 02 p0254 N91-11412
02 p0269 N91-11512
23 p3908 N91-31816
23 p3925 N91-31930
23 p3926 N91-31938
DE-FG05-87ER-40330 ..... 04 p0581 N91-13242
11 p1795 N91-19847
DE-FG05-87ER-40343 ..... 07 p1065 N91-15854
DE-FG05-87ER-40361 ..... 04 p0581 N91-13240
20 p3401 N91-28853
DE-FG05-87ER-40374 ..... 10 p1595 N91-18801
DE-FG05-87ER-40376 ..... 15 p2504 N91-23869
DE-FG05-87ER-45306 ..... 20 p3329 N91-28433
21 p3485 N91-29333
DE-FG05-87ER-51112 ..... 19 p3250 N91-27975
DE-FG05-87ER-52147 ..... 08 p1152 N91-16346
08 p1227 N91-16763
08 p1227 N91-16764
11 p1699 N91-19357
11 p1699 N91-19358
12 p1905 N91-20483
12 p1905 N91-20484
12 p1983 N91-20912
DE-FG05-88ER-13859 ..... 20 p3327 N91-28421
20 p3328 N91-28428
DE-FG05-88ER-13867 ..... 08 p1221 N91-16723
DE-FG05-88ER-13897 ..... 12 p1993 N91-20972
DE-FG05-88ER-13902 ..... 21 p3602 N91-30041
DE-FG05-88ER-13925 ..... 18 p3061 N91-26910
DE-FG05-88ER-13943 ..... 09 p1309 N91-17184
DE-FG05-88ER-13950 ..... 17 p2861 N91-25823
DE-FG05-88ER-13954 ..... 23 p3810 N91-31255
23 p3811 N91-31256
DE-FG05-88ER-13958 ..... 02 p0268 N91-11501
DE-FG05-88ER-13971 ..... 08 p1219 N91-16715
13 p2150 N91-21849
DE-FG05-88ER-13975 ..... 11 p1793 N91-19834
DE-FG05-88ER-13977 ..... 20 p3357 N91-28596
DE-FG05-88ER-25063 ..... 20 p3385 N91-28754
20 p3385 N91-28757
20 p3389 N91-28779
20 p3390 N91-28782
20 p3438 N91-29080
20 p3440 N91-29089
20 p3440 N91-29090
22 p3736 N91-30810
DE-FG05-88ER-40399 ..... 24 p4096 N91-32887
DE-FG05-88ER-40418 ..... 12 p1975 N91-20867
DE-FG05-88ER-40419 ..... 14 p2326 N91-22848
DE-FG05-88ER-40435 ..... 07 p1075 N91-15917
DE-FG05-88ER-40467 ..... 21 p3577 N91-29897
DE-FG05-88ER-45359 ..... 09 p1416 N91-17795
DE-FG05-88ER-53266 ..... 09 p1400 N91-17705
14 p2326 N91-22853
14 p2328 N91-22866
15 p2511 N91-23912
15 p2512 N91-23918
21 p3589 N91-29965
DE-FG05-88ER-53267 ..... 08 p1227 N91-16762
14 p2326 N91-22853
14 p2328 N91-22866
15 p2512 N91-23918
DE-FG05-88ER-60707 ..... 10 p1563 N91-18598
21 p3577 N91-29893
DE-FG05-89ER-14005 ..... 21 p3548 N91-29713
DE-FG05-89ER-14015 ..... 11 p1680 N91-19259
DE-FG05-89ER-14090 ..... 04 p0583 N91-13252
20 p3406 N91-28879
DE-FG05-89ER-25080 ..... 01 p0103 N91-10598
DE-FG05-89ER-40421 ..... 24 p4118 N91-33016
24 p4118 N91-33017
DE-FG05-89ER-40501 ..... 10 p1591 N91-18773
DE-FG05-89ER-45384 ..... 11 p1688 N91-19302
DE-FG05-89ER-45392 ..... 09 p1311 N91-17196
23 p3815 N91-31281
DE-FG05-89ER-53295 ..... 09 p1400 N91-17707
20 p3421 N91-28971
DE-FG05-89ER-53301 ..... 20 p3422 N91-28981
DE-FG05-89ER-75498 ..... 21 p3603 N91-30044
22 p3763 N91-30979
22 p3763 N91-30980
22 p3764 N91-30981
23 p3934 N91-31985
23 p3934 N91-31986
DE-FG05-89ER-75527 ..... 02 p0285 N91-11604
DE-FG05-90ER-14129 ..... 23 p3816 N91-31289
DE-FG05-90ER-54085 ..... 10 p1601 N91-18831
DE-FG05-90ER-60954 ..... 03 p0389 N91-12165
DE-FG05-90ER-60971 ..... 11 p1738 N91-19555
DE-FG05-90ER-61015 ..... 11 p1735 N91-19540
DE-FG06-84ER-45163 ..... 09 p1412 N91-17769
23 p3812 N91-31263
DE-FG06-85ER-45191 ..... 10 p1502 N91-18266
10 p1502 N91-18267
DE-FG06-85ER-60313 ..... 09 p1362 N91-17484
DE-FG06-86ER-25019 ..... 04 p0530 N91-12939
08 p1151 N91-16341
21 p3548 N91-29715
DE-FG06-86ER-40283 ..... 20 p3405 N91-28873
DE-FG06-86ER-45273 ..... 24 p4023 N91-32485
DE-FG06-87ER-25045 ..... 24 p4087 N91-32833
DE-FG06-87ER-53242 ..... 01 p0125 N91-10738
DE-FG06-88ER-13973 ..... 06 p0832 N91-14596
DE-FG06-88ER-25061 ..... 08 p1137 N91-16258
10 p1522 N91-18382
13 p2082 N91-21474
DE-FG06-88ER-40427 ..... 04 p0609 N91-13387
08 p1219 N91-16712
21 p3573 N91-29866
24 p4097 N91-32890

DE-FG06-88ER-45352	20	p3318	N91-28369
DE-FG06-89ER-14064	02	p0254	N91-11411
DE-FG06-90ER-54095	20	p3420	N91-28967
DE-FG06-90ER-61034	20	p3436	N91-29064
DE-FG07-87ID-12693	15	p2526	N91-23999
DE-FG07-89ER-12889	20	p3390	N91-28786
DE-FG07-89ER-12901	24	p3972	N91-32186
DE-FG07-89ID-12850	04	p0543	N91-13013
DE-FG07-90ER-13032	21	p3517	N91-29531
DE-FG07-90ER-13034	23	p3868	N91-31575
DE-FG07-90ID-13040	11	p1727	N91-19509
DE-FG09-84ER-13296	17	p2759	N91-25276
DE-FG09-84ER-40160	09	p1397	N91-17688
DE-FG09-85ER-60376	17	p2816	N91-25564
DE-FG09-86ER-13614	21	p3548	N91-29712
DE-FG09-87ER-13768	10	p1559	N91-18571
	10	p1606	N91-18864
DE-FG09-87ER-13811	17	p2757	N91-25260
DE-FG09-87ER-45291	09	p1399	N91-17702
DE-FG09-88ER-13901	17	p2817	N91-25569
DE-FG09-88ER-13970	16	p2699	N91-24948
DE-FG09-89ER-13989	10	p1559	N91-18571
DE-FG21-86MC-23135	18	p2952	N91-26288
DE-FG21-86MC-23161	08	p1137	N91-16259
DE-FG22-84PC-71257	15	p2408	N91-23334
DE-FG22-85PC-80527	21	p3472	N91-29257
DE-FG22-86PC-90526	18	p2944	N91-26243
DE-FG22-86PC-90533	21	p3477	N91-29285
DE-FG22-86PC-90956	10	p1526	N91-18401
DE-FG22-87PC-79922	12	p1926	N91-20597
DE-FG22-87PC-79923	10	p1497	N91-18238
	24	p3973	N91-32192
DE-FG22-87PC-79931	10	p1541	N91-18483
DE-FG22-88PC-88913	15	p2423	N91-23424
DE-FG22-88PC-88928	14	p2328	N91-22863
	15	p2511	N91-23911
	24	p4105	N91-32939
DE-FG22-88PC-88932	11	p1734	N91-19536
DE-FG22-89BC-14483	17	p2687	N91-25963
DE-FG22-89PC-89768	16	p2687	N91-24873
DE-FG22-89PC-89771	06	p0804	N91-14440
	20	p3311	N91-28327
DE-FG22-89PC-89775	11	p1678	N91-19250
	13	p2049	N91-21272
DE-FG22-89PC-89786	15	p2408	N91-23334
	18	p2952	N91-26291
DE-FG22-89PC-89864	18	p2993	N91-26528
DE-FG22-90BC-14600	16	p2625	N91-24538
DE-FG22-90PC-90291	16	p2598	N91-24401
DE-FG22-90PC-90293	15	p2397	N91-23275
DE-GI01-87CE-50182	11	p1691	N91-19315
	11	p1733	N91-19531
DE-GI03-85SF-15894	09	p1354	N91-17439
DE-W-7405-ENG-36	02	p0242	N91-11351
DEN3-335	22	p3770	N91-31022
DEN3-336	08	p1097	N91-16021
DFG-CO-153/3-1	10	p1572	N91-18646
DFG-DE-385/1-1	05	p0752	N91-14187
DFG-DE-385/2-1	05	p0752	N91-14187
DFG-EM-29/2-2	15	p2447	N91-23552
DFG-GA-187/24-1	07	p0937	N91-15137
DFG-HO-858/1-5	03	p0390	N91-12174
DFG-IG-3/13	10	p1620	N91-18936
DFG-IG-3/13-2	10	p1620	N91-18936
DFG-IG-3/13-3	10	p1620	N91-18936
DFG-KU-474/13-1	08	p1265	N91-16967
DFG-MO-446/1-1	04	p0575	N91-13199
DFG-NA-189/1-1	08	p1155	N91-16364
DFG-RA-335/5-1	14	p2334	N91-22903
DFG-SCHM-160/37-1	10	p1621	N91-18941
DFG-WA-424/3	04	p0472	N91-12646
DFG-325/21-4/28-1-2	08	p1266	N91-16972
DI-J-5130-137	06	p0849	N91-14686
DI-14-01-0001-89-C-39	10	p1556	N91-18554
DI-14-08-0001-G-1483	17	p2812	N91-25540
DI-14-08-0001-G-1656	24	p4070	N91-32740
DI-14-08-0001-G1490	21	p3535	N91-29641
DI-14-12-0001-30073	24	p4071	N91-32746
DI-14-12-0001-30297	13	p2167	N91-21961
DI-14-35-0001-30474	22	p3712	N91-30661
DLA900-83-C-1744	12	p1998	N91-20996
DLA900-87-D-0017	22	p3683	N91-30510
DLA900-88-D-0392	13	p2090	N91-21502
DMA903-87-C-0719	19	p3152	N91-27421
DNA001-C-0320	05	p0656	N91-13645
DNA001-86-C-0055	09	p1410	N91-17760
DNA001-86-C-0061	19	p3157	N91-27454
DNA001-87-C-0015	09	p1403	N91-17725
DNA001-87-C-0169	18	p2974	N91-26418
DNA001-87-C-0180	18	p3014	N91-26642
DNA001-87-C-0303	19	p3164	N91-27496
DNA001-88-C-0033	21	p3542	N91-29679
DNA001-88-C-0046	13	p2047	N91-21263
	21	p3499	N91-29417
DND-14SV-W7714-7-5353	23	p3854	N91-31486
DOD/FA7INA-AP-98	10	p1472	N91-18112
DOE-1714-1714-A1	03	p0397	N91-12205
DOE-1886-8011-9B	03	p0381	N91-12129
DOE-1886-8189-8L	06	p0809	N91-14467
DOT-TO-302Y	19	p3149	N91-27403
DOT-UMTA-PA-06-0111	12	p2000	N91-21009
DOT/DTS088-G-0007	17	p2763	N91-25299
DOTS59-89-C-00082	18	p3034	N91-26746
DRE-W7714-9-9272	23	p3853	N91-31484
DREA-FE-311F121	22	p3694	N91-30564
DREA-W7707-7-7850-01-OSC	22	p3654	N91-30337
DREA-W7707-7-7895-01-OSC	22	p3654	N91-30336
DREA-W7707-7-7935-01-OSC	23	p3817	N91-31295
DREO-W2207-6-AF37/01-ST	22	p3669	N91-30428
DREO-W7714-7-5271	23	p3854	N91-31485
DREO-W7714-7-5353	23	p3852	N91-31478
DREO-W7714-8-5734/01-ST	23	p3853	N91-31482
DREO-W7714-8-5786	22	p3754	N91-30925
DREO-66ER-7-0003/E2-ER	23	p3853	N91-31483
DREO-660ER-7-0003/96-ER	22	p3616	N91-30118
DREP-W7708-8-0174/01-XSB	22	p3750	N91-30904
DREP-W7708-6700-01-SB	22	p3651	N91-30316
DRET-DS/SSR-88-1441	23	p3785	N91-31103
DRET-86-095	23	p3785	N91-31103
	23	p3799	N91-31189
DRET-87-068	01	p0003	N91-10017
DRET-87-140	23	p3806	N91-31232
	23	p3807	N91-31233
DRET-87-212	23	p3873	N91-31603
DRET-87-229	23	p3869	N91-31583
DRET-87-238	23	p3867	N91-31567
DRET-87-808-11	23	p3867	N91-31566
DRET-87-1027	23	p3899	N91-31761
DRET-87-1187	23	p3784	N91-31101
DRET-88-150	23	p3867	N91-31566
DRET-88-229	24	p4094	N91-32871
DRET-88-509	23	p3783	N91-31090
DRET-88/214	13	p2148	N91-21831
DRET-89-34-001	23	p3783	N91-31092
	23	p3783	N91-31095
	23	p3790	N91-31136
	23	p3869	N91-31585
	23	p3885	N91-31682
	24	p4013	N91-32435
	24	p4013	N91-32437
DRET-89-001-19	23	p3786	N91-31111
	23	p3786	N91-31112
DRET-89-001-46	23	p3924	N91-31924
	23	p3924	N91-31925
DRET-89-003	23	p3873	N91-31604
DRET-89-017-01	23	p3819	N91-31306
DRET-89-237	11	p1761	N91-19689
DRET/ARMINES-87-193	23	p3885	N91-31683
DRET/LAAS-CNRS-83-34-051-00-47			
	23	p3882	N91-31662
DRET/LIMSI-88-047	23	p3871	N91-31594
DSS-01SG-97702-R-5-0682	22	p3676	N91-30470
DSS-36001-8-3528/01-SS	21	p3495	N91-29395
	21	p3496	N91-29396
	21	p3496	N91-29397
DSS-36001-8-3529/01-SS	21	p3496	N91-29398
DTCG23-82-C-20016	11	p1704	N91-19383
DTCG23-82-C-20017	11	p1717	N91-19452
DTCG23-85-C-20071	14	p2267	N91-22543
DTCG23-86-A-20022	04	p0475	N91-12652
	17	p2734	N91-25141
DTCG23-86-C-20030	04	p0476	N91-12657
DTCG23-86-C-20057	14	p2273	N91-22574
DTCG23-86-C-20064	19	p3135	N91-27323
DTCG23-88-C-20021	19	p3179	N91-27577
DTCG23-88-C-20030	22	p3691	N91-30550
DTCG23-88-C-20037	15	p2448	N91-23557
DTCG23-88-C-20071	14	p2277	N91-22591
DTCG23-88-R-20020	24	p4031	N91-32522
DTCG23-89-C-20008	03	p0310	N91-11739
	18	p2924	N91-26128
	18	p2924	N91-26129
	22	p3616	N91-30114
	23	p3788	N91-31122
	23	p3788	N91-31123
	23	p3788	N91-31124
DTCG23-89-C-20015	12	p1862	N91-20232
DTCG39-89-C-E10G56	18	p3035	N91-26751
DTCG39-89-C-80671	22	p3719	N91-30702
DTCG39-89-R-80812	18	p2997	N91-26550
DTEA03-89-P-01022	24	p3988	N91-32284
DTFA-01-L-83-4-10579	04	p0549	N91-13047
DTFA-01-84-2-02038	21	p3462	N91-29198
DTFA01-L-83-4-10579	09	p1323	N91-17264
	12	p1953	N91-20741
	19	p3150	N91-27413
	19	p3151	N91-27419
DTFA01-L-83-10579	12	p1925	N91-20595
DTFA01-80-Y-10524	13	p2121	N91-21671
	14	p2255	N91-22473
	15	p2468	N91-23675
DTFA01-83-4-10579	08	p1129	N91-16206
	09	p1322	N91-17263
	12	p1925	N91-20591
DTFA01-84-Z-02030	09	p1322	N91-17263
DTFA01-85-C-01047	03	p0317	N91-11775
DTFA01-86-C-00035	11	p1651	N91-19102
DTFA01-87-C-00014	08	p1091	N91-15989
	09	p1275	N91-17010
	15	p2373	N91-23134
	19	p3103	N91-27145
	22	p3617	N91-30124
	24	p3952	N91-32086
DTFA01-88-Y-D-01025	06	p0779	N91-14320
DTFA01-88-Y-01026	22	p3609	N91-30075
DTFA01-89-C-00001	18	p2976	N91-26433
DTFA01-89-Y-01047	11	p1645	N91-19075
DTFA01-89-Z-02029	05	p0625	N91-13464
	18	p2929	N91-26160
DTFA01-89-Z-02039	22	p3616	N91-30115
DTFA01-91-Y-01004	16	p2557	N91-24185
	22	p3616	N91-30117
DTFA03-85-C-00007	21	p3453	N91-29154
	21	p3453	N91-29155
	21	p3454	N91-29156
DTFA03-86-C-00041	07	p1020	N91-15602
DTFA03-86-C-00042	23	p3908	N91-31814
DTFA03-87-A-00021	24	p4046	N91-32602
DTFA03-88-C-00024	13	p2022	N91-21122
DTFA03-89-A-00004	20	p3281	N91-28146
DTFA03-89-C-00023	07	p0962	N91-15295
	10	p1469	N91-18102
	12	p1832	N91-20068
DTFA03-89-C-00057	07	p1077	N91-15928
DTFA03-89-C-00081	15	p2367	N91-23097
DTFA03-90-C-00050	16	p2554	N91-24157
DTFA03-90-P-00804	09	p1274	N91-17005
DTFA08-89-0050	06	p0854	N91-14713
DTFH61-85-P-00311	06	p0849	N91-14686
DTRS-57-85-C-000123	11	p1645	N91-19074
DTRS57-89-P-82291	24	p4087	N91-32832
E-EG-1448-301	24	p4055	N91-32655
E-EG-1448-303	24	p4056	N91-32657
	24	p4056	N91-32658
EC-3075	23	p3910	N91-31827
	23	p3910	N91-31831
	23	p3911	N91-31836
	23	p3911	N91-31837
	23	p3911	N91-31838
	23	p3920	N91-31897
EEC-RI1B-0094-UK(H)	05	p0703	N91-13917
EES-333/88-11/FU-D	08	p1230	N91-16781
EMW-85-K-2202	06	p0849	N91-14686
ENW3-0044-NL	02	p0232	N91-11294
	03	p0386	N91-12152
EN3F-0014-NL(GDF)	17	p2756	N91-25255
EPA-CR-810977	09	p1349	N91-17410
EPA-CR-814637-01-0	07	p1027	N91-15639
EPA-R-813113	12	p1928	N91-20609
EPA-R-813277	05	p0686	N91-13814
EPA-66-C8-0006	09	p1359	N91-17466
EPA-68-C8-0006	15	p2459	N91-23625
EPA-68-D-80014	17	p2806	N91-25513
	17	p2806	N91-25514
EPA-68-D-80095	19	p3204	N91-27709
EPA-68-D9-0094	19	p3210	N91-27743
EPA-68-01-7365	11	p1736	N91-19546
	18	p3006	N91-26598
	19	p3188	N91-27627
	20	p3369	N91-28665
	20	p3369	N91-28666
EPA-68-01-7481	13	p2171	N91-21985
EPA-68-02-444	12	p1921	N91-20568
EPA-68-02-3889	15	p2459	N91-23625
EPA-68-02-3994	15	p2459	N91-23625
EPA-68-02-4105	09	p1370	N91-17529
EPA-68-02-4274	11	p1736	N91-19545
EPA-68-02-4286	17	p2809	N91-25528
EPA-68-02-4288	03	p0387	N91-12157
	11	p1736	N91-19549
EPA-68-02-4291	02	p0193	N91-11078
EPA-68-02-4396	11	p1736	N91-19545
EPA-68-02-4444	16	p2654	N91-24683
EPA-68-02-4450	22	p3747	N91-30882
EPA-68-02-4544	04	p0550	N91-13053
EPA-68-02-4701	02	p0193	N91-11078
EPA-68-03-3246	15	p2459	N91-23625
EPA-68-03-3249	15	p2459	N91-23625
EPA-68-03-3484	17	p2806	N91-25512
EPA-68-09-0173	11	p1736	N91-19545
EPRI PROJ. RP-3015-1	10	p1499	N91-18251
EPRI PROJ. RP-8010-09	04	p0565	N91-13135
EPRI PROJ. RP-8011-2	10	p1499	N91-18251
ERI PROJ. 1874	01	p0004	N91-10019
ESA-4791/81/NL/DK(SC)	05	p0700	N91-13897
ESA-6648/86/NL/PB	13	p2180	N91-22046
ESA-6899/86/NL(SC)	13	p2030	N91-21164
ESA-6975/86/NL/PH	03	p0327	N91-11819

ESA-7320/87/NL/PP	11	p1743	N91-19582
ESA-7627/88/NL/DG	14	p2315	N91-22786
	15	p2453	N91-23591
ESA-7898/98/NL/PB(SC)	13	p2180	N91-22046
ESA-8186/89/D/IM(SC)	14	p2218	N91-22258
ESPRIT PROJ. 3006	10	p1572	N91-18650
ESPRIT PROJ. 3011	10	p1572	N91-18650
ESTEC-7627/88/NL/DG	14	p2217	N91-22253
ESTEC-7807/88/NL	03	p0332	N91-11857
ESTEC-8058/88/NL/RE(SC)	24	p3993	N91-32311
ESTEC-8093/88/NL/SK	24	p3997	N91-32340
ESTEC-8122/88/NL/MAC	14	p2213	N91-22225
EY-75-C-02-141500	08	p1209	N91-16648
F-2006E	19	p3103	N91-27146
FAA-F2006-D	06	p0779	N91-14318
FAA-T-2001-F	06	p0857	N91-14728
FAA-T2001-F	12	p1880	N91-20337
FAA-T06039	09	p1275	N91-17011
FINEP-537/CT	13	p2183	N91-22060
FMV-82223-72-004	05	p0616	N91-13416
FMV-82250-89-156-73-001	05	p0622	N91-13448
FMV-82420-89-325-73-001	22	p3616	N91-30119
FNSRS-2.866-0.88	02	p0197	N91-11103
FY1455-86-N-0657	03	p0346	N91-11938
	03	p0347	N91-11939
FY1455-89-N-0635	12	p1878	N91-20322
	12	p1878	N91-20323
	16	p2610	N91-24453
F2006A	10	p1469	N91-18101
F04611-84-C-0028	11	p1642	N91-19059
F04611-86-C-0055	13	p2083	N91-21481
	13	p2084	N91-21482
F04611-86-C-0070	13	p2150	N91-21852
F04611-86-C-0071	13	p2151	N91-21858
F04611-86-C-0072	22	p3681	N91-30498
F04611-86-C-0088	16	p2570	N91-24245
F04611-86-K-0076	08	p1112	N91-16110
F04611-86-K-0081	06	p0827	N91-14569
F04611-87-C-0025	08	p1123	N91-16172
F04611-87-C-0026	13	p2058	N91-21329
F04611-87-C-0029	09	p1298	N91-17124
	14	p2199	N91-22140
	21	p3467	N91-29225
F04611-87-C-0062	16	p2577	N91-24283
	16	p2577	N91-24284
F04611-87-C-0072	21	p3536	N91-29647
F04611-87-K-0006	08	p1110	N91-16099
F04611-87-K-0020	07	p0986	N91-15414
F04611-87-K-0023	12	p1877	N91-20320
F04611-88-C-0014	06	p0822	N91-14545
F04611-88-C-0020	12	p1865	N91-20247
F04611-88-C-0023	13	p2151	N91-21855
F04611-89-C-0013	18	p2937	N91-26198
F04611-89-C-0023	21	p3466	N91-29224
F04611-89-C-0042	18	p2961	N91-26341
F04611-89-C-0047	08	p1111	N91-16103
F04611-89-X-0091	03	p0317	N91-11772
	03	p0317	N91-11773
F04701-86-C-0007	12	p1946	N91-20703
F04701-88-C-0089	04	p0493	N91-12739
	04	p0547	N91-13034
	04	p0610	N91-13392
	06	p0805	N91-14442
	06	p0805	N91-14444
	07	p1028	N91-15643
	07	p1072	N91-15899
	07	p1086	N91-15972
	08	p1135	N91-16248
	08	p1153	N91-16352
	08	p1154	N91-16355
	08	p1155	N91-16362
	08	p1179	N91-16489
	09	p1411	N91-17765
	12	p1873	N91-20295
	12	p1903	N91-20469
	12	p1914	N91-20527
	12	p1985	N91-20925
	13	p2033	N91-21178
	13	p2098	N91-21547
	13	p2155	N91-21878
	13	p2159	N91-21904
	14	p2236	N91-22369
	14	p2330	N91-22876
	14	p2332	N91-22882
	16	p2569	N91-24238
	16	p2570	N91-24241
	16	p2572	N91-24254
	16	p2574	N91-24264
	18	p2921	N91-26115
	18	p2933	N91-26183
	18	p2955	N91-26305
	18	p2973	N91-26415
	19	p3123	N91-27251
	19	p3163	N91-27492
	19	p3227	N91-27837
	19	p3244	N91-27941
F04701-88-C-0110	16	p2570	N91-24242
F04701-90-C-0023	24	p4055	N91-32651
F04704-90-C-0033	18	p2972	N91-26405
	19	p3167	N91-27513
F08606-89-C-0005	13	p2169	N91-21970
F08635-85-C-0122	07	p0987	N91-15417
F08635-86-K-0042	12	p1878	N91-20325
F08635-86-K-0139	05	p0715	N91-13992
F08635-87-C-0090	12	p1866	N91-20252
F08635-87-K-0031	03	p0409	N91-12283
F08635-87-K-0417	12	p1960	N91-20784
F08635-89-C-0044	03	p0381	N91-12125
F08635-89-C-0297	05	p0668	N91-13712
F08635-89-C-0354	12	p1993	N91-20970
F19628-81-C-0148	18	p2978	N91-26443
F19628-84-C-0008	05	p0725	N91-14052
F19628-84-C-0066	06	p0878	N91-14851
F19628-85-C-0002	03	p0384	N91-12143
	14	p2191	N91-22102
	19	p3104	N91-27147
F19628-85-C-0003	06	p0862	N91-14762
	07	p1052	N91-15775
	08	p1198	N91-16584
	08	p1198	N91-16585
	08	p1198	N91-16587
	08	p1199	N91-16590
	08	p1202	N91-16610
	19	p3220	N91-27800
F19628-85-C-0104	21	p3598	N91-30018
F19628-85-C-0172	06	p0831	N91-14594
F19628-85-K-0035	03	p0423	N91-12370
F19628-85-K-0043	09	p1401	N91-17715
F19628-86-C-0055	12	p1922	N91-20577
F19628-86-C-0056	12	p1854	N91-20186
F19628-86-C-0057	21	p3501	N91-29427
F19628-86-C-0059	04	p0592	N91-13307
F19628-86-C-0092	07	p1030	N91-15652
F19628-86-C-0100	08	p1229	N91-16776
F19628-86-C-0102	21	p3500	N91-29423
	21	p3500	N91-29424
F19628-86-C-0118	15	p2465	N91-23659
F19628-86-C-0147	19	p3226	N91-27831
F19628-86-K-0009	21	p3455	N91-29163
	23	p3788	N91-31121
F19628-86-K-0018	13	p2155	N91-21881
F19628-86-K-0026	12	p1923	N91-20583
	16	p2658	N91-24706
F19628-86-K-0031	12	p1888	N91-20381
F19628-86-K-0034	20	p3337	N91-28478
F19628-86-K-0037	09	p1365	N91-17502
F19628-86-K-0039	18	p3068	N91-26952
F19628-86-K-0040	21	p3466	N91-29219
F19628-87-C-0003	12	p1924	N91-20584
F19628-87-C-0031	22	p3628	N91-30190
F19628-87-C-0065	14	p2267	N91-22544
F19628-87-C-0086	06	p0874	N91-14834
F19628-87-C-0094	01	p0044	N91-10264
	12	p1835	N91-20083
F19628-87-C-0096	19	p3151	N91-27416
F19628-87-C-0100	22	p3704	N91-30617
F19628-87-C-0106	04	p0549	N91-13045
F19628-87-C-0124	16	p2659	N91-24715
F19628-87-C-0126	04	p0494	N91-12745
F19628-87-C-0127	07	p1028	N91-15644
F19628-87-C-0130	19	p3200	N91-27689
	21	p3541	N91-29671
F19628-87-C-0172	10	p1468	N91-18097
	10	p1468	N91-18098
F19628-87-C-0204	08	p1224	N91-16741
F19628-87-C-0252	19	p3199	N91-27684
F19628-87-K-0003	03	p0427	N91-12394
	04	p0549	N91-13046
F19628-87-K-0006	06	p0847	N91-14677
F19628-87-K-0012	14	p2257	N91-22482
F19628-87-K-0015	12	p1923	N91-20581
F19628-87-K-0020	08	p1176	N91-16475
F19628-87-K-0026	09	p1365	N91-17501
F19628-87-K-0031	21	p3576	N91-29885
F19628-87-K-0048	06	p0818	N91-14519
F19628-87-K-0055	03	p0417	N91-12332
F19628-88-C-0014	18	p3083	N91-27048
F19628-88-C-0018	02	p0227	N91-11268
F19628-88-C-0033	12	p1980	N91-20894
F19628-88-C-0038	21	p3542	N91-29677
F19628-88-C-0061	03	p0423	N91-12369
F19628-88-C-0070	16	p2565	N91-24219
F19628-88-C-0072	06	p0866	N91-14785
	08	p1178	N91-16488
F19628-88-C-0109	07	p1004	N91-15513
F19628-88-C-0159	14	p2286	N91-22640
F19628-88-C-0190	19	p3200	N91-27687
F19628-88-D-0020	21	p3572	N91-29863
F19628-88-D-0027	14	p2269	N91-22553
F19628-88-D-0031	22	p3726	N91-30737
	10	p1569	N91-18628
	18	p3040	N91-26783
	22	p3724	N91-30725
	22	p3724	N91-30726
	22	p3724	N91-30727
	22	p3724	N91-30728
	22	p3725	N91-30729
F19628-88-D-0032	08	p1203	N91-16617
	08	p1204	N91-16618
	08	p1204	N91-16619
	09	p1380	N91-17588
	09	p1380	N91-17589
	09	p1380	N91-17590
	09	p1380	N91-17591
	09	p1381	N91-17592
	09	p1381	N91-17593
	09	p1381	N91-17594
	09	p1381	N91-17595
	09	p1381	N91-17596
	09	p1382	N91-17597
	09	p1382	N91-17598
	09	p1382	N91-17599
	09	p1382	N91-17600
	09	p1382	N91-17601
F19628-88-K-0001	18	p3012	N91-26635
F19628-88-K-0004	18	p2975	N91-26424
	19	p3149	N91-27407
F19628-88-K-0005	13	p2122	N91-21678
F19628-88-K-0016	12	p1925	N91-20592
F19628-88-K-0018	03	p0360	N91-12019
F19628-88-K-0025	05	p0651	N91-13613
F19628-88-K-0037	19	p3199	N91-27686
F19628-88-K-0042	08	p1210	N91-16661
	09	p1392	N91-17660
	15	p2461	N91-23635
F19628-89-C-0001	04	p0474	N91-12648
	04	p0475	N91-12653
	04	p0563	N91-13123
	08	p1094	N91-16004
F19628-89-C-0003	06	p0859	N91-14742
	06	p0859	N91-14743
	19	p3220	N91-27799
	19	p3221	N91-27805
	19	p3226	N91-27830
F19628-89-C-0012	19	p3202	N91-27700
F19628-89-C-0033	08	p1177	N91-16482
F19628-89-C-0068	12	p1897	N91-20431
	19	p3108	N91-27172
F19628-89-C-0097	13	p2116	N91-21650
F19628-89-C-0099	10	p1469	N91-18099
F19628-89-C-0112	15	p2464	N91-23655
F19628-89-C-0116	14	p2342	N91-22950
F19628-89-C-0129	14	p2307	N91-22749
F19628-89-C-0174	18	p3011	N91-26630
F19628-89-C-0186	04	p0542	N91-13008
F19628-89-C-0216	19	p3236	N91-27892
F19628-89-K-0004	12	p1887	N91-20375
F19628-89-K-0010	16	p2678	N91-24821
F19628-89-K-0014	10	p1552	N91-18538
F19628-89-K-0016	16	p2679	N91-24827
	19	p3183	N91-27605
F19628-89-K-0026	18	p3012	N91-26631
F19628-89-K-0031	06	p0849	N91-14689
F19628-89-K-0040	10	p1551	N91-18531
F19628-89-0001-5420	21	p3455	N91-29162
F19628-90-C-0002	04	p0549	N91-13047
	04	p0587	N91-13279
	05	p0627	N91-13475
	06	p0912	N91-15041
	08	p1127	N91-16195
	08	p1155	N91-16361
	08	p1236	N91-16816
	09	p1324	N91-17270
	12	p1856	N91-20199
	12	p1856	N91-20200
	12	p1881	N91-20341
	12	p1882	N91-20344
	12	p1883	N91-20351
	12	p1891	N91-20399
	12	p1967	N91-20823
	12	p1989	N91-20944
	13	p2076	N91-21437
	18	p2973	N91-26410
	18	p2973	N91-26411
	18	p2973	N91-26412
	18	p2973	N91-26413
	18	p2973	N91-26414
	18	p3042	N91-26792
	18	p3042	N91-26795
	18	p3063	N91-26920
	18	p3065	N91-26933
	18	p3069	N91-26958

	19	p3150	N91-27413
	19	p3152	N91-27424
	19	p3153	N91-27430
	19	p3264	N91-28052
	21	p3598	N91-30016
	23	p3879	N91-31644
	23	p3895	N91-31743
	23	p3928	N91-31954
F19628-90-C-0003	06	p0860	N91-14748
	19	p3219	N91-27792
	19	p3219	N91-27793
	19	p3219	N91-27794
	19	p3219	N91-27795
	19	p3219	N91-27796
	19	p3220	N91-27797
	19	p3220	N91-27798
	19	p3220	N91-27801
	19	p3221	N91-27802
	19	p3221	N91-27806
	19	p3221	N91-27807
	19	p3222	N91-27808
	19	p3222	N91-27809
	19	p3222	N91-27810
	19	p3222	N91-27811
	19	p3222	N91-27812
	19	p3223	N91-27813
	19	p3223	N91-27814
	19	p3223	N91-27815
	19	p3225	N91-27824
	19	p3225	N91-27829
	19	p3227	N91-27839
	19	p3227	N91-27840
	19	p3227	N91-27841
	19	p3228	N91-27842
	19	p3228	N91-27843
	19	p3228	N91-27844
	20	p3383	N91-28742
	20	p3383	N91-28743
	20	p3383	N91-28744
	20	p3384	N91-28748
F19628-90-C-0048	18	p2935	N91-26189
F19628-90-C-0110	12	p2007	N91-21048
F19628-90-K-0003	21	p3541	N91-29676
F19628-90-K-0011	16	p2658	N91-24705
F19628-90-K-0029	18	p3012	N91-26633
	19	p3199	N91-27685
	19	p3200	N91-27690
F19629-90-C-0002	09	p1322	N91-17263
F29601-84-C-0080	06	p0816	N91-14510
	12	p1880	N91-20333
F29601-87-C-0005	04	p0522	N91-12904
F29601-87-C-0056	22	p3681	N91-30495
F29601-87-C-0069	19	p3159	N91-27464
F29601-88-C-0001	03	p0356	N91-11992
F29638-87-K-0012	18	p3011	N91-26627
F30601-87-C-0136	09	p1389	N91-17640
F30602-81-C-0169	09	p1392	N91-17661
	21	p3519	N91-29543
F30602-81-C-0185	07	p0994	N91-15456
F30602-81-C-0193	12	p1903	N91-20470
F30602-85-C-0008	04	p0571	N91-13171
	18	p3045	N91-26815
	18	p3046	N91-26816
	18	p3046	N91-26817
	18	p3046	N91-26818
	18	p3046	N91-26819
	18	p3046	N91-26820
	18	p3047	N91-26821
	18	p3047	N91-26822
	18	p3047	N91-26823
	18	p3047	N91-26824
	18	p3047	N91-26825
	18	p3047	N91-26826
	18	p3048	N91-26827
	18	p3048	N91-26828
	18	p3048	N91-26829
	18	p3048	N91-26830
	18	p3048	N91-26831
	18	p3049	N91-26832
F30602-85-C-0012	21	p3560	N91-29786
	21	p3560	N91-29787
	21	p3560	N91-29788
	21	p3560	N91-29789
F30602-85-C-0098	22	p3723	N91-30717
	22	p3723	N91-30718
	22	p3723	N91-30719
F30602-85-C-0274	15	p2414	N91-23369
	15	p2414	N91-23370
	15	p2414	N91-23371
F30602-85-C-0313	04	p0520	N91-12894
F30602-86-C-0014	16	p2689	N91-24889
F30602-86-C-0074	12	p1958	N91-20769
F30602-86-C-0172	16	p2620	N91-24508
F30602-86-C-0195	08	p1198	N91-16583
F30602-87-C-0100	08	p1153	N91-16353
F30602-87-C-0101	09	p1385	N91-17617
F30602-87-C-0104	09	p1385	N91-17616
	09	p1385	N91-17618
F30602-87-C-0133	08	p1199	N91-16588
F30602-87-C-0138	12	p1990	N91-20956
F30602-87-C-0193	06	p0822	N91-14543
F30602-87-D-0086	05	p0700	N91-13901
	08	p1202	N91-16608
	08	p1202	N91-16609
F30602-87-D-0087	12	p1965	N91-20810
F30602-87-D-0093	18	p2976	N91-26429
F30602-87-D-0094	18	p3045	N91-26814
	19	p3221	N91-27804
F30602-88-C-0012	12	p1853	N91-20185
F30602-88-C-0031	12	p1964	N91-20805
F30602-88-C-0052	21	p3505	N91-29451
F30602-88-C-0081	19	p3171	N91-27535
F30602-88-C-0124	09	p1340	N91-17358
F30602-88-C-0135	04	p0560	N91-13108
F30602-88-C-0142	21	p3603	N91-30048
F30602-88-D-0025	03	p0361	N91-12022
	03	p0418	N91-12339
	09	p1390	N91-17647
	14	p2257	N91-22483
	14	p2341	N91-22943
	18	p2976	N91-26430
	18	p3066	N91-26940
	19	p3152	N91-27426
	19	p3234	N91-27883
F30602-88-D-0026	03	p0361	N91-12022
	05	p0651	N91-13612
	08	p1201	N91-16604
	15	p2508	N91-23901
	16	p2670	N91-24780
	18	p3045	N91-26811
	19	p3225	N91-27828
	19	p3245	N91-27949
	21	p3553	N91-29740
F30602-88-D-0027	03	p0419	N91-12343
	04	p0583	N91-13250
	05	p0647	N91-13589
	05	p0651	N91-13614
	08	p1129	N91-16207
	08	p1129	N91-16208
	08	p1129	N91-16209
	08	p1203	N91-16615
	13	p2077	N91-21440
	15	p2413	N91-23365
	18	p2974	N91-26422
	18	p3037	N91-26763
	18	p3064	N91-26927
	19	p3151	N91-27415
	19	p3218	N91-27787
	20	p3333	N91-28458
	21	p3506	N91-29463
	23	p3857	N91-31505
F30602-88-D-0028	03	p0359	N91-12008
	08	p1135	N91-16245
	12	p1980	N91-20892
	13	p2162	N91-21922
	15	p2434	N91-23485
	19	p3120	N91-27236
	19	p3150	N91-27409
	19	p3243	N91-27935
F30602-89-C-0089	19	p3246	N91-27955
F30602-89-C-0169	19	p3159	N91-27463
F30602-89-D-0028	16	p2619	N91-24502
F33601-89-C-0045	16	p2547	N91-24112
F33615-82-C-5036	08	p1199	N91-16591
F33615-83-C-2330	08	p1149	N91-16328
	08	p1149	N91-16330
F33615-83-C-3603	15	p2371	N91-23120
F33615-83-D-0602	04	p0552	N91-13061
F33615-84-C-0059	07	p1048	N91-15754
F33615-84-C-0519	14	p2305	N91-22734
F33615-84-C-1517	06	p0818	N91-14517
F33615-84-C-2411	03	p0344	N91-11929
F33615-84-C-3607	04	p0486	N91-12700
F33615-84-K-1520	03	p0397	N91-12204
F33615-85-C-0530	12	p1933	N91-20639
F33615-85-C-0535	18	p3036	N91-26756
F33615-85-C-1812	19	p3230	N91-27853
F33615-85-C-2503	06	p0830	N91-14589
F33615-85-C-2550	19	p3144	N91-27379
F33615-85-C-2562	14	p2243	N91-22405
	14	p2243	N91-22406
F33615-85-C-2588	19	p3164	N91-27499
F33615-85-C-3208	12	p1914	N91-20526
F33615-85-C-3613	04	p0484	N91-12694
F33615-85-C-4503	13	p2128	N91-21710
F33615-85-C-4512	22	p3715	N91-30679
F33615-85-C-5029	07	p0979	N91-15374
F33615-85-C-5111	06	p0785	N91-14351
F33615-85-C-5122	07	p1049	N91-15759
	07	p1052	N91-15777
	08	p1199	N91-16591
	08	p1200	N91-16594
	09	p1380	N91-17586
F33615-85-C-5145	14	p2276	N91-22590
F33615-85-C-5167	05	p0636	N91-13524
F33615-86-C-0530	03	p0390	N91-12173
	04	p0546	N91-13029
F33615-86-C-0545	19	p3234	N91-27884
F33615-86-C-0549	14	p2256	N91-22477
F33615-86-C-1050	19	p3230	N91-27856
F33615-86-C-2171	07	p1048	N91-15753
F33615-86-C-2609	12	p1877	N91-20319
F33615-86-C-2646	08	p1149	N91-16327
F33615-86-C-2695	21	p3459	N91-29183
F33615-86-C-2720	06	p0823	N91-14546
F33615-86-C-2721	03	p0321	N91-11792
F33615-86-C-2723	09	p1331	N91-17312
F33615-86-C-3216	05	p0628	N91-13477
	05	p0628	N91-13478
	06	p0792	N91-14375
F33615-86-C-3414	18	p2924	N91-26133
	19	p3245	N91-27947
F33615-86-C-3601	04	p0481	N91-12680
F33615-86-C-3626	06	p0776	N91-14304
F33615-86-C-5013	18	p2953	N91-26295
F33615-86-C-5016	11	p1718	N91-19460
F33615-86-C-5031	03	p0335	N91-11881
F33615-86-C-5037	21	p3481	N91-29309
F33615-86-C-5064	16	p2601	N91-24414
F33615-86-C-5071	16	p2589	N91-24351
F33615-86-C-5091	21	p3519	N91-29546
F33615-86-C-5139	14	p2246	N91-22424
F33615-86-D-3800	04	p0471	N91-12639
F33615-86-K-1023	12	p1882	N91-20348
	12	p1882	N91-20349
	12	p1883	N91-20350
F33615-87-C-0001	18	p3041	N91-26786
F33615-87-C-0012	03	p0394	N91-12192
F33615-87-C-0534	08	p1218	N91-16708
F33615-87-C-0604	03	p0395	N91-12198
F33615-87-C-0607	05	p0694	N91-13864
F33615-87-C-0608	19	p3211	N91-27752
F33615-87-C-0610	18	p3021	N91-26677
F33615-87-C-1436	16	p2673	N91-24794
F33615-87-C-1454	13	p2140	N91-21782
F33615-87-C-1499	07	p1024	N91-15623
	07	p1025	N91-15624
	12	p1969	N91-20832
	19	p3220	N91-27801
F33615-87-C-2714	14	p2248	N91-22438
F33615-87-C-2737	18	p3058	N91-26892
F33615-87-C-2739	21	p3459	N91-29186
F33615-87-C-2754	03	p0388	N91-12161
F33615-87-C-2755	14	p2195	N91-22125
F33615-87-C-2793	19	p3106	N91-27161
F33615-87-C-2804	11	p1667	N91-19186
	22	p3637	N91-30240
F33615-87-C-2821	13	p2014	N91-21080
	13	p2014	N91-21081
F33615-87-C-3223	04	p0479	N91-12673
F33615-87-C-3604	21	p3452	N91-29148
F33615-87-C-3615	15	p2375	N91-23144
F33615-87-C-3616	16	p2547	N91-24113
	16	p2547	N91-24114
	16	p2547	N91-24115
F33615-87-C-5239	19	p3118	N91-27226
	19	p3180	N91-27585
F33615-87-C-5247	03	p0335	N91-11882
F33615-87-D-0601	18	p3032	N91-26738
F33615-87-D-0609	09	p1372	N91-17541
F33615-87-D-0627	13	p2183	N91-22061
	18	p3030	N91-26726
F33615-87-D-0650	15	p2430	N91-23459
F33615-87-K-1470	07	p1055	N91-15794
F33615-88-C-0003	13	p2131	N91-21734
F33615-88-C-0004	08	p1198	N91-16586
	14	p2341	N91-22942
F33615-88-C-0015	19	p3213	N91-27761
	19	p3218	N91-27789
F33615-88-C-0541	15	p2400	N91-23289
F33615-88-C-1861	19	p3253	N91-27998
F33615-88-C-2820	03	p0367	N91-12055
F33615-88-C-2821	06	p0826	N91-14566
F33615-88-C-2823	03	p0314	N91-11756
F33615-88-C-2845	11	p1667	N91-19188
F33615-88-C-2847	22	p3637	N91-30240
F33615-88-C-2908	15	p2366	N91-23093
	18	p2995	N91-26541
F33615-88-C-3011	04	p0470	N91-12634
F33615-88-C-3601	03	p0409	N91-12286
F33615-88-C-3603	04	p0572	N91-13177
F33615-88-C-3604	03	p0410	N91-12290
F33615-88-C-3605	21	p3563	N91-29806
F33615-88-C-5404	07	p0969	N91-15322
	18	p2996	N91-26548
F33615-88-C-5411	07	p0979	N91-15375
F33615-88-C-5415	11	p1667	N91-19185
F33615-88-C-5423	05	p0724	N91-14041

F33615-88-C-5437	08	p1115	N91-16124
	15	p2403	N91-23307
F33615-88-C-5448	06	p0806	N91-14450
F33615-88-C-5478	21	p3470	N91-29242
F33615-88-C-5504	14	p2271	N91-22564
F33615-88-C-5509	18	p2942	N91-26228
F33615-89-C-0006	22	p3726	N91-30735
F33615-89-C-0532	13	p2128	N91-21716
	13	p2129	N91-21718
F33615-89-C-0603	18	p3056	N91-26881
F33615-89-C-1848	08	p1204	N91-16622
F33615-89-C-2900	11	p1666	N91-19184
F33615-89-C-2932	03	p0347	N91-11942
F33615-89-C-2935	16	p2568	N91-24235
F33615-89-C-2942	08	p1159	N91-16382
F33615-89-C-3213	08	p1115	N91-16125
F33615-89-C-3402	22	p3690	N91-30543
F33615-89-C-3403	03	p0367	N91-12054
F33615-89-C-3606	21	p3564	N91-29808
F33615-89-C-3608	12	p1843	N91-20132
F33615-89-C-3610	13	p2132	N91-21735
F33615-89-C-5614	16	p2590	N91-24355
F33615-89-C-5628	19	p3120	N91-27235
F33615-89-C-5647	04	p0474	N91-12647
F33615-89-C-5648	07	p0970	N91-15323
F33615-89-C-5708	22	p3766	N91-30992
F33615-90-C-0005	12	p1956	N91-20759
	12	p1970	N91-20835
F33615-90-C-2060	22	p3634	N91-30221
F33615-90-C-2068	21	p3581	N91-29920
F33615-91-C-2144	22	p3633	N91-30218
F33657-87-C-2214	15	p2380	N91-23173
F36615-85-C-1755	07	p1038	N91-15696
F40600-85-C-0020	13	p2090	N91-21501
F40600-85-C-0026	13	p2026	N91-21142
	19	p3102	N91-27137
F41622-89-C-0018	12	p1997	N91-20993
F41689-88-D-0251	22	p3726	N91-30736
	22	p3747	N91-30881
F42600-86-D-0093	16	p2576	N91-24275
F49620-84-C-0065	12	p1829	N91-20049
F49620-85-C-0013	06	p0865	N91-14782
	18	p2937	N91-26197
F49620-85-C-0027	13	p2012	N91-21068
F49620-85-C-0042	06	p0812	N91-14487
F49620-85-C-0080	14	p2264	N91-22523
F49620-85-C-0089	19	p3164	N91-27498
F49620-85-C-0144	04	p0573	N91-13180
	04	p0573	N91-13182
	04	p0576	N91-13206
	04	p0577	N91-13207
	04	p0577	N91-13208
	04	p0578	N91-13216
	15	p2496	N91-23826
	18	p3053	N91-26860
F49620-85-K-0018	15	p2490	N91-23787
F49620-85-K-0019	07	p0985	N91-15404
F49620-86-C-0008	18	p2926	N91-26143
	19	p3219	N91-27791
F49620-86-C-0090	15	p2429	N91-23453
F49620-86-C-0111	06	p0866	N91-14787
F49620-86-C-0113	14	p2243	N91-22407
F49620-86-C-0117	07	p1069	N91-15880
F49620-86-C-0131	05	p0695	N91-13869
F49620-86-K-0016	05	p0631	N91-13496
F49620-87-C-0013	12	p1929	N91-20613
	12	p1929	N91-20614
F49620-87-C-0016	05	p0726	N91-14054
F49620-87-C-0017	12	p1862	N91-20229
F49620-87-C-0036	09	p1332	N91-17318
F49620-87-C-0042	08	p1120	N91-16156
F49620-87-C-0043	15	p2509	N91-23904
F49620-87-C-0044	06	p0880	N91-14863
F49620-87-C-0047	06	p0855	N91-14718
F49620-87-C-0052	04	p0589	N91-13289
F49620-87-C-0054	08	p1164	N91-16409
F49620-87-C-0055	06	p0822	N91-14541
F49620-87-C-0056	15	p2510	N91-23907
F49620-87-C-0061	12	p1982	N91-20907
F49620-87-C-0065	13	p2083	N91-21480
F49620-87-C-0072	16	p2683	N91-24853
F49620-87-C-0074	13	p2131	N91-21732
F49620-87-C-0078	05	p0628	N91-13479
F49620-87-C-0081	22	p3646	N91-30293
F49620-87-C-0092	12	p1872	N91-20290
F49620-87-C-0093	15	p2407	N91-23327
F49620-87-C-0097	18	p3059	N91-26897
F49620-87-C-0100	18	p2965	N91-26364
F49620-87-C-0101	14	p2249	N91-22444
F49620-87-C-0103	17	p2739	N91-25160
F49620-87-C-0104	15	p2518	N91-23961
F49620-87-C-0106	21	p3595	N91-29998
F49620-87-C-0108	21	p3465	N91-29214
F49620-87-C-0113	04	p0572	N91-13179
F49620-87-C-0116	24	p3965	N91-32155
F49620-87-C-0117	22	p3755	N91-30934
F49620-87-K-0001	01	p0022	N91-10129
	09	p1303	N91-17150
F49620-87-K-0007	16	p2657	N91-24701
F49620-87-K-0008	09	p1333	N91-17319
F49620-87-K-0011	18	p2949	N91-26276
F49620-87-K-00001	12	p1985	N91-20923
F49620-88-C-0002	18	p3032	N91-26740
F49620-88-C-0003	18	p2922	N91-26119
F49620-88-C-0004	18	p3070	N91-26965
F49620-88-C-0007	18	p2949	N91-26273
F49620-88-C-0011	21	p3532	N91-29626
F49620-88-C-0013	21	p3538	N91-29658
F49620-88-C-0016	18	p3021	N91-26678
F49620-88-C-0017	19	p3118	N91-27228
F49620-88-C-0018	19	p3174	N91-27548
F49620-88-C-0021	16	p2601	N91-24411
F49620-88-C-0025	14	p2317	N91-22798
F49620-88-C-0027	18	p3064	N91-26929
F49620-88-C-0028	04	p0514	N91-12858
F49620-88-C-0035	18	p3070	N91-26961
F49620-88-C-0036	18	p2997	N91-26549
F49620-88-C-0037	08	p1158	N91-16381
F49620-88-C-0039	16	p2695	N91-24920
F49620-88-C-0041	19	p3106	N91-27162
F49620-88-C-0042	15	p2509	N91-23903
F49620-88-C-0046	05	p0665	N91-13696
F49620-88-C-0048	18	p2951	N91-26283
F49620-88-C-0053	16	p2676	N91-24814
	19	p3264	N91-28053
F49620-88-C-0054	06	p0880	N91-14864
F49620-88-C-0055	08	p1230	N91-16779
F49620-88-C-0061	06	p0778	N91-14315
F49620-88-C-0062	04	p0497	N91-12761
F49620-88-C-0067	12	p1893	N91-20410
F49620-88-C-0068	18	p2966	N91-26373
F49620-88-C-0069	19	p3121	N91-27240
F49620-88-C-0078	09	p1318	N91-17238
F49620-88-C-0081	12	p1874	N91-20298
F49620-88-C-0084	12	p1988	N91-20940
F49620-88-C-0092	18	p2990	N91-26509
F49620-88-C-0094	22	p3748	N91-30895
F49620-88-C-0098	18	p2984	N91-26477
F49620-88-C-0102	18	p3067	N91-26942
F49620-88-C-0106	12	p1986	N91-20929
F49620-88-C-0112	09	p1327	N91-17292
F49620-88-C-0120	13	p2093	N91-21523
F49620-88-C-0122	05	p0640	N91-13552
F49620-88-C-0123	19	p3246	N91-27951
F49620-88-C-0131	18	p2999	N91-26564
F49620-88-K-0003	15	p2399	N91-23286
F49620-88-K-0005	19	p3249	N91-27973
F49620-88-K-0006	19	p3172	N91-27536
F49620-88-K-0008	15	p2477	N91-23715
F49620-88-K-0009	14	p2331	N91-22878
F49620-89-C-0001	12	p1989	N91-20947
F49620-89-C-0009	21	p3475	N91-29274
F49620-89-C-0013	10	p1535	N91-18451
F49620-89-C-0015	22	p3727	N91-30744
F49620-89-C-0023	10	p1499	N91-18251
F49620-89-C-0027	12	p1874	N91-20299
F49620-89-C-0029	14	p2196	N91-22130
F49620-89-C-0031	18	p2964	N91-26359
F49620-89-C-0032	16	p2647	N91-24658
F49620-89-C-0038	12	p1922	N91-20576
F49620-89-C-0042	04	p0501	N91-12784
F49620-89-C-0043	06	p0792	N91-14377
F49620-89-C-0044	04	p0520	N91-12893
	12	p1893	N91-20413
F49620-89-C-0048	21	p3500	N91-29426
F49620-89-C-0049	14	p2227	N91-22319
F49620-89-C-0055	12	p1967	N91-20826
F49620-89-C-0064	18	p2999	N91-26565
F49620-89-C-0066	18	p2941	N91-26226
F49620-89-C-0069	09	p1327	N91-17291
F49620-89-C-0073	21	p3490	N91-29368
F49620-89-C-0078	18	p2964	N91-26358
F49620-89-C-0082	14	p2228	N91-22325
F49620-89-C-0084	09	p1285	N91-17064
F49620-89-C-0096	13	p2016	N91-21090
F49620-89-C-0106	09	p1406	N91-17738
F49620-89-C-0108	15	p2518	N91-23957
F49620-89-C-0109	07	p1052	N91-15778
F49620-89-C-0114	21	p3528	N91-29597
F49620-89-C-0115	07	p1055	N91-15793
F49620-89-C-0126	16	p2680	N91-24840
F49620-89-C-0130	14	p2233	N91-22354
F49620-89-K-0001	12	p1966	N91-20820
F49620-89-K-0003	19	p3133	N91-27313
F49620-89-K-0005	08	p1208	N91-16643
F49620-90-C-0001	04	p0497	N91-12758
F49620-90-C-0004	12	p1829	N91-20054
F49620-90-C-0017	21	p3557	N91-29768
F49620-90-C-0020	15	p2492	N91-23798
F49620-90-C-0029	16	p2620	N91-24503
F49620-90-C-0037	16	p2621	N91-24512
F49620-90-C-0040	16	p2657	N91-24700
F49620-90-C-0045	19	p3171	N91-27532
F49620-90-C-0048	15	p2409	N91-23336
F49620-90-C-0054	18	p3070	N91-26962
F49620-90-C-0055	18	p3065	N91-26934
F49620-90-C-0056	15	p2509	N91-23905
F49620-90-C-0057	18	p3015	N91-26650
F49620-90-C-0059	19	p3181	N91-27590
F49620-90-C-0061	18	p3074	N91-26989
F49620-90-C-0062	22	p3760	N91-30958
F49620-90-C-0063	15	p2477	N91-23716
F49620-90-C-0068	21	p3599	N91-30023
F49620-90-C-0082	22	p3683	N91-30505
F49620-91-C-0003	19	p3109	N91-27176
F49628-85-C-0144	04	p0577	N91-13209
F49629-85-C-0147	04	p0507	N91-12817
F62400-90-0034	05	p0669	N91-13720
F96289-90-C-0003	19	p3221	N91-27803
F98635-87-C-0130	04	p0512	N91-12844
F729601-88-C-0025	06	p0794	N91-14388
G-GU-2789-303	24	p4055	N91-32655
GA PROJ. 3466	05	p0667	N91-13705
	05	p0667	N91-13706
	05	p0721	N91-14022
	05	p0721	N91-14023
	05	p0721	N91-14024
	05	p0721	N91-14025
	06	p0876	N91-14846
	06	p0877	N91-14847
	09	p1401	N91-17710
GA PROJ. 3850	03	p0422	N91-12362
GR/E/10357	07	p1060	N91-15829
GRI PROJ. 8059	16	p2654	N91-24682
GRI-5083-242-0930	19	p3177	N91-27563
GRI-5083-251-1000	21	p3528	N91-29601
GRI-5084-233-1057	16	p2651	N91-24674
GRI-5084-238-1302	24	p3970	N91-32178
GRI-5084-251-1101	03	p0371	N91-12081
GRI-5084-271-0987	14	p2268	N91-22550
GRI-5084-293-1135	09	p1321	N91-17252
	13	p2068	N91-21389
GRI-5085-260-1152	22	p3752	N91-30917
GRI-5085-293-1179	17	p2782	N91-25394
GRI-5086-233-1442	19	p3177	N91-27564
GRI-5086-234-1323	09	p1308	N91-17175
GRI-5086-245-1265	17	p2779	N91-25379
GRI-5086-260-1244	17	p2755	N91-25251
GRI-5086-260-1249	24	p3972	N91-32190
GRI-5086-260-1308	22	p3648	N91-30304
GRI-5086-260-1313	22	p3648	N91-30302
	22	p3648	N91-30303
GRI-5086-260-1326	24	p3972	N91-32191
GRI-5086-260-1340	01	p0046	N91-10273
GRI-5086-260-1398	24	p4039	N91-32570
GRI-5086-260-1404	05	p0633	N91-13507
GRI-5086-260-1415	19	p3128	N91-27282
GRI-5086-260-1424	01	p0024	N91-10140
GRI-5086-260-1458	19	p3177	N91-27566
GRI-5086-293-1416	17	p2806	N91-25511
GRI-5086-293-1663	15	p2397	N91-23272
GRI-5087-233-1461	15	p2409	N91-23338
GRI-5087-233-1578	16	p2654	N91-24682
GRI-5087-233-1616	15	p2520	N91-23964
GRI-5087-234-1580	16	p2597	N91-24392
GRI-5087-260-1443	09	p1308	N91-17176
GRI-5087-260-1444	13	p2047	N91-21262
GRI-5087-260-1467	09	p1309	N91-17182
GRI-5087-260-1473	01	p0021	N91-10123
GRI-5087-260-1534	09	p1327	N91-17286
GRI-5087-260-1535	02	p0209	N91-11170
GRI-5087-260-1596	09	p1307	N91-17172
GRI-5087-260-1613	24	p4044	N91-32594
GRI-5087-293-1565	18	p2993	N91-26529
GRI-5087-298-1508	15	p2408	N91-23332
GRI-5088-235-1726	19	p3162	N91-27483
GRI-5088-260-1686	01	p0040	N91-10235
GRI-5088-260-1688	17	p2758	N91-25266
GRI-5088-260-1692	11	p1681	N91-19264
GRI-5088-293-1729	22	p3668	N91-30424
GRI-5089-260-1779	09	p1307	N91-17173
GRI-5089-260-1780	09	p1318	N91-17236
GRI-5089-260-1808	17	p2758	N91-25265
GRI-5089-260-1824	01	p0063	N91-10381
GRI-5089-260-1839	17	p2756	N91-25253
GRI-5089-260-1874	19	p3166	N91-27505
GRI-5089-291-1846	18	p2993	N91-26530
GRI-5089-292-1813	09	p1345	N91-17389
GRI-5089-294-1795	23	p3879	N91-31645
GS-14-08-0001-G1101	06	p0849	N91-14686
GS-14-08-0001-G1482	10	p1499	N91-18251
GTRI PROJ. A-3575	22	p3699	N91-30594
GTRI PROJ. A-8013	18	p3016	N91-26655
GTRI PROJ. E-16-662	19	p3165	N91-27503
HNFSR-1808	23	p3922	N91-31916
IOP-TK-86-A035	14	p2250	N91-22452
IRAD-PD-189	16	p2573	N91-24260
JPL-95722	07	p1053	N91-15783

	07	p1053	N91-15784
JPL-953618	17	p2916	N91-26099
JPL-956415	02	p0167	N91-10968
JPL-957254	09	p1443	N91-17958
JPL-957723	02	p0293	N91-11642
	24	p4123	N91-33043
JPL-957887	17	p2916	N91-26099
JPL-958121	22	p3705	N91-30619
JPL-958122	22	p3705	N91-30619
JPL-958292	19	p3274	N91-28111
LBL-455610	02	p0205	N91-11149
LBL-4539610	01	p0038	N91-10223
LBL-4559910	01	p0030	N91-10177
MAP-HANDBOOK-30	18	p3009	N91-26613
MAP-HANDBOOK-31	19	p3188	N91-27632
MDA903-38-C-0031	10	p1564	N91-18602
MDA903-81-C-0335	09	p1373	N91-17547
	13	p2130	N91-21727
MDA903-82-C-0055	03	p0429	N91-12400
MDA903-83-C-0173	03	p0356	N91-11990
	04	p0513	N91-12854
MDA903-83-C-0198	04	p0561	N91-13112
	04	p0561	N91-13113
	04	p0564	N91-13129
MDA903-83-K-0255	06	p0855	N91-14722
	06	p0867	N91-14796
	06	p0885	N91-14889
MDA903-84-C-0031	09	p1371	N91-17535
MDA903-84-C-0355	04	p0570	N91-13166
MDA903-84-C-2017	06	p0855	N91-14721
MDA903-85-C-0139	08	p1239	N91-16830
	12	p1997	N91-20994
	16	p2669	N91-24767
	19	p3261	N91-28034
MDA903-85-C-0169	12	p1930	N91-20623
MDA903-85-C-0324	04	p0552	N91-13060
	04	p0555	N91-13076
MDA903-85-C-0327	04	p0602	N91-13351
MDA903-85-K-0179	04	p0531	N91-12949
MDA903-85-K-0366	06	p0884	N91-14888
MDA903-86-C-0059	19	p3219	N91-27791
MDA903-86-C-0142	23	p3901	N91-31772
MDA903-86-C-0143	04	p0568	N91-13148
	09	p1385	N91-17620
	14	p2340	N91-22941
MDA903-86-C-0149	23	p3863	N91-31542
MDA903-86-C-0210	12	p1932	N91-20632
MDA903-86-C-0298	03	p0397	N91-12208
MDA903-86-C-0345	04	p0561	N91-13115
	08	p1242	N91-16844
MDA903-86-K-0155	23	p3901	N91-31773
MDA903-86-K-0265	06	p0867	N91-14795
	06	p0867	N91-14797
MDA903-87-C-0037	13	p2142	N91-21792
MDA903-87-C-0056	08	p1199	N91-16592
	08	p1199	N91-16593
	08	p1201	N91-16603
MDA903-87-C-0523	03	p0397	N91-12206
	04	p0487	N91-12709
	09	p1373	N91-17545
	18	p3036	N91-26757
	22	p3720	N91-30703
MDA903-87-C-0652	04	p0561	N91-13114
MDA903-87-D-0056	03	p0317	N91-11774
MDA903-87-K-0652	06	p0860	N91-14750
MDA903-88-C-0031	08	p1195	N91-16567
	11	p1812	N91-19952
MDA903-89-C-0003	04	p0463	N91-12588
	09	p1380	N91-17587
	09	p1422	N91-17831
	13	p2163	N91-21931
	14	p2233	N91-22356
	14	p2256	N91-22479
	18	p3038	N91-26770
	18	p3039	N91-26773
	19	p3145	N91-27383
	19	p3259	N91-28024
	21	p3504	N91-29449
	21	p3538	N91-29660
	23	p3915	N91-31862
MDA903-89-C-0134	23	p3901	N91-31774
MDA903-89-K-0074	08	p1195	N91-16567
	11	p1812	N91-19952
MDA903-90-C-0004	19	p3219	N91-27791
	19	p3231	N91-27859
MDA903-90-C-0006	12	p1827	N91-20041
	12	p1999	N91-21001
	14	p2339	N91-22935
MDA905-89-C-0014	15	p2475	N91-23707
MDA972-88-C-0024	01	p0109	N91-10633
	08	p1207	N91-16622
MDA972-88-J-1002	14	p2330	N91-22871
MDA972-88-J-1006	01	p0133	N91-10783
	08	p1234	N91-16800
	09	p1311	N91-17196
	24	p4108	N91-32958
MDA972-88-K-0008	03	p0425	N91-12379
	03	p0425	N91-12380
	04	p0506	N91-12811
	04	p0506	N91-12812
MDA972-89-C-0034	02	p0264	N91-11480
	02	p0264	N91-11481
	02	p0264	N91-11482
MDA972-90-C-0022	12	p1952	N91-20740
MDA972-90-C-0045	21	p3505	N91-29452
MDA972-90-C-0046	21	p3581	N91-29922
MIP-8657531	19	p3232	N91-27870
MIPR-ARO-137-86	09	p1272	N91-16993
MIPR-EY-7483-89-0007	10	p1461	N91-18060
MIPR-FY-88-N0655	07	p1007	N91-15531
MIPR-FY1455-88-N051	19	p3253	N91-27999
MIPR-FY1455-88-N065	21	p3575	N91-29881
MIPR-FY1456-8905052	04	p0478	N91-12667
MIPR-F04611-87-X-0059	15	p2408	N91-23335
MIPR-F04611-88-C-0067	15	p2408	N91-23335
MIPR-F04611-90-X-0057	15	p2391	N91-23236
MIPR-W31RPD-0-D4074	10	p1528	N91-18415
MIPR-88-00037	14	p2207	N91-22186
MIPR-133-90	15	p2391	N91-23235
MMS-14-12-0001-30312	09	p1369	N91-17523
	09	p1369	N91-17524
NAC-817	13	p2014	N91-21078
NADC PROJ. RS-3-4-A50	20	p3314	N91-28343
NADC PROJ. RS-3-4-H20	23	p3907	N91-31808
NAGW-17	11	p1816	N91-19973
NAGW-91	05	p0752	N91-14190
	09	p1405	N91-17731
NAGW-112	09	p1440	N91-17941
NAGW-176	14	p2346	N91-22974
NAGW-185	14	p2346	N91-22972
NAGW-235	10	p1551	N91-18532
NAGW-247	12	p2005	N91-21037
	17	p2902	N91-26029
NAGW-319	09	p1448	N91-17991
NAGW-398	14	p2345	N91-22968
NAGW-421	02	p0286	N91-11605
NAGW-496	06	p0915	N91-15045
NAGW-533	13	p2182	N91-22057
	22	p3775	N91-31053
NAGW-547	12	p2005	N91-21034
	17	p2897	N91-26014
NAGW-637	09	p1310	N91-17191
NAGW-642	17	p2893	N91-25993
NAGW-674	05	p0657	N91-13651
	13	p2025	N91-21139
NAGW-733	06	p0839	N91-14638
NAGW-749	06	p0893	N91-14936
NAGW-766	05	p0750	N91-14180
NAGW-777	03	p0440	N91-12461
NAGW-778	03	p0440	N91-12461
NAGW-799	11	p1725	N91-19497
NAGW-856	01	p0017	N91-10101
NAGW-903	17	p2894	N91-25998
NAGW-909	03	p0444	N91-12480
NAGW-925	15	p2490	N91-23786
	15	p2495	N91-23821
	16	p2667	N91-24754
NAGW-951	13	p2079	N91-21452
NAGW-975	12	p1935	N91-20648
	12	p1937	N91-20655
NAGW-0097	05	p0690	N91-13841
NAGW-0908	02	p0241	N91-11342
NAGW-1009	05	p0757	N91-14211
	08	p1264	N91-16960
	14	p2344	N91-22959
NAGW-1034	21	p3534	N91-29636
NAGW-1039	10	p1622	N91-18946
NAGW-1054	19	p3191	N91-27646
NAGW-1067	07	p1085	N91-15968
	22	p3775	N91-31057
NAGW-1072	23	p3782	N91-31083
NAGW-1077	05	p0766	N91-14254
NAGW-1103	06	p0909	N91-15021
NAGW-1130	12	p2001	N91-21012
NAGW-1142	06	p0843	N91-14655
NAGW-1144	17	p2895	N91-25999
NAGW-1169	14	p2284	N91-22628
NAGW-1175	07	p1022	N91-15612
	12	p1879	N91-20329
	12	p1879	N91-20330
	12	p1880	N91-20331
	12	p1936	N91-20651
	12	p1937	N91-20654
	12	p1939	N91-20669
	19	p3175	N91-27554
NAGW-1198	02	p0252	N91-11396
NAGW-1210	17	p2916	N91-26099
NAGW-1228	14	p2353	N91-23013
NAGW-1231	05	p0684	N91-13807
NAGW-1247	19	p3265	N91-28059
NAGW-1286	10	p1624	N91-18959
NAGW-1292	23	p3893	N91-31723
NAGW-1295	20	p3443	N91-29107
NAGW-1321	09	p1428	N91-17860
	10	p1617	N91-18918
	20	p3402	N91-28858
NAGW-1324	06	p0930	N91-15115
NAGW-1330	05	p0626	N91-13470
NAGW-1331	08	p1095	N91-16008
	12	p1832	N91-20065
NAGW-1332	17	p2902	N91-26029
NAGW-1336	19	p3274	N91-28111
NAGW-1340	01	p0117	N91-10695
	05	p0713	N91-13976
	09	p1428	N91-17860
	10	p1617	N91-18918
	10	p1618	N91-18919
	14	p2347	N91-22981
	14	p2347	N91-22982
	15	p2529	N91-24015
	15	p2529	N91-24016
	16	p2684	N91-24865
	16	p2684	N91-24866
	16	p2685	N91-24867
	16	p2685	N91-24868
	16	p2685	N91-24869
	16	p2697	N91-24933
	16	p2697	N91-24934
	20	p3402	N91-28858
	20	p3443	N91-29108
	20	p3443	N91-29109
	20	p3444	N91-29110
	20	p3444	N91-29112
	20	p3444	N91-29113
	22	p3752	N91-30916
	22	p3773	N91-31043
	22	p3776	N91-31060
NAGW-1346	22	p3777	N91-31067
NAGW-1364	09	p1433	N91-17894
NAGW-1377	07	p1036	N91-15682
NAGW-1378	18	p3088	N91-27072
NAGW-1381	12	p1864	N91-20241
NAGW-1401	05	p0629	N91-13484
NAGW-1404	06	p0915	N91-15045
NAGW-1410	14	p2345	N91-22963
NAGW-1415	14	p2282	N91-22619
NAGW-1470	17	p2892	N91-25988
	17	p2894	N91-25996
NAGW-1472	09	p1354	N91-17438
	10	p1538	N91-18466
	14	p2280	N91-22608
NAGW-1477	12	p2002	N91-21017
	12	p2003	N91-21022
NAGW-1488	06	p0918	N91-15064
NAGW-1490	13	p2181	N91-22053
NAGW-1504	24	p4123	N91-33042
NAGW-1529	11	p1758	N91-19670
NAGW-1540	23	p3929	N91-31957
NAGW-1549	17	p2893	N91-25991
	17	p2893	N91-25992
	17	p2893	N91-25994
NAGW-1562	09	p1402	N91-17716
NAGW-1566	09	p1405	N91-17730
	10	p1551	N91-18531
NAGW-1567	09	p1322	N91-17259
NAGW-1570	03	p0419	N91-12344
NAGW-1581	01	p0124	N91-10734
NAGW-1587	09	p1405	N91-17731
NAGW-1617	06	p0839	N91-14635
	19	p3183	N91-27604
NAGW-1682	10	p1613	N91-18898
NAGW-1727	02	p0235	N91-11311
NAGW-1736	11	p1665	N91-19173
NAGW-1751	10	p1593	N91-18791
NAGW-1760	09	p1344	N91-17382
NAGW-1779	03	p0387	N91-12156
NAGW-1782	02	p0288	N91-11619
NAGW-1809	13	p2018	N91-21101
NAGW-1835	22	p3702	N91-30607
NAGW-1907	07	p1082	N91-15954
	07	p1082	N91-15955
NAGW-1915	22	p3726	N91-30738
NAGW-1937	05	p0766	N91-14254
NAGW-1974	17	p2895	N91-26000
NAGW-1984	23	p3855	N91-31492
NAGW-2022	06	p0931	N91-15117
	24	p4123	N91-33046
NAGW-2023	16	p2705	N91-24970
NAGW-2040	14	p2343	N91-22954
NAGW-2102	17	p2916	N91-26100
NAGW-2158	05	p0680	N91-13782
NAG1-168	13	p2104	N91-21580
NAG1-190	05	p0705	N91-13930
NAG1-193	14	p2196	N91-22127
NAG1-224	01	p0053	N91-10313
	14	p2274	N91-22578
NAG1-270	16	p2549	N91-24126
NAG1-286	01	p0021	N91-10122

NAG1-336	08	p1164	N91-16411
NAG1-343	06	p0802	N91-14424
	13	p2100	N91-21560
	13	p2100	N91-21561
	14	p2274	N91-22577
	15	p2392	N91-23242
	20	p3305	N91-28292
NAG1-363	13	p2021	N91-21117
	14	p2262	N91-22513
	14	p2338	N91-22926
	24	p3950	N91-32078
	24	p4018	N91-32462
NAG1-400	04	p0529	N91-12933
NAG1-416	19	p3271	N91-28092
NAG1-423	12	p1829	N91-20052
	24	p3950	N91-32078
NAG1-441	19	p3275	N91-28117
NAG1-460	05	p0614	N91-13405
NAG1-513	05	p0622	N91-13452
NAG1-516	02	p0167	N91-10968
NAG1-529	05	p0678	N91-13768
NAG1-530	11	p1703	N91-19379
NAG1-552	01	p0083	N91-10491
NAG1-554	01	p0081	N91-10479
	01	p0082	N91-10484
	01	p0083	N91-10492
	01	p0088	N91-10517
	01	p0091	N91-10531
NAG1-562	08	p1130	N91-16212
	19	p3155	N91-27440
NAG1-569	03	p0325	N91-11809
	09	p1304	N91-17157
	19	p3136	N91-27329
NAG1-603	14	p2229	N91-22329
NAG1-613	07	p1051	N91-15770
	15	p2482	N91-23738
	15	p2482	N91-23739
	16	p2672	N91-24789
	20	p3384	N91-28747
	21	p3557	N91-29769
NAG1-623	02	p0217	N91-11216
	22	p3687	N91-30524
NAG1-631	01	p0029	N91-10170
NAG1-633	13	p2142	N91-21795
NAG1-639	19	p3117	N91-27223
NAG1-640	10	p1569	N91-18631
	11	p1775	N91-19732
NAG1-645	01	p0004	N91-10019
NAG1-651	01	p0090	N91-10526
NAG1-653	01	p0078	N91-10469
	01	p0090	N91-10527
NAG1-657	05	p0615	N91-13413
	05	p0655	N91-13640
NAG1-659	05	p0676	N91-13756
NAG1-664	18	p2922	N91-26123
NAG1-675	18	p2943	N91-26238
NAG1-680	14	p2251	N91-22454
NAG1-683	12	p1890	N91-20395
NAG1-685	01	p0057	N91-10334
	01	p0057	N91-10335
	12	p1975	N91-20863
	19	p3238	N91-27909
	23	p3885	N91-31678
NAG1-686	01	p0077	N91-10464
NAG1-694	03	p0370	N91-12071
NAG1-702	05	p0733	N91-14097
NAG1-710	14	p2187	N91-22078
NAG1-713	14	p2278	N91-22600
NAG1-716	07	p0989	N91-15425
NAG1-718	01	p0077	N91-10464
NAG1-722	02	p0266	N91-11488
	18	p3058	N91-26889
NAG1-730	05	p0674	N91-13750
NAG1-735	12	p1900	N91-20450
	12	p1900	N91-20451
NAG1-745	06	p0810	N91-14474
	09	p1313	N91-17209
	19	p3129	N91-27285
NAG1-750	02	p0253	N91-11407
NAG1-756	05	p0628	N91-13480
	05	p0676	N91-13759
	05	p0676	N91-13760
NAG1-758	12	p1853	N91-20183
NAG1-763	19	p3233	N91-27876
NAG1-767	14	p2194	N91-22121
NAG1-770	14	p2244	N91-22411
NAG1-773	04	p0469	N91-12629
NAG1-774	07	p1053	N91-15783
	07	p1053	N91-15784
NAG1-787	02	p0257	N91-11430
	22	p3728	N91-30750
NAG1-791	06	p0812	N91-14483
NAG1-793	16	p2545	N91-24099
	19	p3100	N91-27130
NAG1-798	20	p3341	N91-28502
NAG1-807	23	p3885	N91-31679
NAG1-811	18	p2986	N91-26488
NAG1-818	07	p1007	N91-15529
NAG1-820	04	p0517	N91-12875
NAG1-830	13	p2103	N91-21576
NAG1-837	14	p2189	N91-22092
NAG1-839	18	p2992	N91-26520
NAG1-857	14	p2227	N91-22316
NAG1-859	10	p1513	N91-18329
NAG1-872	24	p3950	N91-32079
NAG1-875	13	p2131	N91-21733
NAG1-877	19	p3276	N91-28120
NAG1-886	22	p3617	N91-30125
NAG1-911	06	p0869	N91-14802
NAG1-917	09	p1352	N91-17429
NAG1-924	18	p2992	N91-26521
NAG1-926	14	p2226	N91-22312
NAG1-928	19	p3149	N91-27402
NAG1-935	05	p0689	N91-13833
NAG1-939	07	p1047	N91-15749
	17	p2738	N91-25158
NAG1-942	14	p2193	N91-22116
NAG1-943	22	p3751	N91-30907
NAG1-946	24	p3965	N91-32155
NAG1-952	10	p1486	N91-18188
NAG1-954	16	p2623	N91-24525
NAG1-955	19	p3171	N91-27530
NAG1-957	22	p3760	N91-30962
NAG1-959	01	p0008	N91-10047
	05	p0614	N91-13404
NAG1-960	13	p2039	N91-21213
NAG1-964	18	p3043	N91-26800
NAG1-965	21	p3464	N91-29212
NAG1-966	16	p2667	N91-24758
NAG1-968	12	p1843	N91-20129
NAG1-970	01	p0124	N91-10735
NAG1-971	01	p0021	N91-10126
	16	p2589	N91-24346
NAG1-972	05	p0726	N91-14055
NAG1-974	17	p2791	N91-25443
NAG1-976	12	p1859	N91-20207
NAG1-981	04	p0490	N91-12721
NAG1-983	05	p0701	N91-13904
	11	p1776	N91-19741
NAG1-987	07	p0977	N91-15364
NAG1-989	03	p0299	N91-11667
NAG1-991	05	p0621	N91-13446
NAG1-994	02	p0155	N91-10903
	22	p3610	N91-30081
NAG1-1003	16	p2545	N91-24100
	16	p2545	N91-24101
	16	p2545	N91-24102
	19	p3111	N91-27191
NAG1-1007	11	p1777	N91-19750
NAG1-1018	24	p4030	N91-32519
NAG1-1021	13	p2131	N91-21729
NAG1-1027	05	p0622	N91-13449
NAG1-1029	08	p1095	N91-16010
	08	p1095	N91-16011
	08	p1095	N91-16013
NAG1-1031	09	p1349	N91-17409
NAG1-1046	01	p0120	N91-10707
NAG1-1049	06	p0802	N91-14429
NAG1-1051	22	p3681	N91-30500
NAG1-1055	12	p1843	N91-20130
	19	p3233	N91-27877
NAG1-1056	07	p0989	N91-15425
	13	p2037	N91-21202
NAG1-1060	01	p0108	N91-10629
	02	p0252	N91-11397
NAG1-1061	23	p3909	N91-31820
NAG1-1062	12	p1926	N91-20596
NAG1-1063	05	p0631	N91-13494
NAG1-1065	07	p0935	N91-15126
NAG1-1067	22	p3653	N91-30333
NAG1-1070	24	p3950	N91-32080
NAG1-1071	08	p1144	N91-16296
NAG1-1077	23	p3885	N91-31678
NAG1-1080	09	p1272	N91-16992
	14	p2187	N91-22080
	17	p2776	N91-25365
NAG1-1081	22	p3622	N91-30150
NAG1-1082	07	p0994	N91-15453
NAG1-1083	21	p3464	N91-29212
NAG1-1087	10	p1462	N91-18064
NAG1-1091	11	p1709	N91-19415
NAG1-1108	18	p3068	N91-26948
NAG1-1114	15	p2521	N91-23970
	15	p2521	N91-23974
	17	p2886	N91-25953
	17	p2886	N91-25954
	17	p2886	N91-25955
NAG1-1116	19	p3235	N91-27887
	19	p3235	N91-27888
NAG1-1117	13	p2103	N91-21576
NAG1-1119	13	p2018	N91-21100
NAG1-1122	05	p0658	N91-13656
	15	p2381	N91-23181
	17	p2776	N91-25364
NAG1-1123	17	p2832	N91-25646
NAG1-1127	19	p3250	N91-27981
NAG1-1132	02	p0257	N91-11430
	22	p3728	N91-30750
NAG1-1133	05	p0661	N91-13676
	17	p2728	N91-25107
NAG1-1135	12	p1828	N91-20047
NAG1-1136	02	p0250	N91-11387
NAG1-1144	07	p1020	N91-15603
NAG1-1145	13	p2080	N91-21456
	13	p2143	N91-21801
	16	p2549	N91-24126
	16	p2677	N91-24819
NAG1-1154	15	p2521	N91-23974
	17	p2886	N91-25952
	17	p2886	N91-25953
	17	p2886	N91-25954
	17	p2886	N91-25955
	17	p2886	N91-25956
NAG1-1156	16	p2546	N91-24109
	16	p2546	N91-24110
NAG1-1158	14	p2190	N91-22095
NAG1-1175	20	p3365	N91-28643
NAG1-1183	22	p3666	N91-30410
NAG1-1198	19	p3101	N91-27131
NAG1-1211	24	p3972	N91-32187
NAG1-1217	19	p3165	N91-27503
NAG1-1260	22	p3612	N91-30092
NAG2-134	05	p0743	N91-14141
NAG2-186	09	p1371	N91-17538
NAG2-193	08	p1090	N91-15981
NAG2-206	01	p0075	N91-10452
NAG2-208	08	p1267	N91-16977
	13	p2173	N91-21996
	23	p3938	N91-32009
NAG2-221	05	p0696	N91-13875
NAG2-243	17	p2820	N91-25582
NAG2-254	13	p2176	N91-22016
NAG2-258	12	p1831	N91-20062
NAG2-282	07	p1022	N91-15608
NAG2-303	06	p0862	N91-14766
NAG2-314	08	p1142	N91-16289
	19	p3169	N91-27524
NAG2-379	13	p2147	N91-21829
NAG2-413	02	p0248	N91-11380
	12	p1946	N91-20706
	12	p1947	N91-20708
NAG2-444	05	p0634	N91-13515
NAG2-485	13	p2182	N91-22056
NAG2-492	12	p1947	N91-20709
NAG2-503	14	p2325	N91-22846
NAG2-513	05	p0708	N91-13949
	05	p0708	N91-13950
	14	p2226	N91-22311
	20	p3391	N91-28787
NAG2-515	05	p0646	N91-13584
NAG2-520	02	p0293	N91-11645
NAG2-523	06	p0930	N91-15114
NAG2-528	05	p0732	N91-14090
NAG2-541	01	p0107	N91-10623
	05	p0699	N91-13893
	06	p0810	N91-14475
	08	p1129	N91-16211
	09	p1324	N91-17268
	11	p1688	N91-19305
	12	p1884	N91-20359
	16	p2617	N91-24485
	22	p3744	N91-30860
NAG2-542	10	p1510	N91-18307
	13	p2069	N91-21394
	14	p2255	N91-22472
NAG2-544	16	p2688	N91-24882
NAG2-545	04	p0608	N91-13383
NAG2-547	13	p2088	N91-21492
NAG2-554	06	p0869	N91-14803
NAG2-559	02	p0187	N91-11050
NAG2-561	22	p3618	N91-30126
NAG2-565	08	p1090	N91-15986
NAG2-582	16	p2673	N91-24795
NAG2-588	05	p0617	N91-13422
	15	p2364	N91-23084
NAG2-591	10	p1570	N91-18633
	11	p1773	N91-19718
NAG2-593	01	p0109	N91-10633
	05	p0704	N91-13928
	06	p0857	N91-14731
	06	p0857	N91-14732
	08	p1207	N91-16639
	10	p1574	N91-18663
	10	p1574	N91-18664
	10	p1575	N91-18665
	12	p1960	N91-20783
	14	p2303	N91-22722
	14	p2308	N91-22752

	16	p2667	N91-24759
	18	p3044	N91-26804
	19	p3218	N91-27785
NAG2-596	11	p1780	N91-19765
NAG2-614	11	p1763	N91-19701
NAG2-615	06	p0852	N91-14702
NAG2-616	22	p3713	N91-30668
NAG2-638	12	p1964	N91-20804
NAG2-646	15	p2364	N91-23084
NAG2-656	13	p2164	N91-21939
NAG2-670	14	p2298	N91-22703
NAG2-684	16	p2654	N91-24685
NAG2-691	14	p2318	N91-22804
NAG3-55	11	p1714	N91-19438
	19	p3099	N91-27120
NAG3-95	12	p1952	N91-20737
NAG3-154	10	p1509	N91-18302
NAG3-166	18	p2984	N91-26479
NAG3-172	04	p0534	N91-12962
	11	p1718	N91-19461
NAG3-230	09	p1337	N91-17341
	13	p2011	N91-21061
NAG3-349	05	p0623	N91-13458
NAG3-357	09	p1394	N91-17671
NAG3-376	23	p3785	N91-31106
NAG3-409	17	p2758	N91-25269
NAG3-442	22	p3699	N91-30594
NAG3-449	06	p0918	N91-15064
	19	p3248	N91-27961
NAG3-456	19	p3105	N91-27158
NAG3-484	17	p2777	N91-25367
NAG3-519	24	p4037	N91-32556
NAG3-548	16	p2626	N91-24544
NAG3-581	16	p2587	N91-24335
NAG3-589	22	p3656	N91-30351
NAG3-604	11	p1670	N91-19204
NAG3-608	05	p0621	N91-13443
	16	p2549	N91-24123
NAG3-634	13	p2087	N91-21485
NAG3-660	13	p2012	N91-21066
NAG3-663	22	p3655	N91-30345
NAG3-693	06	p0800	N91-14414
NAG3-696	05	p0725	N91-14050
NAG3-712	07	p1001	N91-15496
NAG3-716	13	p2012	N91-21068
NAG3-720	08	p1114	N91-16120
NAG3-726	19	p3273	N91-28107
NAG3-728	10	p1487	N91-18193
NAG3-742	16	p2648	N91-24659
	19	p3181	N91-27591
NAG3-749	18	p2943	N91-26234
NAG3-773	05	p0672	N91-13737
	11	p1714	N91-19435
NAG3-776	09	p1403	N91-17720
	13	p2155	N91-21880
	17	p2865	N91-25843
NAG3-798	10	p1533	N91-18443
NAG3-804	04	p0517	N91-12873
	17	p2769	N91-25321
NAG3-809	07	p0978	N91-15367
NAG3-823	21	p3461	N91-29193
NAG3-824	23	p3930	N91-31961
	23	p3930	N91-31963
NAG3-832	11	p1708	N91-19404
NAG3-833	11	p1665	N91-19176
NAG3-834	17	p2790	N91-25438
NAG3-841	07	p1003	N91-15506
NAG3-863	21	p3485	N91-29331
NAG3-865	17	p2771	N91-25334
NAG3-867	21	p3533	N91-29629
NAG3-875	15	p2426	N91-23440
NAG3-877	13	p2016	N91-21090
NAG3-881	19	p3163	N91-27488
	19	p3165	N91-27502
	22	p3677	N91-30474
NAG3-888	05	p0641	N91-13557
NAG3-894	01	p0023	N91-10133
	03	p0379	N91-12117
	06	p0801	N91-14422
	17	p2746	N91-25193
	19	p3121	N91-27243
NAG3-897	19	p3136	N91-27328
NAG3-899	05	p0656	N91-13645
	09	p1338	N91-17349
NAG3-901	24	p4031	N91-32523
NAG3-904	21	p3452	N91-29147
NAG3-938	03	p0348	N91-11944
NAG3-940	16	p2631	N91-24565
	20	p3348	N91-28539
NAG3-946	24	p3981	N91-32237
NAG3-948	13	p2043	N91-21236
NAG3-957	16	p2635	N91-24583
NAG3-964	11	p1714	N91-19439
	19	p3176	N91-27558
NAG3-965	19	p3173	N91-27546
NAG3-966	22	p3649	N91-30309
NAG3-968	13	p2037	N91-21207
NAG3-972	04	p0578	N91-13219
	05	p0650	N91-13609
NAG3-974	19	p3173	N91-27545
NAG3-982	10	p1514	N91-18332
NAG3-992	19	p3244	N91-27939
NAG3-1000	10	p1515	N91-18341
NAG3-1010	22	p3723	N91-30721
NAG3-1011	15	p2381	N91-23181
	17	p2776	N91-25364
NAG3-1024	21	p3516	N91-29524
NAG3-1027	14	p2356	N91-23032
NAG3-1036	13	p2075	N91-21426
NAG3-1039	14	p2253	N91-22465
NAG3-1043	17	p2804	N91-25502
NAG3-1044	10	p1506	N91-18289
NAG3-1045	22	p3646	N91-30294
NAG3-1047	15	p2439	N91-23514
NAG3-1100	09	p1348	N91-17407
	16	p2700	N91-24952
	24	p4118	N91-33014
NAG3-1123	16	p2651	N91-24673
NAG3-1125	08	p1127	N91-16194
NAG3-1126	22	p3663	N91-30393
NAG3-1137	11	p1721	N91-19475
NAG3-1155	09	p1301	N91-17138
NAG3-1163	16	p2648	N91-24659
	19	p3181	N91-27591
NAG3-1186	08	p1200	N91-16596
NAG3-1192	24	p4014	N91-32442
NAG3-1200	15	p2390	N91-23232
NAG3-1208	12	p1894	N91-20416
NAG3-1263	21	p3528	N91-29600
NAG4-1	19	p3107	N91-27168
NAG5-45	09	p1429	N91-17864
	19	p3264	N91-28051
NAG5-81	19	p3201	N91-27694
NAG5-82	09	p1437	N91-17920
NAG5-071	19	p3271	N91-28094
NAG5-156	19	p3270	N91-28091
NAG5-193	09	p1443	N91-17958
NAG5-252	12	p2003	N91-21024
	12	p2003	N91-21025
NAG5-255	05	p0737	N91-14115
NAG5-262	09	p1430	N91-17875
NAG5-286	05	p0737	N91-14115
NAG5-343	09	p1442	N91-17949
NAG5-350	09	p1433	N91-17894
NAG5-356	10	p1529	N91-18423
NAG5-382	09	p1430	N91-17870
NAG5-389	08	p1176	N91-16472
	08	p1176	N91-16473
	09	p1354	N91-17437
NAG5-459	06	p0846	N91-14672
NAG5-481	09	p1430	N91-17873
	09	p1438	N91-17926
	09	p1441	N91-17942
	09	p1441	N91-17943
	09	p1441	N91-17944
	09	p1441	N91-17945
	09	p1441	N91-17946
	09	p1442	N91-17948
NAG5-501	10	p1617	N91-18916
NAG5-557	14	p2255	N91-22471
NAG5-607	10	p1551	N91-18531
NAG5-616	05	p0760	N91-14225
	09	p1431	N91-17877
NAG5-619	06	p0889	N91-14912
	12	p2003	N91-21023
NAG5-637	21	p3466	N91-29219
NAG5-670	18	p3005	N91-26596
NAG5-707	09	p1433	N91-17894
NAG5-712	02	p0204	N91-11144
NAG5-713	13	p2121	N91-21673
NAG5-736	03	p0440	N91-12460
NAG5-743	19	p3201	N91-27695
NAG5-750	12	p1922	N91-20572
NAG5-780	09	p1298	N91-17123
	19	p3174	N91-27547
NAG5-814	06	p0846	N91-14673
	07	p1029	N91-15647
	07	p1029	N91-15649
	14	p2353	N91-23011
	17	p2810	N91-25533
	19	p3191	N91-27645
NAG5-834	22	p3675	N91-30459
NAG5-852	05	p0686	N91-13817
NAG5-864	18	p2981	N91-26462
NAG5-870	22	p3696	N91-30577
NAG5-878	12	p2008	N91-21052
NAG5-890	22	p3703	N91-30610
NAG5-905	22	p3707	N91-30634
NAG5-913	03	p0383	N91-12136
NAG5-915	01	p0063	N91-10379
NAG5-916	07	p0990	N91-15433
NAG5-919	07	p1023	N91-15614
NAG5-926	06	p0844	N91-14665
	06	p0844	N91-14666
NAG5-931	03	p0350	N91-11953
	03	p0399	N91-12220
	14	p2258	N91-22487
	22	p3727	N91-30747
	24	p3989	N91-32288
NAG5-943	10	p1556	N91-18558
	13	p2119	N91-21664
NAG5-955	05	p0661	N91-13677
NAG5-1017	01	p0129	N91-10763
	15	p2542	N91-24082
NAG5-1027	04	p0607	N91-13378
NAG5-1031	16	p2627	N91-24545
NAG5-1038	18	p2996	N91-26544
NAG5-1044	12	p1946	N91-20704
	12	p1947	N91-20708
NAG5-1045	15	p2490	N91-23787
NAG5-1047	14	p2272	N91-22569
NAG5-1051	10	p1550	N91-18528
	10	p1552	N91-18535
	12	p1884	N91-20360
NAG5-1053	24	p4029	N91-32512
NAG5-1055	10	p1548	N91-18518
	10	p1552	N91-18535
	24	p3988	N91-32280
NAG5-1070	05	p0686	N91-13818
NAG5-1092	06	p0930	N91-15115
NAG5-1106	14	p2322	N91-22824
NAG5-1107	17	p2889	N91-25972
NAG5-1115	05	p0687	N91-13819
	05	p0689	N91-13831
NAG5-1122	17	p2814	N91-25554
NAG5-1124	09	p1347	N91-17402
NAG5-1125	17	p2813	N91-25549
NAG5-1126	14	p2291	N91-22669
NAG5-1132	07	p1028	N91-15642
NAG5-1138	05	p0698	N91-13885
NAG5-1140	22	p3771	N91-31026
NAG5-1157	05	p0732	N91-14089
NAG5-1164	11	p1816	N91-19975
NAG5-1169	14	p2270	N91-22561
NAG5-1186	16	p2705	N91-24969
NAG5-1192	06	p0840	N91-14639
NAG5-1206	04	p0610	N91-13391
NAG5-1211	11	p1775	N91-19736
NAG5-1218	17	p2891	N91-25981
	19	p3263	N91-28050
NAG5-1219	03	p0440	N91-12459
NAG5-1232	02	p0188	N91-11053
	18	p2938	N91-26204
NAG5-1236	06	p0915	N91-15044
NAG5-1246	02	p0286	N91-11606
	04	p0608	N91-13381
NAG5-1294	03	p0386	N91-12151
NAG5-1308	16	p2659	N91-24710
NAG5-1316	09	p1433	N91-17891
NAG5-1321	03	p0446	N91-12494
NAG5-1331	08	p1116	N91-16132
NAG5-1332	11	p1707	N91-19398
NAG5-1336	10	p1552	N91-18535
NAG5-1340	22	p3662	N91-30390
NAG5-1347	19	p3246	N91-27956
NAG5-1366	05	p0732	N91-14088
NAG5-1379	13	p2116	N91-21648
	13	p2120	N91-21665
NAG5-1382	14	p2315	N91-22785
NAG5-1386	22	p3774	N91-31051
NAG5-1393	09	p1441	N91-17943
NAG5-1415	22	p3689	N91-30536
NAG5-1417	08	p1236	N91-16813
NAG5-1425	22	p3771	N91-31029
NAG5-1437	19	p3182	N91-27597
NAG5-1476	22	p3708	N91-30637
NAG5-29451	12	p2003	N91-21022
NAG6-626	23	p3924	N91-31928
NAG8-20	19	p3277	N91-28124
NAG8-29	19	p3277	N91-28126
NAG8-50	09	p1366	N91-17509
NAG8-66	24	p4059	N91-32678
NAG8-68	19	p3276	N91-28121
NAG8-059	19	p3202	N91-27701
NAG8-076	14	p2247	N91-22432
	19	p3275	N91-28115
NAG8-078	18	p3016	N91-26654
	19	p3202	N91-27697
NAG8-083	09	p1355	N91-17444
NAG8-089	17	p2756	N91-25254
NAG8-095	06	p0825	N91-14557
NAG8-111	19	p3273	N91-28104
NAG8-113	19	p3270	N91-28089
NAG8-117	09	p1425	N91-17845
NAG8-123	14	p2234	N91-22363
NAG8-401	12	p2001	N91-21011
NAG8-541	12	p1868	N91-20264
NAG8-545	19	p3122	N91-27246

	22	p3642	N91-30271
NAG8-597	05	p0657	N91-13648
NAG8-632	19	p3204	N91-27711
NAG8-636	06	p0872	N91-14825
NAG8-642	02	p0251	N91-11393
NAG8-654	15	p2467	N91-23670
NAG8-656	16	p2654	N91-24686
NAG8-704	07	p1001	N91-15495
NAG8-708	08	p1099	N91-16032
NAG8-711	07	p1070	N91-15886
NAG8-713	16	p2693	N91-24909
NAG8-717	05	p0706	N91-13939
	18	p3044	N91-26806
NAG8-720	01	p0107	N91-10618
	01	p0107	N91-10619
	01	p0107	N91-10620
	01	p0107	N91-10621
NAG8-724	06	p0836	N91-14624
	19	p3145	N91-27380
NAG8-733	10	p1507	N91-18293
NAG8-751	04	p0548	N91-13039
	06	p0848	N91-14680
	24	p4047	N91-32609
NAG8-753	04	p0503	N91-12795
	10	p1499	N91-18250
	12	p1868	N91-20264
NAG8-754	10	p1557	N91-18560
NAG8-757	08	p1121	N91-16163
NAG8-759	22	p3656	N91-30350
NAG8-760	24	p4058	N91-32672
NAG8-767	01	p0127	N91-10755
NAG8-777	07	p1038	N91-15695
NAG8-781	16	p2693	N91-24912
NAG8-790	05	p0711	N91-13967
NAG8-795	14	p2283	N91-22627
NAG8-796	22	p3663	N91-30392
	23	p3897	N91-31750
NAG8-803	13	p2131	N91-21728
NAG8-820	06	p0789	N91-14365
	06	p0789	N91-14366
	06	p0790	N91-14367
	06	p0790	N91-14368
NAG8-821	12	p1869	N91-20269
NAG8-824	05	p0722	N91-14029
NAG8-831	06	p0884	N91-14885
	14	p2245	N91-22419
NAG8-834	18	p3013	N91-26637
NAG8-836	24	p4062	N91-32691
NAG8-850	22	p3655	N91-30343
NAG8-863	11	p1798	N91-19871
NAG8-877	24	p4123	N91-33045
NAG9-39	14	p2353	N91-23011
NAG9-52	07	p1083	N91-15957
NAG9-117	01	p0101	N91-10591
	11	p1765	N91-19710
NAG9-173	17	p2769	N91-25322
NAG9-181	11	p1750	N91-19621
NAG9-235	17	p2860	N91-25819
NAG9-275	10	p1486	N91-18185
NAG9-280	14	p2276	N91-22588
NAG9-303	17	p2821	N91-25589
NAG9-326	09	p1344	N91-17386
NAG9-339	02	p0251	N91-11392
NAG9-340	05	p0699	N91-13895
NAG9-346	19	p3110	N91-27181
NAG9-347	10	p1486	N91-18184
NAG9-351	07	p1048	N91-15750
	09	p1384	N91-17611
NAG9-357	08	p1103	N91-16059
NAG9-358	22	p3775	N91-31052
NAG9-360	05	p0669	N91-13721
	05	p0670	N91-13722
NAG9-361	05	p0670	N91-13725
NAG9-369	05	p0699	N91-13894
NAG9-370	10	p1567	N91-18615
NAG9-387	06	p0857	N91-14733
NAG9-388	09	p1376	N91-17557
	09	p1376	N91-17558
NAG9-398	01	p0103	N91-10595
NAG9-462	16	p2634	N91-24582
NAG9-474	02	p0293	N91-11644
	05	p0766	N91-14256
NAG9-522	22	p3775	N91-31055
NAG10-24	19	p3266	N91-28065
	19	p3266	N91-28066
	23	p3902	N91-31782
NAL10-0049	24	p4048	N91-32610
NANB-7-D-0737	17	p2756	N91-25252
NASA ORDER A-43049-C	06	p0785	N91-14353
NASA ORDER A-78043-C	14	p2193	N91-22116
NASA ORDER C-3000-K	11	p1670	N91-19202
	22	p3631	N91-30205
NASA ORDER C-30003-J	09	p1355	N91-17445
NASA ORDER C-30007-K	02	p0276	N91-11555
NASA ORDER C-30018-M	02	p0276	N91-11555
NASA ORDER C-60376-P	24	p4088	N91-32840
NASA ORDER C-99066-G	02	p0213	N91-11192
	06	p0825	N91-14559
	06	p0865	N91-14781
	11	p1702	N91-19375
	11	p1784	N91-19786
	13	p2013	N91-21071
	13	p2013	N91-21074
	13	p2015	N91-21082
	13	p2015	N91-21083
	14	p2264	N91-22524
	14	p2266	N91-22536
	15	p2422	N91-23416
	16	p2549	N91-24124
	16	p2626	N91-24541
	16	p2648	N91-24659
	16	p2677	N91-24817
	17	p2747	N91-25198
	19	p3181	N91-27591
	22	p3744	N91-30865
	23	p3871	N91-31597
	23	p3922	N91-31911
	24	p4017	N91-32460
NASA ORDER C-99066-6	16	p2623	N91-24525
NASA ORDER H-10857-D	19	p3169	N91-27520
NASA ORDER H-11204-F	16	p2682	N91-24846
NASA ORDER H-11215-D	13	p2116	N91-21649
NASA ORDER H-80505-B	07	p0987	N91-15421
NASA ORDER H-80579-B	02	p0195	N91-11091
NASA ORDER H-80589-B	23	p3874	N91-31607
NASA ORDER H-83097-B	12	p1951	N91-20733
NASA ORDER H-080640	09	p1347	N91-17403
NASA ORDER L-08100-B	01	p0077	N91-10460
NASA ORDER L-39627C	19	p3218	N91-27786
NASA ORDER L-79877-B	01	p0085	N91-10501
	01	p0090	N91-10524
NASA ORDER L-98100-B	01	p0076	N91-10459
NASA ORDER SA-25821	12	p1835	N91-20085
NASA ORDER T-0604L	24	p3954	N91-32092
NASA ORDER T-0704-F	23	p3855	N91-31495
NASA ORDER T-0704F	24	p3988	N91-32282
NASA ORDER W-15130	09	p1440	N91-17941
NASA ORDER W-15766	02	p0294	N91-11649
NASA ORDER W-16215	19	p3190	N91-27638
NASW-4066	05	p0734	N91-14098
	05	p0734	N91-14099
	05	p0766	N91-14252
	14	p2347	N91-22984
NASW-4102	20	p3288	N91-28182
NASW-4194	22	p3727	N91-30745
NASW-4228	02	p0166	N91-10964
NASW-4245	21	p3466	N91-29219
NASW-4292	04	p0550	N91-13052
	11	p1763	N91-19700
	13	p2126	N91-21704
	18	p3019	N91-26669
	18	p3019	N91-26670
	22	p3713	N91-30669
NASW-4300	12	p1932	N91-20630
NASW-4305	14	p2345	N91-22967
NASW-4324	11	p1762	N91-19697
	12	p1928	N91-20608
	12	p1930	N91-20620
	14	p2301	N91-22715
NASW-4383	14	p2344	N91-22960
NASW-4394	14	p2205	N91-22183
NASW-4430	23	p3897	N91-31751
NASW-4435	02	p0185	N91-11039
	02	p0293	N91-11641
	10	p1474	N91-18121
NASW-4444	12	p2008	N91-21051
	14	p2350	N91-22995
NASW-4518	02	p0166	N91-10964
NASW-4520	18	p2933	N91-26182
	23	p3801	N91-31200
	23	p3854	N91-31488
NASW-4574	17	p2891	N91-25982
NAS1-11395	11	p1758	N91-19670
NAS1-14101	12	p1952	N91-20739
NAS1-14472	12	p1952	N91-20739
NAS1-14654	16	p2721	N91-25069
NAS1-15148	16	p2591	N91-24358
NAS1-15325	16	p2551	N91-24139
NAS1-15810	12	p1952	N91-20739
NAS1-16000	13	p2033	N91-21179
	13	p2033	N91-21180
NAS1-16394	12	p1952	N91-20739
NAS1-16542	03	p0325	N91-11808
NAS1-17070	10	p1569	N91-18631
	12	p1952	N91-20739
NAS1-17130	12	p1952	N91-20739
NAS1-17432	24	p3979	N91-32231
NAS1-17498	07	p1021	N91-15607
	09	p1352	N91-17428
	10	p1534	N91-18445
	11	p1722	N91-19478
NAS1-17666	04	p0485	N91-12696
NAS1-17699	21	p3471	N91-29253
NAS1-17701	21	p3472	N91-29254
NAS1-17742	11	p1645	N91-19074
NAS1-17748	01	p0094	N91-10548
NAS1-17806	15	p2506	N91-23887
NAS1-17964	21	p3457	N91-29176
NAS1-18015	15	p2364	N91-23080
	15	p2364	N91-23081
NAS1-18029	04	p0480	N91-12677
NAS1-18036	16	p2681	N91-24844
NAS1-18037	06	p0784	N91-14346
	23	p3924	N91-31926
	23	p3924	N91-31927
NAS1-18061	09	p1386	N91-17626
NAS1-18107	01	p0043	N91-10251
	12	p1952	N91-20739
NAS1-18226	09	p1337	N91-17342
	09	p1384	N91-17613
	10	p1528	N91-18413
	19	p3233	N91-27873
NAS1-18230	11	p1676	N91-19238
NAS1-18240	11	p1643	N91-19061
	17	p2728	N91-25104
NAS1-18267	03	p0319	N91-11785
NAS1-18272	01	p0078	N91-10465
	01	p0079	N91-10474
NAS1-18279	05	p0625	N91-13463
NAS1-18347	05	p0715	N91-13991
NAS1-18378	05	p0621	N91-13447
	16	p2559	N91-24195
	22	p3619	N91-30136
NAS1-18444	14	p2277	N91-22595
	14	p2277	N91-22596
	14	p2278	N91-22597
	14	p2278	N91-22598
	14	p2319	N91-22805
NAS1-18450	16	p2578	N91-24288
NAS1-18458	01	p0016	N91-10098
NAS1-18460	10	p1542	N91-18489
	10	p1543	N91-18490
	19	p3203	N91-27702
NAS1-18465	24	p3952	N91-32088
NAS1-18471	03	p0376	N91-12104
	09	p1285	N91-17065
NAS1-18476	21	p3583	N91-29935
NAS1-18478	23	p3885	N91-31684
	23	p3886	N91-31685
	23	p3886	N91-31686
NAS1-18481	07	p0946	N91-15188
NAS1-18531	14	p2246	N91-22426
	16	p2599	N91-24402
	16	p2599	N91-24404
	20	p3312	N91-28334
	20	p3312	N91-28335
	20	p3313	N91-28336
	20	p3313	N91-28337
NAS1-18533	24	p3974	N91-32200
NAS1-18560	19	p3110	N91-27179
NAS1-18565	04	p0485	N91-12695
	04	p0485	N91-12696
	05	p0705	N91-13934
NAS1-18567	07	p0963	N91-15300
	14	p2234	N91-22359
NAS1-18584	06	p0774	N91-14292
	12	p1900	N91-20452
NAS1-18585	08	p1099	N91-16033
	10	p1467	N91-18094
	13	p2015	N91-21084
	13	p2017	N91-21095
	13	p2028	N91-21155
	14	p2228	N91-22323
	17	p2728	N91-25104
	17	p2829	N91-25625
	20	p3280	N91-28138
NAS1-18586	09	p1378	N91-17572
	11	p1779	N91-19756
	18	p3043	N91-26797
	20	p3389	N91-28777
	24	p3960	N91-32132
	24	p4090	N91-32853
NAS1-18599	07	p1019	N91-15599
	13	p2015	N91-21084
	13	p2016	N91-21089
	14	p2188	N91-22085
	17	p2728	N91-25104
	20	p3362	N91-28626
	23	p3887	N91-31692
	24	p4032	N91-32527
NAS1-18605	01	p0002	N91-10009
	01	p0002	N91-10010
	01	p0004	N91-10021
	01	p0004	N91-10022
	01	p0040	N91-10237
	01	p0042	N91-10250
	01	p0043	N91-10251
	01	p0103	N91-10599

01 p0104 N91-10600
01 p0108 N91-10628
01 p0108 N91-10629 NAS1-18616
01 p0114 N91-10664 NAS1-18676
02 p0252 N91-11397 NAS1-18693
02 p0257 N91-11430 NAS1-18703
03 p0363 N91-12033
03 p0399 N91-12216
03 p0399 N91-12217
05 p0615 N91-13410
05 p0656 N91-13642 NAS1-18711
05 p0657 N91-13649 NAS1-18762
05 p0657 N91-13650
05 p0660 N91-13669 NAS1-18763
05 p0706 N91-13935
05 p0709 N91-13952
05 p0711 N91-13966 NAS1-18845
06 p0777 N91-14307 NAS1-18872
06 p0777 N91-14308 NAS1-18878
06 p0856 N91-14726 NAS1-18925
08 p1091 N91-15991
08 p1092 N91-15994 NAS1-18935
08 p1092 N91-15995 NAS1-18969
08 p1092 N91-15996 NAS1-18972
08 p1145 N91-16305
08 p1146 N91-16306 NAS1-19000
08 p1211 N91-16664
09 p1286 N91-17069
09 p1392 N91-17658
09 p1392 N91-17659
10 p1462 N91-18062
10 p1462 N91-18063 NAS1-19021
10 p1524 N91-18390 NAS1-19038
10 p1525 N91-18397
10 p1566 N91-18610
10 p1567 N91-18613
10 p1586 N91-18740 NAS1-19060
11 p1640 N91-19043 NAS1-19061
11 p1697 N91-19345 NAS2-11295
11 p1701 N91-19366 NAS2-11420
11 p1772 N91-19715
11 p1772 N91-19716 NAS2-11555
12 p1831 N91-20061
12 p1831 N91-20063
12 p1899 N91-20446
12 p1952 N91-20739 NAS2-11934
13 p2017 N91-21099
13 p2025 N91-21139 NAS2-12148
13 p2079 N91-21451 NAS2-12211
13 p2079 N91-21453 NAS2-12370
13 p2079 N91-21454 NAS2-12393
13 p2079 N91-21455
13 p2080 N91-21456 NAS2-12640
13 p2080 N91-21457
13 p2130 N91-21724 NAS2-12670
13 p2143 N91-21796
13 p2143 N91-21800
13 p2143 N91-21801 NAS2-12693
14 p2266 N91-22537 NAS2-12722
15 p2425 N91-23433
15 p2425 N91-23434 NAS2-12849
16 p2549 N91-24125 NAS2-12897
16 p2549 N91-24126 NAS2-12898
16 p2549 N91-24127 NAS2-12961
16 p2627 N91-24546 NAS2-12962
16 p2666 N91-24746 NAS2-13041
16 p2677 N91-24819 NAS2-13058
16 p2679 N91-24833 NAS2-13070
17 p2728 N91-25105 NAS2-13095
17 p2832 N91-25644 NAS2-13125
17 p2842 N91-25704 NAS2-13157
18 p3038 N91-26767 NAS2-13210
19 p3099 N91-27121 NAS3-22238
19 p3163 N91-27490 NAS3-22902
19 p3165 N91-27501
19 p3232 N91-27869
19 p3235 N91-27887 NAS3-23051
19 p3235 N91-27888 NAS3-23164
20 p3393 N91-28806 NAS3-23288
22 p3611 N91-30088 NAS3-23356
22 p3611 N91-30089 NAS3-23691
22 p3612 N91-30093
22 p3612 N91-30094
22 p3613 N91-30096
22 p3613 N91-30097 NAS3-23697
22 p3624 N91-30162
22 p3676 N91-30465 NAS3-23720
22 p3676 N91-30466
22 p3676 N91-30467
22 p3677 N91-30475
22 p3722 N91-30712
22 p3728 N91-30749 NAS3-23772
22 p3728 N91-30750
22 p3744 N91-30866 NAS3-23791
23 p3868 N91-31576 NAS3-23881
23 p3919 N91-31888
23 p3919 N91-31889
24 p4018 N91-32463
02 p0182 N91-11027
14 p2280 N91-22609
12 p1868 N91-20265
16 p2548 N91-24118
16 p2548 N91-24119
16 p2548 N91-24120
16 p2548 N91-24121
16 p2548 N91-24122
06 p0784 N91-14347
07 p0945 N91-15180
10 p1473 N91-18116
17 p2741 N91-25168
22 p3623 N91-30156
23 p3874 N91-31609
13 p2036 N91-21198
16 p2565 N91-24222
07 p1048 N91-15752
16 p2553 N91-24153
22 p3728 N91-30748
13 p2104 N91-21581
19 p3232 N91-27868
21 p3559 N91-29777
21 p3559 N91-29778
03 p0325 N91-11809
14 p2187 N91-22078
16 p2681 N91-24845
19 p3136 N91-27329
22 p3750 N91-30903
23 p3924 N91-31923
03 p0398 N91-12210
05 p0701 N91-13907
07 p1048 N91-15751
09 p1386 N91-17625
11 p1775 N91-19737
14 p2323 N91-22630
19 p3240 N91-27916
11 p1644 N91-19067
05 p0712 N91-13972
06 p0782 N91-14335
01 p0008 N91-10048
02 p0256 N91-11425
11 p1771 N91-19714
14 p2355 N91-23024
13 p2022 N91-21121
13 p2128 N91-21714
11 p1641 N91-19050
16 p2562 N91-24210
06 p0906 N91-15004
05 p0617 N91-13424
18 p2923 N91-26126
13 p2027 N91-21149
13 p2027 N91-21150
14 p2194 N91-22117
16 p2559 N91-24193
16 p2559 N91-24194
16 p2608 N91-24452
18 p2925 N91-26140
23 p3851 N91-31470
17 p2824 N91-25601
11 p1693 N91-19323
15 p2430 N91-23458
19 p3233 N91-27874
11 p1643 N91-19060
18 p2925 N91-26139
20 p3285 N91-28168
15 p2374 N91-23136
22 p3610 N91-30080
06 p0777 N91-14311
16 p2559 N91-24198
16 p2673 N91-24793
15 p2391 N91-23233
02 p0187 N91-11049
05 p0629 N91-13486
05 p0629 N91-13487
01 p0011 N91-10065
23 p3803 N91-31213
16 p2582 N91-24309
15 p2410 N91-23346
11 p1715 N91-19443
16 p2628 N91-24551
16 p2628 N91-24552
22 p3679 N91-30489
12 p1915 N91-20538
16 p2644 N91-24636
11 p1641 N91-19049
15 p2500 N91-23849
15 p2500 N91-23850
15 p2501 N91-23851
15 p2501 N91-23852
07 p0966 N91-15307
11 p1665 N91-19174
05 p0629 N91-13485
09 p1403 N91-17722
09 p1405 N91-17733
NAS3-23939 16 p2582 N91-24310
NAS3-24105 03 p0323 N91-11799
11 p1791 N91-19825
24 p3962 N91-32141
NAS3-24382 16 p2586 N91-24330
16 p2586 N91-24331
NAS3-24384 16 p2607 N91-24451
NAS3-24389 24 p4031 N91-32524
NAS3-24398 16 p2580 N91-24300
NAS3-24541 16 p2562 N91-24208
NAS3-24542 16 p2562 N91-24207
NAS3-24543 16 p2561 N91-24206
NAS3-24544 16 p2561 N91-24205
NAS3-24545 16 p2561 N91-24204
NAS3-24635 24 p4038 N91-32561
NAS3-24643 08 p1104 N91-16063
NAS3-24669 07 p0962 N91-15297
NAS3-24678 02 p0203 N91-11134
NAS3-24816 18 p2987 N91-26490
NAS3-25062 16 p2573 N91-24263
NAS3-25063 24 p3968 N91-32166
NAS3-25070 13 p2055 N91-21307
NAS3-25083 12 p1890 N91-20390
NAS3-25091 23 p3856 N91-31499
NAS3-25092 09 p1323 N91-17266
15 p2533 N91-24030
NAS3-25195 16 p2628 N91-24553
NAS3-25266 01 p0022 N91-10127
03 p0313 N91-11753
05 p0617 N91-13421
05 p0684 N91-13804
05 p0725 N91-14050
06 p0815 N91-14500
07 p1019 N91-15598
09 p1273 N91-17000
11 p1642 N91-19056
11 p1642 N91-19059
11 p1655 N91-19117
11 p1665 N91-19176
11 p1672 N91-19216
11 p1693 N91-19325
11 p1702 N91-19376
11 p1707 N91-19403
11 p1722 N91-19479
11 p1822 N91-20015
12 p1835 N91-20084
12 p1892 N91-20406
13 p2017 N91-21094
13 p2025 N91-21138
13 p2033 N91-21182
13 p2045 N91-21252
13 p2100 N91-21558
13 p2112 N91-21625
14 p2234 N91-22358
14 p2261 N91-22508
15 p2386 N91-23205
15 p2446 N91-23548
15 p2446 N91-23550
15 p2458 N91-23620
16 p2566 N91-24224
16 p2566 N91-24226
16 p2568 N91-24232
16 p2581 N91-24306
16 p2591 N91-24359
16 p2624 N91-24528
16 p2648 N91-24659
17 p2746 N91-25194
17 p2837 N91-25680
19 p3107 N91-27164
19 p3115 N91-27211
19 p3116 N91-27215
19 p3116 N91-27216
19 p3116 N91-27217
19 p3156 N91-27446
19 p3185 N91-27613
20 p3302 N91-28277
20 p3363 N91-28627
21 p3460 N91-29188
21 p3468 N91-29230
21 p3497 N91-29404
21 p3567 N91-29832
21 p3581 N91-29917
22 p3621 N91-30142
22 p3630 N91-30201
22 p3637 N91-30238
22 p3637 N91-30239
22 p3680 N91-30491
22 p3693 N91-30562
23 p3803 N91-31209
24 p3949 N91-32075
24 p3950 N91-32077
24 p4021 N91-32474
24 p4123 N91-33046
NAS3-25270 17 p2729 N91-25113
24 p3961 N91-32138
NAS3-25274 11 p1692 N91-19320

NAS3-25275	14	p2236	N91-22372
NAS3-25347	12	p1950	N91-20727
NAS3-25359	11	p1703	N91-19378
NAS3-25362	06	p0792	N91-14378
NAS3-25453	19	p3106	N91-27163
NAS3-25468	08	p1119	N91-16150
NAS3-25471	09	p1356	N91-17452
NAS3-25515	11	p1663	N91-19167
NAS3-25556	09	p1299	N91-17127
	16	p2567	N91-24230
	16	p2568	N91-24231
NAS3-25557	23	p3804	N91-31219
NAS3-25570	11	p1667	N91-19187
NAS3-25643	01	p0020	N91-10116
NAS3-25646	16	p2574	N91-24267
NAS3-25716	16	p2566	N91-24227
NAS3-25776	11	p1698	N91-19350
	12	p1878	N91-20324
	12	p1890	N91-20394
	16	p2627	N91-24548
	22	p3667	N91-30418
NAS3-25787	11	p1675	N91-19233
NAS3-25798	22	p3631	N91-30204
NAS3-25800	18	p2981	N91-26461
NAS3-25801	13	p2075	N91-21430
NAS3-25802	14	p2260	N91-22502
NAS3-25808	20	p3366	N91-28648
	22	p3699	N91-30595
NAS3-25824	20	p3365	N91-28644
NAS3-25834	11	p1640	N91-19048
	18	p2926	N91-26146
NAS3-25883	14	p2236	N91-22373
	17	p2743	N91-25178
	18	p2938	N91-26205
NAS3-25960	13	p2043	N91-21234
	19	p3114	N91-27205
NAS3-25967	15	p2382	N91-23185
	21	p3459	N91-29187
NAS5-87	09	p1430	N91-17874
NAS5-25451	08	p1255	N91-16908
NAS5-26555	10	p1615	N91-18911
	14	p2347	N91-22980
NAS5-26688	14	p2281	N91-22614
NAS5-27000	17	p2893	N91-25990
NAS5-27772	14	p2212	N91-22222
	14	p2313	N91-22774
NAS5-28067	05	p0681	N91-13788
NAS5-28575	12	p1946	N91-20706
NAS5-28731	09	p1430	N91-17873
	09	p1433	N91-17894
	09	p1438	N91-17926
	09	p1440	N91-17941
	09	p1441	N91-17942
	09	p1441	N91-17946
	09	p1442	N91-17948
	09	p1443	N91-17958
NAS5-28749	23	p3939	N91-32012
NAS5-28765	24	p4043	N91-32591
NAS5-28800	01	p0083	N91-10490
	01	p0083	N91-10493
NAS5-29293	02	p0286	N91-11605
	05	p0761	N91-14228
NAS5-29298	09	p1432	N91-17885
NAS5-29301	09	p1437	N91-17919
NAS5-29373	04	p0549	N91-13043
	13	p2121	N91-21670
	16	p2660	N91-24720
	18	p3015	N91-26651
NAS5-29375	09	p1447	N91-17979
NAS5-29386	03	p0448	N91-12503
	08	p1189	N91-16536
NAS5-30141	21	p3584	N91-29937
NAS5-30309	13	p2036	N91-21195
NAS5-30356	19	p3161	N91-27476
NAS5-30357	15	p2421	N91-23408
NAS5-30365	01	p0072	N91-10439
NAS5-30440	18	p2993	N91-26527
NAS5-30534	23	p3940	N91-32020
	23	p3940	N91-32021
	23	p3940	N91-32022
NAS5-30546	15	p2386	N91-23206
	15	p2387	N91-23211
NAS5-30680	14	p2221	N91-22282
NAS5-30702	15	p2387	N91-23212
NAS5-30730	01	p0072	N91-10439
NAS5-30756	06	p0830	N91-14586
NAS5-31000	14	p2212	N91-22222
	14	p2313	N91-22774
NAS5-31500	09	p1287	N91-17076
	09	p1287	N91-17078
	09	p1288	N91-17079
	09	p1288	N91-17081
	09	p1288	N91-17082
	09	p1289	N91-17083
	09	p1289	N91-17086
	09	p1291	N91-17094
	09	p1292	N91-17100
	09	p1293	N91-17104
	23	p3938	N91-32007
NAS7-100	12	p1918	N91-20553
	12	p1919	N91-20554
	12	p1919	N91-20555
	12	p1919	N91-20556
	12	p1919	N91-20557
	12	p1919	N91-20558
	22	p3661	N91-30378
NAS7-918	01	p0017	N91-10105
	01	p0034	N91-10204
	01	p0038	N91-10222
	01	p0141	N91-10829
	03	p0350	N91-11954
	05	p0627	N91-13476
	05	p0648	N91-13594
	05	p0648	N91-13595
	05	p0652	N91-13621
	05	p0652	N91-13622
	05	p0659	N91-13658
	05	p0662	N91-13679
	05	p0670	N91-13724
	05	p0678	N91-13767
	05	p0683	N91-13796
	05	p0696	N91-13876
	05	p0698	N91-13888
	05	p0716	N91-13998
	05	p0725	N91-14049
	06	p0788	N91-14359
	06	p0792	N91-14379
	07	p1014	N91-15566
	07	p1026	N91-15630
	07	p1056	N91-15799
	07	p1074	N91-15913
	07	p1081	N91-15951
	08	p1188	N91-16532
	08	p1188	N91-16533
	08	p1189	N91-16534
	08	p1189	N91-16535
	08	p1255	N91-16908
	12	p1936	N91-20651
	13	p2076	N91-21434
	13	p2097	N91-21544
	13	p2111	N91-21621
	15	p2465	N91-23662
	15	p2489	N91-23783
	15	p2507	N91-23890
	16	p2639	N91-24603
	16	p2688	N91-24878
	17	p2767	N91-25316
	17	p2767	N91-25318
	17	p2779	N91-25380
	17	p2839	N91-25693
	17	p2864	N91-25841
	19	p3115	N91-27210
	19	p3143	N91-27372
	19	p3146	N91-27385
	19	p3155	N91-27439
	19	p3161	N91-27478
	19	p3247	N91-27957
	22	p3699	N91-30597
	24	p4024	N91-32489
	24	p4028	N91-32509
	24	p4028	N91-32510
	24	p4082	N91-32805
	24	p4102	N91-32923
	24	p4103	N91-32924
	24	p4103	N91-32925
	24	p4103	N91-32926
NAS7-1020	12	p1944	N91-20696
NAS7-1037	15	p2507	N91-23891
NAS7-1063	16	p2629	N91-24557
NAS7-1072	06	p0833	N91-14603
NAS8-30300	10	p1488	N91-18198
NAS8-30490	01	p0019	N91-10115
	02	p0184	N91-11034
	04	p0494	N91-12746
	04	p0494	N91-12747
	04	p0495	N91-12749
	05	p0643	N91-13569
	05	p0643	N91-13570
	05	p0661	N91-13675
	06	p0800	N91-14415
	06	p0800	N91-14416
	06	p0829	N91-14581
	08	p1104	N91-16064
	09	p1301	N91-17139
	10	p1491	N91-18208
	10	p1506	N91-18288
	10	p1527	N91-18406
	11	p1664	N91-19172
	12	p1858	N91-20203
	13	p2042	N91-21230
	13	p2042	N91-21231
	14	p2225	N91-22303
	14	p2225	N91-22304
	14	p2273	N91-22573
	18	p2936	N91-26195
	18	p2938	N91-26203
	19	p3114	N91-27203
	20	p3291	N91-28192
	22	p3640	N91-30261
	22	p3641	N91-30262
	22	p3641	N91-30263
	22	p3641	N91-30264
NAS8-32488	05	p0684	N91-13807
	16	p2564	N91-24217
	24	p4041	N91-32579
NAS8-32828	13	p2183	N91-22063
NAS8-32902	05	p0744	N91-14149
	05	p0763	N91-14240
NAS8-35318	09	p1286	N91-17068
NAS8-35350	10	p1551	N91-18531
NAS8-35900	06	p0933	N91-15119
	06	p0933	N91-15120
	07	p1086	N91-15974
NAS8-36103	04	p0492	N91-12737
	04	p0493	N91-12738
NAS8-36122	03	p0429	N91-12401
	07	p1078	N91-15930
NAS8-36166	18	p2956	N91-26313
NAS8-36183	21	p3529	N91-29603
NAS8-36195	23	p3803	N91-31214
NAS8-36223	16	p2628	N91-24554
NAS8-36289	17	p2738	N91-25156
NAS8-36292	09	p1353	N91-17434
	09	p1379	N91-17579
NAS8-36307	12	p1937	N91-20658
NAS8-36361	10	p1531	N91-18435
NAS8-36369	13	p2043	N91-21235
NAS8-36431	02	p0258	N91-11432
NAS8-36433	04	p0495	N91-12748
	22	p3629	N91-30195
NAS8-36461	14	p2244	N91-22416
NAS8-36551	16	p2563	N91-24212
NAS8-36552	05	p0630	N91-13489
NAS8-36555	21	p3510	N91-29488
NAS8-36583	06	p0791	N91-14373
NAS8-36634	19	p3269	N91-28080
NAS8-36643	23	p3804	N91-31215
NAS8-36649	21	p3479	N91-29297
	21	p3573	N91-29865
NAS8-36717	10	p1491	N91-18209
NAS8-36946	02	p0185	N91-11037
	02	p0185	N91-11038
NAS8-36955	11	p1663	N91-19164
	11	p1817	N91-19980
	12	p1858	N91-20205
	14	p2284	N91-22629
	16	p2682	N91-24847
	18	p2937	N91-26201
	18	p2972	N91-26407
	19	p3214	N91-27765
	19	p3214	N91-27766
	22	p3755	N91-30931
	22	p3759	N91-30954
	24	p3978	N91-32221
	24	p3981	N91-32236
NAS8-36994	13	p2042	N91-21232
	16	p2587	N91-24340
NAS8-37107	09	p1405	N91-17732
NAS8-37127	08	p1182	N91-16503
	24	p4062	N91-32691
NAS8-37136	14	p2235	N91-22366
	14	p2236	N91-22374
NAS8-37137	14	p2235	N91-22368
NAS8-37142	18	p3016	N91-26655
NAS8-37195	21	p3552	N91-29737
NAS8-37200	10	p1629	N91-18983
NAS8-37284	05	p0689	N91-13832
NAS8-37365	09	p1300	N91-17135
NAS8-37377	08	p1186	N91-16523
NAS8-37378	23	p3802	N91-31204
NAS8-37437	12	p1879	N91-20327
NAS8-37457	02	p0184	N91-11031
NAS8-37463	23	p3914	N91-31853
NAS8-37580	11	p1725	N91-19498
NAS8-37586	14	p2235	N91-22364
NAS8-37589	08	p1150	N91-16332
	08	p1150	N91-16333
	08	p1150	N91-16334
NAS8-37590	09	p1339	N91-17351
	09	p1339	N91-17352
	09	p1339	N91-17353
NAS8-37592	16	p2629	N91-24558
NAS8-37593	18	p2937	N91-26196
	19	p3172	N91-27539
NAS8-37594	16	p2614	N91-24471
NAS8-37595	16	p2587	N91-24339
NAS8-37680	16	p2666	N91-24753
NAS8-37682	13	p2043	N91-21239

NAS8-37743 05 p0627 N91-13474
NAS8-37752 05 p0663 N91-13688
NAS8-37764 13 p2094 N91-21526
NAS8-37775 02 p0188 N91-11054
02 p0189 N91-11055
16 p2571 N91-24251
NAS8-37776 16 p2571 N91-24248
16 p2572 N91-24252
NAS8-37777 01 p0019 N91-10111
01 p0019 N91-10112
01 p0019 N91-10113
01 p0019 N91-10114
NAS8-37778 16 p2571 N91-24247
NAS8-37779 21 p3521 N91-29554
NAS8-37814 05 p0693 N91-13856
NAS8-37850 22 p3627 N91-30181
NAS8-37857 06 p0788 N91-14358
15 p2385 N91-23200
22 p3626 N91-30175
NAS8-37893 17 p2814 N91-25553
NAS8-37916 07 p1082 N91-15953
NAS8-38080 21 p3468 N91-29233
NAS8-38083 24 p4026 N91-32497
NAS8-38135 12 p1924 N91-20589
NAS8-38138 15 p2390 N91-23229
NAS8-38142 11 p1663 N91-19162
11 p1663 N91-19163
NAS8-38175 14 p2267 N91-22541
14 p2267 N91-22542
17 p2813 N91-25548
NAS8-38188 11 p1674 N91-19223
NAS8-38427 08 p1103 N91-16056
NAS8-38607 13 p2094 N91-21530
NAS8-38666 14 p2235 N91-22365
NAS8-38669 16 p2612 N91-24463
NAS8-38771 22 p3624 N91-30161
NAS8-38800 22 p3640 N91-30260
NAS8-40000 02 p0220 N91-11233
02 p0263 N91-11474
10 p1487 N91-18191
13 p2013 N91-21070
NAS9-14880 11 p1765 N91-19711
NAS9-15343 17 p2820 N91-25586
NAS9-16023 21 p3464 N91-29211
NAS9-16042 17 p2819 N91-25579
NAS9-16874 17 p2820 N91-25583
NAS9-17222 06 p0851 N91-14700
06 p0852 N91-14701
NAS9-17325 01 p0014 N91-10085
NAS9-17326 04 p0556 N91-13081
06 p0855 N91-14719
NAS9-17394 02 p0235 N91-11310
NAS9-17590 02 p0205 N91-11148
NAS9-17616 16 p2631 N91-24566
NAS9-17814 12 p1937 N91-20656
NAS9-17877 22 p3625 N91-30168
22 p3655 N91-30344
22 p3656 N91-30346
22 p3656 N91-30347
22 p3656 N91-30348
22 p3656 N91-30349
22 p3704 N91-30616
NAS9-17885 23 p3919 N91-31890
NAS9-17900 12 p1938 N91-20663
12 p1939 N91-20664
12 p1948 N91-20719
13 p2075 N91-21427
23 p3904 N91-31793
NAS9-17962 19 p3173 N91-27541
NAS9-17981 23 p3905 N91-31798
NAS9-18000 09 p1288 N91-17081
NAS9-18051 16 p2636 N91-24594
NAS9-18057 12 p1942 N91-20684
14 p2313 N91-22777
14 p2314 N91-22778
NAS9-18142 04 p0517 N91-12874
NAS9-18147 01 p0017 N91-10102
19 p3173 N91-27540
NAS9-18187 16 p2691 N91-24898
NAS9-18255 22 p3628 N91-30187
NAS9-18492 24 p4077 N91-32776
NAS10-11475 22 p3639 N91-30254
22 p3640 N91-30255
22 p3640 N91-30256
22 p3640 N91-30257
22 p3640 N91-30258
22 p3640 N91-30259
NAS10-11568 20 p3292 N91-28198
NAS10-11606 12 p1941 N91-20681
14 p2314 N91-22783
NAS10-11624 01 p0073 N91-10442
11 p1765 N91-19711
13 p2113 N91-21635
15 p2477 N91-23718
18 p3036 N91-26759
NATO-RG-85-0240 22 p3731 N91-30770
22 p3745 N91-30868
NATO-RG674-88 09 p1391 N91-17656
NATO-0474/87 02 p0193 N91-11080
NAVY PROJ. TM33I311 19 p3215 N91-27770
NA85AA-D-SG141 15 p2459 N91-23624
NA86AA-D-SG040 10 p1558 N91-18567
21 p3547 N91-29706
21 p3547 N91-29707
NA86AA-D-SG089 01 p0118 N91-10698
21 p3533 N91-29630
NA88-RAH-08115 17 p2812 N91-25541
NCA2-101 23 p3905 N91-31795
NCA2-223 08 p1095 N91-16012
NCA2-269 06 p0892 N91-14931
NCA2-279 05 p0742 N91-14138
NCCW-10 13 p2081 N91-21463
NCC1-15 13 p2100 N91-21557
NCC1-25 05 p0690 N91-13837
NCC1-68 01 p0040 N91-10238
02 p0186 N91-11042
13 p2021 N91-21117
NCC1-90 02 p0200 N91-11118
NCC1-99 07 p1019 N91-15599
NCC1-100 24 p4014 N91-32441
NCC1-106 22 p3704 N91-30613
NCC1-122 01 p0007 N91-10039
NCC1-126 19 p3137 N91-27331
NCC1-128 21 p3494 N91-29390
NCC1-130 17 p2859 N91-25807
NCC1-136 09 p1325 N91-17277
16 p2672 N91-24788
NCC2-12 19 p3266 N91-28064
NCC2-55 22 p3622 N91-30152
NCC2-055 02 p0161 N91-10934
NCC2-100 23 p3902 N91-31777
NCC2-186 16 p2626 N91-24543
NCC2-275 04 p0577 N91-13210
12 p1966 N91-20818
NCC2-333 13 p2094 N91-21527
13 p2094 N91-21528
13 p2094 N91-21529
NCC2-346 18 p3085 N91-27057
NCC2-352 09 p1449 N91-17993
NCC2-371 08 p1105 N91-16065
08 p1221 N91-16727
08 p1221 N91-16728
10 p1496 N91-18237
10 p1591 N91-18772
NCC2-374 05 p0633 N91-13510
05 p0656 N91-13644
05 p0656 N91-13645
06 p0858 N91-14734
09 p1338 N91-17349
NCC2-377 19 p3103 N91-27144
NCC2-387 24 p4021 N91-32472
24 p4035 N91-32545
24 p4081 N91-32797
24 p4081 N91-32798
24 p4081 N91-32799
24 p4081 N91-32800
24 p4082 N91-32801
24 p4082 N91-32802
24 p4084 N91-32814
24 p4084 N91-32815
24 p4084 N91-32816
24 p4084 N91-32817
24 p4084 N91-32818
24 p4085 N91-32819
24 p4085 N91-32820
24 p4085 N91-32821
24 p4085 N91-32822
24 p4087 N91-32836
24 p4089 N91-32844
24 p4089 N91-32845
24 p4089 N91-32846
24 p4089 N91-32847
24 p4089 N91-32848
24 p4091 N91-32859
24 p4092 N91-32864
24 p4093 N91-32865
24 p4116 N91-33005
NCC2-408 24 p4081 N91-32797
24 p4081 N91-32798
24 p4087 N91-32836
NCC2-420 06 p0825 N91-14558
07 p1001 N91-15497
NCC2-426 03 p0417 N91-12335
NCC2-455 19 p3266 N91-28064
NCC2-478 05 p0633 N91-13506
NCC2-492 19 p3268 N91-28077
NCC2-501 19 p3267 N91-28070
NCC2-507 01 p0014 N91-10083
06 p0772 N91-14277
18 p2921 N91-26114
NCC2-521 17 p2860 N91-25819
NCC2-522 14 p2187 N91-22079
NCC2-531 07 p1081 N91-15947
19 p3259 N91-28025
NCC2-539 04 p0560 N91-13108
NCC2-540 14 p2262 N91-22512
NCC2-542 05 p0712 N91-13971
NCC2-552 10 p1496 N91-18237
10 p1591 N91-18772
NCC2-562 02 p0208 N91-11165
05 p0655 N91-13639
NCC2-569 19 p3184 N91-27610
NCC2-577 05 p0766 N91-14255
NCC2-578 19 p3207 N91-27724
NCC2-579 08 p1091 N91-15987
NCC2-592 12 p1947 N91-20711
NCC2-598 01 p0056 N91-10333
NCC2-603 05 p0704 N91-13929
NCC2-604 15 p2384 N91-23195
NCC2-605 07 p0938 N91-15139
20 p3341 N91-28503
NCC2-616 14 p2186 N91-22071
NCC2-620 19 p3100 N91-27126
NCC2-621 15 p2488 N91-23776
NCC2-622 14 p2256 N91-22475
NCC2-664 22 p3612 N91-30095
NCC2-678 05 p0641 N91-13554
NCC2-680 22 p3775 N91-31056
NCC2-683 16 p2546 N91-24105
NCC3-19 12 p1858 N91-20204
NCC3-40 18 p3072 N91-26976
NCC3-63 18 p2943 N91-26234
NCC3-69 17 p2768 N91-25319
NCC3-72 19 p3117 N91-27224
NCC3-73 06 p0817 N91-14511
NCC3-74 08 p1153 N91-16350
NCC3-81 13 p2044 N91-21243
NCC3-89 05 p0637 N91-13534
05 p0638 N91-13535
14 p2252 N91-22460
NCC3-94 12 p1871 N91-20284
19 p3121 N91-27242
NCC3-107 06 p0819 N91-14527
NCC3-111 14 p2243 N91-22410
NCC3-120 14 p2278 N91-22601
NCC3-127 18 p3067 N91-26944
NCC3-130 11 p1696 N91-19343
NCC3-133 03 p0325 N91-11806
NCC3-135 12 p1901 N91-20457
13 p2088 N91-21489
NCC3-146 12 p1880 N91-20335
NCC3-153 11 p1642 N91-19054
NCC3-158 08 p1126 N91-16191
NCC3-162 11 p1687 N91-19296
NCC3-167 18 p2977 N91-26434
NCC3-175 10 p1517 N91-18352
NCC3-180 11 p1701 N91-19367
22 p3676 N91-30468
22 p3677 N91-30476
NCC3-192 16 p2619 N91-24499
19 p3156 N91-27445
NCC3-195 19 p3106 N91-27160
NCC3-203 17 p2768 N91-25320
NCC5-29 06 p0848 N91-14684
NCC8-14 04 p0556 N91-13082
04 p0556 N91-13083
11 p1775 N91-19735
14 p2303 N91-22723
NCC8-16 23 p3927 N91-31947
NCC9-16 01 p0134 N91-10793
01 p0134 N91-10794
01 p0134 N91-10795
03 p0319 N91-11783
03 p0426 N91-12385
04 p0489 N91-12715
04 p0489 N91-12716
04 p0489 N91-12717
04 p0489 N91-12718
04 p0489 N91-12719
04 p0489 N91-12720
04 p0550 N91-13051
04 p0557 N91-13084
04 p0557 N91-13085
04 p0557 N91-13086
04 p0557 N91-13087
04 p0557 N91-13089
04 p0557 N91-13090
04 p0558 N91-13091
04 p0558 N91-13092
04 p0558 N91-13093
04 p0558 N91-13094
04 p0558 N91-13095
04 p0558 N91-13096
04 p0559 N91-13097
04 p0559 N91-13098
04 p0559 N91-13099
04 p0559 N91-13100
04 p0559 N91-13101

	04	p0559	N91-13102
	04	p0560	N91-13103
	04	p0560	N91-13104
	04	p0560	N91-13105
	04	p0567	N91-13147
	04	p0601	N91-13348
	04	p0601	N91-13349
	04	p0604	N91-13362
	04	p0605	N91-13363
	04	p0605	N91-13364
	04	p0608	N91-13382
	05	p0701	N91-13906
	09	p1293	N91-17106
	09	p1386	N91-17623
	09	p1386	N91-17624
	09	p1387	N91-17627
	10	p1567	N91-18616
	10	p1570	N91-18632
	11	p1774	N91-19722
	12	p1856	N91-20202
	12	p1960	N91-20784
	12	p1960	N91-20785
	12	p1960	N91-20786
	12	p1960	N91-20787
	12	p1961	N91-20788
	12	p1961	N91-20789
	12	p1961	N91-20790
	12	p1961	N91-20791
	12	p1961	N91-20792
	12	p1961	N91-20793
	12	p1961	N91-20794
	12	p1961	N91-20795
	12	p1962	N91-20796
	13	p2070	N91-21403
	13	p2132	N91-21739
	13	p2133	N91-21741
	13	p2139	N91-21776
	13	p2141	N91-21789
	13	p2141	N91-21790
	13	p2142	N91-21791
	13	p2165	N91-21940
	13	p2167	N91-21955
	13	p2168	N91-21966
	14	p2233	N91-22352
	14	p2303	N91-22720
	14	p2303	N91-22724
	14	p2304	N91-22728
	14	p2304	N91-22731
	15	p2481	N91-23731
	16	p2651	N91-24671
	16	p2672	N91-24790
	16	p2672	N91-24791
	17	p2828	N91-25621
	17	p2828	N91-25622
	17	p2829	N91-25626
	17	p2830	N91-25631
	17	p2830	N91-25632
	17	p2830	N91-25633
	17	p2830	N91-25634
	17	p2830	N91-25635
	17	p2830	N91-25636
	17	p2831	N91-25637
	17	p2831	N91-25638
	17	p2831	N91-25639
	17	p2831	N91-25640
	17	p2831	N91-25641
	17	p2838	N91-25685
	17	p2838	N91-25686
	18	p3038	N91-26766
	24	p4082	N91-32803
	24	p4082	N91-32804
	24	p4085	N91-32823
	24	p4085	N91-32824
	24	p4085	N91-32825
	24	p4086	N91-32826
	24	p4086	N91-32827
	24	p4086	N91-32828
	24	p4086	N91-32829
	24	p4086	N91-32830
	24	p4087	N91-32837
	24	p4087	N91-32838
	24	p4088	N91-32839
NCC10-001	03	p0396	N91-12199
	03	p0418	N91-12336
NCHRP PROJ. 14-10	22	p3766	N91-30993
NDH-3600-1-9-3594-01-SV	23	p3801	N91-31199
NERC-GR3/5896	24	p4065	N91-32710
NET-88-1-82	08	p1230	N91-16781
NFR-E-DG-2923-300	23	p3896	N91-31747
NFR-G-GU-1705-311	15	p2469	N91-23679
	23	p3896	N91-31747
NGL-05-003-497	06	p0900	N91-14976
NGL-05-005-007	09	p1401	N91-17714
	09	p1402	N91-17717
NGL-22-009-640	11	p1637	N91-19026
NGL-31-001-252	11	p1639	N91-19038
	11	p1639	N91-19039
	12	p1943	N91-20692
	17	p2732	N91-25129
NGR-05-003-805	06	p0888	N91-14909
NGR-06-002-112	17	p2741	N91-25171
NGR-21-002-316	01	p0137	N91-10810
NGR-33-010-082	09	p1310	N91-17191
NGR-33-010-101	07	p1083	N91-15957
NGR-33-010-220	09	p1310	N91-17191
NGR-33-018-148	06	p0898	N91-14961
NGT-01-002-099	10	p1626	N91-18967
	10	p1626	N91-18968
	10	p1626	N91-18969
	10	p1626	N91-18970
	10	p1627	N91-18971
	10	p1627	N91-18972
	10	p1627	N91-18973
	10	p1627	N91-18975
	10	p1628	N91-18976
	10	p1628	N91-18977
	10	p1628	N91-18978
	10	p1628	N91-18979
	10	p1628	N91-18980
	10	p1629	N91-18981
	10	p1629	N91-18982
	10	p1629	N91-18984
	10	p1629	N91-18985
	10	p1630	N91-18986
	10	p1630	N91-18987
	10	p1630	N91-18988
	10	p1630	N91-18989
	10	p1630	N91-18991
	10	p1631	N91-18993
	10	p1631	N91-18994
	10	p1631	N91-18996
	10	p1631	N91-18997
	10	p1632	N91-18998
	10	p1632	N91-18999
	10	p1632	N91-19000
	10	p1632	N91-19001
	10	p1632	N91-19002
	10	p1632	N91-19003
	10	p1633	N91-19004
	10	p1633	N91-19005
	10	p1633	N91-19007
	10	p1633	N91-19008
	10	p1633	N91-19009
	10	p1634	N91-19010
	10	p1634	N91-19011
	10	p1634	N91-19012
	10	p1634	N91-19013
	10	p1634	N91-19014
	10	p1634	N91-19015
	10	p1634	N91-19016
	10	p1635	N91-19017
	10	p1635	N91-19018
	10	p1635	N91-19019
	10	p1635	N91-19020
	10	p1635	N91-19021
NGT-01-008-021	10	p1631	N91-18992
NGT-21-002-254	17	p2877	N91-25914
NGT-21-002-800	03	p0319	N91-11782
	08	p1101	N91-16045
	08	p1102	N91-16050
NGT-22-005-900	19	p3271	N91-28095
NGT-44-005-803	18	p3091	N91-27088
	18	p3091	N91-27089
	18	p3091	N91-27090
	18	p3092	N91-27091
	18	p3092	N91-27092
	18	p3092	N91-27093
	18	p3092	N91-27094
	18	p3093	N91-27095
	18	p3093	N91-27096
	18	p3093	N91-27097
	18	p3093	N91-27098
	18	p3093	N91-27099
	18	p3094	N91-27100
	18	p3094	N91-27101
	18	p3094	N91-27102
	18	p3094	N91-27103
	18	p3095	N91-27104
	18	p3095	N91-27105
	18	p3095	N91-27106
	18	p3095	N91-27107
	18	p3095	N91-27108
	18	p3096	N91-27109
	18	p3096	N91-27110
	18	p3096	N91-27111
	18	p3096	N91-27112
	18	p3096	N91-27113
	18	p3096	N91-27114
	18	p3097	N91-27115
	18	p3097	N91-27116
	18	p3097	N91-27117
NGT-47-020-800	04	p0593	N91-13309
NGT-504-05	19	p3214	N91-27763
NGT-40016	22	p3668	N91-30426
NGT-50130	19	p3276	N91-28123
NGT-50185	06	p0888	N91-14909
NGT-50341	04	p0460	N91-12572
NGT-50406	12	p1828	N91-20048
NGT-50642	11	p1781	N91-19771
NGT-50661	17	p2893	N91-25994
NGT-60002	11	p1824	N91-20022
	11	p1824	N91-20023
	11	p1824	N91-20024
	11	p1824	N91-20025
	11	p1824	N91-20026
	11	p1824	N91-20027
	11	p1825	N91-20028
	11	p1825	N91-20029
	11	p1825	N91-20030
	11	p1825	N91-20031
	11	p1825	N91-20032
	11	p1825	N91-20033
	11	p1825	N91-20034
	11	p1826	N91-20035
	11	p1826	N91-20036
	11	p1826	N91-20037
	11	p1826	N91-20038
NGT-90020	19	p3272	N91-28097
NIEHS-ES0156611	05	p0693	N91-13859
NIH-AM-26710	09	p1372	N91-17543
NIH-AR-31239	19	p3269	N91-28083
NIH-CA-38645	05	p0693	N91-13859
NIH-ES-00138	05	p0693	N91-13859
NIH-H-08945	05	p0693	N91-13859
NIH-HD-17047	05	p0693	N91-13859
NIH-HD-18655	05	p0693	N91-13859
NIH-HD-20381	05	p0693	N91-13859
NIH-NS-10939-11	15	p2490	N91-23787
NIH-P01-NS-12732	05	p0712	N91-13971
NIH-RR-01838	05	p0693	N91-13859
	08	p1190	N91-16542
NIST-NANB5H0551	01	p0033	N91-10193
NIST-60NANBBD0845	19	p3146	N91-27386
NIVR-RB-3111-01201N	23	p3869	N91-31579
NIVR-1604N	23	p3789	N91-31131
NIVR-2404N	22	p3679	N91-30486
NIVR-01507-N	14	p2278	N91-22599
NIVR-01705N/03505N	22	p3646	N91-30291
NIVR-02502N	22	p3680	N91-30494
NIVR-02506N	22	p3689	N91-30542
NMRI PROJ. M00-99	19	p3212	N91-27755
NOAA-NA85RAH05045	13	p2120	N91-21666
NOAA-50-DGNW-0-00041	21	p3545	N91-29694
NOVEM-20-35-016-30	17	p2756	N91-25255
NOVEM-41/33-020/10	02	p0232	N91-11294
	03	p0386	N91-12152
NR PROJ. BR0-2301	21	p3514	N91-29513
NR PROJ. RH2-1522	18	p2983	N91-26474
NR PROJ. RM3-5-G-80	21	p3543	N91-29688
NR PROJ. RM3-5-G-84	21	p3546	N91-29704
NR PROJ. RR0-1108	22	p3749	N91-30900
NR PROJ. RR0-1109	18	p2983	N91-26470
NR PROJ. RR0-1301	19	p3205	N91-27714
NR PROJ. RR0-1404	21	p3566	N91-29824
NR PROJ. RR0-2201	16	p2647	N91-24657
NR PROJ. RR0-3103	14	p2291	N91-22672
NR PROJ. RR0-4106	19	p3209	N91-27739
NR PROJ. RR0-4108	18	p2950	N91-26280
	18	p3030	N91-26731
	19	p3160	N91-27470
	21	p3506	N91-29459
	22	p3716	N91-30681
NR PROJ. RR0-4204	03	p0396	N91-12200
	03	p0396	N91-12201
	03	p0412	N91-12307
	03	p0413	N91-12308
	09	p1393	N91-17665
	18	p3053	N91-26862
	19	p3238	N91-27903
NR PROJ. RR0-4206	03	p0413	N91-12313
	04	p0570	N91-13164
	05	p0709	N91-13951
	09	p1422	N91-17830
	12	p1974	N91-20860
	15	p2492	N91-23800
	16	p2664	N91-24741
	16	p2670	N91-24774
	16	p2700	N91-24953
	18	p3034	N91-26749
	18	p3051	N91-26847
	21	p3551	N91-29732
NR PROJ. RR0-4209	04	p0553	N91-13070
NR PROJ. RR0-5202	21	p3566	N91-29824
NR PROJ. RR0-42046	23	p3900	N91-31771
NR PROJ. RR1-2132	19	p3150	N91-27410
NR PROJ. RV3-6121	18	p3038	N91-26769
NR PROJ. RZ6-6512	18	p2972	N91-26406
NR PROJ. R08-38	04	p0510	N91-12831

NR PROJ. W13-55	19	p3160	N91-27472
NR PROJ. Y08-17	19	p3187	N91-27622
NR PROJ. 042-267	06	p0867	N91-14794
	07	p1060	N91-15831
	08	p1211	N91-16666
NR PROJ. 627838	04	p0500	N91-12777
NR PROJ. 667549	08	p1191	N91-16549
NRC-FIN-B-2920	04	p0533	N91-12960
NSERC-A-4638	09	p1401	N91-17715
NSERC-OGP-046506	22	p3747	N91-30888
NSERC-OGP-0036747	22	p3746	N91-30874
	22	p3747	N91-30888
	22	p3748	N91-30889
NSF ASC-87-15728	08	p1196	N91-16573
NSF ASC-87-19573	06	p0865	N91-14781
NSF ASC-88-19373	01	p0108	N91-10629
	02	p0252	N91-11397
	02	p0257	N91-11430
	13	p2130	N91-21724
	22	p3728	N91-30750
NSF ASC-88-19374	01	p0103	N91-10599
	10	p1566	N91-18610
	13	p2130	N91-21724
	17	p2832	N91-25644
NSF ASC-89-58544	14	p2305	N91-22735
NSF ASC-90-05874	13	p2080	N91-21456
	13	p2143	N91-21801
NSF AST-84-14594	19	p3273	N91-28104
NSF AST-84-51725	08	p1263	N91-16953
NSF AST-85-15644	14	p2345	N91-22963
NSF AST-85-16173	09	p1442	N91-17948
NSF AST-85-21636	14	p2345	N91-22962
NSF AST-86-02698	05	p0743	N91-14142
NSF AST-86-12013	01	p0077	N91-10462
NSF AST-86-13257	05	p0745	N91-14154
NSF AST-86-15177	05	p0752	N91-14186
NSF AST-86-15816	07	p1083	N91-15960
NSF AST-87-14721	05	p0759	N91-14220
NSF AST-87-15905	05	p0753	N91-14194
	05	p0755	N91-14205
NSF AST-87-17867	05	p0757	N91-14212
NSF AST-87-19607	09	p1438	N91-17926
	09	p1441	N91-17942
	09	p1441	N91-17946
NSF AST-88-02687	09	p1442	N91-17949
NSF AST-88-02689	09	p1442	N91-17949
NSF AST-88-18215	09	p1430	N91-17873
	09	p1438	N91-17926
	09	p1441	N91-17942
	09	p1441	N91-17943
	09	p1441	N91-17944
	09	p1441	N91-17945
	09	p1441	N91-17946
	09	p1442	N91-17948
NSF AST-88-18327	13	p2176	N91-22015
NSF AST-88-18606	05	p0759	N91-14223
NSF AST-88-18900	05	p0763	N91-14240
	08	p1257	N91-16922
NSF AST-88-22595	09	p1428	N91-17860
	10	p1617	N91-18918
	20	p3402	N91-28858
	20	p3443	N91-29109
NSF AST-89-01685	24	p4118	N91-33016
	24	p4118	N91-33017
NSF AST-89-12869	12	p2002	N91-21017
	12	p2003	N91-21022
NSF AST-89-15258	05	p0732	N91-14088
NSF AST-89-16110	19	p3263	N91-28050
NSF AST-89-18458	09	p1429	N91-17864
NSF AST-89-20861	18	p3083	N91-27047
NSF AST-89-96123	08	p1253	N91-16897
NSF AST-90-12180	17	p2893	N91-25993
NSF ATM-25-06632	05	p0752	N91-14190
NSF ATM-82-05468	24	p4047	N91-32609
NSF ATM-82-18621	24	p4047	N91-32609
NSF ATM-83-52205	01	p0075	N91-10454
NSF ATM-84-11311	09	p1404	N91-17728
NSF ATM-84-14020	09	p1362	N91-17484
NSF ATM-85-13975	01	p0075	N91-10453
	01	p0076	N91-10459
	01	p0077	N91-10460
	01	p0077	N91-10464
	01	p0080	N91-10478
NSF ATM-85-19160	01	p0077	N91-10462
NSF ATM-85-21214	01	p0081	N91-10479
	01	p0082	N91-10484
NSF ATM-86-00526	24	p4047	N91-32609
NSF ATM-86-05134	01	p0091	N91-10528
NSF ATM-86-07377	01	p0091	N91-10528
NSF ATM-86-15344	01	p0086	N91-10507
NSF ATM-86-15424	13	p2121	N91-21673
NSF ATM-86-17670	10	p1593	N91-18791
NSF ATM-86-17735	13	p2120	N91-21665
NSF ATM-86-19854	01	p0089	N91-10521
NSF ATM-86-20165	01	p0084	N91-10496
NSF ATM-87-05403	01	p0083	N91-10490
	01	p0083	N91-10493
NSF ATM-87-09659	01	p0141	N91-10828
NSF ATM-87-14674	03	p0445	N91-12487
NSF ATM-87-19371	09	p1405	N91-17731
NSF ATM-87-22145	03	p0441	N91-12468
NSF ATM-88-04273	10	p1553	N91-18539
NSF ATM-88-11128	02	p0294	N91-11651
	06	p0924	N91-15110
NSF ATM-88-12637	03	p0442	N91-12469
NSF ATM-88-14440	21	p3466	N91-29219
NSF ATM-88-16467	10	p1548	N91-18518
NSF ATM-88-17634	03	p0440	N91-12459
NSF ATM-89-00357	01	p0124	N91-10734
NSF ATM-89-19697	24	p4047	N91-32609
NSF BCS-89-08688	24	p4071	N91-32747
NSF BNS-85-18675	13	p2140	N91-21782
NSF CBT-88-14655	13	p2014	N91-21080
NSF CCR-83-20136	08	p1204	N91-16620
NSF CCR-86-11442	08	p1202	N91-16611
	18	p3040	N91-26780
NSF CCR-86-13353	08	p1201	N91-16606
NSF CCR-86-15337	07	p1052	N91-15779
NSF CCR-86-19663	03	p0401	N91-12233
NSF CCR-86-19817	07	p1060	N91-15831
	08	p1201	N91-16605
	09	p1391	N91-17654
	22	p3743	N91-30855
NSF CCR-87-04309	10	p1587	N91-18746
NSF CCR-87-18605	06	p0861	N91-14758
NSF CCR-88-10312	09	p1421	N91-17822
NSF CCR-88-20279	14	p2305	N91-22735
	15	p2448	N91-23561
	15	p2448	N91-23562
	15	p2495	N91-23816
NSF CCR-89-06949	07	p1052	N91-15779
NSF CCR-89-07654	18	p3050	N91-26838
	19	p3237	N91-27900
	21	p3565	N91-29817
NSF CCR-89-15206	18	p3040	N91-26780
NSF CCR-89-18729	21	p3565	N91-29818
NSF CCR-89-20694	08	p1201	N91-16606
NSF CCR-89-96272	12	p1963	N91-20799
NSF CCR-90-00000	05	p0705	N91-13933
NSF CCR-90-03440	19	p3218	N91-27785
NSF CCR-98-07666	03	p0401	N91-12233
NSF CDA-89-22510	16	p2671	N91-24781
NSF CDR-86-22236	11	p1697	N91-19345
NSF CDS-88-22724	09	p1387	N91-17631
NSF CES-86-14957	08	p1162	N91-16398
NSF CES-86-58019	17	p2786	N91-25418
NSF CHE-82-11164	03	p0345	N91-11934
NSF CHE-85-21391	09	p1395	N91-17673
NSF CHE-87-08581	10	p1596	N91-18807
NSF CHE-87-18057	10	p1499	N91-18251
NSF CHE-89-22288	06	p0805	N91-14445
NSF CHE-90-16789	20	p3395	N91-28820
NSF CTS-90-17181	10	p1462	N91-18063
NSF DCI-86-01152	08	p1204	N91-16622
	19	p3127	N91-27277
NSF DCR-84-20944	09	p1385	N91-17620
NSF DCR-85-04011	06	p0866	N91-14786
NSF DCR-85-13139	04	p0577	N91-13210
NSF DCR-85-21451	07	p1052	N91-15776
	17	p2842	N91-25704
NSF DCR-86-04199	12	p1879	N91-20330
NSF DCR-86-06366	22	p3746	N91-30874
NSF DDM-87-15153	09	p1383	N91-17606
	13	p2137	N91-21765
	14	p2307	N91-22748
NSF DDM-89-01495	08	p1205	N91-16626
NSF DIR-87-20084	19	p3209	N91-27738
NSF DIR-89-13670	07	p1023	N91-15617
NSF DMC-85-17315	15	p2490	N91-23787
NSF DMC-86-17355	04	p0568	N91-13151
NSF DMC-88-07550	08	p1201	N91-16605
	09	p1391	N91-17654
NSF DMO-86-17355	13	p2098	N91-21550
NSF DMR-83-20157	10	p1499	N91-18248
	10	p1501	N91-18260
NSF DMR-84-03831	04	p0507	N91-12814
NSF DMR-84-09390	03	p0359	N91-12009
NSF DMR-85-03223	19	p3271	N91-28092
NSF DMR-85-13731	09	p1317	N91-17232
NSF DMR-86-03174	06	p0810	N91-14472
	10	p1499	N91-18252
NSF DMR-86-08305	15	p2499	N91-23843
NSF DMR-87-02847	02	p0268	N91-11503
NSF DMR-87-14072	03	p0359	N91-12011
	03	p0423	N91-12365
	03	p0423	N91-12366
NSF DMR-87-14665	06	p0881	N91-14867
NSF DMR-87-19217	04	p0506	N91-12811
	10	p1503	N91-18273
NSF DMR-87-19738	02	p0281	N91-11580
NSF DMR-88-01260	02	p0268	N91-11503
NSF DMR-88-02401	01	p0130	N91-10768
NSF DMR-88-02487	08	p1235	N91-16810
NSF DMR-88-06756	07	p1071	N91-15894
	10	p1604	N91-18850
NSF DMR-88-09854	08	p1232	N91-16792
	09	p1414	N91-17786
	09	p1417	N91-17803
	09	p1418	N91-17804
	09	p1418	N91-17805
NSF DMR-88-10058	19	p3135	N91-27324
NSF DMR-88-13525	06	p0797	N91-14403
NSF DMR-88-14783	01	p0130	N91-10768
NSF DMR-88-18412	02	p0200	N91-11123
NSF DMR-88-19885	18	p2960	N91-26334
NSF DMR-88-21571	10	p1499	N91-18248
	10	p1501	N91-18260
NSF DMR-88-21625	10	p1593	N91-18791
NSF DMR-89-03138	06	p0810	N91-14472
	10	p1499	N91-18252
NSF DMR-89-12927	07	p1072	N91-15900
NSF DMR-89-13878	08	p1233	N91-16796
NSF DMR-89-103478	10	p1605	N91-18854
NSF DMS-80-07030	15	p2495	N91-23818
NSF DMS-84-05352	04	p0573	N91-13186
NSF DMS-85-0403	08	p1208	N91-16646
NSF DMS-86-07478	14	p2305	N91-22735
NSF DMS-87-01543	06	p0865	N91-14781
NSF DMS-87-01971	15	p2495	N91-23818
NSF DMS-87-12058	18	p2983	N91-26472
NSF DMS-87-13248	13	p2079	N91-21455
NSF DMS-87-14612	24	p4089	N91-32845
NSF DMS-87-17799	05	p0709	N91-13953
NSF DMS-88-06099	14	p2226	N91-22313
NSF DMS-88-10150	03	p0363	N91-12033
	13	p2080	N91-21456
	13	p2143	N91-21801
	16	p2549	N91-24126
	16	p2677	N91-24819
NSF DMS-88-11863	16	p2549	N91-24126
NSF DMS-88-14553	16	p2623	N91-24525
NSF DMS-88-14807	04	p0573	N91-13181
NSF DMS-88-18412	10	p1502	N91-18265
NSF DMS-88-18530	19	p3235	N91-27887
	19	p3235	N91-27888
NSF DMS-89-01445	15	p2495	N91-23818
NSF DMS-89-02331	23	p3921	N91-31904
NSF DMS-89-02532	22	p3722	N91-30712
NSF DMS-89-02576	08	p1210	N91-16661
NSF DMS-89-02662	06	p0862	N91-14764
NSF DMS-89-04740	05	p0708	N91-13950
	14	p2226	N91-22311
	20	p3391	N91-28789
	20	p3391	N91-28790
NSF DMS-89-07264	18	p2983	N91-26472
NSF DMS-89-13089	01	p0113	N91-10660
	04	p0565	N91-13135
	18	p3041	N91-26788
NSF DMS-89-14420	01	p0042	N91-10248
	05	p0710	N91-13962
NSF DMS-89-22154	21	p3566	N91-29826
NSF DMS-89-23071	05	p0709	N91-13953
	06	p0868	N91-14798
NSF DMS-90-00053	21	p3566	N91-29826
NSF DMS-90-12751	08	p1210	N91-16660
	15	p2488	N91-23775
NSF DMS-91-02857	21	p3566	N91-29826
NSF DPP-82-07470	09	p1362	N91-17484
NSF DPP-86-11623	10	p1553	N91-18539
NSF DPP-87-17023	09	p1362	N91-17484
NSF DPP-88-18229	08	p1178	N91-16487
NSF DPP-90-17562	12	p1916	N91-20541
NSF EAR 88-17173	19	p3191	N91-27645
NSF EAR-86-09218	07	p1083	N91-15957
NSF EAR-90-04750	19	p3191	N91-27645
NSF ECE-86-07591	02	p0235	N91-11315
NSF ECS 86-19859	03	p0407	N91-12269
NSF ECS-85-07405	15	p2493	N91-23806
	15	p2495	N91-23821
NSF ECS-85-17364	20	p3416	N91-28941
NSF ECS-87-15811	09	p1389	N91-17643
	13	p2142	N91-21793
NSF ECS-89-02528	09	p1300	N91-17134
NSF ECS-89-06260	04	p0565	N91-13135
	18	p3041	N91-26789
NSF ECS-89-13351	09	p1390	N91-17650
NSF ECS-89-57475	17	p2842	N91-25704
NSF EET-87-07109	17	p2842	N91-25704
NSF EET-87-16324	04	p0553	N91-13068
	04	p0562	N91-13117
NSF EET-87-19102	19	p3209	N91-27738
NSF G87-17773	10	p1567	N91-18613
NSF INT-85-14199	15	p2490	N91-23787
NSF INT-87-04953	10	p1592	N91-18778
NSF INT-89-14643	20	p3391	N91-28789
NSF IRI-84-10413	15	p2490	N91-23787
NSF IRI-85-19517	04	p0561	N91-13115
	08	p1242	N91-16844

NSF IRI-86-16644 ..... 04 p0570 N91-13161
NSF IRI-87-19394 ..... 18 p3040 N91-26781
NSF IRI-88-08896 ..... 13 p2098 N91-21549
NSF IRI-89-00267 ..... 04 p0553 N91-13069
NSF IRI-89-07122 ..... 15 p2525 N91-23993
NSF IRI-90-03252 ..... 13 p2140 N91-21783
NSF IRI-90-06137 ..... 14 p2308 N91-22752
19 p3219 N91-27790
NSF ISI-85-21282 ..... 04 p0556 N91-13081
NSF ISI-85-21570 ..... 09 p1332 N91-17315
NSF ISI-90-60142 ..... 24 p4038 N91-32562
NSF MCS-81-19196 ..... 15 p2490 N91-23787
NSF MIP-86-04893 ..... 15 p2482 N91-23738
NSF MIP-86-57563 ..... 20 p3384 N91-28747
NSF MIP-88-09478 ..... 16 p2672 N91-24789
NSF MIP-89-58559 ..... 04 p0577 N91-13211
NSF MIP-90-00894 ..... 19 p3230 N91-27858
NSF MSM-84-51157 ..... 10 p1462 N91-18063
NSF MSM-86-11164 ..... 16 p2623 N91-24525
NSF MSM-87-1843 ..... 09 p1418 N91-17807
NSF MSM-88-06257 ..... 23 p3885 N91-31679
NSF NAS-82-05616 ..... 06 p0849 N91-14686
NSF NCR-68-04850 ..... 19 p3151 N91-27420
NSF NCR-87-13726 ..... 19 p3149 N91-27405
19 p3149 N91-27406
NSF NCR-88-21764 ..... 08 p1197 N91-16581
NSF NCR-89-13623 ..... 12 p1964 N91-20804
NSF OCE-85-16133 ..... 03 p0442 N91-12469
NSF OCE-86-08328 ..... 03 p0442 N91-12469
NSF OCE-87-17144 ..... 06 p0851 N91-14699
NSF OCE-89-01012 ..... 03 p0393 N91-12186
21 p3607 N91-30070
NSF OCE-90-14447 ..... 09 p1357 N91-17457
NSF OCR-86-19817 ..... 09 p1390 N91-17649
NSF PHY-80-08495 ..... 08 p1239 N91-16827
NSF PHY-85-15857 ..... 05 p0728 N91-14068
NSF PHY-88-03035 ..... 09 p1396 N91-17685
NSF PHY-90-00036 ..... 16 p2685 N91-24868
16 p2685 N91-24869
NSF PHY-90-05763 ..... 10 p1592 N91-18778
NSF RII-86-10669 ..... 08 p1259 N91-16936
08 p1260 N91-16938
NSF R11-87-22796 ..... 05 p0752 N91-14190
NSF SES-87-22504 ..... 03 p0407 N91-12269
NSF STC-88-09054 ..... 09 p1416 N91-17793
NSF STC-88-09854 ..... 01 p0132 N91-10782
02 p0278 N91-11565
02 p0281 N91-11580
09 p1411 N91-17766
09 p1414 N91-17784
09 p1417 N91-17801
09 p1417 N91-17802
09 p1418 N91-17806
09 p1418 N91-17808
NSF UPP-84-19272 ..... 08 p1178 N91-16487
NSG-377 ..... 24 p3970 N91-32180
NSG-1414 ..... 14 p2229 N91-22328
NSG-1490 ..... 01 p0052 N91-10312
NSG-1498 ..... 05 p0618 N91-13428
NSG-1601 ..... 01 p0049 N91-10293
NSG-3188 ..... 14 p2270 N91-22562
14 p2272 N91-22570
NSG-3266 ..... 13 p2014 N91-21078
NSG-3273 ..... 20 p3321 N91-28384
NSG-5074 ..... 05 p0661 N91-13674
NSG-5123 ..... 01 p0105 N91-10608
14 p2303 N91-22721
NSG-5131 ..... 14 p2356 N91-23030
NSG-5153 ..... 06 p0843 N91-14657
NSG-5265 ..... 06 p0839 N91-14636
10 p1555 N91-18551
NSG-5393 ..... 12 p2003 N91-21024
12 p2003 N91-21025
NSG-5422 ..... 09 p1434 N91-17898
NSG-7205 ..... 09 p1425 N91-17846
NSG-7297 ..... 14 p2353 N91-23011
NSG-7315 ..... 14 p2353 N91-23011
NSG-7347 ..... 14 p2345 N91-22968
NSG-7415 ..... 18 p3085 N91-27056
NSG-7419 ..... 14 p2345 N91-22966
NSG-7632 ..... 09 p1404 N91-17728
NSG-7643 ..... 07 p0947 N91-15190
NSG-7827 ..... 09 p1405 N91-17731
NSG-8037 ..... 19 p3273 N91-28105
NSG-50333 ..... 12 p1904 N91-20472
NWO PROJ. 611-306-525 ..... 10 p1580 N91-18699
NWO-10-62-10 ..... 01 p0116 N91-10688
N00013-83-C-0476 ..... 19 p3112 N91-27193
N00014-6WR-24027 ..... 14 p2291 N91-22672
N00014-75-C-0225 ..... 13 p2124 N91-21693
N00014-79-C-0683 ..... 16 p2606 N91-24438
N00014-80-C-0116 ..... 03 p0381 N91-12128
12 p1914 N91-20525
13 p2105 N91-21589
N00014-80-C-0700 ..... 06 p0776 N91-14304
N00014-80-C-1116 ..... 18 p3000 N91-26566
21 p3471 N91-29249
N00014-80-C-9455 ..... 18 p3050 N91-26842
N00014-80-J-1796 ..... 19 p3242 N91-27931
N00014-81-K-0018 ..... 09 p1362 N91-17488
N00014-81-K-0162 ..... 12 p1972 N91-20851
N00014-81-K-0542 ..... 16 p2692 N91-24902
N00014-81-0503 ..... 19 p3175 N91-27553
N00014-82-C-0019 ..... 04 p0550 N91-13050
N00014-82-C-0157 ..... 03 p0409 N91-12285
N00014-82-C-0583 ..... 12 p1866 N91-20250
12 p1976 N91-20868
21 p3474 N91-29269
N00014-82-K-0193 ..... 08 p1129 N91-16210
08 p1160 N91-16387
08 p1204 N91-16620
09 p1387 N91-17629
09 p1387 N91-17631
N00014-82-K-0280 ..... 03 p0339 N91-11900
04 p0500 N91-12778
18 p2945 N91-26248
18 p2946 N91-26252
18 p2949 N91-26274
18 p2949 N91-26275
23 p3812 N91-31266
N00014-82-K-0317 ..... 03 p0359 N91-12011
03 p0423 N91-12365
03 p0423 N91-12366
N00014-82-K-0322 ..... 19 p3142 N91-27363
N00014-82-K-0489 ..... 10 p1553 N91-18539
N00014-82-K-0529 ..... 04 p0528 N91-12930
N00014-82-K-0603 ..... 06 p0823 N91-14549
N00014-82-K-0612 ..... 03 p0345 N91-11931
03 p0345 N91-11932
04 p0497 N91-12760
04 p0500 N91-12777
09 p1318 N91-17234
12 p1872 N91-20287
18 p2965 N91-26367
N00014-82-K-0621 ..... 12 p1983 N91-20910
N00014-82-K-0741 ..... 08 p1213 N91-16678
N00014-83-G-0082 ..... 19 p3272 N91-28097
N00014-83-K-0038 ..... 02 p0265 N91-11486
N00014-83-K-0125 ..... 04 p0563 N91-13124
04 p0563 N91-13126
08 p1202 N91-16611
N00014-83-K-0183 ..... 21 p3514 N91-29510
N00014-83-K-0494 ..... 08 p1223 N91-16740
N00014-83-K-0611 ..... 03 p0347 N91-11940
19 p3123 N91-27254
N00014-83-K-0638 ..... 19 p3256 N91-28013
N00014-84-C-0018 ..... 04 p0553 N91-13070
12 p1932 N91-20629
N00014-84-C-0111 ..... 12 p1926 N91-20599
N00014-84-C-0123 ..... 12 p1873 N91-20294
18 p2943 N91-26235
N00014-84-C-0134 ..... 08 p1125 N91-16185
N00014-84-C-0149 ..... 04 p0572 N91-13176
N00014-84-C-0261 ..... 05 p0725 N91-14051
N00014-84-C-0278 ..... 04 p0550 N91-13050
N00014-84-C-0513 ..... 03 p0392 N91-12181
N00014-84-C-0708 ..... 13 p2057 N91-21322
13 p2093 N91-21521
13 p2162 N91-21926
N00014-84-G-0201 ..... 03 p0345 N91-11934
15 p2398 N91-23279
18 p2938 N91-26206
18 p2947 N91-26260
18 p2947 N91-26261
N00014-84-K-0017 ..... 18 p3017 N91-26659
N00014-84-K-0021 ..... 05 p0633 N91-13508
N00014-84-K-0099 ..... 12 p1955 N91-20756
15 p2419 N91-23401
N00014-84-K-0201 ..... 16 p2601 N91-24412
N00014-84-K-0327 ..... 10 p1605 N91-18854
N00014-84-K-0367 ..... 20 p3416 N91-28941
N00014-84-K-0405 ..... 01 p0090 N91-10526
08 p1187 N91-16526
N00014-84-K-0447 ..... 22 p3653 N91-30329
N00014-84-K-0501 ..... 19 p3255 N91-28009
N00014-84-K-0542 ..... 12 p1974 N91-20860
N00014-84-K-0553 ..... 16 p2606 N91-24442
16 p2620 N91-24509
N00014-84-K-0557 ..... 13 p2050 N91-21282
N00014-84-K-0624 ..... 12 p1986 N91-20932
N00014-84-K-0656 ..... 08 p1110 N91-16098
12 p1865 N91-20245
N00014-84-K-0713 ..... 18 p2984 N91-26476
N00014-85-C-0040 ..... 16 p2672 N91-24790
N00014-85-C-0206 ..... 20 p3303 N91-28280
N00014-85-C-0279 ..... 12 p1881 N91-20342
N00014-85-C-0518 ..... 13 p2123 N91-21682
N00014-85-C-0638 ..... 16 p2600 N91-24410
N00014-85-C-0688 ..... 12 p1974 N91-20860
N00014-85-C-0857 ..... 04 p0504 N91-12797
14 p2240 N91-22388
N00014-85-C-0892 ..... 06 p0860 N91-14749
N00014-85-G-0093 ..... 08 p1195 N91-16567
N00014-85-J-1241 ..... 22 p3711 N91-30654
N00014-85-K-0042 ..... 04 p0587 N91-13276
N00014-85-K-0046 ..... 07 p1052 N91-15779
N00014-85-K-0124 ..... 03 p0374 N91-12095
03 p0386 N91-12150
03 p0396 N91-12203
04 p0475 N91-12654
04 p0553 N91-13069
04 p0561 N91-13111
04 p0562 N91-13119
04 p0576 N91-13205
07 p1036 N91-15685
08 p1135 N91-16244
08 p1205 N91-16624
08 p1207 N91-16640
09 p1372 N91-17543
09 p1383 N91-17603
09 p1389 N91-17642
13 p2137 N91-21766
13 p2137 N91-21767
15 p2481 N91-23732
18 p2994 N91-26535
18 p3040 N91-26781
18 p3040 N91-26782
18 p3045 N91-26809
18 p3045 N91-26810
19 p3232 N91-27870
19 p3235 N91-27890
22 p3740 N91-30833
22 p3746 N91-30880
N00014-85-K-0163 ..... 03 p0407 N91-12268
N00014-85-K-0168 ..... 04 p0563 N91-13124
08 p1202 N91-16611
18 p3040 N91-26780
N00014-85-K-0169 ..... 18 p3050 N91-26842
N00014-85-K-0195 ..... 19 p3236 N91-27894
N00014-85-K-0198 ..... 08 p1205 N91-16626
18 p3051 N91-26849
21 p3555 N91-29753
21 p3566 N91-29823
N00014-85-K-0222 ..... 16 p2606 N91-24443
16 p2606 N91-24445
N00014-85-K-0250 ..... 09 p1367 N91-17514
N00014-85-K-0296 ..... 09 p1412 N91-17774
N00014-85-K-0381 ..... 21 p3508 N91-29472
N00014-85-K-0397 ..... 03 p0366 N91-12052
N00014-85-K-0445 ..... 22 p3746 N91-30874
N00014-85-K-0471 ..... 03 p0381 N91-12127
N00014-85-K-0474 ..... 15 p2398 N91-23282
15 p2406 N91-23323
N00014-85-K-0488 ..... 18 p3050 N91-26839
18 p3050 N91-26841
N00014-85-K-0524 ..... 08 p1191 N91-16549
N00014-85-K-0527 ..... 21 p3515 N91-29518
N00014-85-K-0570 ..... 08 p1204 N91-16623
N00014-85-K-0581 ..... 01 p0076 N91-10458
01 p0080 N91-10478
01 p0081 N91-10483
N00014-85-K-0597 ..... 03 p0366 N91-12052
N00014-85-K-0617 ..... 06 p0881 N91-14868
N00014-85-K-0631 ..... 19 p3159 N91-27465
19 p3252 N91-27993
19 p3253 N91-27996
N00014-85-K-0632 ..... 04 p0507 N91-12815
18 p2961 N91-26342
19 p3157 N91-27451
N00014-85-K-0645 ..... 10 p1503 N91-18273
N00014-85-K-0685 ..... 18 p2978 N91-26446
N00014-85-K-0701 ..... 03 p0415 N91-12320
N00014-85-K-0705 ..... 09 p1364 N91-17499
N00014-85-K-0720 ..... 19 p3138 N91-27339
N00014-85-K-0807 ..... 15 p2490 N91-23787
N00014-85-K-0808 ..... 18 p2940 N91-26219
N00014-85-6-0093 ..... 11 p1812 N91-19952
N00014-85-0526 ..... 03 p0340 N91-11907
N00014-86-C-0038 ..... 14 p2271 N91-22565
N00014-86-C-0075 ..... 19 p3230 N91-27855
N00014-86-C-0086 ..... 08 p1223 N91-16740
N00014-86-C-0126 ..... 15 p2432 N91-23471
N00014-86-C-0206 ..... 02 p0266 N91-11489
N00014-86-C-0233 ..... 09 p1314 N91-17214
N00014-86-C-0247 ..... 10 p1569 N91-18627
N00014-86-C-0301 ..... 13 p2068 N91-21392
13 p2068 N91-21393
N00014-86-C-0460 ..... 09 p1410 N91-17758
09 p1410 N91-17759
16 p2694 N91-24915
16 p2694 N91-24919
N00014-86-C-0463 ..... 21 p3544 N91-29690
N00014-86-C-0567 ..... 08 p1128 N91-16202
N00014-86-C-0663 ..... 21 p3513 N91-29508
N00014-86-C-0724 ..... 04 p0510 N91-12836
N00014-86-C-2021 ..... 08 p1143 N91-16295
N00014-86-C-2197 ..... 03 p0400 N91-12225
13 p2073 N91-21421

N00014-86-C-2266 ..... 19 p3124 N91-27256
N00014-86-C-2379 ..... 19 p3159 N91-27467
N00014-86-C-2432 ..... 04 p0587 N91-13277
N00014-86-G-0215 ..... 19 p3254 N91-28005
N00014-86-K-0039 ..... 19 p3149 N91-27405
19 p3149 N91-27406
N00014-86-K-0041 ..... 19 p3209 N91-27738
19 p3234 N91-27880
N00014-86-K-0066 ..... 03 p0365 N91-12043
N00014-86-K-0092 ..... 19 p3218 N91-27785
N00014-86-K-0133 ..... 15 p2407 N91-23326
N00014-86-K-0180 ..... 09 p1372 N91-17543
N00014-86-K-0204 ..... 10 p1569 N91-18631
11 p1775 N91-19732
N00014-86-K-0214 ..... 21 p3596 N91-30003
N00014-86-K-0245 ..... 08 p1240 N91-16837
N00014-86-K-0246 ..... 23 p3937 N91-32001
N00014-86-K-0275 ..... 10 p1499 N91-18251
N00014-86-K-0290 ..... 18 p3051 N91-26847
N00014-86-K-0309 ..... 09 p1389 N91-17641
19 p3175 N91-27557
N00014-86-K-0310 ..... 07 p1052 N91-15776
08 p1210 N91-16660
17 p2842 N91-25704
N00014-86-K-0349 ..... 04 p0569 N91-13160
N00014-86-K-0381 ..... 04 p0588 N91-13282
18 p2954 N91-26299
N00014-86-K-0392 ..... 23 p3917 N91-31875
N00014-86-K-0395 ..... 15 p2492 N91-23800
16 p2664 N91-24741
16 p2665 N91-24742
16 p2665 N91-24743
16 p2668 N91-24765
16 p2670 N91-24774
16 p2676 N91-24810
16 p2676 N91-24812
16 p2699 N91-24946
16 p2700 N91-24953
16 p2700 N91-24954
18 p3034 N91-26749
18 p3044 N91-26807
N00014-86-K-0420 ..... 09 p1322 N91-17257
N00014-86-K-0442 ..... 07 p1049 N91-15757
08 p1201 N91-16606
N00014-86-K-0452 ..... 07 p1008 N91-15534
N00014-86-K-0465 ..... 07 p1060 N91-15831
09 p1391 N91-17654
22 p3743 N91-30855
N00014-86-K-0512 ..... 08 p1154 N91-16356
N00014-86-K-0513 ..... 12 p1989 N91-20945
N00014-86-K-0531 ..... 23 p3928 N91-31951
N00014-86-K-0545 ..... 04 p0503 N91-12792
04 p0503 N91-12793
05 p0634 N91-13513
N00014-86-K-0600 ..... 13 p2140 N91-21782
N00014-86-K-0657 ..... 04 p0522 N91-12905
N00014-86-K-0677 ..... 05 p0647 N91-13590
N00014-86-K-0678 ..... 04 p0553 N91-13068
04 p0562 N91-13117
04 p0562 N91-13118
04 p0569 N91-13159
04 p0569 N91-13160
04 p0570 N91-13162
04 p0570 N91-13163
04 p0570 N91-13165
04 p0572 N91-13178
07 p1054 N91-15790
07 p1054 N91-15791
07 p1054 N91-15792
N00014-86-K-0680 ..... 08 p1204 N91-16622
08 p1242 N91-16844
19 p3127 N91-27277
19 p3230 N91-27858
19 p3246 N91-27953
19 p3261 N91-28037
20 p3336 N91-28477
20 p3388 N91-28770
20 p3388 N91-28771
20 p3396 N91-28823
N00014-86-K-0685 ..... 03 p0374 N91-12095
03 p0386 N91-12150
04 p0475 N91-12654
04 p0553 N91-13069
04 p0562 N91-13119
04 p0576 N91-13205
08 p1159 N91-16386
13 p2090 N91-21500
13 p2137 N91-21766
18 p2994 N91-26535
18 p2995 N91-26539
N00014-86-K-0686 ..... 04 p0588 N91-13285
12 p1988 N91-20939
21 p3598 N91-30021
N00014-86-K-0688 ..... 20 p3395 N91-28816
N00014-86-K-0691 ..... 05 p0656 N91-13642
13 p2079 N91-21454
16 p2549 N91-24126
N00014-86-K-0694 ..... 22 p3667 N91-30416
N00014-86-K-0710 ..... 21 p3523 N91-29571
N00014-86-K-0719 ..... 12 p1980 N91-20897
18 p3043 N91-26799
N00014-86-K-0751 ..... 14 p2292 N91-22677
N00014-86-K-0753 ..... 09 p1303 N91-17149
N00014-86-K-0754 ..... 03 p0363 N91-12033
13 p2079 N91-21453
N00014-86-K-0768 ..... 21 p3486 N91-29342
21 p3486 N91-29343
21 p3487 N91-29344
21 p3487 N91-29345
21 p3487 N91-29346
21 p3487 N91-29347
21 p3532 N91-29622
21 p3532 N91-29623
21 p3574 N91-29877
N00014-86-K-0793 ..... 16 p2672 N91-24790
N00014-86-K-00678 ..... 03 p0397 N91-12204
N00014-86-K-06880 ..... 01 p0089 N91-10521
N00014-87-C-0140 ..... 16 p2689 N91-24884
N00014-87-C-0146 ..... 09 p1317 N91-17232
N00014-87-C-0363 ..... 04 p0587 N91-13280
N00014-87-C-0371 ..... 09 p1340 N91-17362
N00014-87-C-0489 ..... 16 p2672 N91-24790
N00014-87-C-0515 ..... 18 p2941 N91-26225
N00014-87-C-0547 ..... 14 p2253 N91-22463
N00014-87-C-0549 ..... 06 p0776 N91-14305
N00014-87-C-0713 ..... 16 p2607 N91-24446
N00014-87-C-0845 ..... 12 p1882 N91-20345
N00014-87-C-0854 ..... 09 p1326 N91-17284
N00014-87-C-0857 ..... 08 p1135 N91-16247
N00014-87-C-2354 ..... 08 p1128 N91-16205
09 p1327 N91-17290
N00014-87-C-2411 ..... 09 p1341 N91-17364
N00014-87-C-2517 ..... 06 p0818 N91-14522
N00014-87-F-0066 ..... 07 p1008 N91-15532
13 p2092 N91-21519
N00014-87-G-0191 ..... 07 p1033 N91-15665
N00014-87-J-1118 ..... 03 p0344 N91-11925
15 p2519 N91-23963
16 p2598 N91-24399
16 p2605 N91-24436
19 p3125 N91-27264
N00014-87-J-1217 ..... 16 p2590 N91-24352
N00014-87-J-1248 ..... 19 p3123 N91-27255
19 p3134 N91-27315
19 p3138 N91-27338
N00014-87-K-825 ..... 12 p1956 N91-20758
N00014-87-K-0001 ..... 15 p2471 N91-23691
N00014-87-K-0012 ..... 10 p1499 N91-18251
N00014-87-K-0031 ..... 04 p0498 N91-12768
N00014-87-K-0040 ..... 18 p3020 N91-26672
N00014-87-K-0059 ..... 04 p0578 N91-13221
N00014-87-K-0074 ..... 18 p3012 N91-26634
N00014-87-K-0103 ..... 04 p0570 N91-13164
N00014-87-K-0117 ..... 04 p0536 N91-12975
07 p1015 N91-15574
N00014-87-K-0118 ..... 21 p3532 N91-29621
N00014-87-K-0131 ..... 04 p0509 N91-12826
N00014-87-K-0176 ..... 21 p3470 N91-29243
N00014-87-K-0177 ..... 22 p3660 N91-30376
N00014-87-K-0196 ..... 03 p0374 N91-12092
15 p2428 N91-23451
N00014-87-K-0203 ..... 22 p3711 N91-30651
N00014-87-K-0228 ..... 01 p0088 N91-10517
01 p0091 N91-10531
N00014-87-K-0231 ..... 23 p3908 N91-31812
N00014-87-K-0235 ..... 06 p0851 N91-14699
N00014-87-K-0236 ..... 03 p0406 N91-12262
N00014-87-K-0243 ..... 22 p3652 N91-30328
N00014-87-K-0270 ..... 21 p3523 N91-29570
N00014-87-K-0303 ..... 15 p2433 N91-23480
N00014-87-K-0307 ..... 01 p0105 N91-10608
14 p2303 N91-22721
N00014-87-K-0320 ..... 03 p0396 N91-12200
03 p0396 N91-12201
03 p0412 N91-12307
03 p0413 N91-12308
08 p1209 N91-16650
N00014-87-K-0321 ..... 03 p0395 N91-12197
N00014-87-K-0326 ..... 18 p2942 N91-26229
N00014-87-K-0327 ..... 08 p1134 N91-16237
N00014-87-K-0336 ..... 15 p2414 N91-23368
N00014-87-K-0341 ..... 07 p0973 N91-15340
N00014-87-K-0377 ..... 21 p3549 N91-29717
N00014-87-K-0378 ..... 23 p3820 N91-31313
N00014-87-K-0390 ..... 03 p0393 N91-12185
N00014-87-K-0396 ..... 08 p1155 N91-16363
N00014-87-K-0421 ..... 22 p3610 N91-30079
N00014-87-K-0429 ..... 23 p3887 N91-31691
N00014-87-K-0430 ..... 14 p2243 N91-22409
N00014-87-K-0481 ..... 06 p0881 N91-14867
19 p3180 N91-27583
N00014-87-K-0494 ..... 12 p1865 N91-20246
12 p1987 N91-20934
12 p1990 N91-20952
N00014-87-K-0495 ..... 03 p0339 N91-11901
13 p2151 N91-21853
18 p2946 N91-26256
18 p3059 N91-26900
N00014-87-K-0514 ..... 19 p3180 N91-27584
N00014-87-K-0517 ..... 08 p1120 N91-16155
22 p3653 N91-30330
N00014-87-K-0527 ..... 13 p2163 N91-21928
N00014-87-K-0529 ..... 04 p0506 N91-12808
N00014-87-K-0670 ..... 18 p2983 N91-26471
N00014-87-K-0698 ..... 18 p2950 N91-26278
N00014-87-K-0780 ..... 21 p3563 N91-29804
N00014-87-K-0785 ..... 07 p0994 N91-15455
N00014-87-K-0809 ..... 18 p3018 N91-26664
N00014-87-K-0825 ..... 07 p1000 N91-15491
08 p1207 N91-16640
09 p1383 N91-17603
09 p1383 N91-17605
09 p1388 N91-17634
12 p1957 N91-20764
12 p1963 N91-20799
18 p3038 N91-26764
18 p3040 N91-26780
19 p3232 N91-27870
21 p3553 N91-29739
21 p3559 N91-29781
21 p3560 N91-29784
22 p3722 N91-30714
N00014-87-K-0828 ..... 08 p1196 N91-16571
08 p1196 N91-16572
16 p2666 N91-24748
N00014-88-C-0193 ..... 22 p3647 N91-30297
22 p3647 N91-30298
22 p3647 N91-30299
N00014-88-C-0228 ..... 16 p2690 N91-24891
17 p2863 N91-25835
N00014-88-C-0230 ..... 19 p3246 N91-27950
N00014-88-C-0269 ..... 19 p3101 N91-27135
N00014-88-C-0391 ..... 24 p4038 N91-32562
N00014-88-C-0483 ..... 09 p1340 N91-17361
15 p2433 N91-23481
N00014-88-C-0492 ..... 04 p0512 N91-12846
N00014-88-C-0507 ..... 16 p2632 N91-24571
N00014-88-C-0512 ..... 04 p0588 N91-13281
08 p1237 N91-16818
15 p2517 N91-23951
N00014-88-C-0518 ..... 16 p2630 N91-24561
N00014-88-C-0530 ..... 19 p3137 N91-27334
N00014-88-C-0681 ..... 03 p0341 N91-11913
16 p2694 N91-24918
20 p3423 N91-28986
23 p3863 N91-31543
N00014-88-C-0692 ..... 08 p1244 N91-16855
N00014-88-C-0714 ..... 03 p0422 N91-12362
12 p1987 N91-20933
18 p3068 N91-26953
N00014-88-C-0745 ..... 21 p3562 N91-29929
N00014-88-C-0760 ..... 04 p0589 N91-13291
04 p0589 N91-13292
N00014-88-C-2045 ..... 09 p1322 N91-17261
N00014-88-C-2173 ..... 19 p3160 N91-27473
N00014-88-F-0019 ..... 02 p0197 N91-11104
08 p1232 N91-16791
N00014-88-J-1050 ..... 21 p3549 N91-29718
N00014-88-J-1200 ..... 13 p2153 N91-21867
N00014-88-K-0034 ..... 13 p2054 N91-21301
N00014-88-K-0059 ..... 18 p3028 N91-26720
N00014-88-K-0060 ..... 19 p3209 N91-27739
N00014-88-K-0075 ..... 18 p2950 N91-26280
19 p3160 N91-27470
N00014-88-K-0084 ..... 18 p2990 N91-26512
N00014-88-K-0086 ..... 07 p1054 N91-15791
N00014-88-K-0098 ..... 07 p1054 N91-15792
N00014-88-K-0101 ..... 11 p1740 N91-19565
N00014-88-K-0122 ..... 19 p3142 N91-27366
19 p3143 N91-27368
19 p3143 N91-27371
19 p3160 N91-27468
19 p3161 N91-27475
20 p3322 N91-28387
20 p3322 N91-28388
20 p3322 N91-28389
N00014-88-K-0127 ..... 12 p1939 N91-20667
N00014-88-K-0134 ..... 19 p3236 N91-27893
N00014-88-K-0152 ..... 09 p1390 N91-17648
N00014-88-K-0170 ..... 05 p0709 N91-13953
N00014-88-K-0203 ..... 22 p3712 N91-30659
N00014-88-K-0210 ..... 09 p1316 N91-17223
N00014-88-K-0239 ..... 18 p2951 N91-26282
N00014-88-K-0249 ..... 21 p3543 N91-29683
N00014-88-K-0273 ..... 03 p0406 N91-12262
N00014-88-K-0279 ..... 13 p2083 N91-21480
18 p3050 N91-26843
N00014-88-K-0299 ..... 06 p0873 N91-14830

N00014-88-K-0302 ..... 04 p0507 N91-12816
08 p1118 N91-16146
21 p3487 N91-29349
21 p3487 N91-29350
21 p3488 N91-29352
N00014-88-K-0341 ..... 04 p0518 N91-12885
08 p1135 N91-16246
15 p2518 N91-23955
N00014-88-K-0360 ..... 09 p1310 N91-17190
09 p1318 N91-17237
09 p1330 N91-17303
N00014-88-K-0369 ..... 19 p3157 N91-27453
N00014-88-K-0370 ..... 12 p1896 N91-20424
N00014-88-K-0392 ..... 04 p0518 N91-12886
N00014-88-K-0404 ..... 15 p2427 N91-23446
N00014-88-K-0453 ..... 21 p3554 N91-29749
N00014-88-K-0482 ..... 20 p3307 N91-28304
21 p3486 N91-29337
21 p3486 N91-29338
N00014-88-K-0483 ..... 18 p2946 N91-26253
18 p2946 N91-26255
18 p2961 N91-26343
N00014-88-K-0487 ..... 04 p0570 N91-13161
18 p3041 N91-26791
N00014-88-K-0493 ..... 03 p0337 N91-11887
N00014-88-K-0494 ..... 21 p3505 N91-29454
N00014-88-K-0500 ..... 03 p0335 N91-11879
N00014-88-K-0553 ..... 03 p0337 N91-11891
03 p0338 N91-11892
03 p0344 N91-11926
04 p0500 N91-12776
13 p2047 N91-21261
N00014-88-K-0564 ..... 08 p1237 N91-16817
N00014-88-K-0591 ..... 04 p0568 N91-13151
13 p2098 N91-21550
14 p2308 N91-22752
19 p3219 N91-27790
N00014-88-K-0632 ..... 13 p2098 N91-21549
N00014-88-K-0724 ..... 12 p1991 N91-20957
N00014-88-K-0731 ..... 18 p2950 N91-26277
18 p2954 N91-26302
19 p3116 N91-27218
N00014-88-K-0733 ..... 21 p3490 N91-29365
N00014-88-K-0738 ..... 08 p1207 N91-16640
09 p1383 N91-17603
09 p1383 N91-17605
19 p3232 N91-27870
N00014-88-K-0825 ..... 08 p1135 N91-16244
22 p3746 N91-30880
N00014-88-K-2005 ..... 15 p2433 N91-23483
N00014-88-K-2013 ..... 03 p0418 N91-12337
N00014-88-K-2021 ..... 05 p0720 N91-14020
N00014-88-K-2022 ..... 14 p2271 N91-22565
N00014-88-K-2029 ..... 19 p3171 N91-27534
N00014-88-K-2040 ..... 12 p1927 N91-20604
N00014-88-K-6002 ..... 12 p1926 N91-20600
N00014-88-M-0108 ..... 03 p0399 N91-12216
N00014-88-R-0330 ..... 18 p3070 N91-26964
19 p3120 N91-27238
19 p3124 N91-27258
19 p3124 N91-27259
19 p3124 N91-27260
19 p3140 N91-27353
N00014-89-C-0022 ..... 12 p1942 N91-20687
N00014-89-C-0052 ..... 12 p1866 N91-20253
N00014-89-C-0091 ..... 19 p3255 N91-28012
N00014-89-C-0104 ..... 18 p2949 N91-26272
18 p2980 N91-26456
N00014-89-C-0111 ..... 04 p0589 N91-13287
N00014-89-C-0208 ..... 04 p0587 N91-13275
N00014-89-C-0210 ..... 04 p0497 N91-12762
N00014-89-C-0225 ..... 13 p2132 N91-21736
N00014-89-C-0232 ..... 04 p0518 N91-12884
N00014-89-C-1006 ..... 06 p0822 N91-14542
N00014-89-C-2222 ..... 03 p0425 N91-12378
15 p2517 N91-23952
N00014-89-C-6027 ..... 18 p3018 N91-26665
N00014-89-F-0072 ..... 14 p2240 N91-22389
23 p3808 N91-31242
N00014-89-J-1003 ..... 12 p1975 N91-20865
N00014-89-J-1006 ..... 16 p2619 N91-24499
18 p2978 N91-26445
19 p3156 N91-27445
N00014-89-J-1007 ..... 03 p0358 N91-12004
N00014-89-J-1017 ..... 11 p1739 N91-19564
N00014-89-J-1023 ..... 04 p0518 N91-12883
07 p1072 N91-15900
N00014-89-J-1027 ..... 11 p1765 N91-19709
N00014-89-J-1028 ..... 19 p3141 N91-27355
19 p3141 N91-27356
19 p3141 N91-27360
N00014-89-J-1030 ..... 15 p2494 N91-23815
N00014-89-J-1036 ..... 12 p1973 N91-20853
N00014-89-J-1041 ..... 18 p2946 N91-26257
21 p3488 N91-29357
N00014-89-J-1052 ..... 08 p1112 N91-16108
09 p1308 N91-17178
19 p3125 N91-27263
19 p3241 N91-27926
N00014-89-J-1053 ..... 19 p3202 N91-27698
N00014-89-J-1070 ..... 14 p2256 N91-22476
N00014-89-J-1073 ..... 18 p3018 N91-26663
N00014-89-J-1076 ..... 15 p2471 N91-23691
N00014-89-J-1103 ..... 14 p2249 N91-22439
14 p2249 N91-22440
14 p2323 N91-22832
21 p3574 N91-29874
N00014-89-J-1104 ..... 09 p1393 N91-17665
23 p3900 N91-31771
N00014-89-J-1107 ..... 12 p1917 N91-20543
N00014-89-J-1109 ..... 03 p0414 N91-12318
N00014-89-J-1154 ..... 13 p2125 N91-21694
N00014-89-J-1164 ..... 08 p1143 N91-16292
13 p2083 N91-21477
N00014-89-J-1171 ..... 08 p1206 N91-16634
N00014-89-J-1175 ..... 19 p3153 N91-27432
N00014-89-J-1178 ..... 13 p2051 N91-21283
13 p2153 N91-21870
13 p2162 N91-21923
20 p3423 N91-28985
N00014-89-J-1184 ..... 04 p0550 N91-13050
N00014-89-J-1188 ..... 19 p3126 N91-27271
N00014-89-J-1189 ..... 08 p1167 N91-16422
N00014-89-J-1197 ..... 06 p0881 N91-14870
07 p0985 N91-15405
08 p1119 N91-16147
12 p1876 N91-20309
N00014-89-J-1207 ..... 18 p2988 N91-26494
N00014-89-J-1237 ..... 16 p2682 N91-24851
16 p2683 N91-24857
23 p3812 N91-31264
N00014-89-J-1238 ..... 18 p2969 N91-26393
18 p2970 N91-26394
N00014-89-J-1261 ..... 20 p3337 N91-28479
21 p3474 N91-29268
N00014-89-J-1267 ..... 03 p0337 N91-11888
N00014-89-J-1275 ..... 22 p3671 N91-30443
22 p3671 N91-30444
N00014-89-J-1276 ..... 12 p1913 N91-20524
N00014-89-J-1296 ..... 18 p3033 N91-26744
N00014-89-J-1314 ..... 04 p0501 N91-12780
04 p0501 N91-12781
04 p0506 N91-12813
04 p0507 N91-12814
05 p0640 N91-13550
21 p3488 N91-29351
21 p3490 N91-29364
21 p3490 N91-29366
21 p3595 N91-30001
N00014-89-J-1315 ..... 14 p2292 N91-22675
N00014-89-J-1350 ..... 18 p2945 N91-26247
18 p2945 N91-26249
19 p3242 N91-27934
21 p3482 N91-29314
21 p3576 N91-29888
N00014-89-J-1364 ..... 16 p2658 N91-24704
N00014-89-J-1386 ..... 16 p2694 N91-24916
N00014-89-J-1412 ..... 18 p2938 N91-26207
18 p2948 N91-26268
18 p2949 N91-26271
18 p3020 N91-26676
19 p3122 N91-27249
19 p3126 N91-27269
19 p3250 N91-27976
19 p3254 N91-28000
19 p3257 N91-28018
N00014-89-J-1456 ..... 23 p3855 N91-31492
N00014-89-J-1489 ..... 18 p3044 N91-26803
19 p3150 N91-27408
N00014-89-J-1497 ..... 19 p3158 N91-27457
19 p3242 N91-27929
19 p3242 N91-27930
N00014-89-J-1527 ..... 07 p1060 N91-15832
16 p2679 N91-24828
N00014-89-J-1530 ..... 03 p0416 N91-12324
09 p1395 N91-17678
14 p2323 N91-22831
21 p3597 N91-30014
N00014-89-J-1537 ..... 03 p0407 N91-12269
N00014-89-J-1542 ..... 05 p0640 N91-13551
12 p1872 N91-20289
18 p2965 N91-26365
N00014-89-J-1545 ..... 15 p2518 N91-23956
18 p3068 N91-26949
19 p3127 N91-27279
N00014-89-J-1555 ..... 03 p0423 N91-12371
N00014-89-J-1565 ..... 07 p1072 N91-15900
N00014-89-J-1574 ..... 14 p2293 N91-22679
N00014-89-J-1588 ..... 15 p2396 N91-23264
18 p2941 N91-26220
N00014-89-J-1590 ..... 16 p2598 N91-24400
19 p3138 N91-27337
N00014-89-J-1595 ..... 21 p3546 N91-29701
N00014-89-J-1601 ..... 20 p3423 N91-28988
N00014-89-J-1622 ..... 12 p1977 N91-20877
N00014-89-J-1627 ..... 04 p0576 N91-13204
06 p0867 N91-14794
07 p1060 N91-15833
08 p1211 N91-16666
13 p2144 N91-21810
14 p2320 N91-22816
16 p2680 N91-24834
18 p3052 N91-26852
19 p3236 N91-27891
21 p3568 N91-29835
23 p3923 N91-31919
23 p3923 N91-31920
N00014-89-J-1642 ..... 03 p0410 N91-12292
N00014-89-J-1645 ..... 19 p3254 N91-28002
N00014-89-J-1654 ..... 22 p3681 N91-30497
N00014-89-J-1659 ..... 01 p0113 N91-10660
04 p0565 N91-13135
12 p1956 N91-20761
18 p3041 N91-26788
18 p3041 N91-26789
19 p3229 N91-27851
23 p3914 N91-31858
N00014-89-J-1660 ..... 08 p1187 N91-16525
N00014-89-J-1681 ..... 03 p0413 N91-12313
05 p0709 N91-13951
N00014-89-J-1689 ..... 19 p3158 N91-27458
19 p3158 N91-27459
N00014-89-J-1690 ..... 08 p1188 N91-16529
N00014-89-J-1699 ..... 04 p0568 N91-13152
N00014-89-J-1708 ..... 21 p3533 N91-29627
N00014-89-J-1731 ..... 11 p1773 N91-19721
N00014-89-J-1734 ..... 18 p3068 N91-26951
21 p3475 N91-29273
N00014-89-J-1739 ..... 13 p2149 N91-21840
N00014-89-J-1746 ..... 19 p3125 N91-27267
19 p3241 N91-27922
19 p3241 N91-27923
19 p3241 N91-27924
19 p3241 N91-27925
N00014-89-J-1754 ..... 03 p0390 N91-12172
13 p2118 N91-21658
18 p3012 N91-26632
N00014-89-J-1759 ..... 18 p2980 N91-26457
N00014-89-J-1764 ..... 19 p3118 N91-27229
N00014-89-J-1775 ..... 19 p3125 N91-27265
19 p3125 N91-27266
19 p3253 N91-27994
N00014-89-J-1780 ..... 12 p1988 N91-20942
N00014-89-J-1786 ..... 13 p2163 N91-21929
N00014-89-J-1815 ..... 18 p3039 N91-26772
18 p3039 N91-26775
18 p3049 N91-26836
N00014-89-J-1828 ..... 12 p1874 N91-20301
12 p1874 N91-20302
12 p1875 N91-20303
12 p1875 N91-20304
12 p1875 N91-20305
12 p1875 N91-20306
19 p3253 N91-27995
N00014-89-J-1829 ..... 19 p3127 N91-27276
21 p3523 N91-29569
N00014-89-J-1836 ..... 05 p0711 N91-13969
18 p3056 N91-26878
N00014-89-J-1842 ..... 21 p3506 N91-29461
N00014-89-J-1848 ..... 15 p2407 N91-23328
21 p3506 N91-29462
N00014-89-J-1849 ..... 03 p0422 N91-12383
13 p2161 N91-21918
13 p2161 N91-21919
13 p2161 N91-21920
N00014-89-J-1904 ..... 13 p2163 N91-21927
N00014-89-J-1906 ..... 16 p2679 N91-24828
N00014-89-J-1946 ..... 04 p0568 N91-13151
13 p2098 N91-21550
14 p2308 N91-22752
19 p3219 N91-27790
23 p3881 N91-31659
N00014-89-J-1958 ..... 21 p3482 N91-29315
N00014-89-J-1961 ..... 19 p3119 N91-27230
21 p3488 N91-29353
N00014-89-J-1963 ..... 14 p2292 N91-22678
N00014-89-J-1964 ..... 13 p2142 N91-21794
N00014-89-J-1967 ..... 14 p2269 N91-22554
N00014-89-J-1975 ..... 15 p2486 N91-23763
N00014-89-J-1979 ..... 21 p3546 N91-29700
N00014-89-J-1988 ..... 04 p0563 N91-13126
08 p1202 N91-16611
12 p1957 N91-20764
12 p1963 N91-20799
12 p1969 N91-20833
13 p2139 N91-21775
15 p2487 N91-23770
15 p2487 N91-23774

	16	p2668	N91-24761
	18	p3040	N91-26780
	21	p3559	N91-29779
	21	p3603	N91-30047
	23	p3907	N91-31811
N00014-89-J-1991	23	p3812	N91-31267
N00014-89-J-2009	04	p0586	N91-13272
N00014-89-J-3012	04	p0497	N91-12759
	07	p0969	N91-15317
N00014-89-J-3016	21	p3551	N91-29732
N00014-89-J-3022	11	p1696	N91-19340
N00014-89-J-3036	12	p1963	N91-20802
	21	p3560	N91-29783
N00014-89-J-3062	19	p3140	N91-27351
	19	p3141	N91-27358
	19	p3141	N91-27359
	19	p3142	N91-27361
N00014-89-J-3080	19	p3141	N91-27357
N00014-89-J-3105	04	p0522	N91-12907
N00014-89-J-3120	03	p0422	N91-12358
N00014-89-J-3124	18	p3027	N91-26713
N00014-89-J-3167	15	p2517	N91-23953
N00014-89-J-3170	16	p2635	N91-24588
N00014-89-J-3202	04	p0555	N91-13077
	18	p3045	N91-26809
N00014-89-K-0038	13	p2072	N91-21414
	13	p2072	N91-21415
	13	p2124	N91-21692
N00014-89-K-0072	18	p3077	N91-27005
N00014-89-K-0132	18	p3060	N91-26901
N00014-89-K-0170	06	p0868	N91-14798
N00014-89-K-1007	15	p2419	N91-23402
N00014-89-K-2020	19	p3254	N91-28004
N00014-89-K-2030	14	p2259	N91-22500
N00014-89-5-2024	06	p0797	N91-14403
N00014-90-C-0032	19	p3254	N91-28001
N00014-90-C-0037	06	p0823	N91-14548
	18	p2978	N91-26439
	19	p3150	N91-27412
N00014-90-C-0073	21	p3524	N91-29574
N00014-90-C-0076	16	p2601	N91-24413
N00014-90-C-0087	06	p0812	N91-14486
N00014-90-C-0105	22	p3681	N91-30496
N00014-90-C-0108	02	p0203	N91-11135
	12	p1926	N91-20601
N00014-90-C-0109	19	p3234	N91-27881
N00014-90-C-0117	19	p3150	N91-27414
	21	p3498	N91-29412
N00014-90-C-0127	12	p1986	N91-20928
N00014-90-C-0141	13	p2138	N91-21771
N00014-90-C-0145	04	p0527	N91-12919
	12	p1901	N91-20455
N00014-90-C-0179	13	p2138	N91-21772
N00014-90-C-0182	15	p2473	N91-23699
N00014-90-C-0199	21	p3582	N91-29924
N00014-90-C-0201	19	p3255	N91-28008
	19	p3255	N91-28011
N00014-90-C-0225	21	p3507	N91-29469
N00014-90-C-0226	13	p2163	N91-21930
	18	p3069	N91-26959
	21	p3597	N91-30012
N00014-90-C-0227	12	p1892	N91-20402
N00014-90-C-0246	18	p3063	N91-26922
N00014-90-C-1278	18	p3069	N91-26957
N00014-90-C-1343	21	p3566	N91-29826
N00014-90-C-2033	04	p0583	N91-13249
	13	p2074	N91-21422
N00014-90-C-2354	18	p2990	N91-26510
N00014-90-C-6007	18	p3017	N91-26658
N00014-90-F-0001	18	p3056	N91-26882
N00014-90-F-0004	07	p1008	N91-15533
N00014-90-F-0011	18	p3069	N91-26956
	19	p3142	N91-27364
	19	p3142	N91-27365
	19	p3246	N91-27954
N00014-90-G-0756	14	p2322	N91-22825
N00014-90-J-1001	12	p1986	N91-20931
N00014-90-J-1002	12	p1892	N91-20405
N00014-90-J-1025	18	p3050	N91-26838
	18	p3050	N91-26842
	19	p3237	N91-27900
	21	p3565	N91-29817
N00014-90-J-1030	14	p2305	N91-22735
	15	p2448	N91-23560
	15	p2448	N91-23561
	15	p2448	N91-23562
	15	p2495	N91-23816
	23	p3887	N91-31691
	23	p3922	N91-31915
N00014-90-J-1041	18	p3057	N91-26885
N00014-90-J-1114	19	p3157	N91-27450
N00014-90-J-1119	19	p3255	N91-28010
N00014-90-J-1148	04	p0507	N91-12819
	04	p0507	N91-12820
	04	p0508	N91-12821
	04	p0509	N91-12827
	04	p0509	N91-12828
	04	p0509	N91-12829
	04	p0509	N91-12830
	04	p0583	N91-13251
	04	p0590	N91-13293
	05	p0640	N91-13553
	06	p0812	N91-14485
	06	p0873	N91-14831
	08	p1235	N91-16807
	19	p3138	N91-27341
	19	p3138	N91-27342
	19	p3139	N91-27345
	19	p3139	N91-27346
	19	p3139	N91-27347
	19	p3139	N91-27348
	19	p3140	N91-27349
	19	p3140	N91-27350
	19	p3140	N91-27352
	19	p3242	N91-27928
	19	p3252	N91-27990
	19	p3252	N91-27991
	20	p3321	N91-28385
	20	p3321	N91-28386
	21	p3487	N91-29348
N00014-90-J-1161	22	p3666	N91-30411
N00014-90-J-1167	19	p3124	N91-27257
	19	p3157	N91-27455
	19	p3241	N91-27927
N00014-90-J-1178	03	p0338	N91-11893
	03	p0338	N91-11894
	03	p0359	N91-12009
	03	p0359	N91-12010
	03	p0369	N91-12068
	03	p0423	N91-12364
	15	p2398	N91-23281
	15	p2508	N91-23900
	15	p2517	N91-23954
N00014-90-J-1186	18	p2965	N91-26368
	18	p2965	N91-26369
	18	p2965	N91-26370
	18	p2966	N91-26371
	18	p2966	N91-26372
N00014-90-J-1193	03	p0339	N91-11899
	03	p0414	N91-12314
	04	p0503	N91-12791
	04	p0518	N91-12882
	04	p0588	N91-13283
	06	p0805	N91-14445
	06	p0874	N91-14832
	08	p1237	N91-16819
	09	p1411	N91-17764
	09	p1419	N91-17809
	12	p1872	N91-20286
	12	p1873	N91-20291
	12	p1976	N91-20873
	12	p1980	N91-20896
	12	p1986	N91-20927
	12	p1990	N91-20953
	12	p1991	N91-20959
	13	p2162	N91-21925
	16	p2685	N91-24871
	16	p2694	N91-24913
	18	p2980	N91-26455
	18	p3055	N91-26875
	18	p3058	N91-26893
	18	p3058	N91-26894
	18	p3070	N91-26963
	19	p3123	N91-27252
	20	p3394	N91-28812
	20	p3395	N91-28820
	21	p3576	N91-29886
	22	p3666	N91-30412
	22	p3666	N91-30413
	22	p3754	N91-30926
N00014-90-J-1200	13	p2073	N91-21417
	19	p3223	N91-27816
	22	p3657	N91-30356
N00014-90-J-1212	19	p3123	N91-27253
	19	p3126	N91-27272
	19	p3157	N91-27452
N00014-90-J-1218	08	p1143	N91-16294
N00014-90-J-1235	19	p3128	N91-27281
	21	p3574	N91-29875
	21	p3574	N91-29876
	21	p3594	N91-29996
N00014-90-J-1236	21	p3499	N91-29415
N00014-90-J-1239	19	p3165	N91-27500
N00014-90-J-1242	09	p1383	N91-17606
	13	p2137	N91-21765
	14	p2307	N91-22748
	21	p3555	N91-29756
	21	p3558	N91-29773
N00014-90-J-1256	14	p2299	N91-22709
N00014-90-J-1263	15	p2399	N91-23285
	15	p2402	N91-23303
	15	p2505	N91-23879
	15	p2505	N91-23880
	15	p2518	N91-23959
	19	p3134	N91-27316
N00014-90-J-1270	03	p0410	N91-12290
	08	p1135	N91-16245
	21	p3557	N91-29769
	22	p3666	N91-30414
	22	p3667	N91-30415
	23	p3862	N91-31536
N00014-90-J-1274	12	p1896	N91-20425
N00014-90-J-1281	05	p0634	N91-13514
	18	p2947	N91-26262
	18	p2947	N91-26263
	18	p2947	N91-26264
	18	p2948	N91-26265
	18	p2948	N91-26266
	18	p2948	N91-26267
	18	p2990	N91-26508
N00014-90-J-1284	08	p1203	N91-16612
N00014-90-J-1311	18	p3030	N91-26731
N00014-90-J-1320	08	p1120	N91-16154
	13	p2057	N91-21321
	18	p2962	N91-26350
	18	p2962	N91-26351
	18	p2963	N91-26352
	18	p2963	N91-26353
	18	p2963	N91-26354
	21	p3489	N91-29362
N00014-90-J-1323	21	p3565	N91-29818
N00014-90-J-1336	03	p0365	N91-12042
N00014-90-J-1339	04	p0564	N91-13130
N00014-90-J-1344	18	p3039	N91-26772
	18	p3039	N91-26775
	18	p3049	N91-26836
N00014-90-J-1345	21	p3558	N91-29775
N00014-90-J-1353	12	p1927	N91-20605
	12	p1927	N91-20606
N00014-90-J-1376	13	p2051	N91-21285
N00014-90-J-1377	09	p1303	N91-17149
N00014-90-J-1384	12	p1987	N91-20937
N00014-90-J-1386	16	p2606	N91-24439
N00014-90-J-1393	12	p1976	N91-20871
N00014-90-J-1398	08	p1105	N91-16067
N00014-90-J-1413	12	p1989	N91-20943
N00014-90-J-1419	14	p2292	N91-22674
N00014-90-J-1427	04	p0588	N91-13284
	12	p1988	N91-20938
	21	p3598	N91-30020
N00014-90-J-1441	18	p2941	N91-26221
N00014-90-J-1475	13	p2151	N91-21857
	18	p3059	N91-26896
	22	p3752	N91-30912
N00014-90-J-1495	08	p1125	N91-16185
N00014-90-J-1516	03	p0373	N91-12091
	15	p2435	N91-23489
N00014-90-J-1526	21	p3544	N91-29691
N00014-90-J-1530	19	p3251	N91-27982
	20	p3424	N91-28989
N00014-90-J-1536	09	p1327	N91-17289
N00014-90-J-1540	16	p2647	N91-24656
N00014-90-J-1548	18	p3018	N91-26662
N00014-90-J-1553	09	p1411	N91-17763
N00014-90-J-1556	12	p1862	N91-20233
N00014-90-J-1559	18	p2945	N91-26244
	18	p2945	N91-26245
	18	p2945	N91-26250
	18	p2946	N91-26251
	18	p2947	N91-26258
	18	p2959	N91-26328
	18	p2959	N91-26329
	18	p2959	N91-26330
	18	p2959	N91-26331
	18	p2959	N91-26332
	18	p2960	N91-26333
	18	p2960	N91-26334
	18	p2960	N91-26335
	18	p2960	N91-26336
	18	p2960	N91-26337
	18	p2960	N91-26339
	18	p2961	N91-26340
	18	p2961	N91-26345
	18	p3076	N91-27002
	19	p3143	N91-27370
	23	p3820	N91-31310
N00014-90-J-1562	16	p2661	N91-24724
N00014-90-J-1566	22	p3716	N91-30681
N00014-90-J-1568	18	p3018	N91-26662
N00014-90-J-1569	19	p3255	N91-28006
N00014-90-J-1589	11	p1645	N91-19071
N00014-90-J-1599	07	p1060	N91-15831
	08	p1201	N91-16605
	09	p1390	N91-17649
	22	p3743	N91-30855
N00014-90-J-1604	06	p0882	N91-14871
	12	p1873	N91-20293
	19	p3251	N91-27983

	21	p3595	N91-30000
N00014-90-J-1642	18	p3059	N91-26895
N00014-90-J-1648	18	p3028	N91-26714
N00014-90-J-1656	19	p3175	N91-27553
N00014-90-J-1731	13	p2082	N91-21475
N00014-90-J-1733	09	p1386	N91-17621
N00014-90-J-1737	14	p2292	N91-22676
N00014-90-J-1756	14	p2322	N91-22825
N00014-90-J-1761	23	p3933	N91-31984
N00014-90-J-1771	19	p3171	N91-27533
N00014-90-J-1809	21	p3556	N91-29760
N00014-90-J-1815	18	p3031	N91-26734
N00014-90-J-1828	19	p3251	N91-27984
	19	p3251	N91-27985
	19	p3251	N91-27986
	19	p3251	N91-27987
	19	p3252	N91-27988
	19	p3252	N91-27989
	19	p3252	N91-27992
N00014-90-J-1831	03	p0423	N91-12367
N00014-90-J-1840	18	p3018	N91-26666
N00014-90-J-1871	07	p1015	N91-15574
	15	p2448	N91-23558
	19	p3180	N91-27582
	19	p3180	N91-27587
	19	p3181	N91-27588
N00014-90-J-1901	13	p2057	N91-21323
N00014-90-J-1909	22	p3671	N91-30444
N00014-90-J-1940	18	p3053	N91-26862
	19	p3238	N91-27903
N00014-90-J-1965	14	p2297	N91-22698
N00014-90-J-1971	20	p3396	N91-28821
	20	p3396	N91-28822
N00014-90-J-2010	22	p3626	N91-30179
	22	p3627	N91-30180
N00014-90-J-4021	12	p1895	N91-20423
N00014-90-J-4039	21	p3581	N91-29919
N00014-90-J-4041	21	p3515	N91-29520
N00014-90-J-4051	19	p3181	N91-27589
N00014-90-J-4077	12	p1901	N91-20454
N00014-90-J-4083	15	p2428	N91-23447
N00014-90-J-4110	09	p1422	N91-17830
N00014-90-J-4120	13	p2118	N91-21657
	13	p2135	N91-21758
N00014-90-K-0004	20	p3384	N91-28746
N00014-90-K-2001	13	p2092	N91-21520
N00014-90-K-2018	05	p0716	N91-13993
	23	p3883	N91-31665
N00014-90-WX-24264	08	p1112	N91-16109
N00014-90J-1063	21	p3542	N91-29680
N00014-91-C-0001	16	p2568	N91-24233
	16	p2575	N91-24273
	17	p2772	N91-25336
N00014-91-C-0014	23	p3882	N91-31663
	23	p3882	N91-31664
N00014-91-C-0095	21	p3530	N91-29609
N00014-91-C-0101	21	p3596	N91-30007
N00014-91-C-0102	23	p3809	N91-31249
N00014-91-C-2057	23	p3862	N91-31535
N00014-91-J-1005	19	p3236	N91-27896
	19	p3238	N91-27904
N00014-91-J-1012	19	p3140	N91-27354
N00014-91-J-1017	19	p3225	N91-27825
N00014-91-J-1045	14	p2249	N91-22443
	14	p2249	N91-22445
	16	p2605	N91-24432
	19	p3142	N91-27367
N00014-91-J-1046	18	p3040	N91-26780
	21	p3559	N91-29780
N00014-91-J-1058	21	p3506	N91-29459
N00014-91-J-1076	22	p3744	N91-30866
N00014-91-J-1096	20	p3384	N91-28747
N00014-91-J-1194	18	p2961	N91-26344
N00014-91-J-1197	18	p2975	N91-26423
N00014-91-J-1222	16	p2679	N91-24830
	18	p3055	N91-26874
N00014-91-J-1269	19	p3126	N91-27273
	19	p3135	N91-27321
	20	p3423	N91-28987
N00014-91-J-1271	21	p3514	N91-29511
N00014-91-J-1274	19	p3143	N91-27369
N00014-91-J-1283	16	p2672	N91-24789
N00014-91-J-1299	21	p3481	N91-29312
N00014-91-J-1333	21	p3555	N91-29757
N00014-91-J-1334	21	p3499	N91-29416
N00014-91-J-1338	19	p3117	N91-27219
	19	p3139	N91-27343
	19	p3139	N91-27344
	19	p3168	N91-27514
N00014-91-J-1409	21	p3475	N91-29272
	21	p3505	N91-29455
	21	p3574	N91-29878
	21	p3575	N91-29879
	21	p3575	N91-29880
	21	p3575	N91-29882
	21	p3575	N91-29883
	21	p3575	N91-29884
	21	p3596	N91-30004
N00014-91-J-1414	19	p3133	N91-27312
N00014-91-J-1416	21	p3598	N91-30019
N00014-91-J-1455	19	p3158	N91-27461
N00014-91-J-1459	21	p3500	N91-29420
N00014-91-J-1613	19	p3228	N91-27845
N00014-91-J-1629	19	p3160	N91-27474
N00014-91-J-1710	19	p3126	N91-27270
N00030-90-WR-02112AA	12	p1956	N91-20760
N00039-84-C-0211	06	p0857	N91-14730
	06	p0861	N91-14758
	09	p1387	N91-17630
	18	p3039	N91-26774
	19	p3226	N91-27832
	23	p3914	N91-31857
	23	p3922	N91-31912
N00039-86-C-0247	10	p1566	N91-18608
N00039-87-C-5301	06	p0917	N91-15060
N00039-88-C-0051	03	p0366	N91-12051
	04	p0527	N91-12921
	04	p0579	N91-13229
	04	p0580	N91-13230
	16	p2625	N91-24536
	18	p2999	N91-26561
	18	p3057	N91-26883
	18	p3057	N91-26884
	18	p3057	N91-26887
	19	p3180	N91-27581
	21	p3451	N91-29143
	22	p3743	N91-30856
N00039-88-C-0054	18	p3056	N91-26880
N00039-88-C-0065	13	p2073	N91-21419
N00039-89-C-0001	09	p1298	N91-17125
	16	p2578	N91-24290
N00123-86-D-0134	16	p2558	N91-24191
N00123-89-G-0580	05	p0657	N91-13647
	05	p0668	N91-13713
	05	p0668	N91-13714
	05	p0669	N91-13715
	06	p0787	N91-14355
	06	p0803	N91-14434
	06	p0850	N91-14694
	06	p0851	N91-14695
	06	p0851	N91-14696
N00123-89-G-0587	03	p0349	N91-11948
N00140-87-C-8904	06	p0857	N91-14731
	10	p1574	N91-18664
	12	p1960	N91-20783
	14	p2308	N91-22752
	16	p2667	N91-24759
	19	p3218	N91-27785
	19	p3219	N91-27790
N00140-88-C-0677	18	p2926	N91-26145
N00167-83-D-0012	04	p0510	N91-12831
N00167-89-C-0048	03	p0365	N91-12041
N00167-89-WR-90210	19	p3179	N91-27580
N00167-90-WR-00300	05	p0676	N91-13758
N00173-85-C-2501	19	p3168	N91-27515
	19	p3168	N91-27516
	19	p3168	N91-27517
	19	p3264	N91-28055
N00173-90-M-9744	24	p4118	N91-33016
	24	p4118	N91-33017
N00173-90-WR-00172	08	p1134	N91-16240
N00421-85-D-0155	22	p3619	N91-30131
N60921-86-C-A226	09	p1401	N91-17715
N60921-86-C-A457	03	p0359	N91-12012
N60921-86-C-0274	03	p0359	N91-12012
N60921-88-C-0057	03	p0359	N91-12012
N60921-88-C-0058	03	p0359	N91-12012
N61331-90-C-0005	06	p0815	N91-14501
N61339-89-C-0042	19	p3213	N91-27758
N61339-90-C-0031	09	p1325	N91-17274
N61533-88-C-0035	04	p0537	N91-12976
N62190-89-M-1536	13	p2149	N91-21839
	22	p3749	N91-30900
N62269-85-C-0218	09	p1311	N91-17198
N62269-88-C-0253	18	p2963	N91-26355
N66001-87-D-0039	06	p0863	N91-14770
N66001-87-D-0136	12	p1963	N91-20800
	12	p1963	N91-20801
N66001-87-D-0179	05	p0701	N91-13903
	07	p1048	N91-15755
N66001-88-D-0033	18	p2974	N91-26417
N66001-88-D-0054	02	p0250	N91-11385
	02	p0250	N91-11386
	02	p0251	N91-11394
N68452-86-MP-60003	03	p0385	N91-12144
N000014-87-K-0228	01	p0083	N91-10492
N622271-85-M-0462	16	p2625	N91-24535
ONREUR-90-2-C	04	p0514	N91-12857
ORNL ORDER 19X-00184C	04	p0498	N91-12764
OSURF PROJ. 711055	10	p1555	N91-18551
OV/RLD-836	22	p3695	N91-30573
PE-0902198D	14	p2339	N91-22935
PO-23-0957	16	p2576	N91-24277
PROJ. AI-13	17	p2830	N91-25631
PROJ. CEDISYS	10	p1572	N91-18650
PROJ. CONCUR	10	p1572	N91-18650
PROJ. LOTOSPHERE	10	p1571	N91-18642
	10	p1571	N91-18643
PROJ. PANGLOSS	10	p1577	N91-18680
	10	p1588	N91-18756
PROJ. RICIS SE-9	04	p0559	N91-13098
PROJ. RICIS SE-18	17	p2829	N91-25626
	17	p2838	N91-25685
PROJ. RICIS-SE-18	17	p2838	N91-25686
PROJ. RM3-3-M-20	13	p2142	N91-21794
PROJ. WIND	09	p1368	N91-17520
PROJ. 20-5	13	p2069	N91-21399
PROJ. 890	10	p1577	N91-18680
	10	p1588	N91-18756
PROJ. 2304	10	p1571	N91-18638
	10	p1571	N91-18642
	10	p1571	N91-18643
R-005840	13	p2112	N91-21629
RACE PROJ. 1046	10	p1572	N91-18650
RC-471035	17	p2768	N91-25320
RDMF3-86	23	p3867	N91-31566
RF PROJ. 766473/720304	04	p0607	N91-13378
RF PROJ. 767435/722039	14	p2253	N91-22465
RF PROJ. 767919/722941	04	p0477	N91-12661
RICIS PROJ. ET-14	24	p4086	N91-32826
RICIS PROJ. ET-23	24	p4085	N91-32823
	24	p4086	N91-32827
	24	p4086	N91-32830
RICIS PROJ. IM-15	24	p4082	N91-32803
	24	p4082	N91-32804
RICIS PROJ. IM-19	24	p4085	N91-32824
RICIS PROJ. SE-19	24	p4087	N91-32837
	24	p4087	N91-32838
	24	p4088	N91-32839
RICIS PROJ. SE-25	24	p4086	N91-32828
	24	p4086	N91-32829
RICIS PROJ. SE-35	24	p4085	N91-32825
RRI-14	02	p0280	N91-11574
R87/KL/097	05	p0704	N91-13925
R87/KM/123	05	p0682	N91-13789
SDIO84-88-C-0042	12	p1990	N91-20949
	16	p2694	N91-24917
SDIO84-89-C-0024	19	p3254	N91-28001
SDI084-88-C-0018	21	p3571	N91-29853
SERC-GK/F24177	11	p1786	N91-19797
SERC-GR/F-91582	17	p2844	N91-25720
SERC-GR/F2417-7	11	p1778	N91-19753
	22	p3747	N91-30885
SERC-XG-10176	22	p3612	N91-30094
SERI-AB-7-06002-1	04	p0543	N91-13012
SI-804475-D	04	p0475	N91-12654
SION-612-317-019/21	10	p1574	N91-18661
SNL-06-9583	06	p0810	N91-14473
SNL-56-4351	10	p1576	N91-18673
SNL-63-8573	02	p0270	N91-11516
SNL-75-6318	10	p1541	N91-18481
SNL-90-1743	09	p1310	N91-17193
SNRF-3-338-0-86	11	p1749	N91-19620
SNSF-3-338-0-86	11	p1752	N91-19634
SNSF-3-382-0-86	11	p1745	N91-19598
SNSF-21-27448.89	09	p1439	N91-17932
SRI PROJ. ECU-7929	08	p1208	N91-16643
SRI PROJ. PYU-1962	09	p1314	N91-17214
SRI PROJ. 8562	08	p1122	N91-16168
SRON-MG020-1988	11	p1741	N91-19575
STEV-506-266-4	05	p0684	N91-13801
	08	p1218	N91-16706
	11	p1728	N91-19513
STPA-85-95-004/46	23	p3869	N91-31584
STPA-87-96-008-00-471-75-81	23	p3806	N91-31231
STPA-88-96-009	23	p3819	N91-31305
STPA-89-95-004-52	23	p3783	N91-31096
STPA-8595009	23	p3782	N91-31089
STU-79-6159	15	p2406	N91-23321
STU-84-3086	22	p3695	N91-30571
STW-CWI44-0632	01	p0073	N91-10443
STW-CWI47-0632	01	p0073	N91-10443
STW-DCT66-1243	17	p2791	N91-25440
STW-DEL-44-0592	03	p0361	N91-12024
STW-DST77-1386	17	p2756	N91-25255
STW-DTN33-467	01	p0038	N91-10225
STW-DWI-77-1397	10	p1579	N91-18690
ST2J-0066-3-NL(CD)	02	p0261	N91-11456
SUNYRF-4313159A	06	p0930	N91-15114
SVERDRUP-5324-85	01	p0020	N91-10117
SWRI PROJ. 04-2529	16	p2636	N91-24594
SWRI PROJ. 05-2768	02	p0251	N91-11392
SWRI PROJ. 05-2881	05	p0699	N91-13895
SWRI PROJ. 05-2921	05	p0699	N91-13894
SWRI PROJ. 05-2922	10	p1567	N91-18615
SWRI PROJ. 05-2984	09	p1376	N91-17557
	09	p1376	N91-17558
SWRI PROJ. 05-2985	06	p0857	N91-14733

SWRI PROJ. 05-3515	24	p4085	N91-32823
	24	p4086	N91-32830
SWRI PROJ. 06-1778-001	05	p0637	N91-13534
SWRI PROJ. 06-1778-002	05	p0638	N91-13535
SWRI PROJ. 14-6253	08	p1189	N91-16539
SWRI PROJ. 15-1886	12	p2001	N91-21012
SWRI PROJ. 15-2351	10	p1624	N91-18959
SWRI PROJ. 15-3799	19	p3169	N91-27520
SWRI PROJ. 15-4865-009	05	p0684	N91-13807
	16	p2564	N91-24217
	24	p4041	N91-32579
SWRI PROJ. 8124	18	p2943	N91-26235
TATP-003604020	08	p1095	N91-16013
T0704E	05	p0700	N91-13900
	10	p1469	N91-18100
T2001E	10	p1515	N91-18340
T2001G	19	p3149	N91-27404
T2003C	10	p1472	N91-18109
USAARL-90-15	12	p1931	N91-20624
USAF-SPC-90-4005	24	p4065	N91-32710
USDA-58-32U-4-8-27	07	p1023	N91-15614
USGS-14-08-0001-G1490	07	p1023	N91-15614
USGS-14-08-0001-61354	07	p1029	N91-15649
USGS-14-08-0001-61679	07	p1029	N91-15649
USPHS-AM-33431	17	p2820	N91-25583
VN-08016CAS	10	p1556	N91-18554
W-31-109-ENG-38	01	p0029	N91-10171
	01	p0037	N91-10220
	01	p0040	N91-10236
	01	p0064	N91-10385
	01	p0104	N91-10603
	01	p0128	N91-10757
	01	p0128	N91-10759
	01	p0132	N91-10782
	02	p0196	N91-11100
	02	p0197	N91-11102
	02	p0197	N91-11104
	02	p0197	N91-11105
	02	p0198	N91-11109
	02	p0199	N91-11115
	02	p0207	N91-11159
	02	p0213	N91-11190
	02	p0217	N91-11212
	02	p0233	N91-11299
	02	p0233	N91-11300
	02	p0234	N91-11309
	02	p0241	N91-11344
	02	p0243	N91-11352
	02	p0243	N91-11353
	02	p0254	N91-11413
	02	p0264	N91-11479
	02	p0265	N91-11487
	02	p0273	N91-11537
	02	p0274	N91-11538
	02	p0278	N91-11565
	02	p0278	N91-11566
	02	p0279	N91-11570
	02	p0280	N91-11575
	02	p0280	N91-11577
	02	p0281	N91-11578
	02	p0281	N91-11579
	02	p0281	N91-11580
	02	p0281	N91-11582
	02	p0282	N91-11583
	03	p0343	N91-11923
	03	p0369	N91-12065
	03	p0373	N91-12090
	03	p0421	N91-12355
	03	p0421	N91-12356
	05	p0702	N91-13913
	05	p0705	N91-13933
	05	p0707	N91-13942
	05	p0714	N91-13983
	05	p0722	N91-14028
	06	p0810	N91-14472
	06	p0862	N91-14765
	06	p0871	N91-14815
	06	p0883	N91-14881
	06	p0883	N91-14882
	06	p0883	N91-14883
	06	p0884	N91-14884
	07	p0970	N91-15324
	07	p0986	N91-15411
	07	p0999	N91-15483
	07	p1002	N91-15502
	07	p1013	N91-15564
	07	p1033	N91-15667
	07	p1055	N91-15798
	07	p1065	N91-15856
	07	p1073	N91-15904
	07	p1073	N91-15906
	07	p1077	N91-15923
	08	p1111	N91-16101
	08	p1113	N91-16115
	08	p1114	N91-16118
	08	p1117	N91-16137
	08	p1118	N91-16141
	08	p1131	N91-16222
	08	p1132	N91-16229
	08	p1133	N91-16230
	08	p1133	N91-16231
	08	p1137	N91-16260
	08	p1138	N91-16262
	08	p1138	N91-16265
	08	p1145	N91-16305
	08	p1156	N91-16370
	08	p1157	N91-16373
	08	p1157	N91-16375
	08	p1162	N91-16398
	08	p1169	N91-16436
	08	p1171	N91-16447
	08	p1171	N91-16448
	08	p1196	N91-16573
	08	p1197	N91-16576
	08	p1206	N91-16632
	08	p1208	N91-16641
	08	p1208	N91-16646
	08	p1219	N91-16714
	08	p1220	N91-16720
	08	p1223	N91-16737
	08	p1226	N91-16754
	08	p1227	N91-16765
	08	p1227	N91-16766
	08	p1230	N91-16783
	08	p1231	N91-16784
	08	p1232	N91-16791
	08	p1232	N91-16792
	08	p1233	N91-16796
	08	p1235	N91-16809
	08	p1235	N91-16810
	08	p1269	N91-16984
	09	p1315	N91-17216
	09	p1315	N91-17217
	09	p1316	N91-17223
	09	p1316	N91-17225
	09	p1316	N91-17227
	09	p1317	N91-17228
	09	p1317	N91-17230
	09	p1319	N91-17241
	09	p1348	N91-17404
	09	p1383	N91-17608
	09	p1389	N91-17638
	09	p1390	N91-17645
	09	p1391	N91-17657
	09	p1396	N91-17685
	09	p1397	N91-17689
	09	p1398	N91-17692
	09	p1398	N91-17695
	09	p1408	N91-17750
	09	p1411	N91-17766
	09	p1414	N91-17784
	09	p1414	N91-17785
	09	p1414	N91-17786
	09	p1415	N91-17787
	09	p1415	N91-17792
	09	p1416	N91-17793
	09	p1416	N91-17794
	09	p1416	N91-17795
	09	p1416	N91-17796
	09	p1416	N91-17797
	09	p1417	N91-17798
	09	p1417	N91-17799
	09	p1417	N91-17800
	09	p1417	N91-17801
	09	p1417	N91-17802
	09	p1417	N91-17803
	09	p1418	N91-17804
	09	p1418	N91-17805
	09	p1418	N91-17806
	09	p1418	N91-17807
	09	p1418	N91-17808
	09	p1450	N91-18001
	10	p1472	N91-18111
	10	p1493	N91-18220
	10	p1498	N91-18247
	10	p1499	N91-18248
	10	p1499	N91-18249
	10	p1499	N91-18252
	10	p1499	N91-18253
	10	p1501	N91-18259
	10	p1501	N91-18260
	10	p1501	N91-18261
	10	p1503	N91-18272
	10	p1503	N91-18273
	10	p1503	N91-18274
	10	p1504	N91-18276
	10	p1504	N91-18278
	10	p1505	N91-18283
	10	p1518	N91-18356
	10	p1519	N91-18365
	10	p1524	N91-18392
	10	p1529	N91-18419
	10	p1541	N91-18480
	10	p1541	N91-18484
	10	p1558	N91-18569
	10	p1575	N91-18668
	10	p1575	N91-18669
	10	p1580	N91-18694
	10	p1592	N91-18780
	10	p1605	N91-18857
	10	p1605	N91-18858
	10	p1606	N91-18865
	10	p1607	N91-18866
	10	p1607	N91-18867
	10	p1607	N91-18868
	10	p1607	N91-18870
	10	p1609	N91-18883
	10	p1611	N91-18890
	10	p1613	N91-18902
	11	p1677	N91-19242
	11	p1679	N91-19252
	11	p1679	N91-19253
	11	p1687	N91-19299
	11	p1688	N91-19301
	11	p1691	N91-19314
	11	p1709	N91-19414
	11	p1714	N91-19440
	11	p1726	N91-19507
	11	p1727	N91-19508
	11	p1734	N91-19534
	11	p1776	N91-19743
	11	p1779	N91-19760
	11	p1793	N91-19838
	11	p1794	N91-19842
	11	p1803	N91-19903
	11	p1806	N91-19919
	11	p1810	N91-19941
	12	p1871	N91-20283
	12	p1902	N91-20464
	12	p1992	N91-20967
	12	p1993	N91-20969
	12	p2009	N91-21054
	13	p2048	N91-21266
	13	p2078	N91-21449
	13	p2104	N91-21582
	13	p2134	N91-21748
	13	p2143	N91-21803
	14	p2258	N91-22492
	14	p2302	N91-22719
	14	p2337	N91-22919
	14	p2337	N91-22920
	15	p2398	N91-23277
	15	p2404	N91-23312
	15	p2418	N91-23390
	15	p2421	N91-23414
	15	p2441	N91-23520
	15	p2443	N91-23534
	15	p2444	N91-23538
	15	p2445	N91-23542
	15	p2483	N91-23743
	15	p2483	N91-23745
	15	p2503	N91-23861
	15	p2503	N91-23862
	15	p2503	N91-23866
	15	p2516	N91-23945
	16	p2607	N91-24447
	16	p2612	N91-24462
	16	p2618	N91-24496
	16	p2685	N91-24870
	16	p2687	N91-24874
	16	p2695	N91-24924
	16	p2695	N91-24925
	17	p2760	N91-25280
	17	p2762	N91-25290
	17	p2762	N91-25292
	17	p2762	N91-25293
	17	p2762	N91-25294
	17	p2783	N91-25403
	17	p2784	N91-25405
	17	p2784	N91-25408
	17	p2784	N91-25409
	17	p2807	N91-25520
	17	p2808	N91-25523
	17	p2822	N91-25596
	17	p2839	N91-25692
	17	p2841	N91-25701
	17	p2842	N91-25704
	17	p2847	N91-25735
	17	p2870	N91-25878
	17	p2872	N91-25885
	17	p2872	N91-25888
	17	p2873	N91-25889
	17	p2873	N91-25890
	17	p2873	N91-25891
	17	p2874	N91-25895
	17	p2888	N91-25969
	18	p2953	N91-26294
	18	p2955	N91-26308

18	p2955	N91-26310
18	p2967	N91-26379
18	p2986	N91-26487
18	p2986	N91-26489
18	p2991	N91-26516
18	p3005	N91-26595
18	p3007	N91-26604
18	p3008	N91-26608
18	p3053	N91-26863
18	p3060	N91-26902
18	p3067	N91-26946
18	p3071	N91-26971
18	p3072	N91-26978
18	p3072	N91-26979
18	p3073	N91-26980
18	p3073	N91-26982
18	p3074	N91-26986
19	p3136	N91-27327
19	p3217	N91-27781
19	p3232	N91-27867
19	p3240	N91-27920
19	p3250	N91-27980
20	p3281	N91-28147
20	p3317	N91-28361
20	p3320	N91-28377
20	p3325	N91-28410
20	p3329	N91-28435
20	p3354	N91-28577
20	p3356	N91-28592
20	p3359	N91-28609
20	p3363	N91-28629
20	p3370	N91-28670
20	p3371	N91-28675
20	p3382	N91-28734
20	p3386	N91-28758
20	p3386	N91-28762
20	p3387	N91-28765
20	p3391	N91-28793
20	p3395	N91-28815
20	p3402	N91-28859
20	p3403	N91-28860
20	p3403	N91-28865
20	p3404	N91-28868
20	p3420	N91-28968
20	p3426	N91-29005
20	p3427	N91-29008
20	p3429	N91-29024
20	p3430	N91-29027
20	p3431	N91-29036
20	p3432	N91-29037
20	p3432	N91-29042
20	p3438	N91-29079
21	p3477	N91-29284
21	p3479	N91-29294
21	p3480	N91-29300
21	p3485	N91-29336
21	p3491	N91-29375
21	p3492	N91-29378
21	p3495	N91-29392
21	p3502	N91-29434
21	p3509	N91-29482
21	p3512	N91-29500
21	p3512	N91-29501
21	p3512	N91-29502
21	p3512	N91-29503
21	p3525	N91-29581
21	p3536	N91-29645
21	p3545	N91-29696
21	p3562	N91-29797
21	p3572	N91-29860
21	p3577	N91-29894
21	p3589	N91-29968
21	p3590	N91-29970
21	p3591	N91-29973
21	p3592	N91-29979
21	p3593	N91-29984
21	p3593	N91-29987
21	p3593	N91-29988
21	p3593	N91-29989
21	p3593	N91-29990
21	p3594	N91-29991
21	p3594	N91-29992
21	p3599	N91-30028
21	p3600	N91-30029
21	p3600	N91-30030
21	p3600	N91-30031
22	p3656	N91-30353
22	p3754	N91-30924
23	p3810	N91-31250
23	p3815	N91-31278
23	p3818	N91-31299
23	p3859	N91-31519
23	p3884	N91-31674
23	p3889	N91-31701
23	p3890	N91-31709
23	p3892	N91-31721
23	p3919	N91-31888
23	p3925	N91-31935
23	p3931	N91-31967
23	p3931	N91-31968
23	p3932	N91-31976
24	p3976	N91-32213
24	p3980	N91-32232
24	p4022	N91-32476
24	p4027	N91-32505
24	p4027	N91-32506
24	p4071	N91-32744
24	p4072	N91-32752
24	p4073	N91-32757
24	p4087	N91-32833
24	p4090	N91-32854
24	p4092	N91-32860
24	p4096	N91-32888
24	p4103	N91-32928
24	p4109	N91-32965
24	p4109	N91-32966
24	p4110	N91-32967
24	p4110	N91-32968
24	p4110	N91-32969
24	p4111	N91-32974
24	p4111	N91-32975
24	p4112	N91-32981
24	p4112	N91-32982
24	p4112	N91-32986
24	p4113	N91-32987
24	p4113	N91-32988
24	p4113	N91-32989

W-7405-ENG-36 .....

01	p0002	N91-10008
01	p0015	N91-10095
01	p0026	N91-10155
01	p0026	N91-10158
01	p0027	N91-10162
01	p0027	N91-10163
01	p0027	N91-10164
01	p0028	N91-10165
01	p0030	N91-10176
01	p0032	N91-10187
01	p0041	N91-10239
01	p0041	N91-10240
01	p0041	N91-10241
01	p0041	N91-10242
01	p0041	N91-10243
01	p0041	N91-10244
01	p0045	N91-10266
01	p0046	N91-10276
01	p0047	N91-10277
01	p0047	N91-10279
01	p0047	N91-10280
01	p0047	N91-10282
01	p0063	N91-10382
01	p0104	N91-10602
01	p0113	N91-10662
01	p0113	N91-10663
01	p0118	N91-10697
01	p0121	N91-10715
01	p0121	N91-10717
01	p0122	N91-10720
01	p0122	N91-10721
01	p0125	N91-10739
01	p0125	N91-10740
01	p0130	N91-10767
01	p0130	N91-10768
01	p0130	N91-10769
01	p0130	N91-10770
01	p0130	N91-10771
01	p0131	N91-10773
01	p0131	N91-10774
01	p0131	N91-10776
01	p0131	N91-10777
01	p0135	N91-10803
01	p0139	N91-10817
01	p0139	N91-10818
01	p0141	N91-10830
01	p0142	N91-10836
02	p0194	N91-11085
02	p0199	N91-11114
02	p0199	N91-11115
02	p0208	N91-11162
02	p0238	N91-11330
02	p0262	N91-11465
02	p0262	N91-11466
02	p0265	N91-11485
02	p0268	N91-11502
02	p0271	N91-11522
02	p0275	N91-11545
02	p0275	N91-11546
02	p0283	N91-11590
02	p0284	N91-11601
02	p0291	N91-11633
02	p0293	N91-11646
03	p0370	N91-12074
03	p0370	N91-12075
03	p0380	N91-12123
03	p0386	N91-12154
03	p0401	N91-12231
03	p0416	N91-12327
04	p0528	N91-12926
04	p0528	N91-12927
04	p0530	N91-12941
04	p0546	N91-13030
04	p0581	N91-13237
04	p0584	N91-13260
04	p0590	N91-13297
04	p0590	N91-13298
04	p0591	N91-13300
04	p0591	N91-13301
05	p0630	N91-13490
05	p0644	N91-13573
05	p0645	N91-13582
05	p0648	N91-13597
05	p0652	N91-13620
05	p0652	N91-13624
05	p0653	N91-13626
05	p0654	N91-13631
05	p0659	N91-13662
05	p0662	N91-13682
05	p0666	N91-13700
05	p0666	N91-13701
05	p0666	N91-13702
05	p0669	N91-13720
05	p0673	N91-13743
05	p0677	N91-13764
05	p0710	N91-13957
05	p0715	N91-13988
05	p0718	N91-14008
05	p0718	N91-14009
05	p0719	N91-14010
05	p0719	N91-14011
05	p0719	N91-14014
05	p0719	N91-14015
05	p0728	N91-14069
05	p0729	N91-14070
05	p0767	N91-14258
05	p0768	N91-14264
05	p0769	N91-14270
06	p0790	N91-14370
06	p0813	N91-14490
06	p0816	N91-14506
06	p0819	N91-14526
06	p0858	N91-14739
06	p0875	N91-14838
06	p0879	N91-14856
07	p0975	N91-15352
07	p0979	N91-15376
07	p0981	N91-15383
07	p0981	N91-15384
07	p0987	N91-15419
07	p1002	N91-15500
07	p1002	N91-15503
07	p1004	N91-15515
07	p1035	N91-15680
07	p1036	N91-15681
07	p1073	N91-15907
07	p1073	N91-15908
07	p1074	N91-15909
07	p1083	N91-15959
08	p1101	N91-16042
08	p1108	N91-16085
08	p1109	N91-16090
08	p1109	N91-16091
08	p1109	N91-16093
08	p1114	N91-16122
08	p1123	N91-16174
08	p1136	N91-16255
08	p1138	N91-16263
08	p1141	N91-16283
08	p1142	N91-16288
08	p1148	N91-16323
08	p1151	N91-16342
08	p1152	N91-16343
08	p1152	N91-16348
08	p1153	N91-16351
08	p1154	N91-16357
08	p1169	N91-16439
08	p1181	N91-16499
08	p1197	N91-16578
08	p1208	N91-16642
08	p1220	N91-16716
08	p1225	N91-16750
08	p1226	N91-16755
08	p1228	N91-16772
08	p1229	N91-16777
08	p1229	N91-16778
08	p1231	N91-16786
08	p1266	N91-16968
09	p1313	N91-17205
09	p1341	N91-17366
09	p1343	N91-17374

09 p1343 N91-17379
09 p1375 N91-17555
09 p1383 N91-17607
08 p1388 N91-17636
09 p1391 N91-17655
09 p1391 N91-17656
09 p1395 N91-17674
09 p1409 N91-17751
09 p1414 N91-17783
09 p1419 N91-17810
09 p1426 N91-17848
09 p1426 N91-17849
09 p1427 N91-17858
09 p1450 N91-18002
10 p1462 N91-18061
10 p1500 N91-18257
10 p1506 N91-18291
10 p1516 N91-18345
10 p1525 N91-18400
10 p1527 N91-18410
10 p1530 N91-18428
10 p1530 N91-18429
10 p1530 N91-18430
10 p1531 N91-18431
10 p1531 N91-18432
10 p1535 N91-18449
10 p1555 N91-18550
10 p1563 N91-18600
10 p1586 N91-18742
10 p1586 N91-18743
10 p1594 N91-18796
10 p1601 N91-18832
10 p1603 N91-18845
10 p1603 N91-18846
10 p1604 N91-18852
10 p1605 N91-18853
10 p1605 N91-18854
10 p1606 N91-18861
10 p1607 N91-18870
10 p1611 N91-18888
10 p1624 N91-18958
10 p1624 N91-18959
10 p1625 N91-18964
11 p1680 N91-19257
11 p1694 N91-19333
11 p1708 N91-19405
11 p1710 N91-19419
11 p1712 N91-19428
11 p1722 N91-19480
11 p1737 N91-19552
11 p1797 N91-19858
11 p1797 N91-19860
11 p1803 N91-19899
11 p1808 N91-19928
11 p1818 N91-19986
12 p1867 N91-20258
12 p1867 N91-20259
12 p1906 N91-20486
12 p1915 N91-20534
12 p1974 N91-20858
12 p1974 N91-20859
12 p1979 N91-20890
12 p1992 N91-20966
13 p2041 N91-21226
13 p2049 N91-21275
13 p2051 N91-21288
13 p2081 N91-21462
13 p2105 N91-21585
13 p2145 N91-21812
13 p2145 N91-21813
13 p2145 N91-21814
13 p2145 N91-21816
13 p2145 N91-21817
13 p2146 N91-21818
13 p2146 N91-21819
13 p2149 N91-21841
13 p2152 N91-21862
13 p2152 N91-21865
14 p2244 N91-22415
14 p2258 N91-22493
14 p2269 N91-22556
14 p2270 N91-22560
14 p2291 N91-22671
14 p2298 N91-22702
14 p2300 N91-22711
14 p2310 N91-22764
14 p2310 N91-22765
14 p2321 N91-22822
14 p2326 N91-22849
14 p2336 N91-22917
14 p2336 N91-22918
15 p2401 N91-23296
15 p2405 N91-23315
15 p2411 N91-23350
15 p2411 N91-23351
15 p2424 N91-23428
15 p2460 N91-23630
15 p2472 N91-23695
15 p2473 N91-23697
15 p2482 N91-23740
15 p2483 N91-23742
15 p2489 N91-23784
15 p2502 N91-23855
15 p2516 N91-23942
15 p2516 N91-23943
15 p2516 N91-23944
17 p2740 N91-25166
17 p2741 N91-25169
17 p2770 N91-25330
17 p2771 N91-25332
17 p2778 N91-25376
17 p2823 N91-25599
17 p2847 N91-25737
17 p2860 N91-25816
17 p2861 N91-25824
17 p2862 N91-25829
17 p2873 N91-25894
17 p2887 N91-25962
17 p2888 N91-25968
18 p2952 N91-26292
18 p2986 N91-26484
18 p2991 N91-26515
18 p2992 N91-26522
18 p2997 N91-26554
18 p3055 N91-26871
18 p3062 N91-26915
19 p3162 N91-27485
19 p3173 N91-27544
19 p3217 N91-27779
19 p3217 N91-27782
19 p3218 N91-27783
19 p3240 N91-27921
19 p3243 N91-27938
19 p3257 N91-28015
19 p3257 N91-28016
19 p3264 N91-28054
19 p3265 N91-28058
20 p3286 N91-28173
20 p3287 N91-28174
20 p3287 N91-28177
20 p3287 N91-28179
20 p3304 N91-28288
20 p3310 N91-28324
20 p3310 N91-28325
20 p3318 N91-28366
20 p3319 N91-28376
20 p3325 N91-28414
20 p3326 N91-28415
20 p3326 N91-28419
20 p3326 N91-28420
20 p3330 N91-28443
20 p3331 N91-28448
20 p3333 N91-28456
20 p3333 N91-28457
20 p3334 N91-28464
20 p3336 N91-28474
20 p3338 N91-28496
20 p3338 N91-28488
20 p3339 N91-28492
20 p3340 N91-28499
20 p3343 N91-28513
20 p3346 N91-28528
20 p3349 N91-28545
20 p3350 N91-28556
20 p3351 N91-28558
20 p3352 N91-28563
20 p3352 N91-28564
20 p3352 N91-28565
20 p3352 N91-28566
20 p3357 N91-28593
20 p3360 N91-28613
20 p3361 N91-28617
20 p3361 N91-28618
20 p3361 N91-28620
20 p3361 N91-28621
20 p3362 N91-28624
20 p3362 N91-28625
20 p3363 N91-28632
20 p3364 N91-28633
20 p3364 N91-28634
20 p3364 N91-28635
20 p3364 N91-28636
20 p3364 N91-28637
20 p3369 N91-28661
20 p3378 N91-28714
20 p3380 N91-28725
20 p3392 N91-28799
20 p3394 N91-28809
20 p3394 N91-28810
20 p3401 N91-28849
20 p3402 N91-28855
20 p3403 N91-28861
20 p3404 N91-28871
20 p3422 N91-28975
20 p3423 N91-28983
20 p3424 N91-28990
20 p3424 N91-28991
20 p3428 N91-29015
20 p3429 N91-29023
20 p3430 N91-29025
20 p3430 N91-29028
20 p3430 N91-29029
20 p3431 N91-29033
20 p3431 N91-29034
20 p3431 N91-29035
20 p3433 N91-29045
20 p3433 N91-29046
20 p3434 N91-29050
20 p3435 N91-29055
20 p3435 N91-29058
21 p3462 N91-29200
21 p3476 N91-29281
21 p3485 N91-29334
21 p3503 N91-29443
21 p3508 N91-29477
21 p3509 N91-29480
21 p3513 N91-29505
21 p3518 N91-29538
21 p3518 N91-29540
21 p3519 N91-29542
21 p3522 N91-29560
21 p3522 N91-29562
21 p3522 N91-29563
21 p3525 N91-29579
21 p3533 N91-29632
21 p3564 N91-29812
21 p3570 N91-29851
21 p3580 N91-29915
21 p3587 N91-29951
21 p3587 N91-29952
21 p3587 N91-29953
21 p3587 N91-29954
21 p3587 N91-29955
21 p3593 N91-29986
21 p3600 N91-30032
21 p3602 N91-30040
21 p3602 N91-30043
22 p3623 N91-30157
22 p3643 N91-30273
22 p3658 N91-30361
22 p3754 N91-30927
23 p3803 N91-31210
23 p3803 N91-31211
23 p3811 N91-31259
23 p3814 N91-31275
23 p3814 N91-31276
23 p3816 N91-31287
23 p3852 N91-31477
23 p3855 N91-31491
23 p3873 N91-31602
23 p3874 N91-31610
23 p3878 N91-31639
23 p3879 N91-31640
23 p3884 N91-31672
23 p3884 N91-31673
23 p3887 N91-31690
23 p3887 N91-31694
23 p3890 N91-31710
23 p3890 N91-31711
23 p3909 N91-31818
23 p3916 N91-31869
23 p3918 N91-31886
23 p3925 N91-31929
23 p3925 N91-31932
23 p3925 N91-31933
23 p3926 N91-31940
23 p3927 N91-31945
23 p3929 N91-31955
23 p3929 N91-31958
23 p3933 N91-31979
24 p3972 N91-32189
24 p3976 N91-32208
24 p4006 N91-32397
24 p4007 N91-32407
24 p4016 N91-32452
24 p4022 N91-32478
24 p4022 N91-32479
24 p4022 N91-32480
24 p4023 N91-32484
24 p4024 N91-32491
24 p4025 N91-32492
24 p4025 N91-32493
24 p4040 N91-32573
24 p4041 N91-32582
24 p4043 N91-32590
24 p4091 N91-32855
24 p4091 N91-32858
24 p4092 N91-32863

	24	p4095	N91-32878
	24	p4095	N91-32882
	24	p4097	N91-32891
	24	p4097	N91-32892
	24	p4098	N91-32900
	24	p4099	N91-32901
	24	p4099	N91-32904
	24	p4099	N91-32905
	24	p4101	N91-32912
	24	p4102	N91-32921
	24	p4104	N91-32936
	24	p4105	N91-32937
	24	p4105	N91-32938
	24	p4107	N91-32953
	24	p4108	N91-32961
	24	p4124	N91-33049
W-7405-ENG-48	01	p0015	N91-10094
	01	p0015	N91-10096
	01	p0022	N91-10130
	01	p0024	N91-10142
	01	p0027	N91-10161
	01	p0031	N91-10186
	01	p0037	N91-10219
	01	p0045	N91-10267
	01	p0046	N91-10274
	01	p0047	N91-10278
	01	p0056	N91-10331
	01	p0068	N91-10409
	01	p0108	N91-10626
	01	p0112	N91-10650
	01	p0113	N91-10659
	01	p0113	N91-10661
	01	p0119	N91-10706
	01	p0121	N91-10718
	01	p0121	N91-10719
	01	p0124	N91-10732
	01	p0124	N91-10733
	01	p0135	N91-10802
	02	p0184	N91-11032
	02	p0193	N91-11081
	02	p0193	N91-11082
	02	p0196	N91-11098
	02	p0199	N91-11113
	02	p0204	N91-11141
	02	p0205	N91-11147
	02	p0207	N91-11156
	02	p0214	N91-11195
	02	p0217	N91-11214
	02	p0220	N91-11230
	02	p0226	N91-11265
	02	p0248	N91-11382
	02	p0254	N91-11409
	02	p0254	N91-11414
	02	p0268	N91-11499
	02	p0270	N91-11514
	02	p0270	N91-11515
	02	p0275	N91-11547
	02	p0292	N91-11635
	03	p0370	N91-12076
	03	p0401	N91-12229
	03	p0424	N91-12373
	04	p0479	N91-12670
	04	p0488	N91-12713
	04	p0505	N91-12804
	04	p0506	N91-12809
	04	p0511	N91-12841
	04	p0520	N91-12895
	04	p0530	N91-12940
	04	p0537	N91-12978
	04	p0564	N91-13132
	04	p0564	N91-13133
	04	p0585	N91-13262
	04	p0585	N91-13264
	04	p0585	N91-13265
	04	p0585	N91-13267
	04	p0585	N91-13268
	04	p0586	N91-13269
	04	p0586	N91-13270
	04	p0591	N91-13299
	04	p0611	N91-13397
	05	p0632	N91-13499
	05	p0632	N91-13501
	05	p0635	N91-13520
	05	p0647	N91-13593
	05	p0648	N91-13599
	05	p0652	N91-13619
	05	p0652	N91-13623
	05	p0662	N91-13680
	05	p0664	N91-13689
	05	p0664	N91-13690
	05	p0665	N91-13697
	05	p0665	N91-13698
	05	p0666	N91-13699
	05	p0666	N91-13704
	05	p0667	N91-13707
	05	p0667	N91-13709
	05	p0670	N91-13726
	05	p0677	N91-13765
	05	p0680	N91-13780
	05	p0686	N91-13815
	05	p0701	N91-13908
	05	p0702	N91-13914
	05	p0702	N91-13915
	05	p0707	N91-13943
	05	p0708	N91-13945
	05	p0709	N91-13956
	05	p0710	N91-13962
	05	p0713	N91-13978
	05	p0713	N91-13981
	05	p0717	N91-14004
	05	p0718	N91-14007
	05	p0720	N91-14016
	05	p0720	N91-14020
	05	p0720	N91-14021
	05	p0727	N91-14063
	05	p0769	N91-14269
	06	p0802	N91-14428
	06	p0807	N91-14455
	06	p0811	N91-14481
	06	p0816	N91-14507
	06	p0817	N91-14513
	06	p0821	N91-14535
	06	p0825	N91-14560
	06	p0829	N91-14583
	06	p0831	N91-14592
	06	p0833	N91-14606
	06	p0843	N91-14659
	06	p0858	N91-14740
	06	p0867	N91-14791
	06	p0873	N91-14828
	06	p0876	N91-14842
	06	p0879	N91-14852
	07	p0966	N91-15305
	07	p0970	N91-15327
	07	p0976	N91-15354
	07	p1008	N91-15536
	07	p1049	N91-15760
	07	p1053	N91-15780
	07	p1054	N91-15789
	07	p1069	N91-15883
	07	p1072	N91-15902
	07	p1073	N91-15903
	07	p1083	N91-15960
	08	p1107	N91-16080
	08	p1108	N91-16082
	08	p1108	N91-16084
	08	p1108	N91-16087
	08	p1109	N91-16088
	08	p1121	N91-16158
	08	p1121	N91-16159
	08	p1121	N91-16162
	08	p1125	N91-16181
	08	p1125	N91-16182
	08	p1131	N91-16224
	08	p1148	N91-16324
	08	p1151	N91-16340
	08	p1152	N91-16344
	08	p1153	N91-16349
	08	p1169	N91-16437
	08	p1173	N91-16455
	08	p1173	N91-16457
	08	p1173	N91-16458
	08	p1173	N91-16459
	08	p1174	N91-16462
	08	p1175	N91-16469
	08	p1180	N91-16497
	08	p1180	N91-16498
	08	p1189	N91-16538
	08	p1197	N91-16577
	08	p1206	N91-16633
	08	p1212	N91-16672
	08	p1219	N91-16713
	08	p1221	N91-16724
	08	p1223	N91-16736
	08	p1226	N91-16758
	08	p1226	N91-16759
	08	p1227	N91-16761
	08	p1228	N91-16768
	08	p1228	N91-16769
	08	p1228	N91-16771
	08	p1229	N91-16773
	08	p1229	N91-16775
	08	p1232	N91-16793
	08	p1232	N91-16794
	08	p1233	N91-16798
	08	p1239	N91-16829
	08	p1243	N91-16850
	08	p1268	N91-16982
	08	p1269	N91-16985
	09	p1305	N91-17161
	09	p1305	N91-17162
	09	p1305	N91-17163
	09	p1321	N91-17254
	09	p1325	N91-17276
	09	p1330	N91-17308
	09	p1339	N91-17356
	09	p1343	N91-17375
	09	p1343	N91-17376
	09	p1343	N91-17378
	09	p1343	N91-17380
	09	p1344	N91-17381
	08	p1357	N91-17455
	09	p1393	N91-17666
	09	p1395	N91-17673
	09	p1397	N91-17686
	09	p1406	N91-17736
	09	p1407	N91-17744
	09	p1408	N91-17746
	09	p1408	N91-17747
	09	p1408	N91-17748
	09	p1408	N91-17749
	09	p1411	N91-17766
	09	p1415	N91-17788
	09	p1427	N91-17857
	09	p1450	N91-18000
	10	p1494	N91-18224
	10	p1505	N91-18284
	10	p1505	N91-18286
	10	p1507	N91-18294
	10	p1515	N91-18343
	10	p1517	N91-18353
	10	p1517	N91-18354
	10	p1518	N91-18355
	10	p1523	N91-18387
	10	p1524	N91-18389
	10	p1525	N91-18394
	10	p1526	N91-18403
	10	p1527	N91-18411
	10	p1528	N91-18415
	10	p1528	N91-18416
	10	p1529	N91-18417
	10	p1529	N91-18418
	10	p1529	N91-18420
	10	p1530	N91-18425
	10	p1530	N91-18426
	10	p1530	N91-18427
	10	p1537	N91-18460
	10	p1541	N91-18485
	10	p1543	N91-18493
	10	p1543	N91-18495
	10	p1544	N91-18498
	10	p1545	N91-18503
	10	p1555	N91-18552
	10	p1556	N91-18556
	10	p1556	N91-18557
	10	p1563	N91-18597
	10	p1564	N91-18604
	10	p1569	N91-18626
	10	p1569	N91-18629
	10	p1569	N91-18630
	10	p1575	N91-18670
	10	p1575	N91-18671
	10	p1576	N91-18674
	10	p1587	N91-18752
	10	p1590	N91-18769
	10	p1591	N91-18770
	10	p1594	N91-18797
	10	p1596	N91-18805
	10	p1602	N91-18833
	10	p1602	N91-18836
	10	p1604	N91-18848
	10	p1605	N91-18855
	10	p1608	N91-18876
	10	p1609	N91-18879
	10	p1614	N91-18904
	10	p1614	N91-18907
	10	p1614	N91-18908
	10	p1615	N91-18912
	10	p1617	N91-18915
	10	p1617	N91-18917
	10	p1625	N91-18965
	11	p1679	N91-19254
	11	p1682	N91-19268
	11	p1694	N91-19331
	11	p1703	N91-19381
	11	p1707	N91-19400
	11	p1710	N91-19416
	11	p1710	N91-19417
	11	p1710	N91-19418
	11	p1712	N91-19427
	11	p1712	N91-19429
	11	p1712	N91-19430
	11	p1712	N91-19433
	11	p1719	N91-19466
	11	p1733	N91-19530
	11	p1737	N91-19551
	11	p1737	N91-19553
	11	p1738	N91-19558

11 p1762 N91-19698
11 p1776 N91-19739
11 p1776 N91-19740
11 p1777 N91-19745
11 p1777 N91-19747
11 p1777 N91-19748
11 p1779 N91-19758
11 p1782 N91-19775
11 p1783 N91-19780
11 p1783 N91-19781
11 p1783 N91-19782
11 p1783 N91-19783
11 p1785 N91-19794
11 p1796 N91-19857
11 p1797 N91-19862
11 p1800 N91-19881
11 p1802 N91-19895
11 p1802 N91-19898
11 p1803 N91-19900
11 p1805 N91-19910
11 p1806 N91-19919
11 p1806 N91-19921
11 p1807 N91-19924
11 p1808 N91-19927
11 p1818 N91-19983
11 p1818 N91-19984
11 p1818 N91-19985
12 p1831 N91-20060
12 p1871 N91-20282
12 p1889 N91-20387
12 p1889 N91-20388
12 p1894 N91-20415
12 p1899 N91-20444
12 p1906 N91-20485
12 p1908 N91-20499
12 p1915 N91-20535
12 p1915 N91-20537
12 p1984 N91-20914
12 p1984 N91-20915
12 p1984 N91-20916
12 p1984 N91-20917
12 p1985 N91-20920
12 p1992 N91-20964
12 p1992 N91-20965
12 p2008 N91-21053
13 p2049 N91-21273
13 p2049 N91-21274
13 p2049 N91-21276
13 p2056 N91-21312
13 p2071 N91-21407
13 p2081 N91-21462
13 p2088 N91-21488
13 p2089 N91-21497
13 p2089 N91-21498
13 p2090 N91-21503
13 p2090 N91-21504
13 p2091 N91-21509
13 p2091 N91-21511
13 p2092 N91-21516
13 p2092 N91-21518
13 p2099 N91-21554
13 p2105 N91-21584
13 p2114 N91-21638
13 p2117 N91-21656
13 p2144 N91-21808
13 p2145 N91-21815
13 p2158 N91-21898
13 p2159 N91-21902
13 p2159 N91-21903
13 p2161 N91-21915
14 p2201 N91-22157
14 p2247 N91-22433
14 p2251 N91-22455
14 p2265 N91-22534
14 p2269 N91-22555
14 p2269 N91-22557
14 p2270 N91-22559
14 p2279 N91-22602
14 p2310 N91-22763
14 p2356 N91-23030
15 p2396 N91-23265
15 p2400 N91-23291
15 p2408 N91-23333
15 p2424 N91-23426
15 p2424 N91-23429
15 p2425 N91-23430
15 p2430 N91-23463
15 p2431 N91-23465
15 p2431 N91-23466
15 p2433 N91-23478
15 p2433 N91-23479
15 p2442 N91-23527
15 p2459 N91-23628
15 p2460 N91-23631
15 p2460 N91-23632
15 p2472 N91-23692
15 p2483 N91-23744
15 p2502 N91-23858
15 p2502 N91-23860
15 p2503 N91-23865
15 p2524 N91-23986
15 p2529 N91-24013
15 p2529 N91-24015
15 p2532 N91-24027
15 p2532 N91-24028
16 p2652 N91-24678
16 p2655 N91-24691
16 p2660 N91-24717
17 p2741 N91-25170
17 p2757 N91-25263
17 p2757 N91-25264
17 p2760 N91-25281
17 p2767 N91-25314
17 p2777 N91-25371
17 p2777 N91-25372
17 p2778 N91-25373
17 p2778 N91-25374
17 p2778 N91-25377
17 p2780 N91-25385
17 p2781 N91-25389
17 p2781 N91-25390
17 p2822 N91-25595
17 p2847 N91-25734
17 p2860 N91-25813
17 p2860 N91-25814
17 p2862 N91-25830
17 p2864 N91-25837
17 p2864 N91-25839
17 p2867 N91-25859
17 p2867 N91-25861
17 p2867 N91-25862
17 p2869 N91-25868
17 p2869 N91-25869
17 p2869 N91-25871
17 p2916 N91-26102
17 p2918 N91-26106
18 p2934 N91-26187
18 p2941 N91-26223
18 p2944 N91-26241
18 p2957 N91-26318
18 p2967 N91-26381
18 p2986 N91-26485
18 p2991 N91-26517
18 p2991 N91-26518
18 p2991 N91-26519
18 p2992 N91-26523
18 p2992 N91-26525
18 p2993 N91-26526
18 p2999 N91-26560
18 p3007 N91-26606
18 p3009 N91-26612
18 p3049 N91-26834
18 p3067 N91-26943
18 p3067 N91-26947
18 p3072 N91-26975
18 p3072 N91-26977
18 p3082 N91-27045
18 p3084 N91-27052
19 p3118 N91-27225
19 p3128 N91-27284
19 p3155 N91-27443
19 p3171 N91-27529
19 p3218 N91-27784
19 p3235 N91-27885
19 p3247 N91-27960
20 p3282 N91-28148
20 p3285 N91-28167
20 p3302 N91-28275
20 p3304 N91-28284
20 p3304 N91-28285
20 p3304 N91-28286
20 p3307 N91-28305
20 p3307 N91-28306
20 p3307 N91-28307
20 p3308 N91-28313
20 p3311 N91-28326
20 p3315 N91-28351
20 p3318 N91-28365
20 p3322 N91-28394
20 p3325 N91-28408
20 p3327 N91-28422
20 p3329 N91-28436
20 p3331 N91-28447
20 p3334 N91-28462
20 p3334 N91-28467
20 p3339 N91-28489
20 p3342 N91-28506
20 p3348 N91-28542
20 p3350 N91-28551
20 p3351 N91-28559
20 p3351 N91-28560
20 p3351 N91-28561
20 p3352 N91-28568
20 p3353 N91-28571
20 p3357 N91-28599
20 p3358 N91-28602
20 p3363 N91-28628
20 p3371 N91-28672
20 p3375 N91-28700
20 p3378 N91-28712
20 p3388 N91-28772
20 p3388 N91-28774
20 p3390 N91-28781
20 p3396 N91-28824
20 p3396 N91-28825
20 p3397 N91-28827
20 p3405 N91-28876
20 p3405 N91-28877
20 p3416 N91-28944
20 p3417 N91-28948
20 p3418 N91-28952
20 p3418 N91-28954
20 p3418 N91-28955
20 p3419 N91-28958
20 p3419 N91-28960
20 p3419 N91-28962
20 p3420 N91-28966
20 p3423 N91-28984
20 p3434 N91-29053
20 p3436 N91-29063
21 p3460 N91-29192
21 p3481 N91-29306
21 p3483 N91-29322
21 p3494 N91-29387
21 p3502 N91-29435
21 p3510 N91-29486
21 p3510 N91-29489
21 p3513 N91-29506
21 p3517 N91-29528
21 p3517 N91-29530
21 p3520 N91-29548
21 p3520 N91-29550
21 p3520 N91-29551
21 p3520 N91-29552
21 p3522 N91-29559
21 p3522 N91-29561
21 p3525 N91-29578
21 p3525 N91-29583
21 p3531 N91-29620
21 p3534 N91-29633
21 p3534 N91-29634
21 p3537 N91-29652
21 p3537 N91-29654
21 p3562 N91-29798
21 p3562 N91-29801
21 p3570 N91-29848
21 p3570 N91-29849
21 p3570 N91-29850
21 p3573 N91-29869
21 p3578 N91-29899
21 p3578 N91-29903
21 p3580 N91-29911
21 p3580 N91-29914
21 p3580 N91-29916
21 p3586 N91-29946
21 p3586 N91-29950
21 p3588 N91-29958
21 p3589 N91-29962
21 p3589 N91-29967
21 p3590 N91-29969
21 p3590 N91-29972
21 p3600 N91-30033
21 p3600 N91-30034
21 p3601 N91-30035
21 p3601 N91-30039
21 p3605 N91-30062
22 p3752 N91-30915
23 p3810 N91-31252
23 p3814 N91-31274
23 p3818 N91-31298
23 p3821 N91-31314
23 p3821 N91-31315
23 p3821 N91-31316
23 p3859 N91-31520
23 p3860 N91-31521
23 p3867 N91-31572
23 p3879 N91-31642
23 p3881 N91-31658
23 p3884 N91-31675
23 p3888 N91-31698
23 p3891 N91-31717
23 p3892 N91-31718
23 p3892 N91-31719
23 p3896 N91-31748
23 p3896 N91-31749
23 p3899 N91-31763
23 p3908 N91-31815
23 p3942 N91-32031

	24	p3964	N91-32151
	24	p3974	N91-32197
	24	p3978	N91-32220
	24	p3979	N91-32227
	24	p3981	N91-32238
	24	p3989	N91-32286
	24	p4006	N91-32401
	24	p4006	N91-32402
	24	p4008	N91-32409
	24	p4008	N91-32413
	24	p4009	N91-32415
	24	p4009	N91-32417
	24	p4017	N91-32457
	24	p4019	N91-32467
	24	p4021	N91-32473
	24	p4023	N91-32481
	24	p4023	N91-32482
	24	p4023	N91-32483
	24	p4023	N91-32486
	24	p4024	N91-32487
	24	p4024	N91-32490
	24	p4026	N91-32501
	24	p4027	N91-32502
	24	p4027	N91-32503
	24	p4027	N91-32504
	24	p4035	N91-32544
	24	p4040	N91-32572
	24	p4042	N91-32588
	24	p4043	N91-32589
	24	p4071	N91-32743
	24	p4073	N91-32758
	24	p4096	N91-32885
	24	p4096	N91-32886
	24	p4098	N91-32898
	24	p4100	N91-32911
	24	p4101	N91-32916
	24	p4101	N91-32917
	24	p4102	N91-32918
	24	p4102	N91-32919
	24	p4105	N91-32940
	24	p4107	N91-32951
	24	p4108	N91-32958
	24	p4110	N91-32970
	24	p4110	N91-32973
	24	p4111	N91-32979
	24	p4111	N91-32980
	24	p4112	N91-32985
	24	p4122	N91-33038
	24	p4122	N91-33039
	24	p4124	N91-33051
	24	p4124	N91-33053
W-7405-ENG-82	01	p0024	N91-10144
	01	p0025	N91-10146
	01	p0029	N91-10174
	02	p0191	N91-11070
	02	p0191	N91-11071
	02	p0194	N91-11083
	02	p0197	N91-11101
	02	p0199	N91-11112
	02	p0221	N91-11234
	02	p0226	N91-11264
	02	p0226	N91-11267
	02	p0265	N91-11486
	02	p0268	N91-11503
	02	p0269	N91-11506
	02	p0278	N91-11564
	02	p0279	N91-11571
	03	p0424	N91-12373
	04	p0535	N91-12967
	05	p0634	N91-13516
	05	p0635	N91-13518
	05	p0636	N91-13525
	05	p0636	N91-13526
	05	p0727	N91-14059
	06	p0809	N91-14466
	06	p0882	N91-14873
	07	p0980	N91-15377
	07	p0985	N91-15406
	07	p1008	N91-15535
	07	p1071	N91-15891
	08	p1109	N91-16089
	08	p1110	N91-16100
	08	p1152	N91-16347
	08	p1228	N91-16770
	08	p1233	N91-16799
	10	p1497	N91-18240
	10	p1566	N91-18609
	10	p1608	N91-18871
	10	p1610	N91-18884
	11	p1683	N91-19272
	11	p1776	N91-19744
	11	p1793	N91-19837
	12	p1978	N91-20884
	12	p1993	N91-20969
	13	p2050	N91-21279
	14	p2324	N91-22836
WORK ORDER-5E	19	p3103	N91-27145
WP-85060D	09	p1349	N91-17410
W12-77	13	p2074	N91-21422
ZB-7-06003-2	02	p0230	N91-11285
073-36-00-00-72	01	p0098	N91-10574
141-20-40-05	19	p3239	N91-27910
151-01-60-03	18	p3085	N91-27057
186-30-00-00-00	06	p0788	N91-14359
186-30-21	11	p1740	N91-19566
188-44-53	05	p0734	N91-14100
188-78-44	22	p3770	N91-31024
188-78-60	24	p4121	N91-33033
196-88-00-03	16	p2705	N91-24972
199-04-16-11	05	p0714	N91-13985
	08	p1268	N91-16981
	09	p1449	N91-17997
	09	p1450	N91-17998
	13	p2152	N91-21860
	14	p2354	N91-23017
	17	p2918	N91-26107
199-14-12-04	15	p2474	N91-23704
199-18-12-07	05	p0694	N91-13862
199-21-12	14	p2301	N91-22716
199-26-11-24-6A	11	p1761	N91-19687
199-52-12-01	06	p0856	N91-14725
199-59-12-05	07	p1038	N91-15691
199-61-12	16	p2665	N91-24744
	23	p3901	N91-31775
244-10-00	11	p1693	N91-19323
307-50-00	16	p2589	N91-24345
307-50-62-11	11	p1791	N91-19824
307-50-81	11	p1790	N91-19823
307-51-00	11	p1679	N91-19256
	11	p1687	N91-19296
	13	p2160	N91-21910
	15	p2437	N91-23501
307-51-10	05	p0707	N91-13941
	10	p1579	N91-18692
310-10-61-84-02	03	p0353	N91-11974
310-10-62-15-00	03	p0354	N91-11975
310-10-62-16-00	03	p0354	N91-11976
310-10-63-88-01	03	p0354	N91-11977
310-10-63-90-01	24	p3983	N91-32251
310-20-65-04-00	03	p0354	N91-11978
310-20-65-63-00	24	p3986	N91-32267
	24	p3986	N91-32268
310-20-65-86-04	24	p3984	N91-32252
310-20-65-91-00	24	p3984	N91-32253
310-20-66-09-01	24	p3984	N91-32254
	24	p3984	N91-32255
310-20-66-87-02	24	p3984	N91-32256
310-20-67-59-00	24	p3984	N91-32257
310-20-67-63-00	24	p3984	N91-32258
310-20-67-88-03	03	p0354	N91-11979
310-20-67-91-01	24	p3984	N91-32259
310-30-69-88-04	24	p3986	N91-32269
	24	p3986	N91-32270
	24	p3986	N91-32271
310-30-69-91-05	24	p3987	N91-32272
310-30-70-84-02	24	p3985	N91-32260
	24	p3985	N91-32261
310-30-70-87-06	24	p3985	N91-32262
310-30-70-89-01	24	p3985	N91-32263
310-30-71-83-02	03	p0354	N91-11980
	03	p0354	N91-11981
310-30-71-83-04	24	p3985	N91-32264
	24	p3986	N91-32266
310-30-72-88-01	24	p3985	N91-32265
314-30-41-11-10	24	p3987	N91-32274
314-30-43-20-52	24	p3987	N91-32276
314-30-66-11-11	03	p0355	N91-11983
314-30-69-10-03	03	p0355	N91-11985
314-30-69-40-06	24	p3987	N91-32277
314-40-21-30-02	24	p3988	N91-32278
314-40-22-70-08	03	p0355	N91-11984
314-40-31-30-03	24	p3988	N91-32279
314-40-41-11-06	24	p3987	N91-32273
	24	p3987	N91-32275
314-40-41-81-13	03	p0355	N91-11982
316-30-19	15	p2410	N91-23347
	15	p2533	N91-24030
	24	p3989	N91-32287
316-60-13	12	p1853	N91-20184
321-01-00	21	p3501	N91-29431
323-51-43-05-00	05	p0725	N91-14049
323-53-62	13	p2033	N91-21182
324-01-00	02	p0182	N91-11027
	03	p0398	N91-12210
	19	p3106	N91-27163
324-02-00	07	p0946	N91-15188
	12	p1868	N91-20265
324-02-00-01	05	p0625	N91-13463
326-22-20-50	05	p0768	N91-14265
326-23-30-01	05	p0765	N91-14251
326-31-15	11	p1665	N91-19178
326-81-10	05	p0767	N91-14259
	15	p2458	N91-23620
	20	p3303	N91-28278
326-81-20-02	13	p2034	N91-21183
326-83-10-50	09	p1450	N91-17999
326-84-32-20	21	p3607	N91-30068
342-02-00	13	p2034	N91-21184
397-12-20	12	p1910	N91-20500
404-00-73-04-17	01	p0141	N91-10829
412-20-26-01	05	p0630	N91-13492
432-06-51	20	p3279	N91-28134
464-99-01-00	22	p3622	N91-30153
465-44-11	13	p2114	N91-21641
474-12-10	04	p0532	N91-12954
	11	p1718	N91-19462
	12	p1894	N91-20417
	12	p1957	N91-20765
	14	p2310	N91-22766
	16	p2566	N91-24225
	19	p3114	N91-27204
	21	p3462	N91-29199
474-17-10	12	p1932	N91-20630
474-42-10	18	p2938	N91-26202
	19	p3114	N91-27206
	19	p3114	N91-27207
	20	p3389	N91-28776
	22	p3641	N91-30266
	22	p3642	N91-30267
474-46-10	23	p3890	N91-31708
474-52-01	03	p0324	N91-11802
474-52-10	07	p0962	N91-15297
	11	p1665	N91-19177
	14	p2235	N91-22367
	16	p2566	N91-24227
	17	p2744	N91-25184
	19	p3115	N91-27209
	22	p3641	N91-30265
474-74-10	22	p3627	N91-30186
476-14-01	07	p1038	N91-15692
	19	p3216	N91-27773
476-14-06-01	07	p0947	N91-15191
	12	p1854	N91-20189
	12	p1932	N91-20631
	13	p2041	N91-21225
476-14-15-01	13	p2039	N91-21214
	13	p2104	N91-21581
476-30-70-08	05	p0627	N91-13476
476-50-02-02	23	p3801	N91-31201
476-84-03	07	p0989	N91-15426
488-51-01	17	p2838	N91-25687
488-51-03	16	p2566	N91-24226
488-80-04-01	18	p3043	N91-26800
488-80-41	09	p1384	N91-17613
505-01-01	11	p1675	N91-19234
505-02-22	11	p1702	N91-19373
505-03-01	01	p0011	N91-10065
505-05-10	15	p2382	N91-23186
505-10-03	16	p2673	N91-24796
505-10-50	17	p2761	N91-25286
505-12-33	17	p2837	N91-25680
505-13-00	20	p3365	N91-28644
505-33-1A	01	p0025	N91-10149
505-34-13-34	01	p0094	N91-10548
505-35-31	18	p2926	N91-26142
505-41-41	02	p0190	N91-11062
505-43-11	05	p0725	N91-14050
	19	p3116	N91-27216
505-44-2C	12	p1892	N91-20406
505-45-21	01	p0013	N91-10079
505-59-00	06	p0856	N91-14727
	16	p2559	N91-24198
505-59-30-03	11	p1775	N91-19737

505-59-36 ..... 17 p2727 N91-25102
24 p3960 N91-32134
505-59-36-01 ..... 19 p3101 N91-27132
505-59-40-02 ..... 14 p2187 N91-22080
505-59-50-01 ..... 11 p1643 N91-19061
505-59-51 ..... 22 p3610 N91-30080
505-59-52 ..... 24 p3963 N91-32145
505-59-53 ..... 18 p2982 N91-26465
505-59-54 ..... 19 p3169 N91-27523
505-59-54-01 ..... 08 p1099 N91-16033
505-59-85-01 ..... 10 p1474 N91-18120
12 p1845 N91-20143
14 p2276 N91-22589
17 p2760 N91-25283
20 p3280 N91-28138
505-60-4X 16 p2628 N91-24555
505-60-00 ..... 01 p0003 N91-10013
01 p0043 N91-10252
07 p0938 N91-15139
07 p1057 N91-15805
09 p1294 N91-17112
22 p3618 N91-30130
505-60-01 ..... 02 p0143 N91-10839
02 p0149 N91-10868
505-60-01-01 ..... 14 p2185 N91-22070
17 p2828 N91-25623
505-60-11 ..... 05 p0658 N91-13652
05 p0658 N91-13653
06 p0912 N91-15040
505-60-11-01 ..... 16 p2550 N91-24132
505-60-11-03 ..... 10 p1456 N91-18030
505-60-21 ..... 09 p1284 N91-17060
11 p1641 N91-19051
11 p1642 N91-19058
16 p2629 N91-24556
22 p3623 N91-30154
505-60-21-04 ..... 10 p1467 N91-18094
505-60-31-01 ..... 16 p2560 N91-24199
505-60-41-01 ..... 06 p0784 N91-14346
16 p2551 N91-24139
505-61-00 ..... 11 p1771 N91-19714
17 p2774 N91-25352
505-61-01 ..... 01 p0045 N91-10268
505-61-01-01 ..... 19 p3108 N91-27169
505-61-01-04 ..... 12 p1827 N91-20043
505-61-01-05 ..... 14 p2267 N91-22540
505-61-01-06 ..... 03 p0368 N91-12063
505-61-11 ..... 07 p1002 N91-15499
13 p2147 N91-21828
505-61-11-02 ..... 08 p1214 N91-16682
505-61-21 ..... 01 p0003 N91-10014
09 p1274 N91-17001
10 p1463 N91-18066
11 p1643 N91-19062
505-61-21-03 ..... 02 p0155 N91-10902
05 p0625 N91-13461
06 p0780 N91-14323
16 p2544 N91-24098
20 p3281 N91-28143
505-61-41-01 ..... 22 p3613 N91-30098
505-61-51 ..... 01 p0002 N91-10007
01 p0008 N91-10045
01 p0008 N91-10048
02 p0161 N91-10933
06 p0771 N91-14273
06 p0777 N91-14311
07 p0935 N91-15124
07 p0939 N91-15147
11 p1639 N91-19041
11 p1641 N91-19050
11 p1641 N91-19052
11 p1643 N91-19060
11 p1644 N91-19067
11 p1791 N91-19826
13 p2147 N91-21829
17 p2824 N91-25601
23 p3781 N91-31078
505-61-51-10 ..... 05 p0614 N91-13406
10 p1457 N91-18033
505-61-52 ..... 12 p1835 N91-20084
14 p2320 N91-22814
505-61-71 ..... 05 p0614 N91-13408
05 p0625 N91-13466
07 p0945 N91-15182
12 p1831 N91-20062
14 p2187 N91-22077
16 p2546 N91-24108
16 p2562 N91-24209
505-61-71-01 ..... 05 p0613 N91-13401
11 p1639 N91-19042
505-61-71-03 ..... 07 p1048 N91-15751
505-61-71-07 ..... 05 p0701 N91-13907
505-61-85-01 ..... 04 p0536 N91-12971
505-61-86-06 ..... 04 p0488 N91-12712
505-61-91 ..... 24 p3948 N91-32071
505-62-0K 03 p0313 N91-11752
07 p0939 N91-15146
17 p2785 N91-25412
23 p3797 N91-31178
505-62-0K 13 p2094 N91-21531
505-62-0U 23 p3917 N91-31876
505-62-3B 11 p1654 N91-19115
12 p1842 N91-20126
505-62-4D 01 p0119 N91-10703
02 p0267 N91-11495
03 p0323 N91-11799
03 p0414 N91-12316
11 p1641 N91-19049
11 p1791 N91-19825
22 p3693 N91-30562
505-62-00 ..... 12 p1835 N91-20086
18 p3055 N91-26872
22 p3675 N91-30461
24 p4021 N91-32474
505-62-01 ..... 01 p0045 N91-10271
11 p1707 N91-19403
11 p1708 N91-19404
12 p1843 N91-20133
505-62-10 ..... 17 p2736 N91-25148
505-62-12 ..... 15 p2364 N91-23083
505-62-21 ..... 01 p0035 N91-10208
02 p0213 N91-11192
03 p0301 N91-11675
03 p0301 N91-11676
03 p0313 N91-11753
03 p0368 N91-12064
05 p0616 N91-13420
06 p0825 N91-14559
06 p0865 N91-14781
07 p0937 N91-15134
07 p0987 N91-15418
11 p1640 N91-19044
11 p1642 N91-19054
11 p1642 N91-19059
11 p1701 N91-19370
11 p1702 N91-19375
11 p1784 N91-19786
12 p1828 N91-20044
13 p2012 N91-21062
14 p2198 N91-22139
14 p2264 N91-22524
14 p2266 N91-22536
15 p2422 N91-23416
16 p2549 N91-24124
16 p2623 N91-24525
16 p2626 N91-24541
16 p2628 N91-24551
16 p2648 N91-24659
16 p2677 N91-24817
16 p2677 N91-24818
17 p2847 N91-25739
19 p3107 N91-27164
19 p3181 N91-27591
22 p3675 N91-30462
22 p3744 N91-30865
23 p3871 N91-31597
23 p3922 N91-31911
24 p4017 N91-32458
24 p4017 N91-32459
24 p4017 N91-32460
505-62-30 ..... 17 p2742 N91-25175
505-62-31 ..... 11 p1702 N91-19372
11 p1702 N91-19374
505-62-31-06 ..... 09 p1331 N91-17310
505-62-31-07 ..... 19 p3102 N91-27140
505-62-40 ..... 02 p0266 N91-11493
21 p3452 N91-29147
21 p3452 N91-29150
505-62-40-02 ..... 05 p0657 N91-13651
505-62-40-07 ..... 14 p2188 N91-22085
17 p2728 N91-25104
505-62-41 ..... 05 p0623 N91-13455
505-62-41-05 ..... 05 p0613 N91-13402
505-62-50 ..... 06 p0878 N91-14850
12 p1841 N91-20122
12 p1901 N91-20453
13 p2025 N91-21137
13 p2025 N91-21140
14 p2197 N91-22135
14 p2337 N91-22921
15 p2516 N91-23946
16 p2677 N91-24815
17 p2779 N91-25382
17 p2780 N91-25387
19 p3105 N91-27157
19 p3107 N91-27167
19 p3167 N91-27511
19 p3169 N91-27521
21 p3460 N91-29188
24 p3962 N91-32143
505-62-52 ..... 07 p0965 N91-15303
09 p1273 N91-17000
09 p1337 N91-17341
11 p1641 N91-19053
11 p1643 N91-19063
11 p1701 N91-19367
11 p1707 N91-19402
11 p1715 N91-19443
12 p1969 N91-20830
13 p2011 N91-21060
13 p2011 N91-21061
13 p2078 N91-21448
13 p2080 N91-21458
14 p2188 N91-22084
15 p2365 N91-23089
15 p2381 N91-23179
15 p2421 N91-23409
16 p2550 N91-24130
16 p2550 N91-24131
16 p2591 N91-24359
16 p2623 N91-24527
16 p2627 N91-24550
16 p2665 N91-24745
17 p2860 N91-25817
18 p2922 N91-26121
19 p3106 N91-27159
19 p3163 N91-27488
19 p3163 N91-27489
19 p3165 N91-27502
19 p3167 N91-27510
19 p3176 N91-27559
21 p3516 N91-29525
22 p3624 N91-30163
22 p3676 N91-30468
22 p3677 N91-30472
22 p3677 N91-30473
22 p3677 N91-30474
22 p3677 N91-30476
22 p3745 N91-30867
23 p3785 N91-31106
24 p3949 N91-32074
24 p4014 N91-32440
505-62-71 ..... 05 p0623 N91-13457
13 p2020 N91-21116
16 p2560 N91-24201
505-62-71-01 ..... 06 p0771 N91-14275
07 p0935 N91-15125
13 p2011 N91-21059
14 p2185 N91-22069
505-62-84 ..... 11 p1707 N91-19401
505-62-91 ..... 13 p2020 N91-21115
18 p2922 N91-26122
19 p3100 N91-27129
505-62-91-01 ..... 06 p0778 N91-14316
505-63-1A 04 p0523 N91-12913
06 p0817 N91-14511
07 p0971 N91-15329
07 p0982 N91-15390
08 p1145 N91-16304
11 p1674 N91-19224
14 p2238 N91-22377
14 p2238 N91-22379
16 p2607 N91-24451
17 p2744 N91-25186
21 p3468 N91-29235
22 p3676 N91-30469
505-63-1B 01 p0056 N91-10332
06 p0838 N91-14632
07 p0944 N91-15174
09 p1274 N91-17002
11 p1686 N91-19292
11 p1715 N91-19441
11 p1715 N91-19442
11 p1721 N91-19473
13 p2025 N91-21138
13 p2100 N91-21559
14 p2252 N91-22460
15 p2439 N91-23512
16 p2636 N91-24593
20 p3363 N91-28627
22 p3644 N91-30282
505-63-1M 11 p1686 N91-19293
15 p2404 N91-23311
505-63-5A 03 p0348 N91-11945
11 p1701 N91-19369
12 p1862 N91-20228
14 p2241 N91-22396
15 p2426 N91-23439
22 p3689 N91-30539
505-63-5B 11 p1721 N91-19475
11 p1721 N91-19477
12 p1954 N91-20748
14 p2271 N91-22567
14 p2272 N91-22571
15 p2439 N91-23515
15 p2446 N91-23550
17 p2785 N91-25413
21 p3533 N91-29629

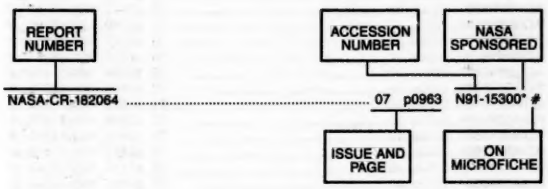
	22	p3688	N91-30532
	24	p3970	N91-32180
	24	p3971	N91-32181
	24	p3971	N91-32182
505-63-00	19	p3181	N91-27592
505-63-01	01	p0025	N91-10150
	08	p1165	N91-16414
	19	p3117	N91-27224
505-63-01-01	24	p3979	N91-32231
505-63-01-05	01	p0022	N91-10128
	03	p0379	N91-12116
	05	p0677	N91-13761
	11	p1722	N91-19482
	14	p2239	N91-22384
	14	p2276	N91-22587
	15	p2393	N91-23244
	18	p3000	N91-26569
	23	p3884	N91-31677
505-63-01-06	21	p3471	N91-29253
505-63-01-07	01	p0050	N91-10301
505-63-01-08	06	p0835	N91-14618
505-63-01-09	03	p0325	N91-11808
	10	p1492	N91-18215
505-63-01-10	02	p0224	N91-11252
505-63-01-11	03	p0376	N91-12104
	05	p0674	N91-13750
	05	p0675	N91-13751
	13	p2099	N91-21556
505-63-01-15	02	p0192	N91-11072
	12	p1859	N91-20207
505-63-01-22	19	p3110	N91-27179
505-63-10	19	p3117	N91-27221
505-63-10-02	05	p0621	N91-13445
505-63-11	06	p0802	N91-14426
	16	p2644	N91-24636
505-63-21	05	p0613	N91-13400
	13	p2023	N91-21127
505-63-21-01	02	p0156	N91-10904
505-63-21-02	05	p0615	N91-13412
505-63-21-04	10	p1456	N91-18031
505-63-31	11	p1646	N91-19077
	11	p1647	N91-19080
	13	p2078	N91-21446
	18	p2943	N91-26234
505-63-36	11	p1714	N91-19438
	11	p1714	N91-19439
	14	p2270	N91-22562
	14	p2271	N91-22568
	14	p2272	N91-22570
	15	p2437	N91-23500
	15	p2439	N91-23513
	19	p3173	N91-27546
	19	p3176	N91-27558
	19	p3177	N91-27569
	19	p3178	N91-27570
	21	p3528	N91-29599
	21	p3528	N91-29600
	22	p3688	N91-30533
	22	p3689	N91-30537
	23	p3790	N91-31138
	23	p3790	N91-31139
	23	p3881	N91-31654
505-63-36-01	07	p1021	N91-15607
	09	p1352	N91-17428
	10	p1534	N91-18445
	11	p1722	N91-19478
	23	p3885	N91-31679
	23	p3886	N91-31687
	24	p4030	N91-32519
505-63-36-02	19	p3099	N91-27120
505-63-36-05	19	p3238	N91-27909
505-63-36-06	14	p2187	N91-22078
	18	p2925	N91-26137
505-63-40	07	p0970	N91-15328
	12	p1871	N91-20284
	14	p2193	N91-22111
	14	p2193	N91-22116
	19	p3121	N91-27242
	23	p3851	N91-31470
505-63-41-02	09	p1276	N91-17014
	14	p2274	N91-22576
505-63-50	14	p2241	N91-22397
	14	p2250	N91-22448
	15	p2374	N91-23135
	16	p2559	N91-24196
505-63-50-01	03	p0325	N91-11809
	07	p0972	N91-15337
	13	p2055	N91-21306
	13	p2055	N91-21308
	18	p2966	N91-26377
	18	p2966	N91-26378
505-63-50-02	14	p2246	N91-22426
	16	p2599	N91-24402
	16	p2599	N91-24404
	20	p3312	N91-28334
	24	p3974	N91-32200
505-63-50-04	07	p1020	N91-15604
	10	p1494	N91-18223
	20	p3305	N91-28293
	20	p3362	N91-28626
	21	p3469	N91-29239
	21	p3469	N91-29240
	22	p3643	N91-30274
	22	p3643	N91-30275
	22	p3644	N91-30280
	22	p3694	N91-30567
	23	p3887	N91-31692
	24	p4032	N91-32527
505-63-50-05	07	p1020	N91-15605
	16	p2591	N91-24358
505-63-50-06	14	p2193	N91-22113
	14	p2274	N91-22578
505-63-50-09	13	p2100	N91-21557
505-63-50-12	01	p0004	N91-10020
	02	p0158	N91-10918
	02	p0158	N91-10919
	03	p0300	N91-11673
	03	p0300	N91-11674
	12	p1828	N91-20048
505-63-50-13	05	p0615	N91-13411
	12	p1828	N91-20046
	13	p2032	N91-21177
505-63-50-16	20	p3280	N91-28137
505-63-51	04	p0533	N91-12956
	05	p0672	N91-13737
	06	p0833	N91-14602
	11	p1714	N91-19435
	13	p2095	N91-21534
	13	p2148	N91-21834
	14	p2271	N91-22566
	15	p2439	N91-23514
	17	p2785	N91-25411
	23	p3880	N91-31648
505-63-51-03	05	p0625	N91-13462
505-63-51-06	03	p0414	N91-12315
505-63-52	09	p1352	N91-17427
	11	p1721	N91-19476
	14	p2277	N91-22594
505-63-53	23	p3886	N91-31685
	23	p3886	N91-31686
	24	p4031	N91-32526
505-63-53-01	14	p2277	N91-22595
	14	p2277	N91-22596
	14	p2278	N91-22597
	14	p2278	N91-22598
505-63-56	17	p2782	N91-25395
505-63-113	05	p0623	N91-13456
505-64-00	09	p1275	N91-17009
	13	p2184	N91-22066
	21	p3461	N91-29194
505-64-10	24	p3960	N91-32132
505-64-10-05	19	p3232	N91-27868
	19	p3233	N91-27873
	21	p3559	N91-29777
	21	p3559	N91-29778
	23	p3861	N91-31531
505-64-10-07	18	p3043	N91-26797
	20	p3389	N91-28777
505-64-12	13	p2024	N91-21132
	16	p2551	N91-24140
	16	p2555	N91-24166
505-64-12-02	19	p3149	N91-27402
505-64-12-51	24	p3952	N91-32088
505-64-13	11	p1645	N91-19073
	24	p3961	N91-32135
505-64-13-01	23	p3791	N91-31143
505-64-13-22	07	p0938	N91-15141
505-64-20-01	13	p2026	N91-21144
505-64-30-01	19	p3233	N91-27877
505-64-36	17	p2735	N91-25142
505-64-54	16	p2673	N91-24793
	18	p3042	N91-26796
505-64-70-01	19	p3148	N91-27401
	22	p3728	N91-30748
505-66-00	16	p2559	N91-24193
	16	p2559	N91-24194
505-66-01-02	01	p0013	N91-10078
	11	p1637	N91-19024
505-66-21	09	p1386	N91-17626
	17	p2848	N91-25741
	19	p3218	N91-27786
505-66-21-01	07	p1048	N91-15752
	09	p1376	N91-17559
	10	p1588	N91-18753
505-66-21-02	12	p1973	N91-20857
	21	p3554	N91-29745
505-66-21-03	09	p1384	N91-17612
	16	p2560	N91-24200
	21	p3457	N91-29176
505-66-21-04	03	p0408	N91-12279
505-66-29	13	p2024	N91-21131
505-66-31	11	p1647	N91-19083
505-66-41	01	p0010	N91-10058
	11	p1647	N91-19082
505-66-41-02	10	p1468	N91-18096
505-66-41-04	17	p2737	N91-25151
505-66-41-06	04	p0480	N91-12677
505-66-41-41	11	p1779	N91-19756
	24	p4090	N91-32853
505-66-51	06	p0779	N91-14322
505-66-71	01	p0056	N91-10328
	13	p2105	N91-21587
	16	p2562	N91-24210
	18	p2925	N91-26140
	21	p3461	N91-29193
	24	p4090	N91-32850
505-66-71-03	10	p1473	N91-18115
	12	p1842	N91-20128
505-66-91-01	05	p0646	N91-13585
505-66-91-02	07	p0989	N91-15425
505-67-00	24	p4081	N91-32798
505-67-01	04	p0553	N91-13066
	06	p0785	N91-14353
	07	p0943	N91-15173
	22	p3719	N91-30697
505-67-01-04	06	p0784	N91-14347
505-67-11	19	p3214	N91-27763
505-67-21	15	p2367	N91-23099
505-67-21-07	02	p0161	N91-10936
505-67-41	19	p3103	N91-27144
505-67-41-54	03	p0302	N91-11682
	03	p0304	N91-11695
505-67-51	19	p3214	N91-27764
505-68-00	14	p2196	N91-22131
505-68-10	06	p0777	N91-14310
	11	p1640	N91-19046
	11	p1640	N91-19047
	15	p2365	N91-23086
	15	p2365	N91-23087
505-68-11	05	p0617	N91-13421
	06	p0777	N91-14309
	11	p1642	N91-19056
	13	p2087	N91-21485
	15	p2382	N91-23183
	15	p2382	N91-23184
505-68-27	11	p1776	N91-19742
	22	p3618	N91-30128
505-68-30	16	p2549	N91-24123
505-68-30-10	11	p1645	N91-19074
	14	p2190	N91-22096
505-68-71	11	p1642	N91-19055
	12	p1830	N91-20055
	24	p3948	N91-32070
505-68-84	13	p2024	N91-21134
505-68-91-01	05	p0626	N91-13467
505-68-91-12	19	p3099	N91-27124
505-69-01	12	p1858	N91-20206
505-69-01-01	14	p2191	N91-22103
505-69-01-02	05	p0619	N91-13432
	05	p0619	N91-13433
505-69-50	22	p3620	N91-30141
	24	p3962	N91-32141
505-69-51	08	p1093	N91-16001
	11	p1650	N91-19097
505-69-61	07	p1063	N91-15848
505-69-61-04	10	p1542	N91-18489
	10	p1543	N91-18490
505-80-11-02	12	p1899	N91-20447
505-80-21	20	p3280	N91-28136
505-86-01-21	14	p2234	N91-22358
505-90-00	09	p1423	N91-17835
	10	p1613	N91-18898
	14	p2339	N91-22931
	16	p2698	N91-24943
	17	p2885	N91-25950
	24	p4117	N91-33013
505-90-01	04	p0534	N91-12962
	05	p0655	N91-13638
	11	p1718	N91-19461
	12	p1899	N91-20445
	19	p3162	N91-27487
505-90-21	22	p3688	N91-30531
505-90-21-01	01	p0002	N91-10009
	01	p0002	N91-10010
	01	p0004	N91-10021
	01	p0004	N91-10022
	01	p0040	N91-10237
	01	p0042	N91-10250
	01	p0043	N91-10251
	01	p0103	N91-10599
	01	p0104	N91-10600
	01	p0108	N91-10628
	01	p0114	N91-10664
	02	p0252	N91-11397
	02	p0257	N91-11430
	03	p0363	N91-12033
	03	p0399	N91-12216
	03	p0399	N91-12217

	05	p0615	N91-13410
	05	p0656	N91-13642
	05	p0657	N91-13649
	05	p0657	N91-13650
	05	p0660	N91-13669
	05	p0706	N91-13935
	05	p0709	N91-13952
	05	p0711	N91-13966
	06	p0777	N91-14307
	06	p0777	N91-14308
	06	p0856	N91-14726
	08	p1091	N91-15991
	08	p1092	N91-15994
	08	p1092	N91-15995
	08	p1092	N91-15996
	08	p1146	N91-16306
	08	p1211	N91-16664
	09	p1286	N91-17069
	09	p1392	N91-17658
	11	p1701	N91-19366
	12	p1952	N91-20739
505-90-51	22	p3651	N91-30318
	24	p3975	N91-32204
505-90-52	24	p3977	N91-32215
505-90-52-01	09	p1392	N91-17659
	10	p1462	N91-18062
	10	p1462	N91-18063
	10	p1524	N91-18390
	10	p1525	N91-18397
	10	p1566	N91-18610
	10	p1567	N91-18613
	10	p1586	N91-18740
	11	p1640	N91-19043
	11	p1697	N91-19345
	11	p1772	N91-19715
	11	p1772	N91-19716
	12	p1831	N91-20061
	12	p1831	N91-20063
	12	p1846	N91-20146
	12	p1899	N91-20446
	13	p2017	N91-21099
	13	p2025	N91-21139
	13	p2079	N91-21451
	13	p2079	N91-21453
	13	p2079	N91-21454
	13	p2079	N91-21455
	13	p2080	N91-21456
	13	p2080	N91-21457
	13	p2130	N91-21724
	13	p2143	N91-21796
	13	p2143	N91-21800
	13	p2143	N91-21801
	14	p2266	N91-22537
	15	p2425	N91-23433
	15	p2425	N91-23434
	16	p2549	N91-24125
	16	p2549	N91-24126
	16	p2549	N91-24127
	16	p2627	N91-24546
	16	p2666	N91-24746
	16	p2677	N91-24819
	16	p2679	N91-24833
	17	p2728	N91-25105
	17	p2832	N91-25644
	17	p2842	N91-25704
	18	p3038	N91-26767
	19	p3099	N91-27121
	19	p3163	N91-27490
	19	p3165	N91-27501
	19	p3232	N91-27869
	19	p3235	N91-27887
	19	p3235	N91-27888
	20	p3393	N91-28806
	22	p3611	N91-30088
	22	p3611	N91-30089
	22	p3612	N91-30093
	22	p3612	N91-30094
	22	p3613	N91-30096
	22	p3613	N91-30097
	22	p3624	N91-30162
	22	p3676	N91-30465
	22	p3676	N91-30466
	22	p3676	N91-30467
	22	p3677	N91-30475
	22	p3722	N91-30712
	22	p3728	N91-30749
	22	p3728	N91-30750
	22	p3744	N91-30866
	23	p3868	N91-31576
	23	p3919	N91-31888
	23	p3919	N91-31889
	24	p4018	N91-32463
505-90-52-02	24	p4088	N91-32841
505-90-53	10	p1474	N91-18121
506-14-51-01	07	p0945	N91-15180
506-40-21	03	p0379	N91-12115
	08	p1164	N91-16407
506-40-41-02	16	p2563	N91-24211
	23	p3871	N91-31595
506-40-61-01	10	p1484	N91-18180
506-40-71-05	16	p2550	N91-24129
506-40-91	12	p1894	N91-20418
	13	p2082	N91-21471
506-40-91-01	08	p1103	N91-16058
	10	p1522	N91-18381
	19	p3162	N91-27486
506-40-91-02	24	p4014	N91-32441
506-41-3F	13	p2075	N91-21430
	14	p2260	N91-22502
	18	p2981	N91-26461
506-41-11	02	p0189	N91-11058
	02	p0190	N91-11061
	03	p0324	N91-11801
	06	p0931	N91-15117
	07	p0966	N91-15306
	11	p1663	N91-19165
	11	p1665	N91-19176
	11	p1666	N91-19182
	11	p1698	N91-19354
	11	p1822	N91-20015
	12	p1890	N91-20392
	13	p2076	N91-21433
	14	p2236	N91-22371
	15	p2457	N91-23616
	19	p3156	N91-27447
	21	p3466	N91-29222
	22	p3631	N91-30203
	23	p3800	N91-31196
	23	p3804	N91-31217
	23	p3804	N91-31218
	23	p3932	N91-31977
	24	p3981	N91-32237
	24	p4123	N91-33046
506-41-21	07	p1025	N91-15628
	14	p2237	N91-22375
	14	p2237	N91-22376
	15	p2391	N91-23233
	24	p4036	N91-32549
506-41-31	09	p1356	N91-17452
	16	p2627	N91-24549
	19	p3115	N91-27211
	19	p3116	N91-27214
506-41-41	01	p0023	N91-10134
	09	p1348	N91-17407
	11	p1675	N91-19231
	14	p2236	N91-22370
	14	p2261	N91-22508
	16	p2566	N91-24224
	16	p2700	N91-24952
	17	p2742	N91-25173
	17	p2849	N91-25749
	19	p3156	N91-27444
	24	p3970	N91-32177
	24	p4118	N91-33014
506-41-41-01	11	p1709	N91-19415
506-41-51	14	p2236	N91-22372
	19	p3115	N91-27213
506-42-00	03	p0323	N91-11797
	03	p0324	N91-11800
	05	p0630	N91-13491
	11	p1655	N91-19117
	11	p1665	N91-19175
	16	p2581	N91-24304
	21	p3466	N91-29220
506-42-11	01	p0020	N91-10119
506-42-31	01	p0020	N91-10116
	01	p0020	N91-10118
	02	p0189	N91-11060
	03	p0323	N91-11796
	03	p0323	N91-11798
	08	p1104	N91-16063
	11	p1666	N91-19180
	15	p2386	N91-23205
	16	p2580	N91-24300
	17	p2741	N91-25172
	19	p3116	N91-27215
	19	p3116	N91-27217
	21	p3467	N91-29228
	21	p3467	N91-29229
	21	p3468	N91-29230
	21	p3468	N91-29231
	21	p3567	N91-29832
	21	p3581	N91-29917
	22	p3630	N91-30201
	22	p3631	N91-30202
	22	p3639	N91-30252
	23	p3803	N91-31212
	23	p3804	N91-31216
	23	p3873	N91-31605
	24	p3966	N91-32158
	24	p3967	N91-32162
506-42-51	07	p0967	N91-15308
506-42-72	16	p2580	N91-24303
	16	p2581	N91-24306
	23	p3804	N91-31220
	23	p3821	N91-31318
506-42-73	17	p2763	N91-25300
	24	p3967	N91-32161
506-43-00	13	p2051	N91-21286
506-43-11	03	p0343	N91-11922
	11	p1687	N91-19294
	11	p1719	N91-19463
	13	p2099	N91-21553
	19	p3178	N91-27575
	24	p3977	N91-32216
506-43-11-01	01	p0031	N91-10182
	03	p0343	N91-11920
506-43-11-03	05	p0715	N91-13991
506-43-21	07	p0971	N91-15332
	12	p1902	N91-20465
506-43-21-04	11	p1676	N91-19238
506-43-21-05	10	p1493	N91-18216
	14	p2266	N91-22538
506-43-31	05	p0712	N91-13972
506-43-41-01	13	p2103	N91-21577
	13	p2104	N91-21580
506-43-41-02	05	p0627	N91-13473
	07	p0963	N91-15300
	11	p1663	N91-19166
	11	p1664	N91-19168
	12	p1910	N91-20503
	14	p2225	N91-22306
	14	p2234	N91-22359
	19	p3113	N91-27198
506-43-71-01	05	p0635	N91-13522
	07	p0969	N91-15319
	12	p1868	N91-20266
506-43-71-04	06	p0838	N91-14629
	07	p1019	N91-15599
	14	p2261	N91-22509
506-44-2B	11	p1694	N91-19332
506-44-2C	19	p3161	N91-27477
506-44-00	03	p0414	N91-12317
506-44-20	01	p0132	N91-10780
	03	p0356	N91-11988
506-44-21	11	p1698	N91-19351
	11	p1809	N91-19935
	17	p2768	N91-25320
	21	p3592	N91-29982
506-44-21-01	09	p1337	N91-17342
	10	p1528	N91-18413
506-44-21-03	01	p0037	N91-10221
	14	p2259	N91-22495
506-44-41-01	19	p3109	N91-27177
	19	p3109	N91-27178
506-45-31	05	p0732	N91-14087
506-46-11-01	10	p1486	N91-18186
	11	p1656	N91-19122
	14	p2225	N91-22307
	14	p2229	N91-22331
506-46-21-05	05	p0705	N91-13930
	10	p1516	N91-18347
506-47-31	09	p1286	N91-17071
	12	p1846	N91-20147
506-48-4A	06	p0792	N91-14378
	11	p1703	N91-19378
506-48-00	11	p1663	N91-19167
	11	p1691	N91-19317
	16	p2611	N91-24460
	16	p2614	N91-24470
	16	p2627	N91-24547
	16	p2627	N91-24548
	17	p2739	N91-25161
	17	p2774	N91-25351
	21	p3608	N91-30073
506-48-21	20	p3347	N91-28538
506-48-41	05	p0663	N91-13688
506-48-91-04	09	p1353	N91-17432
506-49-11-01	01	p0018	N91-10106
	15	p2364	N91-23080
	15	p2364	N91-23081
	16	p2566	N91-24229
506-49-21	13	p2040	N91-21223
	13	p2041	N91-21224
	13	p2043	N91-21240
506-49-21-02	02	p0186	N91-11041
	02	p0251	N91-11391
	06	p0839	N91-14634
	09	p1296	N91-17114
	09	p1386	N91-17625
	14	p2224	N91-22302
	17	p2829	N91-25624
	19	p3110	N91-27180
506-49-31-01	03	p0319	N91-11785
	07	p1042	N91-15714
	12	p1852	N91-20177
	19	p3110	N91-27182
506-49-31-03	08	p1239	N91-16832

506-53-31	16	p2608	N91-24452
506-59-4C	10	p1508	N91-18297
	19	p3156	N91-27445
	22	p3668	N91-30426
506-59-41-01	22	p3669	N91-30430
506-62-21	13	p2078	N91-21447
506-80-11-01	10	p1457	N91-18032
509-10-02-03	19	p3100	N91-27128
	20	p3279	N91-28131
	20	p3279	N91-28132
	22	p3612	N91-30090
	23	p3781	N91-31082
	24	p3951	N91-32084
509-10-03	21	p3466	N91-29221
510-01-0A	07	p1013	N91-15565
	09	p1301	N91-17143
	11	p1675	N91-19230
	11	p1676	N91-19236
	11	p1676	N91-19237
	15	p2446	N91-23548
	18	p2943	N91-26233
	24	p4030	N91-32520
510-01-1A	20	p3359	N91-28605
510-01-01	01	p0023	N91-10133
	02	p0192	N91-11074
	03	p0325	N91-11806
	03	p0363	N91-12034
	03	p0379	N91-12117
	06	p0801	N91-14422
	06	p0815	N91-14500
	08	p1106	N91-16075
	11	p1675	N91-19232
	11	p1675	N91-19233
	11	p1689	N91-19308
	13	p2045	N91-21252
	15	p2441	N91-23521
	21	p3471	N91-29250
	22	p3690	N91-30546
510-01-05	17	p2746	N91-25194
510-01-50	05	p0631	N91-13495
	11	p1719	N91-19464
	12	p1864	N91-20241
	13	p2044	N91-21243
	13	p2055	N91-21309
	14	p2241	N91-22402
	14	p2243	N91-22410
	16	p2591	N91-24361
	16	p2648	N91-24660
	17	p2746	N91-25193
	17	p2746	N91-25195
	17	p2790	N91-25438
	17	p2791	N91-25442
	19	p3121	N91-27243
	19	p3122	N91-27247
	19	p3135	N91-27324
	21	p3530	N91-29610
	22	p3694	N91-30566
	23	p3807	N91-31235
	24	p4031	N91-32523
510-02-11	19	p3136	N91-27329
510-02-12-03	14	p2319	N91-22805
510-02-13-01	20	p3319	N91-28373
510-10-01	15	p2393	N91-23247
510-10-50	11	p1674	N91-19229
	17	p2747	N91-25198
	22	p3644	N91-30281
532-06-01-09	01	p0118	N91-10699
532-06-21	11	p1646	N91-19078
	16	p2667	N91-24757
532-06-37	15	p2374	N91-23136
	16	p2588	N91-24343
	18	p2925	N91-26139
	22	p3750	N91-30903
532-09-01	09	p1353	N91-17433
	17	p2787	N91-25422
	22	p3693	N91-30563
532-09-91	11	p1677	N91-19241
533-02-00	05	p0624	N91-13460
	12	p1833	N91-20071
	12	p1835	N91-20085
533-02-01	05	p0623	N91-13453
	11	p1647	N91-19079
	11	p1650	N91-19095
	14	p2188	N91-22083
533-02-11	16	p2549	N91-24128
533-02-21	11	p1650	N91-19099
	17	p2736	N91-25147
533-02-31	21	p3460	N91-29191
533-02-36	24	p3962	N91-32140
533-02-38	22	p3619	N91-30132
533-02-51	11	p1647	N91-19081
	13	p2024	N91-21135
	15	p2373	N91-23133
	18	p2921	N91-26113
	21	p3457	N91-29177
534-06-13-35	21	p3472	N91-29254
535-03-01	11	p1640	N91-19045
	15	p2500	N91-23849
	15	p2500	N91-23850
	15	p2501	N91-23851
	15	p2501	N91-23852
	16	p2546	N91-24107
	20	p3363	N91-28627
535-03-01-01	06	p0771	N91-14274
535-03-10	02	p0267	N91-11494
	07	p1062	N91-15842
	09	p1394	N91-17671
	11	p1721	N91-19475
	17	p2728	N91-25106
	17	p2729	N91-25113
	24	p3949	N91-32075
	24	p3961	N91-32138
535-03-10-01	16	p2548	N91-24118
	16	p2548	N91-24119
	16	p2548	N91-24120
	16	p2548	N91-24121
	16	p2548	N91-24122
535-03-11-02	23	p3924	N91-31923
535-03-11-03	01	p0119	N91-10702
	12	p1975	N91-20863
	23	p3924	N91-31926
	23	p3924	N91-31927
535-03-11-04	16	p2681	N91-24844
535-05-01	06	p0785	N91-14349
	11	p1650	N91-19098
	16	p2561	N91-24204
	16	p2561	N91-24205
	16	p2561	N91-24206
	16	p2562	N91-24207
	16	p2562	N91-24208
535-05-10	05	p0623	N91-13458
	17	p2830	N91-25630
	22	p3621	N91-30142
	24	p3950	N91-32077
536-01-11	02	p0249	N91-11384
537-01-02-01	16	p2559	N91-24195
537-01-11	16	p2561	N91-24203
	23	p3797	N91-31181
537-01-22	21	p3458	N91-29181
537-01-22-01	22	p3619	N91-30136
537-01-31-01	05	p0621	N91-13447
537-02-00	15	p2367	N91-23098
537-02-11	11	p1640	N91-19048
	14	p2195	N91-22126
537-02-20	14	p2253	N91-22464
	15	p2381	N91-23181
	19	p3107	N91-27165
537-02-21	15	p2382	N91-23185
	16	p2561	N91-24202
	18	p2926	N91-26146
	21	p3459	N91-29187
537-02-23	16	p2624	N91-24528
537-03-20	16	p2681	N91-24845
537-03-21	01	p0003	N91-10015
	19	p3240	N91-27916
537-03-21-01	10	p1470	N91-18105
549-03-31-03	05	p0705	N91-13934
	17	p2829	N91-25625
549-03-31-50	18	p3043	N91-26800
549-03-61	15	p2409	N91-23341
	17	p2765	N91-25304
551-15-00	19	p3173	N91-27540
553-13-00	03	p0378	N91-12114
	06	p0873	N91-14829
	07	p1019	N91-15598
	09	p1350	N91-17415
	10	p1535	N91-18452
	11	p1720	N91-19472
	12	p1869	N91-20268
	13	p2100	N91-21558
	13	p2143	N91-21797
	14	p2278	N91-22601
	16	p2581	N91-24307
	16	p2591	N91-24360
	17	p2790	N91-25436
	19	p3235	N91-27886
	19	p3237	N91-27901
	20	p3362	N91-28622
	24	p4031	N91-32524
573-01-21-04	24	p4032	N91-32528
582-01-11	03	p0399	N91-12215
	06	p0812	N91-14482
	11	p1675	N91-19235
	11	p1780	N91-19766
	15	p2409	N91-23340
	16	p2613	N91-24469
582-01-21	01	p0020	N91-10117
	16	p2567	N91-24230
	16	p2568	N91-24231
	23	p3803	N91-31208
582-01-41	17	p2840	N91-25696
	23	p3804	N91-31219
583-01-11-02	01	p0042	N91-10245
585-01-41-01	07	p0963	N91-15299
585-01-91-01	16	p2565	N91-24222
586-01-11	16	p2628	N91-24553
590-11-22-01	23	p3917	N91-31879
590-12-11	11	p1781	N91-19770
590-12-31-02-50	01	p0034	N91-10204
590-13-11	04	p0537	N91-12980
	06	p0800	N91-14414
	06	p0807	N91-14454
	08	p1115	N91-16128
	11	p1653	N91-19112
	11	p1666	N91-19179
	15	p2391	N91-23234
	16	p2568	N91-24232
	17	p2743	N91-25182
	17	p2806	N91-25510
	18	p3005	N91-26592
	18	p3055	N91-26870
	19	p3114	N91-27208
	19	p3156	N91-27446
	19	p3185	N91-27611
	21	p3485	N91-29332
	21	p3516	N91-29524
	22	p3669	N91-30427
	24	p4039	N91-32569
590-13-31	24	p4008	N91-32410
	24	p4008	N91-32412
590-13-41	17	p2779	N91-25381
590-13-51	11	p1702	N91-19376
590-14-11-02	13	p2034	N91-21186
	13	p2035	N91-21188
	13	p2037	N91-21203
	23	p3874	N91-31609
590-14-21-01	13	p2103	N91-21573
	13	p2103	N91-21574
	13	p2103	N91-21575
	17	p2790	N91-25437
590-14-31-01	12	p1911	N91-20505
	13	p2104	N91-21579
	19	p3179	N91-27578
590-14-31-02	17	p2787	N91-25421
590-14-41-01	14	p2225	N91-22305
590-14-41-02	08	p1103	N91-16057
590-14-51-01	17	p2741	N91-25168
590-14-61-01	10	p1536	N91-18455
	10	p1536	N91-18456
	11	p1720	N91-19471
	11	p1721	N91-19474
	13	p2102	N91-21572
	13	p2104	N91-21578
590-21-11	02	p0216	N91-11205
	11	p1687	N91-19295
590-21-21	13	p2042	N91-21233
	16	p2581	N91-24305
590-21-31	11	p1722	N91-19479
590-21-41	12	p1906	N91-20489
	16	p2588	N91-24341
	16	p2672	N91-24787
	23	p3803	N91-31209
	24	p3967	N91-32163
590-31-31-02	19	p3171	N91-27530
590-32-31-01	07	p1000	N91-15490
	09	p1325	N91-17277
	12	p1890	N91-20395
	13	p2076	N91-21435
	14	p2280	N91-22609
591-14-11	17	p2744	N91-25183
	20	p3302	N91-28277
591-14-41	12	p1858	N91-20204
591-23-00	19	p3144	N91-27375
591-41-11	07	p0966	N91-15307
	11	p1665	N91-19174
591-41-21	01	p0042	N91-10249
	02	p0189	N91-11059
	07	p0965	N91-15301
	12	p1828	N91-20045
	18	p2984	N91-26479
591-42-00	15	p2386	N91-23207
592-01-11	11	p1688	N91-19304
	17	p2832	N91-25647
593-12-21	16	p2580	N91-24302
593-12-41	13	p2043	N91-21234
	19	p3114	N91-27205
593-14-11	19	p3185	N91-27613
593-21-00	17	p2739	N91-25159
593-21-21	24	p3968	N91-32166
593-31-1A	20	p3448	N91-29138
593-71-00	17	p2743	N91-25179
594-81-12-11	16	p2565	N91-24220
643-10-01	24	p3983	N91-32247
643-10-03-04	03	p0350	N91-11954
643-10-05	09	p1323	N91-17266
	23	p3856	N91-31499
644-11-00-05-81	01	p0038	N91-10222
650-60-20	11	p1698	N91-19349

	11	p1698	N91-19350
	12	p1890	N91-20393
	12	p1890	N91-20394
	13	p2034	N91-21185
	15	p2412	N91-23354
	19	p3154	N91-27436
	19	p3154	N91-27437
	22	p3667	N91-30418
650-60-21	02	p0203	N91-11134
	21	p3497	N91-29404
	21	p3497	N91-29405
656-61-12-01	08	p1189	N91-16535
656-63-00	18	p3077	N91-27009
665-10-40-04	10	p1546	N91-18505
665-10-70	08	p1189	N91-16536
665-45-30-01	16	p2660	N91-24719
	19	p3203	N91-27702
672-22-10-70	01	p0074	N91-10448
672-40-05-70	06	p0848	N91-14683
673-53-01-70	17	p2815	N91-25557
	17	p2815	N91-25558
674-21-05	11	p1692	N91-19320
674-22-05	03	p0348	N91-11944
674-23-08-17	15	p2538	N91-24057
674-24-05	06	p0824	N91-14556
674-29-05	16	p2613	N91-24464
676-00-00	19	p3201	N91-27696
676-59-44	15	p2390	N91-23229
679-40-00	11	p1697	N91-19348
	14	p2258	N91-22494
	15	p2368	N91-23102
694-03-0A	11	p1702	N91-19371
694-03-00	22	p3680	N91-30491
694-03-03	06	p0828	N91-14574
	11	p1693	N91-19324
	14	p2279	N91-22604
694-03-06	11	p1693	N91-19325
763-01-31-22	17	p2727	N91-25103
763-01-31-24	09	p1271	N91-16990
763-01-31-26	07	p1005	N91-15521
763-01-41	03	p0316	N91-11770
	13	p2101	N91-21562
	15	p2446	N91-23549
763-01-51-05	04	p0487	N91-12705
763-01-61	01	p0009	N91-10049
763-21-41	22	p3689	N91-30538
763-22-21	20	p3331	N91-28449
763-23-41	19	p3101	N91-27133
763-23-41-71	19	p3100	N91-27127
776-33-41	01	p0022	N91-10127
	08	p1213	N91-16679
	13	p2112	N91-21625
776-81-63	22	p3770	N91-31023
778-32-11	10	p1533	N91-18443
778-34-22	07	p0969	N91-15318
	13	p2054	N91-21302
778-35-13	05	p0684	N91-13804
871-00-00-04	15	p2506	N91-23887
906-11-01-01	10	p1473	N91-18116
906-70-16-02	01	p0016	N91-10098
946-01-00-78	17	p2738	N91-25158
	24	p3965	N91-32155
992-21-01	05	p0677	N91-13762
992-35-15-06	21	p3583	N91-29935

Typical Report Number Index Listing



Listings in this index are arranged alphanumerically by report number. The issue and page number identify the *STAR* issue in which the document was announced and the page number on which the citation appears. The accession number denotes the number by which the citation is identified on that page. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

A-85126 ..... 18 p2926 N91-26142* #
A-86374-PT-3 ..... 01 p0002 N91-10007* #
A-88007 ..... 11 p1791 N91-19824* #
A-88081 ..... 13 p2082 N91-21470* #
A-88203 ..... 11 p1647 N91-19082* #
A-88279-PT-1 ..... 01 p0009 N91-10049* #
A-88316 ..... 01 p0008 N91-10045* #
A-89038 ..... 13 p2147 N91-21828* #
A-89050 ..... 06 p0886 N91-14897* #
A-89105 ..... 16 p2665 N91-24744* #
A-89159 ..... 07 p1057 N91-15805* #
A-89160-VOL-1 ..... 02 p0143 N91-10839* #
A-89160-VOL-2 ..... 02 p0149 N91-10888* #
A-89194 ..... 11 p1643 N91-19062* #
A-89197 ..... 01 p0003 N91-10014* #
A-89232 ..... 14 p2301 N91-22716* #
A-89252 ..... 07 p1002 N91-15499* #
A-89265 ..... 11 p1790 N91-19823* #
A-89266 ..... 11 p1642 N91-19058* #
A-89269 ..... 08 p1093 N91-16001* #
A-90003 ..... 05 p0694 N91-13862* #
A-90014 ..... 05 p0677 N91-13762* #
A-90020 ..... 02 p0249 N91-11384* #
A-90030 ..... 11 p1826 N91-20039* #
A-90037 ..... 11 p1639 N91-19041* #
A-90053 ..... 05 p0732 N91-14087* #
A-90059 ..... 23 p3901 N91-31775* #
A-90069 ..... 06 p0771 N91-14273* #
A-90075 ..... 05 p0734 N91-14100* #
A-90082 ..... 01 p0045 N91-10268* #
A-90083 ..... 23 p3781 N91-31078* #
A-90084 ..... 17 p2774 N91-25352* #
A-90091 ..... 11 p1641 N91-19050* #
A-90094 ..... 12 p1831 N91-20062* #
A-90117 ..... 01 p0003 N91-10013* #
A-90123 ..... 05 p0625 N91-13486* #
A-90124 ..... 06 p0779 N91-14322* #
A-90136 ..... 19 p3214 N91-27764* #
A-90137 ..... 14 p2189 N91-22091* #
A-90142 ..... 14 p2187 N91-22077* #
A-90143 ..... 12 p1894 N91-20418* #
A-90144 ..... 16 p2546 N91-24108* #
A-90146 ..... 24 p3948 N91-32070* #
A-90162 ..... 04 p0553 N91-13066* #
A-90172 ..... 05 p0658 N91-13652* #
A-90178 ..... 13 p2024 N91-21131* #
A-90182 ..... 16 p2667 N91-24757* #
A-90183 ..... 19 p3103 N91-27144* #
A-90184 ..... 15 p2367 N91-23099* #
A-90194 ..... 10 p1463 N91-18066* #
A-90197 ..... 11 p1771 N91-19714* #
A-90202 ..... 09 p1274 N91-17001* #
A-90207 ..... 05 p0658 N91-13653* #
A-90231 ..... 01 p0043 N91-10252* #
A-90240 ..... 02 p0256 N91-11425* #
A-90246 ..... 01 p0003 N91-10015* #
A-90247 ..... 16 p2562 N91-24209* #
A-90250 ..... 15 p2386 N91-23207* #
A-90252 ..... 11 p1641 N91-19052* #
A-90256 ..... 02 p0161 N91-10933* #
A-90258 ..... 05 p0614 N91-13408* #
A-90262 ..... 08 p1165 N91-16414* #
A-90263 ..... 17 p2727 N91-25102* #
A-90266 ..... 24 p3948 N91-32071* #
A-90268-VOL-1 ..... 11 p1740 N91-19566* #
A-90269 ..... 13 p2147 N91-21829* #
A-90272 ..... 07 p0989 N91-15426* #
A-90274 ..... 07 p0936 N91-15128* #
A-90279 ..... 22 p3770 N91-31024* #
A-90283 ..... 11 p1643 N91-19060* #
A-90284 ..... 07 p0935 N91-15124* #
A-90286 ..... 12 p1846 N91-20147* #
A-90287 ..... 09 p1286 N91-17071* #
A-90293 ..... 24 p4032 N91-32528* #
A-90301 ..... 07 p0939 N91-15147* #
A-90303 ..... 01 p0008 N91-10048* #
A-90304 ..... 06 p0777 N91-14311* #
A-90307 ..... 11 p1646 N91-19078* #
A-90308 ..... 07 p1038 N91-15692* #
A-90316 ..... 20 p3279 N91-28134* #
A-90320 ..... 07 p1038 N91-15691* #
A-91003 ..... 13 p2082 N91-21471* #
A-91008 ..... 06 p0822 N91-14540* #
A-91014 ..... 11 p1677 N91-19241* #
A-91015 ..... 11 p1781 N91-19770* #
A-91016 ..... 09 p1294 N91-17112* #
A-91019 ..... 06 p0912 N91-15040* #
A-91020 ..... 24 p3963 N91-32145* #
A-91022 ..... 07 p0938 N91-15139* #
A-91024 ..... 06 p0856 N91-14727* #
A-91029 ..... 08 p1095 N91-16012* #
A-91030 ..... 22 p3610 N91-30080* #
A-91039 ..... 09 p1275 N91-17009* #
A-91058 ..... 13 p2024 N91-21134* #
A-91061 ..... 22 p3719 N91-30697* #
A-91062 ..... 11 p1688 N91-19304* #
A-91063 ..... 11 p1791 N91-19826* #
A-91066 ..... 11 p1781 N91-19771* #
A-91076 ..... 24 p4121 N91-33033* #
A-91077 ..... 18 p3042 N91-26796* #
A-91088 ..... 13 p2184 N91-22066* #
A-91093 ..... 17 p2765 N91-25304* #
A-91093-VOL-1 ..... 15 p2409 N91-23341* #
A-91095 ..... 17 p2824 N91-25601* #
A-91096 ..... 15 p2474 N91-23704* #
A-91100 ..... 17 p2832 N91-25647* #
A-91105 ..... 19 p3216 N91-27773* #
A-91123 ..... 18 p2982 N91-26465* #
A-91130 ..... 18 p3085 N91-27057* #
A-91135 ..... 16 p2673 N91-24793* #
A-91140 ..... 17 p2735 N91-25142* #
A-91145 ..... 17 p2838 N91-25687* #
A-91157 ..... 24 p3960 N91-32134* #
A-91158 ..... 16 p2559 N91-24198* #
A-91159 ..... 18 p2925 N91-26139* #
A-91187 ..... 19 p3169 N91-27524* #
A-91192 ..... 24 p3961 N91-32135* #
A-91215 ..... 20 p3285 N91-28168* #

AA-1 ..... 10 p1545 N91-18501 #
AA-2 ..... 22 p3703 N91-30611 #
AA-246 ..... 06 p0789 N91-14365* #
AA-249 ..... 06 p0789 N91-14366* #
AA-250 ..... 06 p0790 N91-14367* #
AA-251 ..... 06 p0790 N91-14368* #

AAAF-NT-89-01 ..... 23 p3783 N91-31097 #
AAAF-NT-89-02 ..... 23 p3790 N91-31137 #
AAAF-NT-89-03 ..... 23 p3784 N91-31098 #
AAAF-NT-89-04 ..... 23 p3784 N91-31099 #
AAAF-NT-89-05 ..... 23 p3784 N91-31100 #
AAAF-NT-89-06 ..... 23 p3878 N91-31637 #
AAAF-NT-89-07 ..... 23 p3784 N91-31101 #
AAAF-NT-89-08 ..... 23 p3784 N91-31102 #
AAAF-NT-89-09 ..... 23 p3785 N91-31103 #
AAAF-NT-89-10 ..... 23 p3870 N91-31587 #
AAAF-NT-89-11 ..... 23 p3798 N91-31187 #
AAAF-NT-89-13 ..... 23 p3785 N91-31104 #

AAAF-NT-89-14 ..... 23 p3785 N91-31105 #
AAAF-NT-89-15 ..... 23 p3870 N91-31588 #
AAAF-NT-89-16 ..... 23 p3798 N91-31188 #
AAAF-NT-89-17 ..... 23 p3870 N91-31589 #
AAAF-NT-89-18 ..... 23 p3870 N91-31590 #
AAAF-NT-89-19 ..... 23 p3913 N91-31847 #
AAAF-NT-89-20 ..... 24 p3949 N91-32073 #
AAAF-NT-89-21 ..... 23 p3913 N91-31848 #
AAAF-NT-89-22 ..... 23 p3913 N91-31849 #
AAAF-NT-89-23 ..... 23 p3913 N91-31850 #
AAAF-NT-89-24 ..... 23 p3870 N91-31591 #
AAAF-NT-89-25 ..... 23 p3871 N91-31592 #
AAAF-NT-89-26 ..... 23 p3871 N91-31593 #
AAAF-NT-89-27 ..... 23 p3913 N91-31851 #

AAC-TN-1157 ..... 07 p0963 N91-15300* #
AAC-TN-1161 ..... 14 p2234 N91-22359* #

AAE-87-1 ..... 06 p0827 N91-14569 #
AAE-90-7 ..... 09 p1392 N91-17662 #
AAE-241-VOL-1 ..... 08 p1101 N91-16045* #
AAE-241-VOL-2 ..... 08 p1102 N91-16050* #

AAMRL-SR-90-507 ..... 14 p2256 N91-22477 #
AAMRL-SR-90-508 ..... 16 p2664 N91-24738 #
AAMRL-SR-90-509 ..... 14 p2271 N91-22563 #
AAMRL-SR-90-510 ..... 15 p2478 N91-23723 #

AAMRL-TR-90-015 ..... 14 p2305 N91-22734 #
AAMRL-TR-90-019 ..... 08 p1218 N91-16708 #
AAMRL-TR-90-023 ..... 18 p3036 N91-26756 #
AAMRL-TR-90-024 ..... 12 p1852 N91-20178 #
AAMRL-TR-90-025 ..... 12 p1975 N91-20864 #
AAMRL-TR-90-026 ..... 18 p2975 N91-26427 #
AAMRL-TR-90-028 ..... 09 p1277 N91-17019 #
AAMRL-TR-90-030 ..... 13 p2128 N91-21716 #
AAMRL-TR-90-031 ..... 13 p2129 N91-21718 #
AAMRL-TR-90-039-PHASE-1 ..... 15 p2400 N91-23289 #
AAMRL-TR-90-042 ..... 12 p1931 N91-20626 #
AAMRL-TR-90-044 ..... 12 p1933 N91-20639 #
AAMRL-TR-90-055 ..... 19 p3234 N91-27884 #
AAMRL-TR-90-056 ..... 12 p1928 N91-20610 #
AAMRL-TR-90-060 ..... 18 p3034 N91-26748 #

AAMU-NAG-90-2 ..... 07 p1085 N91-15968* #
AAMU-NAG-91-3 ..... 22 p3775 N91-31057* #
AAMU-NAG-003 ..... 14 p2247 N91-22432* #

AAR-247 ..... 08 p1095 N91-16013* #
AAR-248-PT-2 ..... 08 p1095 N91-16011* #
AAR-252 ..... 08 p1095 N91-16010* #

AAS-91-076 ..... 19 p3112 N91-27195 #
AAS-91-445 ..... 24 p3966 N91-32157 #

AC-70/7460-1H ..... 19 p3103 N91-27142 #

ACD-20 ..... 14 p2190 N91-22096* #

ACEE-30-FR-3610 ..... 21 p3472 N91-29254* #

ACT-114 ..... 08 p1204 N91-16623 #

ACTA-POLYTEC-SCAND-MA-58 ..... 22 p3768 N91-31008 #

ACTA-POLYTEC-SCAND-ME-96 ..... 11 p1705 N91-19392 #
ACTA-POLYTEC-SCAND-ME-97 ..... 11 p1717 N91-19454 #

ACTA-POLYTEC-SCAND-PH-172 ..... 14 p2297 N91-22701 #

AD-A-236501 ..... 15 p2425 N91-23434* #

AD-A207606 ..... 01 p0001 N91-10004 #
AD-A208099 ..... 01 p0001 N91-10005 #
AD-A210022 ..... 07 p1049 N91-15756 #
AD-A210128 ..... 21 p3452 N91-29148 #
AD-A210233 ..... 01 p0050 N91-10300 #
AD-A211364 ..... 01 p0039 N91-10230 #
AD-A211566 ..... 01 p0044 N91-10264 #
AD-A211768 ..... 22 p3695 N91-30569 #
AD-A222816 ..... 05 p0626 N91-13469 #
AD-A223277 ..... 01 p0021 N91-10124 #
AD-A223315 ..... 02 p0203 N91-11135 #
AD-A223355 ..... 05 p0768 N91-14266 #
AD-A223518 ..... 02 p0242 N91-11346 #
AD-A223520 ..... 02 p0242 N91-11347 #
AD-A223568 ..... 02 p0167 N91-10967 #
AD-A223733 ..... 04 p0482 N91-12682 #
AD-A223848 ..... 02 p0276 N91-11552 #
AD-A223856 ..... 02 p0250 N91-11385 #
AD-A223858 ..... 02 p0251 N91-11394 #
AD-A223901 ..... 07 p1037 N91-15689 #
AD-A223902 ..... 02 p0250 N91-11386 #
AD-A223934 ..... 02 p0201 N91-11126 #
AD-A224034 ..... 02 p0264 N91-11480 #
AD-A224057 ..... 02 p0264 N91-11481 #

AD-A224060 ..... 02 p0264 N91-11482 #
AD-A224165 ..... 02 p0266 N91-11489 #
AD-A224254 ..... 02 p0227 N91-11268 #
AD-A224338 ..... 05 p0622 N91-13451 #
AD-A224388 ..... 02 p0252 N91-11395 #
AD-A224465 ..... 02 p0208 N91-11164 #
AD-A224580 ..... 04 p0517 N91-12877 #
AD-A224581 ..... 03 p0317 N91-11777 #
AD-A224584 ..... 03 p0390 N91-12171 #
AD-A224585 ..... 03 p0373 N91-12091 #
AD-A224586 ..... 03 p0394 N91-12188 #
AD-A224587 ..... 04 p0478 N91-12665 #
AD-A224593 ..... 03 p0318 N91-11779 #
AD-A224594 ..... 03 p0346 N91-11937 #
AD-A224595 ..... 03 p0412 N91-12306 #
AD-A224611 ..... 04 p0580 N91-13232 #
AD-A224614 ..... 03 p0320 N91-11789 #
AD-A224619 ..... 03 p0421 N91-12357 #
AD-A224642 ..... 03 p0394 N91-12189 #
AD-A224644 ..... 03 p0400 N91-12223 #
AD-A224646 ..... 03 p0299 N91-11666 #
AD-A224656 ..... 03 p0346 N91-11938 #
AD-A224658 ..... 03 p0416 N91-12324 #
AD-A224661 ..... 03 p0422 N91-12358 #
AD-A224667 ..... 08 p1192 N91-16552 #
AD-A224669 ..... 03 p0337 N91-11886 #
AD-A224677 ..... 03 p0318 N91-11778 #
AD-A224678 ..... 03 p0400 N91-12224 #
AD-A224680 ..... 04 p0551 N91-13054 #
AD-A224681 ..... 03 p0369 N91-12066 #
AD-A224683 ..... 03 p0320 N91-11790 #
AD-A224684 ..... 03 p0364 N91-12040 #
AD-A224686 ..... 04 p0517 N91-12878 #
AD-A224687 ..... 03 p0394 N91-12190 #
AD-A224692 ..... 03 p0337 N91-11887 #
AD-A224695 ..... 03 p0396 N91-12200 #
AD-A224696 ..... 03 p0396 N91-12201 #
AD-A224697 ..... 03 p0412 N91-12307 #
AD-A224698 ..... 03 p0413 N91-12308 #
AD-A224700 ..... 03 p0400 N91-12225 #
AD-A224702 ..... 03 p0420 N91-12348 #
AD-A224707 ..... 03 p0320 N91-11791 #
AD-A224728 ..... 03 p0420 N91-12349 #
AD-A224730 ..... 03 p0344 N91-11924 #
AD-A224734 ..... 03 p0422 N91-12359 #
AD-A224735 ..... 03 p0374 N91-12097 #
AD-A224737 ..... 03 p0349 N91-11947 #
AD-A224738 ..... 03 p0414 N91-12318 #
AD-A224739 ..... 03 p0386 N91-12153 #
AD-A224740 ..... 05 p0709 N91-13951 #
AD-A224749 ..... 03 p0410 N91-12290 #
AD-A224750 ..... 03 p0359 N91-12008 #
AD-A224752 ..... 03 p0413 N91-12309 #
AD-A224756 ..... 03 p0400 N91-12226 #
AD-A224757 ..... 09 p1372 N91-17542 #
AD-A224762 ..... 03 p0422 N91-12360 #
AD-A224763 ..... 03 p0422 N91-12361 #
AD-A224800 ..... 03 p0427 N91-12393 #
AD-A224801 ..... 03 p0344 N91-11925 #
AD-A224804 ..... 04 p0474 N91-12648 #
AD-A224809 ..... 03 p0401 N91-12227 #
AD-A224810 ..... 03 p0409 N91-12283 #
AD-A224814 ..... 03 p0310 N91-11739 #
AD-A224819 ..... 03 p0356 N91-11989 #
AD-A224822 ..... 03 p0393 N91-12185 #
AD-A224843 ..... 03 p0418 N91-12337 #
AD-A224845 ..... 03 p0409 N91-12284 #
AD-A224846 ..... 03 p0337 N91-11888 #
AD-A224847 ..... 03 p0422 N91-12362 #
AD-A224848 ..... 03 p0347 N91-11939 #
AD-A224851 ..... 03 p0369 N91-12067 #
AD-A224857 ..... 03 p0384 N91-12143 #
AD-A224860 ..... 03 p0413 N91-12310 #
AD-A224865 ..... 03 p0321 N91-11792 #
AD-A224866 ..... 03 p0356 N91-11990 #
AD-A224867 ..... 03 p0385 N91-12144 #
AD-A224868 ..... 04 p0510 N91-12831 #
AD-A224877 ..... 03 p0337 N91-11889 #
AD-A224878 ..... 04 p0470 N91-12634 #
AD-A224879 ..... 03 p0394 N91-12191 #
AD-A224883 ..... 03 p0369 N91-12068 #
AD-A224885 ..... 03 p0335 N91-11878 #
AD-A224888 ..... 03 p0426 N91-12386 #
AD-A224893 ..... 03 p0347 N91-11940 #
AD-A224903 ..... 03 p0394 N91-12192 #
AD-A224906 ..... 03 p0410 N91-12291 #
AD-A224909 ..... 03 p0416 N91-12325 #
AD-A224911 ..... 03 p0356 N91-11991 #
AD-A224913 ..... 03 p0420 N91-12350* #
AD-A224916 ..... 03 p0395 N91-12193 #
AD-A224917 ..... 03 p0410 N91-12292 #
AD-A224918 ..... 03 p0347 N91-11941 #
AD-A224921 ..... 03 p0301 N91-11677 #
AD-A224924 ..... 09 p1373 N91-17547 #
AD-A224925 ..... 09 p1331 N91-17312 #
AD-A224927 ..... 13 p2047 N91-21261 #

AD-A224930 03 p0349 N91-11948 #
AD-A224931 03 p0381 N91-12124 #
AD-A224935 03 p0397 N91-12206 #
AD-A224938 13 p2042 N91-21229 #
AD-A224940 03 p0337 N91-11890 #
AD-A224946 03 p0344 N91-11926 #
AD-A224947 03 p0337 N91-11891 #
AD-A224948 03 p0338 N91-11892 #
AD-A224949 04 p0500 N91-12776 #
AD-A224950 03 p0413 N91-12312 #
AD-A224956 09 p1357 N91-17458 #
AD-A224971 03 p0341 N91-11913 #
AD-A224978 03 p0317 N91-11772 #
AD-A224979 03 p0317 N91-11773 #
AD-A224985 04 p0497 N91-12758 #
AD-A224986 03 p0395 N91-12194 #
AD-A224987 04 p0551 N91-13055 #
AD-A224988 04 p0551 N91-13056 #
AD-A224989 04 p0551 N91-13057 #
AD-A224990 04 p0551 N91-13058 #
AD-A224992 04 p0513 N91-12854 #
AD-A224995 04 p0582 N91-13248 #
AD-A224996 04 p0513 N91-12848 #
AD-A224997 04 p0580 N91-13233 #
AD-A224999 04 p0510 N91-12832 #
AD-A225000 04 p0535 N91-12969 #
AD-A225009 04 p0495 N91-12750 #
AD-A225014 04 p0578 N91-13215 #
AD-A225016 04 p0510 N91-12833 #
AD-A225020 04 p0506 N91-12808 #
AD-A225021 03 p0395 N91-12195 #
AD-A225029 03 p0381 N91-12125 #
AD-A225030 03 p0374 N91-12092 #
AD-A225031 03 p0414 N91-12314 #
AD-A225032 03 p0422 N91-12363 #
AD-A225034 03 p0423 N91-12364 #
AD-A225035 03 p0359 N91-12009 #
AD-A225036 03 p0338 N91-11893 #
AD-A225037 03 p0359 N91-12010 #
AD-A225038 03 p0338 N91-11894 #
AD-A225041 03 p0317 N91-11774 #
AD-A225042 03 p0381 N91-12126 #
AD-A225045 03 p0390 N91-12172 #
AD-A225048 03 p0365 N91-12041 #
AD-A225049 03 p0359 N91-12011 #
AD-A225050 03 p0423 N91-12365 #
AD-A225051 03 p0423 N91-12366 #
AD-A225052 03 p0423 N91-12367 #
AD-A225054 03 p0415 N91-12319 #
AD-A225056 03 p0381 N91-12127 #
AD-A225058 03 p0301 N91-11678 #
AD-A225068 03 p0365 N91-12042 #
AD-A225072 03 p0418 N91-12338 #
AD-A225075 03 p0397 N91-12207 #
AD-A225086 03 p0423 N91-12368 #
AD-A225087 03 p0423 N91-12369 #
AD-A225090 03 p0423 N91-12370 #
AD-A225091 03 p0418 N91-12339 #
AD-A225094 03 p0395 N91-12196 #
AD-A225098 03 p0416 N91-12326 #
AD-A225102 03 p0301 N91-11679 #
AD-A225104 04 p0546 N91-13029 #
AD-A225105 03 p0390 N91-12173 #
AD-A225109 03 p0395 N91-12197 #
AD-A225122 03 p0397 N91-12208 #
AD-A225123 04 p0474 N91-12649 #
AD-A225124 05 p0618 N91-13429 #
AD-A225125 05 p0618 N91-13430 #
AD-A225126 04 p0474 N91-12650 #
AD-A225127 04 p0475 N91-12651 #
AD-A225132 03 p0427 N91-12394 #
AD-A225139 03 p0359 N91-12012 #
AD-A225143 03 p0356 N91-11992 #
AD-A225145 03 p0381 N91-12128 #
AD-A225155 03 p0401 N91-12228 #
AD-A225158 03 p0335 N91-11879 #
AD-A225159 04 p0587 N91-13275 #
AD-A225167 03 p0365 N91-12043 #
AD-A225168 03 p0392 N91-12181 #
AD-A225180 03 p0423 N91-12371 #
AD-A225189 04 p0560 N91-13108* #
AD-A225190 03 p0415 N91-12320 #
AD-A225203 03 p0344 N91-11927 #
AD-A225208 03 p0426 N91-12387 #
AD-A225211 03 p0382 N91-12132 #
AD-A225214 03 p0406 N91-12262 #
AD-A225217 03 p0335 N91-11880 #
AD-A225219 03 p0409 N91-12285 #
AD-A225225 03 p0310 N91-11738 #
AD-A225226 03 p0317 N91-11775 #
AD-A225227 03 p0311 N91-11743 #
AD-A225233 03 p0395 N91-12198 #
AD-A225237 03 p0339 N91-11899 #
AD-A225238 03 p0317 N91-11776 #
AD-A225242 03 p0344 N91-11929 #
AD-A225243 03 p0335 N91-11881 #
AD-A225248 03 p0420 N91-12351 #
AD-A225251 03 p0417 N91-12332 #
AD-A225257 03 p0345 N91-11930 #
AD-A225260 03 p0424 N91-12377 #
AD-A225261 03 p0360 N91-12016 #
AD-A225262 03 p0357 N91-11996 #
AD-A225263 03 p0406 N91-12263 #
AD-A225264 04 p0461 N91-12579 #
AD-A225265 02 p0172 N91-10981 #
AD-A225266 02 p0169 N91-10978 #
AD-A225268 03 p0335 N91-11882 #
AD-A225269 03 p0388 N91-12161 #
AD-A225274 03 p0408 N91-12280 #
AD-A225299 03 p0417 N91-12334 #
AD-A225302 03 p0406 N91-12264 #
AD-A225303 03 p0360 N91-12017 #
AD-A225304 03 p0396 N91-12202 #
AD-A225305 03 p0345 N91-11931 #
AD-A225306 03 p0345 N91-11932 #
AD-A225307 03 p0387 N91-12155 #
AD-A225308 04 p0495 N91-12751 #
AD-A225309 03 p0360 N91-12018 #
AD-A225310 03 p0428 N91-12395 #
AD-A225311 03 p0349 N91-11950 #
AD-A225312 03 p0360 N91-12019 #
AD-A225313 03 p0339 N91-11900 #
AD-A225315 04 p0500 N91-12777 #
AD-A225316 03 p0366 N91-12051 #
AD-A225321 03 p0388 N91-12162 #
AD-A225323 03 p0357 N91-11997 #
AD-A225327 03 p0301 N91-11681 #
AD-A225328 03 p0418 N91-12342 #
AD-A225329 03 p0360 N91-12020 #
AD-A225330 03 p0324 N91-11803 #
AD-A225332 03 p0406 N91-12265 #
AD-A225334 03 p0357 N91-11998 #
AD-A225340 03 p0345 N91-11933 #
AD-A225342 04 p0481 N91-12681 #
AD-A225344 03 p0360 N91-12021 #
AD-A225345 03 p0324 N91-11804 #
AD-A225355 04 p0518 N91-12880 #
AD-A225357 04 p0553 N91-13067 #
AD-A225358 03 p0388 N91-12163 #
AD-A225362 03 p0428 N91-12396 #
AD-A225363 03 p0345 N91-11934 #
AD-A225365 03 p0409 N91-12286 #
AD-A225366 03 p0357 N91-11999 #
AD-A225367 03 p0357 N91-12000 #
AD-A225368 03 p0358 N91-12001 #
AD-A225369 03 p0428 N91-12397 #
AD-A225370 03 p0358 N91-12002 #
AD-A225372 03 p0314 N91-11756 #
AD-A225375 03 p0366 N91-12052 #
AD-A225377 04 p0572 N91-13176 #
AD-A225381 03 p0425 N91-12378 #
AD-A225383 03 p0339 N91-11901 #
AD-A225385 04 p0605 N91-13367 #
AD-A225386 03 p0374 N91-12094 #
AD-A225387 03 p0406 N91-12266 #
AD-A225388 03 p0358 N91-12003 #
AD-A225392 05 p0623 N91-13454 #
AD-A225393 03 p0371 N91-12079 #
AD-A225394 03 p0425 N91-12379 #
AD-A225395 03 p0425 N91-12380 #
AD-A225398 03 p0342 N91-11916 #
AD-A225399 04 p0561 N91-13109 #
AD-A225400 03 p0312 N91-11748 #
AD-A225403 04 p0470 N91-12636 #
AD-A225404 03 p0406 N91-12267 #
AD-A225408 05 p0706 N91-13938 #
AD-A225409 03 p0382 N91-12133 #
AD-A225411 04 p0528 N91-12928 #
AD-A225415 03 p0347 N91-11942 #
AD-A225428 03 p0419 N91-12343 #
AD-A225433 04 p0518 N91-12881 #
AD-A225435 04 p0561 N91-13110 #
AD-A225444 03 p0324 N91-11805 #
AD-A225447 03 p0429 N91-12400 #
AD-A225448 04 p0522 N91-12903 #
AD-A225459 03 p0361 N91-12022 #
AD-A225473 04 p0547 N91-13032 #
AD-A225475 04 p0506 N91-12811 #
AD-A225476 04 p0506 N91-12812 #
AD-A225495 04 p0518 N91-12882 #
AD-A225499 04 p0500 N91-12778 #
AD-A225500 04 p0576 N91-13204 #
AD-A225503 07 p0986 N91-15414 #
AD-A225506 04 p0518 N91-12883 #
AD-A225507 04 p0475 N91-12652 #
AD-A225508 04 p0518 N91-12884 #
AD-A225509 04 p0605 N91-13368 #
AD-A225513 04 p0561 N91-13111 #
AD-A225515 03 p0396 N91-12203 #
AD-A225516 03 p0345 N91-11935 #
AD-A225517 04 p0500 N91-12779 #
AD-A225521 04 p0514 N91-12856 #

AD-A225522 ..... 04 p0611 N91-13396 #
AD-A225523 ..... 04 p0514 N91-12857 #
AD-A225529 ..... 03 p0392 N91-12183 #
AD-A225531 ..... 03 p0407 N91-12268 #
AD-A225540 ..... 03 p0407 N91-12269 #
AD-A225541 ..... 03 p0314 N91-11757 #
AD-A225548 ..... 09 p1298 N91-17125 #
AD-A225553 ..... 03 p0413 N91-12313 #
AD-A225560 ..... 03 p0366 N91-12053 #
AD-A225561 ..... 07 p0997 N91-15476 #
AD-A225571 ..... 03 p0393 N91-12186 #
AD-A225578 ..... 04 p0569 N91-13159 #
AD-A225581 ..... 03 p0347 N91-11943 #
AD-A225583 ..... 04 p0536 N91-12972 #
AD-A225586 ..... 03 p0358 N91-12004 #
AD-A225589 ..... 07 p0988 N91-15422 #
AD-A225612 ..... 04 p0569 N91-13160 #
AD-A225617 ..... 07 p1054 N91-15790 #
AD-A225621 ..... 04 p0570 N91-13161 #
AD-A225625 ..... 04 p0510 N91-12834 #
AD-A225626 ..... 04 p0510 N91-12835 #
AD-A225641 ..... 05 p0715 N91-13992 #
AD-A225642 ..... 04 p0475 N91-12653 #
AD-A225644 ..... 07 p1054 N91-15791 #
AD-A225645 ..... 07 p1054 N91-15792 #
AD-A225646 ..... 03 p0397 N91-12204 #
AD-A225653 ..... 04 p0490 N91-12723 #
AD-A225654 ..... 03 p0345 N91-11936 #
AD-A225656 ..... 04 p0494 N91-12745 #
AD-A225658 ..... 03 p0367 N91-12054 #
AD-A225659 ..... 03 p0367 N91-12055 #
AD-A225660 ..... 04 p0539 N91-12991 #
AD-A225662 ..... 03 p0314 N91-11758 #
AD-A225663 ..... 04 p0463 N91-12587 #
AD-A225667 ..... 04 p0561 N91-13112 #
AD-A225674 ..... 04 p0587 N91-13276 #
AD-A225678 ..... 04 p0585 N91-13263 #
AD-A225697 ..... 04 p0572 N91-13177 #
AD-A225698 ..... 04 p0561 N91-13113 #
AD-A225699 ..... 04 p0561 N91-13114 #
AD-A225700 ..... 04 p0568 N91-13148 #
AD-A225701 ..... 04 p0555 N91-13076 #
AD-A225702 ..... 05 p0650 N91-13611 #
AD-A225708 ..... 04 p0579 N91-13225 #
AD-A225709 ..... 03 p0386 N91-12150 #
AD-A225711 ..... 04 p0475 N91-12654 #
AD-A225712 ..... 03 p0374 N91-12095 #
AD-A225713 ..... 04 p0531 N91-12949 #
AD-A225714 ..... 04 p0576 N91-13205 #
AD-A225715 ..... 04 p0547 N91-13033 #
AD-A225717 ..... 04 p0478 N91-12667 #
AD-A225718 ..... 04 p0572 N91-13178 #
AD-A225719 ..... 04 p0553 N91-13068 #
AD-A225720 ..... 04 p0570 N91-13162 #
AD-A225722 ..... 04 p0570 N91-13163 #
AD-A225728 ..... 04 p0506 N91-12813 #
AD-A225729 ..... 04 p0507 N91-12814 #
AD-A225730 ..... 05 p0640 N91-13550 #
AD-A225734 ..... 04 p0561 N91-13115 #
AD-A225737 ..... 04 p0514 N91-12858 #
AD-A225742 ..... 04 p0478 N91-12668 #
AD-A225743 ..... 04 p0587 N91-13277 #
AD-A225759 ..... 04 p0507 N91-12815 #
AD-A225761 ..... 04 p0553 N91-13069 #
AD-A225762 ..... 04 p0587 N91-13278* #
AD-A225763 ..... 04 p0570 N91-13164 #
AD-A225771 ..... 04 p0553 N91-13070 #
AD-A225773 ..... 05 p0626 N91-13472 #
AD-A225774 ..... 04 p0478 N91-12669 #
AD-A225782 ..... 04 p0562 N91-13116 #
AD-A225783 ..... 04 p0507 N91-12816 #
AD-A225784 ..... 04 p0528 N91-12929 #
AD-A225786 ..... 04 p0536 N91-12973 #
AD-A225788 ..... 04 p0497 N91-12759 #
AD-A225789 ..... 07 p0968 N91-15316 #
AD-A225790 ..... 07 p0969 N91-15317 #
AD-A225793 ..... 07 p1036 N91-15685 #
AD-A225796 ..... 07 p0962 N91-15294 #
AD-A225797 ..... 04 p0562 N91-13117 #
AD-A225798 ..... 04 p0562 N91-13118 #
AD-A225799 ..... 04 p0570 N91-13165 #
AD-A225803 ..... 04 p0587 N91-13279* #
AD-A225806 ..... 04 p0545 N91-13023 #
AD-A225807 ..... 04 p0555 N91-13077 #
AD-A225808 ..... 04 p0562 N91-13119 #
AD-A225809 ..... 04 p0562 N91-13120 #
AD-A225811 ..... 04 p0533 N91-12959 #
AD-A225812 ..... 04 p0572 N91-13173 #
AD-A225813 ..... 04 p0587 N91-13280 #
AD-A225814 ..... 04 p0510 N91-12836 #
AD-A225817 ..... 04 p0522 N91-12904 #
AD-A225818 ..... 04 p0501 N91-12780 #
AD-A225819 ..... 04 p0501 N91-12781 #
AD-A225830 ..... 04 p0583 N91-13249 #
AD-A225832 ..... 04 p0549 N91-13045 #
AD-A225833 ..... 04 p0555 N91-13078 #
AD-A225834 ..... 04 p0522 N91-12905 #
AD-A225837 ..... 04 p0497 N91-12760 #
AD-A225839 ..... 04 p0562 N91-13121 #
AD-A225856 ..... 04 p0605 N91-13369 #
AD-A225857 ..... 04 p0542 N91-13006 #
AD-A225859 ..... 04 p0588 N91-13281 #
AD-A225860 ..... 04 p0588 N91-13282 #
AD-A225861 ..... 04 p0588 N91-13283 #
AD-A225862 ..... 04 p0504 N91-12797 #
AD-A225864 ..... 05 p0633 N91-13508 #
AD-A225866 ..... 04 p0610 N91-13392 #
AD-A225870 ..... 04 p0576 N91-13206 #
AD-A225883 ..... 04 p0518 N91-12885 #
AD-A225889 ..... 04 p0554 N91-13071 #
AD-A225893 ..... 04 p0588 N91-13284 #
AD-A225894 ..... 04 p0588 N91-13285 #
AD-A225910 ..... 04 p0507 N91-12817 #
AD-A225916 ..... 04 p0563 N91-13122 #
AD-A225918 ..... 04 p0514 N91-12859 #
AD-A225925 ..... 04 p0588 N91-13286 #
AD-A225926 ..... 04 p0568 N91-13149 #
AD-A225932 ..... 04 p0589 N91-13287 #
AD-A225933 ..... 04 p0518 N91-12886 #
AD-A225942 ..... 04 p0519 N91-12887 #
AD-A225943 ..... 04 p0514 N91-12860 #
AD-A225948 ..... 04 p0547 N91-13034 #
AD-A225953 ..... 04 p0580 N91-13234 #
AD-A225955 ..... 04 p0527 N91-12918 #
AD-A225960 ..... 04 p0573 N91-13180 #
AD-A225961 ..... 04 p0577 N91-13207 #
AD-A225964 ..... 04 p0501 N91-12782 #
AD-A225965 ..... 04 p0603 N91-13352 #
AD-A225968 ..... 04 p0528 N91-12930 #
AD-A225969 ..... 04 p0527 N91-12919 #
AD-A225971 ..... 04 p0522 N91-12906 #
AD-A225972 ..... 04 p0515 N91-12861 #
AD-A225973 ..... 09 p1389 N91-17640 #
AD-A225984 ..... 04 p0554 N91-13072 #
AD-A225985 ..... 04 p0549 N91-13046 #
AD-A225987 ..... 05 p0640 N91-13551 #
AD-A225988 ..... 04 p0563 N91-13123 #
AD-A225989 ..... 04 p0577 N91-13208 #
AD-A225990 ..... 04 p0577 N91-13209 #
AD-A225991 ..... 04 p0578 N91-13216 #
AD-A225995 ..... 04 p0589 N91-13288 #
AD-A225996 ..... 04 p0471 N91-12637 #
AD-A225997 ..... 04 p0529 N91-12931 #
AD-A225999 ..... 04 p0536 N91-12974 #
AD-A226000 ..... 04 p0606 N91-13370 #
AD-A226006 ..... 04 p0602 N91-13351 #
AD-A226018 ..... 01 p0110 N91-10639 #
AD-A226019 ..... 04 p0519 N91-12888 #
AD-A226020 ..... 04 p0497 N91-12761 #
AD-A226021 ..... 04 p0515 N91-12862 #
AD-A226022 ..... 04 p0515 N91-12863 #
AD-A226027 ..... 04 p0579 N91-13226 #
AD-A226028 ..... 04 p0519 N91-12889 #
AD-A226031 ..... 04 p0501 N91-12783 #
AD-A226050 ..... 04 p0547 N91-13035 #
AD-A226056 ..... 04 p0504 N91-12798 #
AD-A226057 ..... 04 p0589 N91-13289 #
AD-A226058 ..... 04 p0522 N91-12907 #
AD-A226060 ..... 04 p0497 N91-12762 #
AD-A226061 ..... 04 p0515 N91-12864 #
AD-A226063 ..... 04 p0476 N91-12655 #
AD-A226070 ..... 04 p0519 N91-12890 #
AD-A226071 ..... 04 p0529 N91-12932 #
AD-A226072 ..... 04 p0471 N91-12638 #
AD-A226076 ..... 04 p0501 N91-12784 #
AD-A226084 ..... 04 p0578 N91-13221 #
AD-A226091 ..... 04 p0579 N91-13227 #
AD-A226101 ..... 04 p0515 N91-12865 #
AD-A226102 ..... 04 p0592 N91-13307 #
AD-A226104 ..... 04 p0577 N91-13210* #
AD-A226109 ..... 04 p0463 N91-12588 #
AD-A226110 ..... 04 p0563 N91-13124 #
AD-A226111 ..... 04 p0527 N91-12920 #
AD-A226113 ..... 04 p0513 N91-12849 #
AD-A226116 ..... 04 p0515 N91-12866 #
AD-A226117 ..... 04 p0563 N91-13125 #
AD-A226120 ..... 04 p0536 N91-12975 #
AD-A226121 ..... 04 p0527 N91-12921 #
AD-A226122 ..... 04 p0522 N91-12908 #
AD-A226123 ..... 04 p0471 N91-12639 #
AD-A226133 ..... 04 p0563 N91-13126 #
AD-A226134 ..... 04 p0507 N91-12818 #
AD-A226141 ..... 04 p0573 N91-13181 #
AD-A226143 ..... 04 p0589 N91-13290 #
AD-A226144 ..... 04 p0519 N91-12891 #
AD-A226161 ..... 04 p0568 N91-13150 #
AD-A226162 ..... 04 p0606 N91-13371 #
AD-A226163 ..... 04 p0563 N91-13127 #
AD-A226179 ..... 05 p0627 N91-13475 #
AD-A226183 ..... 04 p0522 N91-12909 #
AD-A226184 ..... 04 p0519 N91-12892 #
AD-A226186 ..... 04 p0511 N91-12837 #

AD-A226193 04 p0554 N91-13073 #
AD-A226201 04 p0580 N91-13235 #
AD-A226202 04 p0504 N91-12799 #
AD-A226203 04 p0564 N91-13128 #
AD-A226215 04 p0529 N91-12933* #
AD-A226218 04 p0515 N91-12867 #
AD-A226219 04 p0547 N91-13036 #
AD-A226225 04 p0476 N91-12656 #
AD-A226233 04 p0583 N91-13250 #
AD-A226235 04 p0476 N91-12657 #
AD-A226246 04 p0520 N91-12893 #
AD-A226257 04 p0573 N91-13182 #
AD-A226260 04 p0516 N91-12868 #
AD-A226267 04 p0532 N91-12950 #
AD-A226269 04 p0551 N91-13059 #
AD-A226271 04 p0552 N91-13060 #
AD-A226272 04 p0564 N91-13129 #
AD-A226273 04 p0542 N91-13007 #
AD-A226274 04 p0554 N91-13074 #
AD-A226281 04 p0573 N91-13183 #
AD-A226296 04 p0542 N91-13008 #
AD-A226297 04 p0589 N91-13291 #
AD-A226298 04 p0589 N91-13292 #
AD-A226310 04 p0481 N91-12679 #
AD-A226316 04 p0549 N91-13047 #
AD-A226318 10 p1564 N91-18602 #
AD-A226320 04 p0564 N91-13130 #
AD-A226321 04 p0579 N91-13228 #
AD-A226323 04 p0552 N91-13061 #
AD-A226324 04 p0507 N91-12819 #
AD-A226325 04 p0583 N91-13251 #
AD-A226326 04 p0507 N91-12820 #
AD-A226327 04 p0590 N91-13293 #
AD-A226328 04 p0508 N91-12821 #
AD-A226332 04 p0548 N91-13037 #
AD-A226334 04 p0568 N91-13151 #
AD-A226335 04 p0554 N91-13075 #
AD-A226336 04 p0520 N91-12894 #
AD-A226346 04 p0570 N91-13166 #
AD-A226351 04 p0523 N91-12910 #
AD-A226352 04 p0579 N91-13229 #
AD-A226360 04 p0487 N91-12709 #
AD-A226381 04 p0474 N91-12647 #
AD-A226382 04 p0537 N91-12976 #
AD-A226383 04 p0564 N91-13131 #
AD-A226386 04 p0590 N91-13294 #
AD-A226389 04 p0529 N91-12934 #
AD-A226390 04 p0504 N91-12800 #
AD-A226393 04 p0487 N91-12710 #
AD-A226397 04 p0511 N91-12838 #
AD-A226399 04 p0504 N91-12801 #
AD-A226400 04 p0606 N91-13372 #
AD-A226402 04 p0471 N91-12640 #
AD-A226403 07 p1047 N91-15747 #
AD-A226404 04 p0581 N91-13236 #
AD-A226410 04 p0505 N91-12806 #
AD-A226411 04 p0481 N91-12680 #
AD-A226412 04 p0479 N91-12672 #
AD-A226415 05 p0643 N91-13571 #
AD-A226416 04 p0509 N91-12826 #
AD-A226419 04 p0476 N91-12658 #
AD-A226421 04 p0512 N91-12844 #
AD-A226422 04 p0498 N91-12768 #
AD-A226430 04 p0552 N91-13064 #
AD-A226431 05 p0651 N91-13612 #
AD-A226432 04 p0523 N91-12914 #
AD-A226433 04 p0471 N91-12641 #
AD-A226435 04 p0512 N91-12845 #
AD-A226443 05 p0646 N91-13588 #
AD-A226449 04 p0565 N91-13135 #
AD-A226454 04 p0512 N91-12846 #
AD-A226460 05 p0660 N91-13667 #
AD-A226464 04 p0503 N91-12791 #
AD-A226466 04 p0577 N91-13211 #
AD-A226475 04 p0550 N91-13050 #
AD-A226477 01 p0113 N91-10660 #
AD-A226478 04 p0568 N91-13152 #
AD-A226479 04 p0499 N91-12769 #
AD-A226480 06 p0855 N91-14720 #
AD-A226481 05 p0657 N91-13646 #
AD-A226486 05 p0707 N91-13940 #
AD-A226487 04 p0580 N91-13230 #
AD-A226488 04 p0493 N91-12739 #
AD-A226490 04 p0487 N91-12706 #
AD-A226491 04 p0548 N91-13038 #
AD-A226493 04 p0574 N91-13187 #
AD-A226496 01 p0007 N91-10042 #
AD-A226499 05 p0636 N91-13523 #
AD-A226500 04 p0565 N91-13136 #
AD-A226502 06 p0885 N91-14892* #
AD-A226503 05 p0730 N91-14079* #
AD-A226508 05 p0668 N91-13712 #
AD-A226512 04 p0509 N91-12827 #
AD-A226513 04 p0509 N91-12828 #
AD-A226514 04 p0509 N91-12829 #
AD-A226515 04 p0509 N91-12830 #

AD-A226516 04 p0479 N91-12673 #
AD-A226517 04 p0606 N91-13375 #
AD-A226518 05 p0696 N91-13877 #
AD-A226520 05 p0621 N91-13444 #
AD-A226522 05 p0700 N91-13901 #
AD-A226524 05 p0716 N91-13993 #
AD-A226525 05 p0628 N91-13477 #
AD-A226526 05 p0628 N91-13478 #
AD-A226532 05 p0730 N91-14080 #
AD-A226534 05 p0651 N91-13613 #
AD-A226535 05 p0651 N91-13614 #
AD-A226536 05 p0647 N91-13589 #
AD-A226537 05 p0718 N91-14005 #
AD-A226540 05 p0694 N91-13864 #
AD-A226548 05 p0725 N91-14051 #
AD-A226552 05 p0634 N91-13512 #
AD-A226556 05 p0676 N91-13758 #
AD-A226559 05 p0711 N91-13969 #
AD-A226580 05 p0700 N91-13902 #
AD-A226581 04 p0503 N91-12792 #
AD-A226582 04 p0503 N91-12793 #
AD-A226592 05 p0701 N91-13903 #
AD-A226593 05 p0725 N91-14052 #
AD-A226595 05 p0709 N91-13953 #
AD-A226596 04 p0553 N91-13065 #
AD-A226609 05 p0647 N91-13590 #
AD-A226610 04 p0516 N91-12869 #
AD-A226613 04 p0565 N91-13137 #
AD-A226614 04 p0534 N91-12961 #
AD-A226616 04 p0516 N91-12870 #
AD-A226617 04 p0586 N91-13271 #
AD-A226618 06 p0878 N91-14851 #
AD-A226619 06 p0815 N91-14501 #
AD-A226625 05 p0634 N91-13513 #
AD-A226627 05 p0636 N91-13524 #
AD-A226628 21 p3460 N91-29190 #
AD-A226629 05 p0615 N91-13409 #
AD-A226630 05 p0665 N91-13696 #
AD-A226639 05 p0634 N91-13514 #
AD-A226640 05 p0668 N91-13713 #
AD-A226646 05 p0640 N91-13552 #
AD-A226648 05 p0696 N91-13878 #
AD-A226649 05 p0668 N91-13714 #
AD-A226650 05 p0657 N91-13647 #
AD-A226651 05 p0669 N91-13715 #
AD-A226653 05 p0647 N91-13591 #
AD-A226661 05 p0647 N91-13592 #
AD-A226664 05 p0726 N91-14053* #
AD-A226666 04 p0586 N91-13272 #
AD-A226668 05 p0695 N91-13869 #
AD-A226669 05 p0726 N91-14054 #
AD-A226671 05 p0631 N91-13496 #
AD-A226674 05 p0640 N91-13553 #
AD-A226679 05 p0628 N91-13479 #
AD-A226682 05 p0695 N91-13870 #
AD-A226684 06 p0787 N91-14355 #
AD-A226685 06 p0836 N91-14820 #
AD-A226692 07 p1048 N91-15753 #
AD-A226693 06 p0859 N91-14742 #
AD-A226694 06 p0859 N91-14743 #
AD-A226695 06 p0859 N91-14744 #
AD-A226696 06 p0859 N91-14745 #
AD-A226697 06 p0859 N91-14746 #
AD-A226698 08 p1198 N91-16583 #
AD-A226699 06 p0792 N91-14375 #
AD-A226701 06 p0803 N91-14431 #
AD-A226702 06 p0857 N91-14729 #
AD-A226711 06 p0885 N91-14893 #
AD-A226712 06 p0859 N91-14747 #
AD-A226722 08 p1240 N91-16837 #
AD-A226723 08 p1198 N91-16584 #
AD-A226724 06 p0860 N91-14748 #
AD-A226725 08 p1198 N91-16585 #
AD-A226729 08 p1198 N91-16586 #
AD-A226730 06 p0865 N91-14782 #
AD-A226731 07 p1036 N91-15686 #
AD-A226736 07 p0944 N91-15177 #
AD-A226737 07 p0979 N91-15374 #
AD-A226738 06 p0865 N91-14783 #
AD-A226739 06 p0817 N91-14515 #
AD-A226742 06 p0783 N91-14341 #
AD-A226746 06 p0817 N91-14516 #
AD-A226757 06 p0912 N91-15041 #
AD-A226759 06 p0838 N91-14831 #
AD-A226760 08 p1122 N91-16169 #
AD-A226763 08 p1153 N91-16352 #
AD-A226765 07 p1072 N91-15899 #
AD-A226767 06 p0816 N91-14509 #
AD-A226770 06 p0826 N91-14564 #
AD-A226773 08 p1176 N91-16474 #
AD-A226776 06 p0873 N91-14830 #
AD-A226777 06 p0850 N91-14749 #
AD-A226778 08 p1265 N91-16965 #
AD-A226782 06 p0854 N91-14714 #
AD-A226784 06 p0864 N91-14776 #
AD-A226785 08 p1133 N91-16235 #

AD-A226787 ..... 06 p0880 N91-14862 #
AD-A226788 ..... 06 p0854 N91-14715 #
AD-A226789 ..... 07 p1055 N91-15793 #
AD-A226790 ..... 06 p0880 N91-14863 #
AD-A226791 ..... 06 p0804 N91-14441 #
AD-A226792 ..... 06 p0803 N91-14432 #
AD-A226793 ..... 06 p0866 N91-14784 #
AD-A226808 ..... 06 p0818 N91-14517 #
AD-A226809 ..... 06 p0822 N91-14541 #
AD-A226811 ..... 08 p1110 N91-16097 #
AD-A226814 ..... 08 p1176 N91-16475 #
AD-A226815 ..... 06 p0808 N91-14463 #
AD-A226816 ..... 06 p0876 N91-14843 #
AD-A226817 ..... 08 p1198 N91-16587 #
AD-A226818 ..... 06 p0866 N91-14785 #
AD-A226820 ..... 08 p1199 N91-16588 #
AD-A226821 ..... 08 p1153 N91-16353 #
AD-A226822 ..... 08 p1154 N91-16354 #
AD-A226823 ..... 06 p0852 N91-14704 #
AD-A226824 ..... 06 p0853 N91-14707 #
AD-A226825 ..... 06 p0818 N91-14518 #
AD-A226826 ..... 08 p1191 N91-16548 #
AD-A226828 ..... 07 p1035 N91-15677 #
AD-A226829 ..... 08 p1142 N91-16285 #
AD-A226832 ..... 08 p1190 N91-16540 #
AD-A226844 ..... 08 p1110 N91-16098 #
AD-A226851 ..... 08 p1212 N91-16673 #
AD-A226852 ..... 08 p1209 N91-16649 #
AD-A226853 ..... 07 p1060 N91-15833 #
AD-A226854 ..... 06 p0867 N91-14794 #
AD-A226855 ..... 08 p1142 N91-16286 #
AD-A226856 ..... 06 p0886 N91-14894 #
AD-A226858 ..... 11 p1718 N91-19460 #
AD-A226866 ..... 07 p0985 N91-15404 #
AD-A226867 ..... 08 p1239 N91-16830 #
AD-A226869 ..... 08 p1125 N91-16184 #
AD-A226870 ..... 07 p1028 N91-15643 #
AD-A226871 ..... 07 p0969 N91-15321 #
AD-A226872 ..... 07 p0975 N91-15351 #
AD-A226873 ..... 07 p1038 N91-15696 #
AD-A226875 ..... 06 p0826 N91-14565 #
AD-A226882 ..... 06 p0867 N91-14795 #
AD-A226883 ..... 06 p0867 N91-14796 #
AD-A226886 ..... 06 p0860 N91-14750 #
AD-A226892 ..... 06 p0849 N91-14689 #
AD-A226893 ..... 06 p0785 N91-14350 #
AD-A226894 ..... 06 p0830 N91-14589 #
AD-A226895 ..... 06 p0880 N91-14864 #
AD-A226901 ..... 06 p0822 N91-14542 #
AD-A226902 ..... 06 p0822 N91-14543 #
AD-A226903 ..... 06 p0860 N91-14751 #
AD-A226904 ..... 06 p0860 N91-14752 #
AD-A226905 ..... 06 p0860 N91-14753 #
AD-A226906 ..... 06 p0855 N91-14721 #
AD-A226907 ..... 06 p0867 N91-14797 #
AD-A226922 ..... 06 p0818 N91-14519 #
AD-A226923 ..... 06 p0861 N91-14754 #
AD-A226927 ..... 06 p0805 N91-14442 #
AD-A226929 ..... 06 p0850 N91-14693 #
AD-A226930 ..... 06 p0861 N91-14755 #
AD-A226931 ..... 06 p0778 N91-14312 #
AD-A226933 ..... 06 p0863 N91-14770 #
AD-A226937 ..... 06 p0881 N91-14865 #
AD-A226939 ..... 06 p0818 N91-14520 #
AD-A226940 ..... 06 p0881 N91-14866 #
AD-A226944 ..... 06 p0826 N91-14566 #
AD-A226949 ..... 06 p0884 N91-14888 #
AD-A226952 ..... 06 p0812 N91-14485 #
AD-A226953 ..... 06 p0873 N91-14831 #
AD-A226957 ..... 06 p0818 N91-14521 #
AD-A226958 ..... 06 p0854 N91-14716 #
AD-A226959 ..... 07 p1048 N91-15754 #
AD-A226961 ..... 06 p0812 N91-14486 #
AD-A226963 ..... 06 p0853 N91-14708 #
AD-A226965 ..... 06 p0881 N91-14867 #
AD-A226966 ..... 06 p0805 N91-14443 #
AD-A226968 ..... 06 p0869 N91-14805 #
AD-A226969 ..... 08 p1241 N91-16838 #
AD-A226971 ..... 06 p0800 N91-14417 #
AD-A226974 ..... 06 p0850 N91-14694 #
AD-A226988 ..... 06 p0812 N91-14487 #
AD-A227002 ..... 06 p0792 N91-14376 #
AD-A227004 ..... 06 p0803 N91-14433 #
AD-A227006 ..... 06 p0881 N91-14868 #
AD-A227009 ..... 06 p0799 N91-14413 #
AD-A227010 ..... 06 p0854 N91-14717 #
AD-A227013 ..... 06 p0805 N91-14444 #
AD-A227017 ..... 06 p0851 N91-14695 #
AD-A227028 ..... 06 p0826 N91-14567 #
AD-A227030 ..... 06 p0805 N91-14445 #
AD-A227031 ..... 06 p0874 N91-14832 #
AD-A227032 ..... 07 p0994 N91-15454 #
AD-A227038 ..... 06 p0803 N91-14434 #
AD-A227040 ..... 06 p0851 N91-14696 #
AD-A227046 ..... 07 p0994 N91-15455 #
AD-A227048 ..... 06 p0805 N91-14446 #
AD-A227054 ..... 06 p0874 N91-14833 #
AD-A227055 ..... 06 p0861 N91-14756 #
AD-A227057 ..... 06 p0784 N91-14348 #
AD-A227059 ..... 06 p0885 N91-14889 #
AD-A227063 ..... 06 p0855 N91-14722 #
AD-A227066 ..... 06 p0827 N91-14568 #
AD-A227067 ..... 06 p0827 N91-14569 #
AD-A227073 ..... 06 p0849 N91-14690 #
AD-A227076 ..... 06 p0822 N91-14544 #
AD-A227077 ..... 06 p0850 N91-14691 #
AD-A227090 ..... 06 p0881 N91-14869 #
AD-A227112 ..... 07 p1028 N91-15644 #
AD-A227119 ..... 06 p0851 N91-14697 #
AD-A227121 ..... 06 p0822 N91-14545 #
AD-A227122 ..... 08 p1176 N91-16476 #
AD-A227123 ..... 08 p1177 N91-16477 #
AD-A227124 ..... 08 p1177 N91-16478 #
AD-A227125 ..... 08 p1177 N91-16479 #
AD-A227126 ..... 08 p1177 N91-16480 #
AD-A227127 ..... 08 p1177 N91-16481 #
AD-A227128 ..... 06 p0869 N91-14806 #
AD-A227129 ..... 06 p0851 N91-14698 #
AD-A227135 ..... 07 p1007 N91-15530* #
AD-A227136 ..... 06 p0823 N91-14546 #
AD-A227142 ..... 06 p0866 N91-14786 #
AD-A227144 ..... 06 p0863 N91-14771 #
AD-A227145 ..... 06 p0861 N91-14757 #
AD-A227147 ..... 06 p0861 N91-14758 #
AD-A227159 ..... 06 p0857 N91-14732* #
AD-A227163 ..... 06 p0874 N91-14834 #
AD-A227165 ..... 06 p0783 N91-14342 #
AD-A227168 ..... 06 p0861 N91-14759 #
AD-A227170 ..... 06 p0814 N91-14496 #
AD-A227174 ..... 06 p0852 N91-14705 #
AD-A227177 ..... 06 p0778 N91-14313 #
AD-A227181 ..... 08 p1125 N91-16185 #
AD-A227193 ..... 06 p0855 N91-14718 #
AD-A227196 ..... 06 p0783 N91-14343 #
AD-A227197 ..... 06 p0783 N91-14344 #
AD-A227214 ..... 08 p1177 N91-16482 #
AD-A227222 ..... 08 p1094 N91-16003 #
AD-A227224 ..... 06 p0881 N91-14870 #
AD-A227225 ..... 08 p1149 N91-16327 #
AD-A227226 ..... 08 p1149 N91-16328 #
AD-A227227 ..... 07 p0969 N91-15322 #
AD-A227232 ..... 06 p0851 N91-14699 #
AD-A227236 ..... 08 p1118 N91-16146 #
AD-A227238 ..... 06 p0882 N91-14871 #
AD-A227242 ..... 06 p0778 N91-14314 #
AD-A227247 ..... 08 p1149 N91-16329 #
AD-A227254 ..... 06 p0808 N91-14464 #
AD-A227255 ..... 06 p0809 N91-14465 #
AD-A227258 ..... 06 p0834 N91-14611 #
AD-A227259 ..... 06 p0823 N91-14547 #
AD-A227260 ..... 08 p1194 N91-16565 #
AD-A227261 ..... 08 p1199 N91-16589 #
AD-A227267 ..... 08 p1154 N91-16355 #
AD-A227276 ..... 08 p1158 N91-16381 #
AD-A227283 ..... 07 p1086 N91-15971* #
AD-A227285 ..... 07 p1035 N91-15678 #
AD-A227286 ..... 07 p1052 N91-15778 #
AD-A227295 ..... 07 p1022 N91-15612* #
AD-A227296 ..... 07 p1007 N91-15531 #
AD-A227300 ..... 06 p0814 N91-14497 #
AD-A227303 ..... 06 p0831 N91-14594 #
AD-A227304 ..... 06 p0792 N91-14377 #
AD-A227305 ..... 07 p1069 N91-15880 #
AD-A227306 ..... 06 p0866 N91-14787 #
AD-A227307 ..... 06 p0803 N91-14435 #
AD-A227309 ..... 06 p0823 N91-14548 #
AD-A227310 ..... 07 p1008 N91-15532 #
AD-A227311 ..... 07 p1072 N91-15900 #
AD-A227313 ..... 06 p0862 N91-14760 #
AD-A227323 ..... 07 p1015 N91-15571 #
AD-A227326 ..... 07 p0939 N91-15148 #
AD-A227328 ..... 07 p1048 N91-15755 #
AD-A227331 ..... 08 p1125 N91-16186 #
AD-A227334 ..... 06 p0886 N91-14895 #
AD-A227340 ..... 06 p0834 N91-14612 #
AD-A227342 ..... 06 p0850 N91-14692 #
AD-A227347 ..... 06 p0816 N91-14510 #
AD-A227348 ..... 06 p0805 N91-14447 #
AD-A227353 ..... 06 p0785 N91-14351 #
AD-A227362 ..... 06 p0857 N91-14730 #
AD-A227364 ..... 06 p0827 N91-14570 #
AD-A227365 ..... 06 p0778 N91-14315 #
AD-A227367 ..... 06 p0933 N91-15121 #
AD-A227368 ..... 06 p0934 N91-15122 #
AD-A227371 ..... 06 p0813 N91-14488 #
AD-A227372 ..... 06 p0831 N91-14595 #
AD-A227379 ..... 06 p0823 N91-14549 #
AD-A227381 ..... 06 p0866 N91-14788 #
AD-A227395 ..... 06 p0868 N91-14798 #
AD-A227397 ..... 06 p0840 N91-14641 #
AD-A227409 ..... 06 p0862 N91-14761 #
AD-A227413 ..... 06 p0868 N91-14799 #

AD-A227422 ..... 02 p0222 N91-11240 #
AD-A227425 ..... 06 p0847 N91-14677 #
AD-A227426 ..... 06 p0862 N91-14762 #
AD-A227437 ..... 06 p0818 N91-14522 #
AD-A227449 ..... 06 p0931 N91-15118 #
AD-A227450 ..... 08 p1190 N91-16544 #
AD-A227451 ..... 08 p1213 N91-16677 #
AD-A227453 ..... 08 p1119 N91-16147 #
AD-A227454 ..... 08 p1126 N91-16192 #
AD-A227461 ..... 07 p1081 N91-15947* #
AD-A227462 ..... 08 p1103 N91-16055 #
AD-A227463 ..... 09 p1366 N91-17506 #
AD-A227469 ..... 08 p1188 N91-16529 #
AD-A227471 ..... 11 p1696 N91-19342 #
AD-A227473 ..... 08 p1149 N91-16330 #
AD-A227481 ..... 07 p1001 N91-15498* #
AD-A227482 ..... 08 p1134 N91-16236 #
AD-A227486 ..... 08 p1093 N91-15999 #
AD-A227487 ..... 08 p1154 N91-16356 #
AD-A227489 ..... 08 p1122 N91-16170 #
AD-A227505 ..... 08 p1159 N91-16382 #
AD-A227506 ..... 08 p1115 N91-16124 #
AD-A227507 ..... 08 p1098 N91-16029 #
AD-A227511 ..... 08 p1159 N91-16383 #
AD-A227514 ..... 09 p1285 N91-17066 #
AD-A227515 ..... 09 p1284 N91-17062 #
AD-A227522 ..... 09 p1321 N91-17255 #
AD-A227524 ..... 09 p1311 N91-17198 #
AD-A227527 ..... 09 p1369 N91-17521 #
AD-A227529 ..... 09 p1302 N91-17144 #
AD-A227531 ..... 07 p1055 N91-15794 #
AD-A227532 ..... 07 p0946 N91-15185 #
AD-A227539 ..... 09 p1362 N91-17488 #
AD-A227541 ..... 07 p0987 N91-15417 #
AD-A227547 ..... 07 p0998 N91-15478 #
AD-A227556 ..... 09 p1312 N91-17199 #
AD-A227557 ..... 09 p1322 N91-17256 #
AD-A227560 ..... 09 p1401 N91-17711 #
AD-A227561 ..... 09 p1409 N91-17756 #
AD-A227563 ..... 07 p0985 N91-15405 #
AD-A227564 ..... 08 p1199 N91-16590 #
AD-A227571 ..... 08 p1123 N91-16171 #
AD-A227575 ..... 08 p1223 N91-16740 #
AD-A227576 ..... 08 p1134 N91-16237 #
AD-A227579 ..... 08 p1105 N91-16067 #
AD-A227580 ..... 05 p0633 N91-13505 #
AD-A227581 ..... 08 p1142 N91-16287 #
AD-A227582 ..... 08 p1166 N91-16416 #
AD-A227588 ..... 07 p1030 N91-15652 #
AD-A227604 ..... 07 p0939 N91-15149 #
AD-A227626 ..... 07 p1055 N91-15795 #
AD-A227627 ..... 07 p0940 N91-15150 #
AD-A227632 ..... 07 p1049 N91-15757 #
AD-A227639 ..... 07 p0979 N91-15375 #
AD-A227643 ..... 07 p1030 N91-15653 #
AD-A227644 ..... 08 p1185 N91-16518 #
AD-A227647 ..... 03 p0306 N91-11706 #
AD-A227649 ..... 07 p1030 N91-15654 #
AD-A227650 ..... 07 p1031 N91-15655 #
AD-A227651 ..... 08 p1199 N91-16591 #
AD-A227655 ..... 08 p1185 N91-16519 #
AD-A227668 ..... 08 p1186 N91-16520 #
AD-A227676 ..... 08 p1213 N91-16678 #
AD-A227677 ..... 08 p1110 N91-16099 #
AD-A227679 ..... 08 p1094 N91-16007 #
AD-A227682 ..... 08 p1206 N91-16634 #
AD-A227683 ..... 08 p1123 N91-16172 #
AD-A227687 ..... 08 p1186 N91-16521 #
AD-A227688 ..... 08 p1241 N91-16839 #
AD-A227690 ..... 08 p1177 N91-16483 #
AD-A227692 ..... 08 p1235 N91-16807 #
AD-A227697 ..... 08 p1191 N91-16549 #
AD-A227700 ..... 08 p1115 N91-16125 #
AD-A227703 ..... 08 p1126 N91-16187 #
AD-A227704 ..... 07 p1037 N91-15687 #
AD-A227706 ..... 07 p0994 N91-15456 #
AD-A227709 ..... 07 p0970 N91-15323 #
AD-A227713 ..... 08 p1229 N91-16776 #
AD-A227716 ..... 07 p1004 N91-15513 #
AD-A227721 ..... 08 p1178 N91-16484 #
AD-A227723 ..... 07 p1029 N91-15645 #
AD-A227724 ..... 08 p1186 N91-16522 #
AD-A227728 ..... 08 p1126 N91-16188 #
AD-A227729 ..... 07 p1031 N91-15656 #
AD-A227731 ..... 08 p1178 N91-16485 #
AD-A227732 ..... 07 p1037 N91-15688 #
AD-A227733 ..... 07 p1031 N91-15657 #
AD-A227734 ..... 07 p1031 N91-15658 #
AD-A227736 ..... 02 p0252 N91-11397* #
AD-A227737 ..... 01 p0103 N91-10599* #
AD-A227738 ..... 01 p0108 N91-10629* #
AD-A227739 ..... 01 p0108 N91-10628* #
AD-A227740 ..... 01 p0104 N91-10600* #
AD-A227741 ..... 09 p1322 N91-17257 #
AD-A227742 ..... 08 p1209 N91-16650 #
AD-A227743 ..... 07 p1049 N91-15758 #
AD-A227744 ..... 08 p1206 N91-16635 #
AD-A227747 ..... 07 p0935 N91-15123 #
AD-A227748 ..... 07 p0943 N91-15171 #
AD-A227751 ..... 07 p0943 N91-15172 #
AD-A227753 ..... 07 p1015 N91-15572 #
AD-A227754 ..... 07 p0945 N91-15178 #
AD-A227755 ..... 07 p1015 N91-15573 #
AD-A227757 ..... 08 p1097 N91-16020 #
AD-A227759 ..... 08 p1150 N91-16331 #
AD-A227760 ..... 08 p1134 N91-16238 #
AD-A227762 ..... 08 p1134 N91-16239 #
AD-A227763 ..... 08 p1178 N91-16486 #
AD-A227764 ..... 08 p1178 N91-16487 #
AD-A227766 ..... 08 p1199 N91-16592 #
AD-A227767 ..... 08 p1199 N91-16593 #
AD-A227782 ..... 08 p1191 N91-16545 #
AD-A227783 ..... 08 p1105 N91-16068 #
AD-A227788 ..... 09 p1340 N91-17359 #
AD-A227793 ..... 01 p0002 N91-10010* #
AD-A227794 ..... 01 p0040 N91-10237* #
AD-A227795 ..... 01 p0002 N91-10009* #
AD-A227800 ..... 07 p1015 N91-15574 #
AD-A227803 ..... 07 p1052 N91-15779 #
AD-A227806 ..... 07 p1008 N91-15533 #
AD-A227816 ..... 07 p1008 N91-15534 #
AD-A227826 ..... 07 p1049 N91-15759 #
AD-A227827 ..... 08 p1200 N91-16594 #
AD-A227835 ..... 08 p1143 N91-16291 #
AD-A227850 ..... 08 p1218 N91-16708 #
AD-A227851 ..... 07 p1036 N91-15683 #
AD-A227852 ..... 08 p1201 N91-16603 #
AD-A227855 ..... 02 p0181 N91-11022 #
AD-A227856 ..... 08 p1201 N91-16604 #
AD-A227857 ..... 08 p1120 N91-16154 #
AD-A227858 ..... 08 p1201 N91-16605 #
AD-A227864 ..... 05 p0697 N91-13882 #
AD-A227867 ..... 07 p1075 N91-15914 #
AD-A227875 ..... 08 p1201 N91-16606 #
AD-A227879 ..... 08 p1206 N91-16636 #
AD-A227884 ..... 08 p1202 N91-16607 #
AD-A227891 ..... 08 p1224 N91-16741 #
AD-A227893 ..... 08 p1202 N91-16608 #
AD-A227894 ..... 08 p1202 N91-16609 #
AD-A227895 ..... 09 p1367 N91-17513 #
AD-A227899 ..... 09 p1364 N91-17494 #
AD-A227901 ..... 09 p1371 N91-17533 #
AD-A227902 ..... 08 p1167 N91-16421 #
AD-A227910 ..... 08 p1115 N91-16129 #
AD-A227911 ..... 09 p1390 N91-17647 #
AD-A227915 ..... 08 p1241 N91-16841 #
AD-A227916 ..... 07 p1039 N91-15700 #
AD-A227920 ..... 08 p1099 N91-16031 #
AD-A227922 ..... 08 p1207 N91-16637 #
AD-A227930 ..... 10 p1457 N91-18034 #
AD-A227931 ..... 08 p1187 N91-16525 #
AD-A227932 ..... 07 p0986 N91-15413 #
AD-A227933 ..... 07 p0945 N91-15183 #
AD-A227941 ..... 08 p1236 N91-16816* #
AD-A227942 ..... 08 p1127 N91-16195 #
AD-A227947 ..... 11 p1739 N91-19564 #
AD-A227948 ..... 08 p1143 N91-16292 #
AD-A227961 ..... 08 p1195 N91-16567 #
AD-A227965 ..... 08 p1127 N91-16196 #
AD-A227966 ..... 08 p1178 N91-16488 #
AD-A227972 ..... 08 p1207 N91-16638 #
AD-A227975 ..... 08 p1164 N91-16408 #
AD-A227976 ..... 08 p1211 N91-16665 #
AD-A227978 ..... 07 p1032 N91-15662 #
AD-A227979 ..... 07 p0972 N91-15338 #
AD-A227987 ..... 07 p0983 N91-15395 #
AD-A227990 ..... 07 p0978 N91-15369 #
AD-A227992 ..... 07 p1061 N91-15837 #
AD-A228000 ..... 07 p1060 N91-15831 #
AD-A228001 ..... 07 p1052 N91-15774 #
AD-A228012 ..... 07 p1075 N91-15915 #
AD-A228013 ..... 07 p0983 N91-15396 #
AD-A228016 ..... 07 p1009 N91-15538 #
AD-A228020 ..... 05 p0679 N91-13777 #
AD-A228021 ..... 08 p1127 N91-16197 #
AD-A228026 ..... 07 p1052 N91-15775 #
AD-A228027 ..... 08 p1202 N91-16610 #
AD-A228037 ..... 07 p1086 N91-15972 #
AD-A228038 ..... 08 p1179 N91-16489 #
AD-A228045 ..... 08 p1237 N91-16817 #
AD-A228046 ..... 09 p1272 N91-16993* #
AD-A228047 ..... 07 p1000 N91-15491 #
AD-A228057 ..... 08 p1127 N91-16198 #
AD-A228058 ..... 08 p1127 N91-16199 #
AD-A228061 ..... 09 p1380 N91-17586 #
AD-A228062 ..... 07 p1000 N91-15492 #
AD-A228067 ..... 08 p1134 N91-16243 #
AD-A228079 ..... 07 p0972 N91-15339 #
AD-A228113 ..... 08 p1202 N91-16611 #
AD-A228119 ..... 07 p0973 N91-15340 #
AD-A228134 ..... 08 p1106 N91-16071 #
AD-A228140 ..... 07 p1033 N91-15665 #

AD-A228141 ..... 07 p1060 N91-15832 #
AD-A228142 ..... 08 p1210 N91-16660 #
AD-A228143 ..... 07 p1052 N91-15776 #
AD-A228147 ..... 08 p1128 N91-16200 #
AD-A228149 ..... 08 p1095 N91-16009 #
AD-A228150 ..... 08 p1111 N91-16103 #
AD-A228151 ..... 07 p1052 N91-15777 #
AD-A228179 ..... 08 p1211 N91-16666 #
AD-A228180 ..... 02 p0257 N91-11430* #
AD-A228194 ..... 08 p1091 N91-15990 #
AD-A228202 ..... 08 p1120 N91-16155 #
AD-A228213 ..... 07 p0987 N91-15420 #
AD-A228215 ..... 08 p1106 N91-16072 #
AD-A228218 ..... 08 p1155 N91-16361 #
AD-A228221 ..... 08 p1224 N91-16742 #
AD-A228231 ..... 08 p1143 N91-16293 #
AD-A228232 ..... 08 p1124 N91-16177 #
AD-A228237 ..... 08 p1116 N91-16130 #
AD-A228239 ..... 08 p1241 N91-16842 #
AD-A228255 ..... 01 p0109 N91-10633* #
AD-A228256 ..... 08 p1207 N91-16639* #
AD-A228278 ..... 08 p1203 N91-16612 #
AD-A228292 ..... 08 p1203 N91-16613 #
AD-A228293 ..... 08 p1211 N91-16667 #
AD-A228294 ..... 08 p1155 N91-16362 #
AD-A228295 ..... 08 p1128 N91-16201 #
AD-A228325 ..... 01 p0114 N91-10664* #
AD-A228345 ..... 08 p1207 N91-16640 #
AD-A228346 ..... 08 p1135 N91-16244 #
AD-A228357 ..... 08 p1111 N91-16104 #
AD-A228359 ..... 08 p1237 N91-16818 #
AD-A228370 ..... 08 p1111 N91-16105 #
AD-A228371 ..... 08 p1106 N91-16073 #
AD-A228373 ..... 08 p1112 N91-16106 #
AD-A228385 ..... 09 p1380 N91-17587 #
AD-A228388 ..... 09 p1326 N91-17284 #
AD-A228390 ..... 09 p1371 N91-17534 #
AD-A228392 ..... 09 p1322 N91-17260 #
AD-A228402 ..... 10 p1568 N91-18624 #
AD-A228421 ..... 09 p1340 N91-17361 #
AD-A228425 ..... 09 p1340 N91-17362 #
AD-A228426 ..... 09 p1392 N91-17660 #
AD-A228427 ..... 08 p1203 N91-16614 #
AD-A228429 ..... 08 p1237 N91-16819 #
AD-A228433 ..... 08 p1187 N91-16526 #
AD-A228437 ..... 08 p1210 N91-16661 #
AD-A228442 ..... 08 p1203 N91-16615 #
AD-A228454 ..... 08 p1203 N91-16616 #
AD-A228455 ..... 08 p1203 N91-16617 #
AD-A228456 ..... 10 p1569 N91-18625 #
AD-A228466 ..... 09 p1303 N91-17149 #
AD-A228468 ..... 09 p1380 N91-17588 #
AD-A228469 ..... 09 p1380 N91-17589 #
AD-A228470 ..... 09 p1380 N91-17590 #
AD-A228471 ..... 09 p1380 N91-17591 #
AD-A228472 ..... 09 p1381 N91-17592 #
AD-A228473 ..... 08 p1204 N91-16618 #
AD-A228474 ..... 09 p1381 N91-17593 #
AD-A228475 ..... 08 p1204 N91-16619 #
AD-A228476 ..... 09 p1381 N91-17594 #
AD-A228477 ..... 09 p1381 N91-17595 #
AD-A228478 ..... 09 p1381 N91-17596 #
AD-A228479 ..... 09 p1382 N91-17597 #
AD-A228480 ..... 09 p1382 N91-17598 #
AD-A228481 ..... 09 p1382 N91-17599 #
AD-A228483 ..... 09 p1382 N91-17600 #
AD-A228487 ..... 09 p1382 N91-17601 #
AD-A228491 ..... 05 p0644 N91-13574 #
AD-A228504 ..... 05 p0706 N91-13935* #
AD-A228511 ..... 09 p1367 N91-17514 #
AD-A228534 ..... 09 p1308 N91-17178 #
AD-A228535 ..... 08 p1112 N91-16107 #
AD-A228536 ..... 03 p0363 N91-12033* #
AD-A228539 ..... 08 p1155 N91-16363 #
AD-A228541 ..... 08 p1191 N91-16550 #
AD-A228545 ..... 08 p1128 N91-16202 #
AD-A228549 ..... 08 p1128 N91-16203 #
AD-A228554 ..... 01 p0006 N91-10033 #
AD-A228579 ..... 08 p1112 N91-16108 #
AD-A228580 ..... 08 p1204 N91-16620 #
AD-A228582 ..... 09 p1371 N91-17535 #
AD-A228583 ..... 09 p1322 N91-17261 #
AD-A228590 ..... 05 p0656 N91-13642* #
AD-A228592 ..... 09 p1382 N91-17602 #
AD-A228593 ..... 13 p2023 N91-21128 #
AD-A228594 ..... 09 p1374 N91-17549 #
AD-A228596 ..... 09 p1318 N91-17234 #
AD-A228598 ..... 09 p1322 N91-17262 #
AD-A228607 ..... 09 p1410 N91-17758 #
AD-A228608 ..... 09 p1410 N91-17759 #
AD-A228609 ..... 09 p1308 N91-17179 #
AD-A228610 ..... 09 p1318 N91-17235 #
AD-A228612 ..... 09 p1383 N91-17603 #
AD-A228613 ..... 08 p1135 N91-16245 #
AD-A228614 ..... 08 p1204 N91-16621 #
AD-A228615 ..... 08 p1237 N91-16820 #
AD-A228616 ..... 08 p1204 N91-16622 #
AD-A228623 ..... 08 p1187 N91-16527 #
AD-A228641 ..... 08 p1128 N91-16204 #
AD-A228643 ..... 10 p1566 N91-18608 #
AD-A228646 ..... 09 p1392 N91-17661 #
AD-A228647 ..... 09 p1312 N91-17201 #
AD-A228651 ..... 09 p1410 N91-17760 #
AD-A228653 ..... 09 p1322 N91-17263 #
AD-A228654 ..... 09 p1323 N91-17264 #
AD-A228655 ..... 01 p0009 N91-10051 #
AD-A228656 ..... 01 p0009 N91-10052 #
AD-A228659 ..... 09 p1275 N91-17011 #
AD-A228672 ..... 09 p1389 N91-17641 #
AD-A228673 ..... 09 p1410 N91-17761 #
AD-A228690 ..... 09 p1372 N91-17543 #
AD-A228691 ..... 08 p1159 N91-16386* #
AD-A228692 ..... 09 p1389 N91-17642 #
AD-A228694 ..... 09 p1390 N91-17648 #
AD-A228695 ..... 01 p0043 N91-10251* #
AD-A228696 ..... 01 p0004 N91-10022* #
AD-A228697 ..... 01 p0004 N91-10021* #
AD-A228698 ..... 01 p0042 N91-10250* #
AD-A228707 ..... 09 p1326 N91-17285 #
AD-A228712 ..... 09 p1383 N91-17605 #
AD-A228713 ..... 09 p1332 N91-17317 #
AD-A228715 ..... 09 p1390 N91-17649 #
AD-A228716 ..... 09 p1318 N91-17237 #
AD-A228718 ..... 09 p1411 N91-17763 #
AD-A228723 ..... 09 p1341 N91-17364 #
AD-A228724 ..... 09 p1309 N91-17183 #
AD-A228726 ..... 09 p1387 N91-17629 #
AD-A228727 ..... 09 p1323 N91-17265 #
AD-A228735 ..... 09 p1369 N91-17525 #
AD-A228739 ..... 09 p1389 N91-17643 #
AD-A228740 ..... 08 p1204 N91-16623 #
AD-A228741 ..... 08 p1196 N91-16571 #
AD-A228744 ..... 08 p1196 N91-16572 #
AD-A228746 ..... 09 p1318 N91-17238 #
AD-A228747 ..... 09 p1332 N91-17318 #
AD-A228749 ..... 08 p1230 N91-16779 #
AD-A228750 ..... 08 p1237 N91-16821 #
AD-A228756 ..... 08 p1128 N91-16205 #
AD-A228757 ..... 08 p1143 N91-16294 #
AD-A228758 ..... 08 p1135 N91-16246 #
AD-A228769 ..... 08 p1112 N91-16109 #
AD-A228772 ..... 08 p1135 N91-16247 #
AD-A228773 ..... 08 p1268 N91-16980 #
AD-A228774 ..... 08 p1244 N91-16855 #
AD-A228782 ..... 08 p1205 N91-16624 #
AD-A228784 ..... 08 p1129 N91-16206 #
AD-A228797 ..... 08 p1192 N91-16551 #
AD-A228802 ..... 08 p1151 N91-16336 #
AD-A228810 ..... 07 p1023 N91-15613 #
AD-A228812 ..... 08 p1129 N91-16207 #
AD-A228813 ..... 08 p1129 N91-16208 #
AD-A228814 ..... 08 p1129 N91-16209 #
AD-A228815 ..... 08 p1129 N91-16210 #
AD-A228817 ..... 08 p1160 N91-16387 #
AD-A228828 ..... 09 p1327 N91-17289 #
AD-A228829 ..... 09 p1383 N91-17606 #
AD-A228832 ..... 09 p1327 N91-17290 #
AD-A228833 ..... 09 p1411 N91-17764 #
AD-A228840 ..... 09 p1327 N91-17291 #
AD-A228841 ..... 09 p1327 N91-17292 #
AD-A228842 ..... 09 p1328 N91-17293 #
AD-A228843 ..... 09 p1387 N91-17630 #
AD-A228844 ..... 08 p1135 N91-16248 #
AD-A228851 ..... 08 p1205 N91-16625 #
AD-A228854 ..... 08 p1205 N91-16626 #
AD-A228867 ..... 08 p1219 N91-16709 #
AD-A228869 ..... 08 p1112 N91-16110 #
AD-A228870 ..... 08 p1167 N91-16422 #
AD-A228871 ..... 08 p1094 N91-16004 #
AD-A228872 ..... 08 p1224 N91-16743 #
AD-A228873 ..... 08 p1241 N91-16843 #
AD-A228874 ..... 08 p1208 N91-16643 #
AD-A228875 ..... 08 p1242 N91-16844 #
AD-A228876 ..... 08 p1120 N91-16156 #
AD-A228877 ..... 08 p1164 N91-16409 #
AD-A228882 ..... 08 p1089 N91-15976 #
AD-A228884 ..... 08 p1143 N91-16295 #
AD-A228885 ..... 01 p0006 N91-10034 #
AD-A228888 ..... 08 p1210 N91-16662 #
AD-A228889 ..... 08 p1211 N91-16663 #
AD-A228890 ..... 08 p1164 N91-16410 #
AD-A228896 ..... 08 p1211 N91-16668 #
AD-A228898 ..... 03 p0316 N91-11771 #
AD-A228899 ..... 03 p0340 N91-11905 #
AD-A228905 ..... 09 p1277 N91-17016 #
AD-A228906 ..... 01 p0040 N91-10237* #
AD-A228912 ..... 09 p1339 N91-17354 #
AD-A228920 ..... 09 p1333 N91-17319 #
AD-A228923 ..... 09 p1392 N91-17662 #
AD-A228928 ..... 09 p1395 N91-17678 #
AD-A228930 ..... 09 p1387 N91-17631 #
AD-A228935 ..... 09 p1326 N91-17283 #

AD-A228936 ..... 05 p0619 N91-13434 #
AD-A228940 ..... 09 p1399 N91-17699 #
AD-A228943 ..... 09 p1411 N91-17765 #
AD-A228946 ..... 09 p1390 N91-17650 #
AD-A228947 ..... 09 p1373 N91-17545 #
AD-A228950 ..... 09 p1412 N91-17774 #
AD-A228952 ..... 09 p1388 N91-17633 #
AD-A228957 ..... 09 p1369 N91-17526 #
AD-A228958 ..... 09 p1353 N91-17430 #
AD-A228960 ..... 03 p0399 N91-12216* #
AD-A228969 ..... 09 p1396 N91-17683 #
AD-A228982 ..... 09 p1388 N91-17634 #
AD-A228985 ..... 09 p1370 N91-17527 #
AD-A229003 ..... 10 p1468 N91-18097 #
AD-A229004 ..... 09 p1392 N91-17663 #
AD-A229006 ..... 09 p1324 N91-17269 #
AD-A229007 ..... 09 p1274 N91-17004 #
AD-A229008 ..... 09 p1324 N91-17270 #
AD-A229009 ..... 09 p1294 N91-17109 #
AD-A229010 ..... 09 p1370 N91-17528 #
AD-A229011 ..... 09 p1384 N91-17614 #
AD-A229015 ..... 09 p1337 N91-17343 #
AD-A229017 ..... 09 p1314 N91-17210 #
AD-A229019 ..... 03 p0399 N91-12217* #
AD-A229020 ..... 09 p1364 N91-17499 #
AD-A229025 ..... 09 p1365 N91-17500 #
AD-A229028 ..... 09 p1368 N91-17519 #
AD-A229029 ..... 09 p1413 N91-17775 #
AD-A229030 ..... 09 p1372 N91-17539 #
AD-A229033 ..... 09 p1384 N91-17615 #
AD-A229035 ..... 09 p1393 N91-17664 #
AD-A229036 ..... 09 p1374 N91-17551 #
AD-A229039 ..... 09 p1324 N91-17271 #
AD-A229040 ..... 08 p1127 N91-16193 #
AD-A229041 ..... 07 p1066 N91-15863 #
AD-A229042 ..... 10 p1556 N91-18555 #
AD-A229045 ..... 09 p1310 N91-17188 #
AD-A229046 ..... 08 p1134 N91-16241 #
AD-A229047 ..... 09 p1337 N91-17344 #
AD-A229053 ..... 09 p1385 N91-17616 #
AD-A229054 ..... 09 p1385 N91-17617 #
AD-A229055 ..... 09 p1385 N91-17618 #
AD-A229058 ..... 09 p1324 N91-17272 #
AD-A229059 ..... 09 p1385 N91-17619 #
AD-A229061 ..... 09 p1365 N91-17501 #
AD-A229064 ..... 09 p1396 N91-17684 #
AD-A229079 ..... 09 p1310 N91-17189 #
AD-A229080 ..... 09 p1406 N91-17738 #
AD-A229082 ..... 09 p1413 N91-17776 #
AD-A229088 ..... 10 p1468 N91-18098 #
AD-A229098 ..... 09 p1329 N91-17301 #
AD-A229104 ..... 12 p1954 N91-20747 #
AD-A229109 ..... 09 p1385 N91-17620 #
AD-A229111 ..... 09 p1372 N91-17540 #
AD-A229114 ..... 11 p1813 N91-19957 #
AD-A229115 ..... 09 p1386 N91-17621 #
AD-A229121 ..... 10 p1569 N91-18627 #
AD-A229123 ..... 09 p1422 N91-17830 #
AD-A229129 ..... 09 p1393 N91-17665 #
AD-A229137 ..... 05 p0709 N91-13952* #
AD-A229138 ..... 05 p0711 N91-13966* #
AD-A229143 ..... 09 p1304 N91-17158 #
AD-A229153 ..... 09 p1365 N91-17502 #
AD-A229155 ..... 09 p1324 N91-17273 #
AD-A229159 ..... 09 p1386 N91-17622 #
AD-A229160 ..... 05 p0730 N91-14076 #
AD-A229161 ..... 05 p0722 N91-14030 #
AD-A229162 ..... 05 p0630 N91-13488 #
AD-A229163 ..... 09 p1301 N91-17140* #
AD-A229164 ..... 09 p1285 N91-17064 #
AD-A229168 ..... 09 p1329 N91-17302 #
AD-A229177 ..... 09 p1320 N91-17248 #
AD-A229184 ..... 09 p1277 N91-17019 #
AD-A229185 ..... 09 p1310 N91-17190 #
AD-A229186 ..... 09 p1330 N91-17303 #
AD-A229192 ..... 09 p1340 N91-17358 #
AD-A229195 ..... 09 p1374 N91-17552 #
AD-A229199 ..... 09 p1305 N91-17159 #
AD-A229200 ..... 09 p1413 N91-17777 #
AD-A229205 ..... 09 p1330 N91-17304 #
AD-A229216 ..... 09 p1325 N91-17274 #
AD-A229218 ..... 09 p1422 N91-17831 #
AD-A229221 ..... 10 p1569 N91-18628 #
AD-A229228 ..... 09 p1365 N91-17503 #
AD-A229229 ..... 09 p1314 N91-17211 #
AD-A229231 ..... 09 p1314 N91-17212 #
AD-A229233 ..... 09 p1294 N91-17110 #
AD-A229234 ..... 09 p1388 N91-17635 #
AD-A229237 ..... 09 p1372 N91-17541 #
AD-A229239 ..... 09 p1271 N91-16989 #
AD-A229242 ..... 09 p1314 N91-17213 #
AD-A229244 ..... 10 p1535 N91-18451 #
AD-A229252 ..... 09 p1422 N91-17832 #
AD-A229255 ..... 10 p1469 N91-18099 #
AD-A229262 ..... 09 p1349 N91-17411 #
AD-A229272 ..... 09 p1284 N91-17059 #
AD-A229275 ..... 09 p1413 N91-17778 #
AD-A229276 ..... 09 p1374 N91-17553 #
AD-A229279 ..... 09 p1298 N91-17124 #
AD-A229280 ..... 09 p1342 N91-17372 #
AD-A229288 ..... 09 p1314 N91-17214 #
AD-A229289 ..... 09 p1419 N91-17809 #
AD-A229291 ..... 09 p1368 N91-17520 #
AD-A229292 ..... 09 p1391 N91-17054 #
AD-A229296 ..... 22 p3652 N91-30327 #
AD-A229297 ..... 22 p3762 N91-30972 #
AD-A229300 ..... 22 p3749 N91-30900 #
AD-A229305 ..... 22 p3724 N91-30724 #
AD-A229306 ..... 22 p3704 N91-30617 #
AD-A229308 ..... 22 p3724 N91-30725 #
AD-A229310 ..... 22 p3681 N91-30495 #
AD-A229313 ..... 22 p3724 N91-30726 #
AD-A229318 ..... 22 p3642 N91-30268 #
AD-A229319 ..... 22 p3609 N91-30078 #
AD-A229320 ..... 22 p3740 N91-30833 #
AD-A229321 ..... 22 p3746 N91-30880 #
AD-A229328 ..... 22 p3722 N91-30714 #
AD-A229330 ..... 22 p3743 N91-30855 #
AD-A229333 ..... 22 p3681 N91-30496 #
AD-A229334 ..... 22 p3650 N91-30311 #
AD-A229338 ..... 22 p3691 N91-30549 #
AD-A229341 ..... 22 p3715 N91-30679 #
AD-A229342 ..... 22 p3740 N91-30834 #
AD-A229343 ..... 02 p0179 N91-11015 #
AD-A229344 ..... 05 p0625 N91-13464 #
AD-A229346 ..... 23 p3900 N91-31771 #
AD-A229349 ..... 22 p3724 N91-30727 #
AD-A229350 ..... 22 p3724 N91-30728 #
AD-A229354 ..... 22 p3722 N91-30715 #
AD-A229357 ..... 22 p3652 N91-30328 #
AD-A229364 ..... 22 p3642 N91-30269 #
AD-A229368 ..... 22 p3752 N91-30912 #
AD-A229369 ..... 22 p3653 N91-30329 #
AD-A229381 ..... 22 p3657 N91-30355 #
AD-A229383 ..... 22 p3754 N91-30926 #
AD-A229384 ..... 22 p3708 N91-30638 #
AD-A229388 ..... 22 p3657 N91-30356 #
AD-A229393 ..... 22 p3719 N91-30702 #
AD-A229394 ..... 22 p3681 N91-30497 #
AD-A229395 ..... 22 p3653 N91-30330 #
AD-A229396 ..... 22 p3695 N91-30574 #
AD-A229398 ..... 22 p3748 N91-30895 #
AD-A229400 ..... 22 p3725 N91-30729 #
AD-A229401 ..... 22 p3718 N91-30696 #
AD-A229406 ..... 22 p3615 N91-30109 #
AD-A229408 ..... 22 p3720 N91-30703 #
AD-A229419 ..... 22 p3762 N91-30973 #
AD-A229421 ..... 22 p3722 N91-30716 #
AD-A229426 ..... 22 p3716 N91-30680 #
AD-A229427 ..... 22 p3681 N91-30498 #
AD-A229432 ..... 22 p3740 N91-30835 #
AD-A229433 ..... 22 p3740 N91-30836 #
AD-A229434 ..... 22 p3761 N91-30967 #
AD-A229435 ..... 22 p3671 N91-30441 #
AD-A229444 ..... 22 p3752 N91-30913 #
AD-A229462 ..... 22 p3762 N91-30974 #
AD-A229469 ..... 22 p3755 N91-30934 #
AD-A229470 ..... 22 p3666 N91-30411 #
AD-A229472 ..... 22 p3750 N91-30901 #
AD-A229474 ..... 22 p3683 N91-30509 #
AD-A229477 ..... 22 p3683 N91-30510 #
AD-A229478 ..... 22 p3711 N91-30654 #
AD-A229479 ..... 22 p3711 N91-30655 #
AD-A229480 ..... 22 p3646 N91-30292 #
AD-A229486 ..... 22 p3752 N91-30914 #
AD-A229487 ..... 24 p3960 N91-32130 #
AD-A229489 ..... 22 p3758 N91-30947 #
AD-A229490 ..... 22 p3671 N91-30442 #
AD-A229492 ..... 22 p3616 N91-30114 #
AD-A229494 ..... 22 p3671 N91-30443 #
AD-A229495 ..... 22 p3671 N91-30444 #
AD-A229496 ..... 22 p3761 N91-30968 #
AD-A229497 ..... 22 p3763 N91-30975 #
AD-A229498 ..... 22 p3769 N91-31018 #
AD-A229499 ..... 22 p3725 N91-30730 #
AD-A229500 ..... 22 p3755 N91-30935 #
AD-A229501 ..... 22 p3743 N91-30856 #
AD-A229502 ..... 22 p3743 N91-30857 #
AD-A229503 ..... 22 p3749 N91-30896 #
AD-A229514 ..... 22 p3657 N91-30357 #
AD-A229515 ..... 22 p3711 N91-30656 #
AD-A229516 ..... 22 p3711 N91-30657 #
AD-A229518 ..... 24 p3961 N91-32136 #
AD-A229520 ..... 24 p4077 N91-32775 #
AD-A229524 ..... 22 p3681 N91-30499 #
AD-A229527 ..... 22 p3629 N91-30193 #
AD-A229530 ..... 22 p3657 N91-30358 #
AD-A229532 ..... 22 p3725 N91-30731 #
AD-A229533 ..... 22 p3763 N91-30976 #
AD-A229534 ..... 22 p3763 N91-30977 #
AD-A229544 ..... 22 p3725 N91-30732 #
AD-A229545 ..... 22 p3609 N91-30074 #

AD-A229548 ..... 22 p3666 N91-30412 #
AD-A229551 ..... 22 p3725 N91-30733 #
AD-A229553 ..... 22 p3666 N91-30413 #
AD-A229557 ..... 22 p3725 N91-30734 #
AD-A229564 ..... 22 p3666 N91-30414 #
AD-A229569 ..... 22 p3617 N91-30124 #
AD-A229570 ..... 22 p3758 N91-30948 #
AD-A229574 ..... 22 p3765 N91-30989 #
AD-A229585 ..... 22 p3758 N91-30949 #
AD-A229586 ..... 22 p3758 N91-30950 #
AD-A229587 ..... 22 p3653 N91-30331 #
AD-A229589 ..... 22 p3759 N91-30951 #
AD-A229590 ..... 22 p3759 N91-30952 #
AD-A229591 ..... 22 p3646 N91-30293 #
AD-A229602 ..... 22 p3610 N91-30079 #
AD-A229606 ..... 22 p3616 N91-30115 #
AD-A229607 ..... 22 p3667 N91-30415 #
AD-A229609 ..... 22 p3667 N91-30416 #
AD-A229612 ..... 22 p3620 N91-30140 #
AD-A229616 ..... 06 p0780 N91-14324 #
AD-A229617 ..... 24 p4114 N91-32993 #
AD-A229622 ..... 24 p3961 N91-32137 #
AD-A229624 ..... 24 p4116 N91-33004 #
AD-A229633 ..... 24 p4091 N91-32857 #
AD-A229634 ..... 24 p4030 N91-32518 #
AD-A229641 ..... 07 p0940 N91-15154 #
AD-A229642 ..... 02 p0244 N91-11358 #
AD-A229643 ..... 12 p1929 N91-20616 #
AD-A229648 ..... 12 p1917 N91-20543 #
AD-A229652 ..... 12 p1990 N91-20949 #
AD-A229658 ..... 12 p1953 N91-20742 #
AD-A229659 ..... 12 p1990 N91-20950 #
AD-A229660 ..... 12 p1884 N91-20356 #
AD-A229661 ..... 12 p1851 N91-20176 #
AD-A229665 ..... 12 p1916 N91-20540 #
AD-A229668 ..... 03 p0313 N91-11752* #
AD-A229669 ..... 04 p0523 N91-12913* #
AD-A229670 ..... 05 p0657 N91-13649* #
AD-A229671 ..... 05 p0657 N91-13650* #
AD-A229672 ..... 05 p0615 N91-13410* #
AD-A229675 ..... 12 p1933 N91-20638 #
AD-A229682 ..... 12 p1998 N91-20996 #
AD-A229685 ..... 12 p1990 N91-20951 #
AD-A229691 ..... 12 p1892 N91-20405 #
AD-A229692 ..... 12 p1878 N91-20322 #
AD-A229693 ..... 12 p1878 N91-20323 #
AD-A229695 ..... 12 p1998 N91-20997 #
AD-A229705 ..... 12 p1953 N91-20743 #
AD-A229706 ..... 12 p1956 N91-20762 #
AD-A229708 ..... 14 p2300 N91-22712 #
AD-A229710 ..... 13 p2138 N91-21772 #
AD-A229711 ..... 12 p1884 N91-20357 #
AD-A229733 ..... 12 p1862 N91-20233 #
AD-A229735 ..... 12 p1914 N91-20525 #
AD-A229737 ..... 12 p1974 N91-20860 #
AD-A229743 ..... 12 p1931 N91-20625 #
AD-A229744 ..... 12 p1874 N91-20299 #
AD-A229747 ..... 12 p1874 N91-20300 #
AD-A229751 ..... 12 p1965 N91-20810 #
AD-A229753 ..... 12 p1970 N91-20835 #
AD-A229756 ..... 12 p1956 N91-20763 #
AD-A229757 ..... 12 p1963 N91-20803 #
AD-A229758 ..... 12 p1979 N91-20888 #
AD-A229762 ..... 12 p1925 N91-20595 #
AD-A229766 ..... 12 p1957 N91-20764 #
AD-A229768 ..... 12 p1874 N91-20301 #
AD-A229769 ..... 12 p1874 N91-20302 #
AD-A229770 ..... 12 p1875 N91-20303 #
AD-A229771 ..... 12 p1875 N91-20304 #
AD-A229772 ..... 12 p1875 N91-20305 #
AD-A229773 ..... 12 p1875 N91-20306 #
AD-A229776 ..... 12 p1990 N91-20952 #
AD-A229777 ..... 12 p1976 N91-20871 #
AD-A229778 ..... 12 p1923 N91-20580 #
AD-A229784 ..... 12 p1884 N91-20358 #
AD-A229787 ..... 12 p1998 N91-20998 #
AD-A229788 ..... 12 p1994 N91-20979 #
AD-A229790 ..... 09 p1379 N91-17580 #
AD-A229793 ..... 12 p1866 N91-20250 #
AD-A229794 ..... 12 p1981 N91-20900 #
AD-A229795 ..... 12 p1866 N91-20251 #
AD-A229799 ..... 12 p1982 N91-20908 #
AD-A229800 ..... 12 p1843 N91-20132 #
AD-A229801 ..... 12 p1875 N91-20307 #
AD-A229802 ..... 12 p1914 N91-20526 #
AD-A229803 ..... 12 p1990 N91-20953 #
AD-A229804 ..... 12 p1917 N91-20544 #
AD-A229805 ..... 12 p1917 N91-20545 #
AD-A229806 ..... 12 p1917 N91-20546 #
AD-A229807 ..... 12 p1866 N91-20252 #
AD-A229812 ..... 12 p1866 N91-20253 #
AD-A229822 ..... 12 p1931 N91-20626 #
AD-A229830 ..... 12 p1970 N91-20836 #
AD-A229837 ..... 12 p1970 N91-20837 #
AD-A229840 ..... 14 p2245 N91-22417 #
AD-A229845 ..... 12 p1990 N91-20954 #
AD-A229847 ..... 11 p1696 N91-19340 #
AD-A229848 ..... 11 p1709 N91-19412 #
AD-A229851 ..... 11 p1771 N91-19713 #
AD-A229852 ..... 11 p1713 N91-19434 #
AD-A229853 ..... 12 p1881 N91-20338 #
AD-A229854 ..... 12 p1834 N91-20081 #
AD-A229856 ..... 12 p1980 N91-20892 #
AD-A229858 ..... 12 p1891 N91-20398 #
AD-A229859 ..... 12 p1903 N91-20466 #
AD-A229860 ..... 11 p1799 N91-19879 #
AD-A229861 ..... 11 p1709 N91-19413 #
AD-A229862 ..... 11 p1740 N91-19565 #
AD-A229863 ..... 11 p1645 N91-19075 #
AD-A229865 ..... 11 p1681 N91-19265 #
AD-A229866 ..... 11 p1724 N91-19496 #
AD-A229867 ..... 11 p1653 N91-19111 #
AD-A229874 ..... 11 p1685 N91-19287 #
AD-A229875 ..... 11 p1645 N91-19071 #
AD-A229876 ..... 11 p1765 N91-19709 #
AD-A229882 ..... 12 p1881 N91-20339 #
AD-A229883 ..... 12 p1829 N91-20049 #
AD-A229884 ..... 12 p1952 N91-20740 #
AD-A229885 ..... 12 p1895 N91-20421 #
AD-A229901 ..... 12 p1872 N91-20286 #
AD-A229902 ..... 12 p1926 N91-20599 #
AD-A229903 ..... 12 p1861 N91-20224 #
AD-A229904 ..... 12 p1922 N91-20575 #
AD-A229905 ..... 12 p1996 N91-20989 #
AD-A229909 ..... 12 p1926 N91-20600 #
AD-A229910 ..... 12 p1955 N91-20753 #
AD-A229912 ..... 12 p1865 N91-20244 #
AD-A229913 ..... 12 p1865 N91-20245 #
AD-A229918 ..... 12 p1865 N91-20246 #
AD-A229919 ..... 12 p1852 N91-20178 #
AD-A229920 ..... 12 p1921 N91-20570 #
AD-A229921 ..... 12 p1980 N91-20893 #
AD-A229926 ..... 12 p1922 N91-20576 #
AD-A229931 ..... 12 p1872 N91-20287 #
AD-A229932 ..... 13 p2132 N91-21735 #
AD-A229933 ..... 12 p1872 N91-20288 #
AD-A229938 ..... 12 p1827 N91-20040 #
AD-A229947 ..... 12 p1976 N91-20868 #
AD-A229948 ..... 12 p1869 N91-20270 #
AD-A229949 ..... 12 p1997 N91-20990 #
AD-A229951 ..... 12 p1879 N91-20328 #
AD-A229952 ..... 12 p1955 N91-20754 #
AD-A229953 ..... 12 p1985 N91-20925 #
AD-A229954 ..... 12 p1926 N91-20601 #
AD-A229956 ..... 13 p2128 N91-21716 #
AD-A229957 ..... 12 p1986 N91-20926 #
AD-A229959 ..... 12 p1986 N91-20927 #
AD-A229960 ..... 12 p1901 N91-20454 #
AD-A229961 ..... 12 p1976 N91-20869 #
AD-A229962 ..... 12 p1997 N91-20991 #
AD-A229964 ..... 12 p1913 N91-20520 #
AD-A229971 ..... 12 p1980 N91-20894 #
AD-A229972 ..... 13 p2138 N91-21771 #
AD-A229974 ..... 10 p1470 N91-18107 #
AD-A229975 ..... 12 p1877 N91-20318 #
AD-A229979 ..... 12 p1895 N91-20422 #
AD-A229980 ..... 12 p1869 N91-20271 #
AD-A229984 ..... 12 p1927 N91-20602 #
AD-A229986 ..... 12 p1881 N91-20340 #
AD-A229987 ..... 12 p1972 N91-20849 #
AD-A229992 ..... 12 p1903 N91-20467 #
AD-A229996 ..... 13 p2047 N91-21263 #
AD-A229997 ..... 12 p1853 N91-20185 #
AD-A230014 ..... 12 p1986 N91-20928 #
AD-A230016 ..... 12 p1986 N91-20929 #
AD-A230019 ..... 12 p1928 N91-20610 #
AD-A230024 ..... 12 p1862 N91-20229 #
AD-A230026 ..... 13 p2129 N91-21717 #
AD-A230033 ..... 12 p1895 N91-20423 #
AD-A230034 ..... 12 p1872 N91-20289 #
AD-A230035 ..... 12 p1865 N91-20247 #
AD-A230036 ..... 12 p1972 N91-20850 #
AD-A230037 ..... 12 p1955 N91-20755 #
AD-A230047 ..... 12 p1986 N91-20930 #
AD-A230049 ..... 12 p1913 N91-20521 #
AD-A230051 ..... 12 p1976 N91-20870 #
AD-A230052 ..... 12 p1969 N91-20831 #
AD-A230056 ..... 12 p1862 N91-20230 #
AD-A230057 ..... 12 p1928 N91-20611 #
AD-A230058 ..... 12 p1930 N91-20621 #
AD-A230060 ..... 12 p1925 N91-20591 #
AD-A230061 ..... 12 p1953 N91-20741 #
AD-A230063 ..... 12 p1925 N91-20592 #
AD-A230064 ..... 12 p1986 N91-20931 #
AD-A230065 ..... 12 p1986 N91-20932 #
AD-A230068 ..... 12 p1972 N91-20851 #
AD-A230069 ..... 12 p1932 N91-20632 #
AD-A230070 ..... 12 p1963 N91-20799 #
AD-A230071 ..... 12 p1980 N91-20895 #
AD-A230072 ..... 12 p1928 N91-20612 #
AD-A230074 ..... 12 p1987 N91-20933 #
AD-A230075 ..... 12 p1930 N91-20622 #

AD-A230076 ..... 12 p1930 N91-20623 #
AD-A230079 ..... 12 p1972 N91-20852 #
AD-A230081 ..... 12 p1927 N91-20603 #
AD-A230085 ..... 12 p1955 N91-20756 #
AD-A230088 ..... 12 p1913 N91-20522 #
AD-A230090 ..... 12 p1901 N91-20455 #
AD-A230092 ..... 12 p1881 N91-20341 #
AD-A230093 ..... 12 p1955 N91-20757 #
AD-A230094 ..... 12 p1872 N91-20290 #
AD-A230097 ..... 12 p1869 N91-20272 #
AD-A230098 ..... 12 p2009 N91-21056 #
AD-A230099 ..... 12 p2009 N91-21057 #
AD-A230100 ..... 12 p2009 N91-21058 #
AD-A230101 ..... 12 p1987 N91-20934 #
AD-A230108 ..... 12 p1964 N91-20807 #
AD-A230109 ..... 12 p1873 N91-20291 #
AD-A230110 ..... 13 p2159 N91-21904 #
AD-A230112 ..... 12 p1969 N91-20832 #
AD-A230114 ..... 12 p1994 N91-20978 #
AD-A230115 ..... 12 p1879 N91-20329* #
AD-A230117 ..... 12 p1879 N91-20330* #
AD-A230118 ..... 12 p1880 N91-20331* #
AD-A230126 ..... 12 p1881 N91-20342 #
AD-A230127 ..... 12 p1932 N91-20633 #
AD-A230130 ..... 12 p1877 N91-20319 #
AD-A230131 ..... 12 p1877 N91-20320 #
AD-A230134 ..... 13 p2099 N91-21552 #
AD-A230136 ..... 12 p1907 N91-20491 #
AD-A230137 ..... 12 p1922 N91-20577 #
AD-A230138 ..... 12 p1854 N91-20186 #
AD-A230140 ..... 13 p2087 N91-21486 #
AD-A230141 ..... 12 p1830 N91-20056 #
AD-A230150 ..... 12 p1881 N91-20343 #
AD-A230151 ..... 12 p1880 N91-20332 #
AD-A230152 ..... 12 p1882 N91-20344 #
AD-A230154 ..... 12 p1891 N91-20399 #
AD-A230155 ..... 12 p1865 N91-20248 #
AD-A230156 ..... 12 p1907 N91-20492 #
AD-A230161 ..... 12 p1891 N91-20400 #
AD-A230162 ..... 12 p1829 N91-20050 #
AD-A230164 ..... 12 p1901 N91-20456 #
AD-A230165 ..... 12 p1964 N91-20808 #
AD-A230166 ..... 12 p1929 N91-20613 #
AD-A230167 ..... 12 p1987 N91-20935 #
AD-A230168 ..... 12 p1973 N91-20853 #
AD-A230171 ..... 12 p1927 N91-20604 #
AD-A230174 ..... 12 p1892 N91-20401 #
AD-A230175 ..... 12 p1873 N91-20292 #
AD-A230176 ..... 12 p1866 N91-20249 #
AD-A230179 ..... 12 p1896 N91-20424 #
AD-A230183 ..... 12 p1903 N91-20468 #
AD-A230186 ..... 12 p1873 N91-20293 #
AD-A230187 ..... 12 p1878 N91-20321 #
AD-A230194 ..... 12 p1987 N91-20936 #
AD-A230199 ..... 12 p1854 N91-20187 #
AD-A230200 ..... 12 p1956 N91-20758 #
AD-A230201 ..... 12 p1931 N91-20624 #
AD-A230202 ..... 12 p1870 N91-20273 #
AD-A230206 ..... 12 p1980 N91-20896 #
AD-A230216 ..... 12 p1997 N91-20992 #
AD-A230219 ..... 12 p1896 N91-20425 #
AD-A230220 ..... 12 p1873 N91-20294 #
AD-A230221 ..... 12 p1873 N91-20295 #
AD-A230222 ..... 12 p1903 N91-20469 #
AD-A230223 ..... 12 p1854 N91-20188 #
AD-A230227 ..... 12 p1910 N91-20501 #
AD-A230237 ..... 13 p2129 N91-21718 #
AD-A230239 ..... 12 p1903 N91-20470 #
AD-A230240 ..... 12 p1889 N91-20384 #
AD-A230241 ..... 12 p1987 N91-20937 #
AD-A230243 ..... 13 p2095 N91-21533 #
AD-A230247 ..... 12 p1892 N91-20402 #
AD-A230248 ..... 12 p1851 N91-20174 #
AD-A230259 ..... 12 p1973 N91-20854 #
AD-A230265 ..... 06 p0777 N91-14307* #
AD-A230266 ..... 12 p1997 N91-20993 #
AD-A230268 ..... 12 p1988 N91-20938 #
AD-A230269 ..... 12 p1988 N91-20939 #
AD-A230270 ..... 12 p1933 N91-20634 #
AD-A230271 ..... 12 p1929 N91-20614 #
AD-A230272 ..... 12 p1982 N91-20907 #
AD-A230277 ..... 12 p1988 N91-20940 #
AD-A230278 ..... 12 p1956 N91-20759 #
AD-A230281 ..... 12 p1988 N91-20941 #
AD-A230282 ..... 13 p2132 N91-21736 #
AD-A230283 ..... 13 p2139 N91-21777 #
AD-A230289 ..... 12 p1851 N91-20175 #
AD-A230292 ..... 12 p1963 N91-20800 #
AD-A230293 ..... 12 p1963 N91-20801 #
AD-A230295 ..... 12 p1913 N91-20523 #
AD-A230296 ..... 12 p1925 N91-20593 #
AD-A230297 ..... 12 p1973 N91-20855 #
AD-A230298 ..... 12 p1892 N91-20403 #
AD-A230299 ..... 12 p1873 N91-20296 #
AD-A230303 ..... 12 p1882 N91-20345 #
AD-A230304 ..... 12 p1923 N91-20578 #
AD-A230308 ..... 12 p1882 N91-20346 #
AD-A230309 ..... 12 p1956 N91-20760 #
AD-A230310 ..... 12 p1925 N91-20594 #
AD-A230315 ..... 12 p1870 N91-20274 #
AD-A230316 ..... 12 p1975 N91-20864 #
AD-A230318 ..... 13 p2129 N91-21719* #
AD-A230319 ..... 12 p1956 N91-20761 #
AD-A230322 ..... 12 p1882 N91-20347 #
AD-A230323 ..... 12 p1980 N91-20897 #
AD-A230327 ..... 12 p1975 N91-20865 #
AD-A230331 ..... 05 p0660 N91-13669* #
AD-A230332 ..... 13 p2080 N91-21460 #
AD-A230338 ..... 05 p0625 N91-13462* #
AD-A230339 ..... 12 p1882 N91-20348 #
AD-A230340 ..... 12 p1882 N91-20349 #
AD-A230341 ..... 12 p1883 N91-20350 #
AD-A230345 ..... 12 p1988 N91-20942 #
AD-A230346 ..... 12 p1989 N91-20943 #
AD-A230353 ..... 12 p1933 N91-20635 #
AD-A230354 ..... 12 p1904 N91-20471 #
AD-A230355 ..... 12 p1874 N91-20297 #
AD-A230356 ..... 12 p1896 N91-20426 #
AD-A230358 ..... 12 p1989 N91-20944 #
AD-A230361 ..... 12 p1874 N91-20298 #
AD-A230362 ..... 12 p1907 N91-20493 #
AD-A230364 ..... 12 p1843 N91-20131 #
AD-A230366 ..... 12 p1929 N91-20615 #
AD-A230370 ..... 13 p2070 N91-21400 #
AD-A230373 ..... 12 p1883 N91-20351 #
AD-A230374 ..... 12 p1963 N91-20802 #
AD-A230380 ..... 12 p1969 N91-20833 #
AD-A230383 ..... 12 p1913 N91-20524 #
AD-A230386 ..... 12 p1981 N91-20898 #
AD-A230387 ..... 12 p1964 N91-20809 #
AD-A230388 ..... 12 p1862 N91-20231 #
AD-A230389 ..... 12 p1989 N91-20945 #
AD-A230391 ..... 12 p1989 N91-20946 #
AD-A230395 ..... 12 p1832 N91-20068 #
AD-A230396 ..... 12 p1892 N91-20404 #
AD-A230399 ..... 12 p1883 N91-20352 #
AD-A230400 ..... 06 p0777 N91-14308* #
AD-A230402 ..... 12 p1827 N91-20041 #
AD-A230405 ..... 12 p1997 N91-20994 #
AD-A230409 ..... 12 p1989 N91-20947 #
AD-A230414 ..... 12 p1862 N91-20232 #
AD-A230415 ..... 12 p1997 N91-20995 #
AD-A230416 ..... 12 p1933 N91-20636 #
AD-A230417 ..... 12 p1970 N91-20834 #
AD-A230424 ..... 12 p1989 N91-20948 #
AD-A230426 ..... 12 p1923 N91-20579 #
AD-A230427 ..... 12 p1981 N91-20899 #
AD-A230428 ..... 12 p1883 N91-20353 #
AD-A230433 ..... 11 p1775 N91-19731 #
AD-A230434 ..... 11 p1656 N91-19124 #
AD-A230435 ..... 12 p1933 N91-20637 #
AD-A230436 ..... 10 p1529 N91-18422 #
AD-A230440 ..... 12 p1829 N91-20051 #
AD-A230441 ..... 12 p1883 N91-20354 #
AD-A230442 ..... 12 p1883 N91-20355 #
AD-A230443 ..... 12 p1834 N91-20082 #
AD-A230445 ..... 12 p1893 N91-20407 #
AD-A230448 ..... 12 p1929 N91-20617 #
AD-A230451 ..... 12 p1870 N91-20279 #
AD-A230454 ..... 12 p1933 N91-20639 #
AD-A230457 ..... 12 p1914 N91-20527 #
AD-A230458 ..... 12 p1957 N91-20766 #
AD-A230459 ..... 12 p1904 N91-20473 #
AD-A230460 ..... 12 p1957 N91-20767 #
AD-A230461 ..... 12 p1953 N91-20744 #
AD-A230462 ..... 12 p1829 N91-20053 #
AD-A230463 ..... 12 p1854 N91-20190 #
AD-A230465 ..... 12 p1844 N91-20134 #
AD-A230466 ..... 12 p1885 N91-20361 #
AD-A230467 ..... 12 p1907 N91-20494 #
AD-A230468 ..... 12 p1834 N91-20078 #
AD-A230469 ..... 12 p1934 N91-20640 #
AD-A230470 ..... 12 p1863 N91-20234 #
AD-A230471 ..... 12 p1854 N91-20191 #
AD-A230472 ..... 12 p1994 N91-20980 #
AD-A230473 ..... 12 p1851 N91-20172 #
AD-A230474 ..... 12 p1929 N91-20618 #
AD-A230476 ..... 12 p1927 N91-20605 #
AD-A230477 ..... 12 p1927 N91-20606 #
AD-A230484 ..... 12 p1931 N91-20627 #
AD-A230488 ..... 12 p1966 N91-20821 #
AD-A230491 ..... 05 p0694 N91-13863 #
AD-A230492 ..... 12 p1976 N91-20872 #
AD-A230493 ..... 12 p1923 N91-20581 #
AD-A230495 ..... 12 p1966 N91-20822 #
AD-A230496 ..... 12 p1896 N91-20427 #
AD-A230497 ..... 12 p1958 N91-20768 #
AD-A230499 ..... 12 p1885 N91-20362 #
AD-A230500 ..... 12 p1973 N91-20856 #
AD-A230501 ..... 12 p1885 N91-20363 #
AD-A230502 ..... 12 p1885 N91-20364 #
AD-A230504 ..... 12 p1976 N91-20873 #

AD-A230506 ..... 12 p1970 N91-20838 #
AD-A230508 ..... 12 p1832 N91-20069 #
AD-A230513 ..... 12 p1904 N91-20474 #
AD-A230514 ..... 12 p1885 N91-20365 #
AD-A230515 ..... 12 p1855 N91-20192 #
AD-A230517 ..... 12 p1834 N91-20079 #
AD-A230518 ..... 12 p1907 N91-20495 #
AD-A230519 ..... 12 p1923 N91-20582 #
AD-A230520 ..... 12 p1993 N91-20970 #
AD-A230521 ..... 12 p1896 N91-20428 #
AD-A230523 ..... 12 p1970 N91-20639 #
AD-A230524 ..... 12 p1971 N91-20840 #
AD-A230525 ..... 12 p1885 N91-20366 #
AD-A230526 ..... 12 p1886 N91-20367 #
AD-A230527 ..... 12 p1914 N91-20528 #
AD-A230529 ..... 12 p1863 N91-20235 #
AD-A230530 ..... 12 p1851 N91-20173 #
AD-A230531 ..... 12 p1886 N91-20368 #
AD-A230532 ..... 12 p1981 N91-20901 #
AD-A230533 ..... 12 p1971 N91-20841 #
AD-A230534 ..... 12 p1886 N91-20369 #
AD-A230535 ..... 12 p1855 N91-20193 #
AD-A230540 ..... 12 p1886 N91-20370 #
AD-A230541 ..... 12 p1870 N91-20275 #
AD-A230542 ..... 12 p1990 N91-20955 #
AD-A230543 ..... 12 p1971 N91-20842 #
AD-A230544 ..... 12 p1863 N91-20236 #
AD-A230545 ..... 12 p1971 N91-20843 #
AD-A230547 ..... 12 p1981 N91-20902 #
AD-A230549 ..... 12 p1855 N91-20194 #
AD-A230550 ..... 12 p1870 N91-20276 #
AD-A230552 ..... 12 p1998 N91-20999 #
AD-A230554 ..... 12 p1893 N91-20408 #
AD-A230555 ..... 12 p1842 N91-20123 #
AD-A230556 ..... 12 p1981 N91-20903 #
AD-A230557 ..... 12 p1995 N91-20981 #
AD-A230558 ..... 12 p1917 N91-20547 #
AD-A230560 ..... 12 p1983 N91-20909 #
AD-A230564 ..... 12 p1967 N91-20823 #
AD-A230568 ..... 12 p2007 N91-21048 #
AD-A230571 ..... 13 p2116 N91-21650 #
AD-A230572 ..... 12 p1876 N91-20308 #
AD-A230575 ..... 12 p1993 N91-20971 #
AD-A230576 ..... 12 p1897 N91-20429 #
AD-A230579 ..... 12 p1990 N91-20956 #
AD-A230580 ..... 12 p1886 N91-20371 #
AD-A230581 ..... 12 p1834 N91-20080 #
AD-A230582 ..... 12 p1886 N91-20372 #
AD-A230583 ..... 12 p1901 N91-20458 #
AD-A230584 ..... 12 p1982 N91-20904 #
AD-A230585 ..... 12 p1855 N91-20195 #
AD-A230586 ..... 12 p1855 N91-20196 #
AD-A230587 ..... 12 p1887 N91-20373 #
AD-A230590 ..... 12 p1856 N91-20197 #
AD-A230591 ..... 12 p1870 N91-20277* #
AD-A230596 ..... 12 p1967 N91-20824 #
AD-A230597 ..... 12 p1904 N91-20475 #
AD-A230598 ..... 13 p2132 N91-21737 #
AD-A230600 ..... 12 p1995 N91-20982 #
AD-A230602 ..... 12 p1998 N91-21000 #
AD-A230603 ..... 12 p1893 N91-20409 #
AD-A230605 ..... 13 p2075 N91-21428 #
AD-A230608 ..... 13 p2168 N91-21962 #
AD-A230609 ..... 13 p2070 N91-21401 #
AD-A230610 ..... 12 p1863 N91-20237 #
AD-A230612 ..... 12 p1887 N91-20374 #
AD-A230613 ..... 12 p2007 N91-21049 #
AD-A230614 ..... 12 p1977 N91-20874 #
AD-A230616 ..... 06 p0856 N91-14726* #
AD-A230617 ..... 12 p1930 N91-20619 #
AD-A230619 ..... 12 p1880 N91-20333 #
AD-A230621 ..... 12 p1958 N91-20769 #
AD-A230622 ..... 12 p1991 N91-20957 #
AD-A230623 ..... 12 p1893 N91-20410 #
AD-A230625 ..... 12 p1876 N91-20309 #
AD-A230626 ..... 12 p1856 N91-20198 #
AD-A230627 ..... 12 p1983 N91-20910 #
AD-A230628 ..... 12 p1971 N91-20844 #
AD-A230630 ..... 12 p1995 N91-20983 #
AD-A230631 ..... 12 p1923 N91-20583 #
AD-A230632 ..... 12 p1887 N91-20375 #
AD-A230633 ..... 12 p1878 N91-20325 #
AD-A230634 ..... 13 p2155 N91-21881 #
AD-A230635 ..... 12 p1964 N91-20805 #
AD-A230636 ..... 12 p1977 N91-20875 #
AD-A230639 ..... 12 p1928 N91-20607 #
AD-A230645 ..... 12 p1914 N91-20529 #
AD-A230646 ..... 10 p1494 N91-18221 #
AD-A230648 ..... 12 p1866 N91-20254 #
AD-A230649 ..... 12 p1907 N91-20496 #
AD-A230651 ..... 12 p1971 N91-20845 #
AD-A230653 ..... 12 p1982 N91-20905 #
AD-A230655 ..... 13 p2153 N91-21869 #
AD-A230659 ..... 13 p2132 N91-21738 #
AD-A230660 ..... 12 p1893 N91-20411 #
AD-A230661 ..... 12 p1953 N91-20745 #
AD-A230662 ..... 12 p1897 N91-20430 #
AD-A230663 ..... 12 p1887 N91-20376 #
AD-A230664 ..... 12 p1887 N91-20377 #
AD-A230665 ..... 12 p1914 N91-20530 #
AD-A230672 ..... 12 p1971 N91-20846 #
AD-A230674 ..... 12 p1977 N91-20876 #
AD-A230675 ..... 12 p1999 N91-21001 #
AD-A230676 ..... 12 p1893 N91-20412 #
AD-A230677 ..... 12 p1904 N91-20476 #
AD-A230678 ..... 12 p1931 N91-20628 #
AD-A230680 ..... 12 p1904 N91-20477 #
AD-A230681 ..... 12 p1888 N91-20378 #
AD-A230682 ..... 12 p1914 N91-20531 #
AD-A230683 ..... 12 p1853 N91-20179 #
AD-A230684 ..... 12 p1991 N91-20958 #
AD-A230689 ..... 12 p1846 N91-20145 #
AD-A230696 ..... 12 p1917 N91-20548 #
AD-A230697 ..... 12 p1918 N91-20549 #
AD-A230700 ..... 12 p1919 N91-20559 #
AD-A230701 ..... 12 p1967 N91-20825 #
AD-A230702 ..... 13 p2075 N91-21429 #
AD-A230703 ..... 12 p1932 N91-20629 #
AD-A230705 ..... 12 p1924 N91-20584 #
AD-A230706 ..... 13 p2153 N91-21870 #
AD-A230707 ..... 12 p1835 N91-20083 #
AD-A230709 ..... 12 p1866 N91-20255 #
AD-A230710 ..... 12 p1876 N91-20310 #
AD-A230719 ..... 09 p1276 N91-17012 #
AD-A230724 ..... 12 p1908 N91-20497 #
AD-A230726 ..... 12 p1958 N91-20770 #
AD-A230729 ..... 12 p1897 N91-20431 #
AD-A230733 ..... 12 p1856 N91-20199 #
AD-A230734 ..... 12 p1856 N91-20200 #
AD-A230736 ..... 12 p1918 N91-20550 #
AD-A230737 ..... 12 p1888 N91-20379 #
AD-A230739 ..... 12 p1888 N91-20380 #
AD-A230746 ..... 12 p1958 N91-20771 #
AD-A230747 ..... 12 p1977 N91-20877 #
AD-A230748 ..... 12 p1829 N91-20054 #
AD-A230751 ..... 12 p1967 N91-20826 #
AD-A230752 ..... 12 p1850 N91-20171 #
AD-A230753 ..... 12 p1983 N91-20911 #
AD-A230755 ..... 12 p1958 N91-20772 #
AD-A230756 ..... 12 p2007 N91-21050 #
AD-A230758 ..... 12 p1991 N91-20959 #
AD-A230761 ..... 10 p1457 N91-18035 #
AD-A230766 ..... 12 p1888 N91-20381 #
AD-A230771 ..... 13 p2168 N91-21963 #
AD-A230774 ..... 12 p1888 N91-20382 #
AD-A230780 ..... 12 p1958 N91-20773 #
AD-A230792 ..... 12 p1918 N91-20551 #
AD-A230793 ..... 12 p1967 N91-20827 #
AD-A230795 ..... 09 p1273 N91-16998 #
AD-A230804 ..... 12 p1991 N91-20960 #
AD-A230805 ..... 12 p1893 N91-20413 #
AD-A230810 ..... 13 p2056 N91-21317 #
AD-A230811 ..... 13 p2124 N91-21688 #
AD-A230812 ..... 13 p2144 N91-21809 #
AD-A230813 ..... 13 p2134 N91-21752 #
AD-A230814 ..... 13 p2135 N91-21753 #
AD-A230817 ..... 13 p2092 N91-21519 #
AD-A230818 ..... 13 p2130 N91-21726 #
AD-A230823 ..... 13 p2076 N91-21437 #
AD-A230825 ..... 13 p2046 N91-21256 #
AD-A230826 ..... 13 p2021 N91-21118 #
AD-A230834 ..... 13 p2154 N91-21874 #
AD-A230835 ..... 13 p2118 N91-21657 #
AD-A230836 ..... 13 p2169 N91-21969 #
AD-A230838 ..... 13 p2076 N91-21438 #
AD-A230839 ..... 13 p2056 N91-21318 #
AD-A230846 ..... 13 p2071 N91-21408 #
AD-A230847 ..... 13 p2139 N91-21775 #
AD-A230848 ..... 13 p2071 N91-21409 #
AD-A230849 ..... 12 p1905 N91-20482 #
AD-A230850 ..... 13 p2026 N91-21141 #
AD-A230851 ..... 13 p2121 N91-21675 #
AD-A230853 ..... 13 p2046 N91-21257 #
AD-A230854 ..... 13 p2150 N91-21852 #
AD-A230858 ..... 14 p2193 N91-22114 #
AD-A230864 ..... 13 p2146 N91-21820 #
AD-A230868 ..... 13 p2024 N91-21136 #
AD-A230871 ..... 07 p0980 N91-15380 #
AD-A230872 ..... 13 p2058 N91-21326 #
AD-A230873 ..... 07 p0961 N91-15293 #
AD-A230874 ..... 13 p2169 N91-21970 #
AD-A230876 ..... 05 p0614 N91-13406* #
AD-A230880 ..... 13 p2148 N91-21836 #
AD-A230881 ..... 13 p2128 N91-21711 #
AD-A230883 ..... 15 p2489 N91-23782 #
AD-A230886 ..... 13 p2124 N91-21689 #
AD-A230897 ..... 13 p2092 N91-21520 #
AD-A230899 ..... 13 p2099 N91-21555 #
AD-A230900 ..... 13 p2053 N91-21298 #
AD-A230903 ..... 13 p2053 N91-21299 #
AD-A230910 ..... 13 p2093 N91-21521 #
AD-A230911 ..... 13 p2151 N91-21853 #

AD-A230938 ..... 13 p2105 N91-21588 #
AD-A230951 ..... 13 p2071 N91-21410 #
AD-A230954 ..... 13 p2161 N91-21917 #
AD-A230955 ..... 13 p2072 N91-21411 #
AD-A230956 ..... 13 p2151 N91-21854 #
AD-A230964 ..... 13 p2154 N91-21875 #
AD-A230965 ..... 13 p2089 N91-21499 #
AD-A230966 ..... 13 p2057 N91-21319 #
AD-A230967 ..... 13 p2082 N91-21475 #
AD-A230973 ..... 13 p2058 N91-21327 #
AD-A230982 ..... 13 p2072 N91-21412 #
AD-A230983 ..... 13 p2033 N91-21178 #
AD-A230988 ..... 13 p2093 N91-21522 #
AD-A230989 ..... 13 p2050 N91-21281 #
AD-A230995 ..... 13 p2024 N91-21133 #
AD-A230998 ..... 13 p2077 N91-21439 #
AD-A230999 ..... 13 p2053 N91-21300 #
AD-A231000 ..... 13 p2169 N91-21971 #
AD-A231001 ..... 13 p2169 N91-21972 #
AD-A231003 ..... 13 p2098 N91-21547 #
AD-A231006 ..... 13 p2077 N91-21440 #
AD-A231014 ..... 13 p2090 N91-21500 #
AD-A231019 ..... 13 p2135 N91-21754 #
AD-A231020 ..... 13 p2058 N91-21328 #
AD-A231022 ..... 20 p3423 N91-28985 #
AD-A231023 ..... 13 p2154 N91-21876 #
AD-A231025 ..... 13 p2130 N91-21727 #
AD-A231026 ..... 13 p2182 N91-22058 #
AD-A231027 ..... 13 p2046 N91-21258 #
AD-A231028 ..... 13 p2021 N91-21119 #
AD-A231029 ..... 13 p2047 N91-21259 #
AD-A231030 ..... 13 p2135 N91-21755 #
AD-A231031 ..... 13 p2072 N91-21413 #
AD-A231033 ..... 13 p2093 N91-21523 #
AD-A231044 ..... 13 p2161 N91-21918 #
AD-A231045 ..... 13 p2050 N91-21282 #
AD-A231046 ..... 13 p2161 N91-21919 #
AD-A231047 ..... 13 p2161 N91-21920 #
AD-A231048 ..... 13 p2090 N91-21501 #
AD-A231049 ..... 14 p2304 N91-22733 #
AD-A231053 ..... 13 p2072 N91-21414 #
AD-A231054 ..... 13 p2072 N91-21415 #
AD-A231058 ..... 13 p2124 N91-21690 #
AD-A231062 ..... 13 p2151 N91-21855 #
AD-A231072 ..... 13 p2057 N91-21320 #
AD-A231073 ..... 13 p2083 N91-21476 #
AD-A231077 ..... 13 p2029 N91-21158 #
AD-A231079 ..... 14 p2320 N91-22816 #
AD-A231080 ..... 13 p2144 N91-21810 #
AD-A231081 ..... 13 p2124 N91-21691 #
AD-A231086 ..... 13 p2155 N91-21877 #
AD-A231088 ..... 13 p2127 N91-21706 #
AD-A231094 ..... 13 p2127 N91-21707 #
AD-A231095 ..... 13 p2051 N91-21283 #
AD-A231096 ..... 13 p2124 N91-21692 #
AD-A231107 ..... 13 p2142 N91-21792 #
AD-A231109 ..... 14 p2299 N91-22707 #
AD-A231110 ..... 13 p2135 N91-21756 #
AD-A231114 ..... 20 p3395 N91-28820 #
AD-A231115 ..... 13 p2151 N91-21856 #
AD-A231119 ..... 14 p2259 N91-22496 #
AD-A231120 ..... 13 p2122 N91-21676 #
AD-A231121 ..... 13 p2122 N91-21677 #
AD-A231122 ..... 13 p2148 N91-21837 #
AD-A231124 ..... 13 p2149 N91-21838 #
AD-A231125 ..... 13 p2162 N91-21921 #
AD-A231135 ..... 13 p2124 N91-21693 #
AD-A231148 ..... 08 p1192 N91-16553 #
AD-A231150 ..... 14 p2340 N91-22940 #
AD-A231151 ..... 13 p2122 N91-21678 #
AD-A231152 ..... 13 p2122 N91-21679 #
AD-A231153 ..... 13 p2077 N91-21441 #
AD-A231154 ..... 13 p2151 N91-21857 #
AD-A231157 ..... 13 p2162 N91-21922 #
AD-A231158 ..... 14 p2198 N91-22137 #
AD-A231159 ..... 14 p2287 N91-22648 #
AD-A231162 ..... 14 p2287 N91-22649 #
AD-A231163 ..... 14 p2285 N91-22636 #
AD-A231164 ..... 15 p2456 N91-23610 #
AD-A231165 ..... 13 p2169 N91-21973 #
AD-A231166 ..... 13 p2111 N91-21623 #
AD-A231167 ..... 14 p2280 N91-22610 #
AD-A231171 ..... 13 p2135 N91-21757 #
AD-A231182 ..... 13 p2146 N91-21821 #
AD-A231185 ..... 13 p2127 N91-21708 #
AD-A231186 ..... 13 p2122 N91-21680 #
AD-A231188 ..... 13 p2144 N91-21806 #
AD-A231191 ..... 13 p2022 N91-21124 #
AD-A231196 ..... 13 p2093 N91-21524 #
AD-A231203 ..... 13 p2073 N91-21416 #
AD-A231205 ..... 13 p2083 N91-21477 #
AD-A231209 ..... 13 p2051 N91-21284 #
AD-A231220 ..... 13 p2135 N91-21758 #
AD-A231226 ..... 13 p2136 N91-21759 #
AD-A231227 ..... 13 p2077 N91-21442 #
AD-A231230 ..... 13 p2183 N91-22061 #
AD-A231243 ..... 13 p2153 N91-21867 #
AD-A231244 ..... 13 p2162 N91-21923 #
AD-A231246 ..... 15 p2435 N91-23489 #
AD-A231247 ..... 13 p2122 N91-21681 #
AD-A231248 ..... 13 p2051 N91-21285 #
AD-A231249 ..... 13 p2142 N91-21793 #
AD-A231250 ..... 13 p2129 N91-21721 #
AD-A231258 ..... 13 p2136 N91-21760 #
AD-A231259 ..... 13 p2021 N91-21120 #
AD-A231260 ..... 13 p2026 N91-21142 #
AD-A231263 ..... 13 p2083 N91-21478 #
AD-A231264 ..... 13 p2162 N91-21924 #
AD-A231265 ..... 13 p2098 N91-21548 #
AD-A231273 ..... 13 p2142 N91-21794 #
AD-A231275 ..... 13 p2151 N91-21858 #
AD-A231276 ..... 13 p2136 N91-21761 #
AD-A231282 ..... 13 p2136 N91-21762 #
AD-A231285 ..... 13 p2083 N91-21479 #
AD-A231286 ..... 13 p2083 N91-21480 #
AD-A231289 ..... 13 p2127 N91-21709 #
AD-A231290 ..... 13 p2136 N91-21763 #
AD-A231292 ..... 09 p1321 N91-17253 #
AD-A231293 ..... 13 p2057 N91-21321 #
AD-A231311 ..... 13 p2136 N91-21764 #
AD-A231315 ..... 13 p2098 N91-21549 #
AD-A231317 ..... 13 p2149 N91-21839 #
AD-A231318 ..... 13 p2073 N91-21417 #
AD-A231320 ..... 13 p2077 N91-21443 #
AD-A231324 ..... 13 p2098 N91-21550 #
AD-A231325 ..... 11 p1714 N91-19435* #
AD-A231327 ..... 13 p2162 N91-21925 #
AD-A231329 ..... 15 p2430 N91-23459 #
AD-A231336 ..... 07 p0936 N91-15128* #
AD-A231338 ..... 13 p2162 N91-21926 #
AD-A231339 ..... 13 p2057 N91-21322 #
AD-A231340 ..... 13 p2058 N91-21329 #
AD-A231342 ..... 13 p2083 N91-21481 #
AD-A231343 ..... 13 p2084 N91-21482 #
AD-A231344 ..... 14 p2323 N91-22829 #
AD-A231346 ..... 13 p2153 N91-21868 #
AD-A231348 ..... 13 p2163 N91-21927 #
AD-A231349 ..... 13 p2163 N91-21928 #
AD-A231350 ..... 13 p2054 N91-21301 #
AD-A231351 ..... 13 p2105 N91-21589 #
AD-A231353 ..... 13 p2026 N91-21143 #
AD-A231355 ..... 13 p2128 N91-21710 #
AD-A231359 ..... 13 p2130 N91-21722 #
AD-A231366 ..... 13 p2155 N91-21878 #
AD-A231372 ..... 13 p2137 N91-21765 #
AD-A231373 ..... 13 p2118 N91-21658 #
AD-A231377 ..... 13 p2123 N91-21682 #
AD-A231383 ..... 13 p2068 N91-21392 #
AD-A231386 ..... 13 p2084 N91-21483 #
AD-A231389 ..... 15 p2400 N91-23289 #
AD-A231394 ..... 14 p2291 N91-22672 #
AD-A231396 ..... 14 p2256 N91-22476 #
AD-A231397 ..... 14 p2297 N91-22698 #
AD-A231401 ..... 14 p2256 N91-22477 #
AD-A231404 ..... 15 p2481 N91-23732 #
AD-A231405 ..... 13 p2137 N91-21766 #
AD-A231406 ..... 13 p2137 N91-21767 #
AD-A231416 ..... 14 p2327 N91-22854 #
AD-A231419 ..... 14 p2288 N91-22650 #
AD-A231423 ..... 14 p2239 N91-22385 #
AD-A231424 ..... 14 p2193 N91-22115 #
AD-A231425 ..... 14 p2285 N91-22637 #
AD-A231427 ..... 14 p2195 N91-22124 #
AD-A231428 ..... 14 p2256 N91-22478 #
AD-A231433 ..... 14 p2305 N91-22734 #
AD-A231435 ..... 14 p2252 N91-22461 #
AD-A231438 ..... 13 p2163 N91-21929 #
AD-A231461 ..... 13 p2068 N91-21393 #
AD-A231464 ..... 13 p2163 N91-21930 #
AD-A231465 ..... 13 p2169 N91-21974 #
AD-A231482 ..... 13 p2044 N91-21241 #
AD-A231483 ..... 14 p2187 N91-22081 #
AD-A231484 ..... 14 p2271 N91-22563 #
AD-A231490 ..... 14 p2198 N91-22138 #
AD-A231492 ..... 13 p2098 N91-21551 #
AD-A231493 ..... 14 p2243 N91-22405 #
AD-A231495 ..... 13 p2073 N91-21418 #
AD-A231497 ..... 13 p2073 N91-21419 #
AD-A231498 ..... 09 p1285 N91-17065* #
AD-A231499 ..... 13 p2149 N91-21840 #
AD-A231501 ..... 13 p2058 N91-21330 #
AD-A231502 ..... 14 p2253 N91-22462 #
AD-A231506 ..... 14 p2305 N91-22735 #
AD-A231507 ..... 14 p2233 N91-22354 #
AD-A231512 ..... 14 p2248 N91-22438 #
AD-A231514 ..... 14 p2207 N91-22186 #
AD-A231517 ..... 14 p2305 N91-22736 #
AD-A231518 ..... 14 p2259 N91-22497 #
AD-A231519 ..... 14 p2239 N91-22386 #
AD-A231520 ..... 14 p2259 N91-22498 #
AD-A231524 ..... 14 p2321 N91-22820 #
AD-A231532 ..... 08 p1104 N91-16063* #

AD-A231540 ..... 14 p2233 N91-22355 #
AD-A231551 ..... 14 p2256 N91-22479 #
AD-A231552 ..... 14 p2233 N91-22356 #
AD-A231553 ..... 13 p2163 N91-21931 #
AD-A231555 ..... 13 p2057 N91-21323 #
AD-A231558 ..... 13 p2130 N91-21723 #
AD-A231560 ..... 13 p2041 N91-21227 #
AD-A231564 ..... 08 p1091 N91-15991* #
AD-A231565 ..... 08 p1092 N91-15994* #
AD-A231566 ..... 08 p1211 N91-16664* #
AD-A231567 ..... 13 p2123 N91-21683 #
AD-A231568 ..... 13 p2163 N91-21932 #
AD-A231572 ..... 15 p2477 N91-23717 #
AD-A231578 ..... 14 p2276 N91-22590 #
AD-A231583 ..... 13 p2073 N91-21420 #
AD-A231584 ..... 13 p2137 N91-21768 #
AD-A231585 ..... 13 p2041 N91-21228 #
AD-A231586 ..... 13 p2077 N91-21444 #
AD-A231588 ..... 13 p2028 N91-21153 #
AD-A231589 ..... 13 p2073 N91-21421 #
AD-A231592 ..... 13 p2111 N91-21624 #
AD-A231596 ..... 13 p2118 N91-21659 #
AD-A231597 ..... 13 p2074 N91-21422 #
AD-A231598 ..... 13 p2118 N91-21660 #
AD-A231599 ..... 13 p2074 N91-21423 #
AD-A231601 ..... 13 p2123 N91-21684 #
AD-A231604 ..... 13 p2078 N91-21445 #
AD-A231605 ..... 13 p2145 N91-21811 #
AD-A231606 ..... 13 p2163 N91-21933 #
AD-A231607 ..... 13 p2155 N91-21879 #
AD-A231612 ..... 13 p2125 N91-21694 #
AD-A231620 ..... 13 p2090 N91-21502 #
AD-A231621 ..... 13 p2084 N91-21484 #
AD-A231628 ..... 13 p2125 N91-21695 #
AD-A231631 ..... 14 p2253 N91-22463 #
AD-A231633 ..... 13 p2074 N91-21424 #
AD-A231634 ..... 15 p2458 N91-23622 #
AD-A231636 ..... 13 p2164 N91-21934 #
AD-A231637 ..... 13 p2047 N91-21260 #
AD-A231638 ..... 13 p2151 N91-21859 #
AD-A231639 ..... 13 p2137 N91-21769 #
AD-A231641 ..... 12 p1959 N91-20781 #
AD-A231642 ..... 12 p1959 N91-20780 #
AD-A231651 ..... 14 p2353 N91-23015 #
AD-A231654 ..... 14 p2292 N91-22673 #
AD-A231658 ..... 15 p2364 N91-23079 #
AD-A231661 ..... 14 p2323 N91-22831 #
AD-A231666 ..... 14 p2271 N91-22564 #
AD-A231667 ..... 14 p2243 N91-22406 #
AD-A231668 ..... 14 p2259 N91-22499 #
AD-A231672 ..... 14 p2249 N91-22439 #
AD-A231675 ..... 14 p2249 N91-22440 #
AD-A231676 ..... 14 p2323 N91-22832 #
AD-A231693 ..... 14 p2239 N91-22387 #
AD-A231696 ..... 14 p2330 N91-22876 #
AD-A231697 ..... 14 p2236 N91-22369 #
AD-A231698 ..... 16 p2664 N91-24738 #
AD-A231699 ..... 14 p2254 N91-22469 #
AD-A231704 ..... 14 p2286 N91-22638 #
AD-A231713 ..... 14 p2331 N91-22877 #
AD-A231714 ..... 16 p2663 N91-24729 #
AD-A231715 ..... 14 p2288 N91-22651 #
AD-A231717 ..... 14 p2263 N91-22521 #
AD-A231718 ..... 14 p2292 N91-22674 #
AD-A231720 ..... 14 p2240 N91-22388 #
AD-A231721 ..... 14 p2185 N91-22068 #
AD-A231725 ..... 06 p0838 N91-14632* #
AD-A231726 ..... 08 p1145 N91-16304* #
AD-A231727 ..... 11 p1701 N91-19369* #
AD-A231735 ..... 14 p2269 N91-22552 #
AD-A231736 ..... 14 p2286 N91-22639 #
AD-A231738 ..... 14 p2271 N91-22565 #
AD-A231742 ..... 08 p1240 N91-16833 #
AD-A231750 ..... 14 p2243 N91-22407 #
AD-A231752 ..... 14 p2305 N91-22737 #
AD-A231753 ..... 14 p2305 N91-22738 #
AD-A231754 ..... 14 p2305 N91-22739 #
AD-A231755 ..... 14 p2306 N91-22740 #
AD-A231756 ..... 14 p2292 N91-22675 #
AD-A231759 ..... 16 p2664 N91-24739 #
AD-A231761 ..... 14 p2264 N91-22522 #
AD-A231764 ..... 14 p2322 N91-22825 #
AD-A231772 ..... 14 p2298 N91-22705 #
AD-A231773 ..... 14 p2340 N91-22941 #
AD-A231774 ..... 14 p2299 N91-22708 #
AD-A231776 ..... 14 p2292 N91-22676 #
AD-A231778 ..... 14 p2240 N91-22389 #
AD-A231782 ..... 14 p2259 N91-22500 #
AD-A231798 ..... 14 p2299 N91-22709 #
AD-A231799 ..... 14 p2260 N91-22501 #
AD-A231801 ..... 14 p2321 N91-22817 #
AD-A231802 ..... 14 p2249 N91-22441 #
AD-A231804 ..... 14 p2286 N91-22640 #
AD-A231805 ..... 14 p2306 N91-22741 #
AD-A231809 ..... 14 p2256 N91-22480 #
AD-A231810 ..... 14 p2341 N91-22942 #
AD-A231819 ..... 14 p2273 N91-22574 #
AD-A231820 ..... 14 p2331 N91-22878 #
AD-A231821 ..... 14 p2243 N91-22408 #
AD-A231822 ..... 14 p2331 N91-22879 #
AD-A231824 ..... 14 p2269 N91-22553 #
AD-A231825 ..... 14 p2257 N91-22481 #
AD-A231830 ..... 14 p2245 N91-22422 #
AD-A231831 ..... 14 p2306 N91-22742 #
AD-A231835 ..... 14 p2317 N91-22798 #
AD-A231836 ..... 14 p2264 N91-22523 #
AD-A231848 ..... 14 p2331 N91-22880 #
AD-A231849 ..... 14 p2306 N91-22743 #
AD-A231857 ..... 14 p2246 N91-22423 #
AD-A231859 ..... 14 p2306 N91-22744 #
AD-A231860 ..... 14 p2307 N91-22745 #
AD-A231878 ..... 14 p2341 N91-22943 #
AD-A231879 ..... 14 p2269 N91-22554 #
AD-A231882 ..... 14 p2307 N91-22746 #
AD-A231883 ..... 14 p2240 N91-22390 #
AD-A231884 ..... 14 p2240 N91-22391 #
AD-A231885 ..... 14 p2299 N91-22706 #
AD-A231887 ..... 14 p2300 N91-22710 #
AD-A231888 ..... 14 p2307 N91-22747 #
AD-A231892 ..... 14 p2240 N91-22392 #
AD-A231893 ..... 14 p2257 N91-22482 #
AD-A231897 ..... 14 p2257 N91-22483 #
AD-A231898 ..... 14 p2323 N91-22833 #
AD-A231899 ..... 14 p2195 N91-22125 #
AD-A231903 ..... 14 p2307 N91-22748 #
AD-A231904 ..... 14 p2292 N91-22677 #
AD-A231906 ..... 14 p2246 N91-22424 #
AD-A231908 ..... 14 p2267 N91-22543 #
AD-A231909 ..... 14 p2277 N91-22591 #
AD-A231912 ..... 14 p2240 N91-22393 #
AD-A231913 ..... 14 p2246 N91-22425 #
AD-A231914 ..... 14 p2307 N91-22749 #
AD-A231915 ..... 14 p2267 N91-22544 #
AD-A231917 ..... 14 p2292 N91-22678 #
AD-A231921 ..... 14 p2243 N91-22409 #
AD-A231923 ..... 14 p2249 N91-22442 #
AD-A231924 ..... 14 p2328 N91-22861 #
AD-A231926 ..... 14 p2286 N91-22641 #
AD-A231928 ..... 14 p2267 N91-22545 #
AD-A231929 ..... 14 p2196 N91-22130 #
AD-A231933 ..... 14 p2293 N91-22679 #
AD-A231934 ..... 14 p2249 N91-22443 #
AD-A231936 ..... 15 p2461 N91-23635 #
AD-A231938 ..... 14 p2277 N91-22592 #
AD-A231943 ..... 14 p2249 N91-22444 #
AD-A231945 ..... 14 p2240 N91-22394 #
AD-A231946 ..... 14 p2188 N91-22082 #
AD-A231953 ..... 14 p2342 N91-22950 #
AD-A231955 ..... 14 p2308 N91-22750 #
AD-A231956 ..... 14 p2233 N91-22357 #
AD-A231957 ..... 14 p2331 N91-22881 #
AD-A231958 ..... 14 p2249 N91-22445 #
AD-A231964 ..... 14 p2241 N91-22395 #
AD-A231968 ..... 14 p2308 N91-22751 #
AD-A231988 ..... 14 p2249 N91-22446 #
AD-A231989 ..... 14 p2250 N91-22447 #
AD-A231990 ..... 14 p2257 N91-22484 #
AD-A231991 ..... 14 p2277 N91-22593 #
AD-A231993 ..... 14 p2206 N91-22184 #
AD-A231995 ..... 14 p2317 N91-22799 #
AD-A232006 ..... 14 p2332 N91-22882 #
AD-A232012 ..... 16 p2697 N91-24937 #
AD-A232013 ..... 15 p2389 N91-23225 #
AD-A232014 ..... 15 p2485 N91-23760 #
AD-A232015 ..... 15 p2485 N91-23761 #
AD-A232016 ..... 15 p2389 N91-23226 #
AD-A232019 ..... 15 p2485 N91-23762 #
AD-A232020 ..... 15 p2410 N91-23342 #
AD-A232023 ..... 15 p2447 N91-23554 #
AD-A232024 ..... 15 p2375 N91-23141 #
AD-A232028 ..... 15 p2486 N91-23763 #
AD-A232031 ..... 15 p2391 N91-23235 #
AD-A232032 ..... 15 p2486 N91-23764 #
AD-A232033 ..... 15 p2474 N91-23706 #
AD-A232034 ..... 15 p2406 N91-23322 #
AD-A232035 ..... 15 p2517 N91-23950 #
AD-A232036 ..... 15 p2508 N91-23896 #
AD-A232037 ..... 15 p2508 N91-23897 #
AD-A232039 ..... 16 p2678 N91-24821 #
AD-A232040 ..... 15 p2413 N91-23364 #
AD-A232041 ..... 10 p1472 N91-18110 #
AD-A232042 ..... 16 p2689 N91-24883 #
AD-A232043 ..... 15 p2398 N91-23279 #
AD-A232053 ..... 15 p2447 N91-23555 #
AD-A232055 ..... 15 p2375 N91-23145 #
AD-A232057 ..... 16 p2661 N91-24724 #
AD-A232058 ..... 15 p2375 N91-23142 #
AD-A232061 ..... 10 p1517 N91-18351 #
AD-A232063 ..... 15 p2419 N91-23398 #
AD-A232064 ..... 15 p2486 N91-23765 #
AD-A232065 ..... 15 p2524 N91-23992 #
AD-A232071 ..... 16 p2605 N91-24432 #

AD-A232074 ..... 15 p2517 N91-23951 #
AD-A232075 ..... 16 p2667 N91-24760 #
AD-A232079 ..... 08 p1146 N91-16306* #
AD-A232080 ..... 08 p1092 N91-15995* #
AD-A232081 ..... 08 p1092 N91-15996* #
AD-A232082 ..... 08 p1145 N91-16305* #
AD-A232088 ..... 15 p2419 N91-23399 #
AD-A232089 ..... 15 p2486 N91-23766 #
AD-A232090 ..... 15 p2525 N91-23993 #
AD-A232091 ..... 15 p2419 N91-23400 #
AD-A232092 ..... 15 p2486 N91-23767 #
AD-A232093 ..... 15 p2486 N91-23768 #
AD-A232096 ..... 15 p2520 N91-23968 #
AD-A232097 ..... 15 p2389 N91-23227 #
AD-A232098 ..... 15 p2395 N91-23263 #
AD-A232100 ..... 15 p2508 N91-23898 #
AD-A232101 ..... 15 p2427 N91-23445 #
AD-A232106 ..... 15 p2469 N91-23681 #
AD-A232107 ..... 15 p2433 N91-23480 #
AD-A232108 ..... 15 p2473 N91-23699 #
AD-A232112 ..... 15 p2480 N91-23728 #
AD-A232113 ..... 15 p2525 N91-23994 #
AD-A232114 ..... 15 p2481 N91-23729 #
AD-A232116 ..... 05 p0672 N91-13737* #
AD-A232117 ..... 15 p2508 N91-23899 #
AD-A232120 ..... 15 p2517 N91-23952 #
AD-A232121 ..... 15 p2496 N91-23826 #
AD-A232122 ..... 15 p2433 N91-23481 #
AD-A232123 ..... 15 p2464 N91-23655 #
AD-A232124 ..... 15 p2390 N91-23228 #
AD-A232125 ..... 15 p2413 N91-23365 #
AD-A232126 ..... 15 p2375 N91-23146 #
AD-A232129 ..... 15 p2427 N91-23446 #
AD-A232132 ..... 15 p2413 N91-23366 #
AD-A232133 ..... 15 p2398 N91-23280 #
AD-A232135 ..... 15 p2517 N91-23953 #
AD-A232137 ..... 15 p2428 N91-23447 #
AD-A232138 ..... 15 p2396 N91-23264 #
AD-A232140 ..... 15 p2494 N91-23814 #
AD-A232147 ..... 12 p1959 N91-20779 #
AD-A232148 ..... 15 p2414 N91-23367 #
AD-A232150 ..... 15 p2398 N91-23281 #
AD-A232152 ..... 15 p2517 N91-23954 #
AD-A232153 ..... 15 p2508 N91-23900 #
AD-A232154 ..... 15 p2398 N91-23282 #
AD-A232155 ..... 15 p2406 N91-23323 #
AD-A232158 ..... 15 p2428 N91-23448 #
AD-A232160 ..... 15 p2518 N91-23955 #
AD-A232162 ..... 15 p2414 N91-23368 #
AD-A232221 ..... 15 p2475 N91-23707 #
AD-A232222 ..... 15 p2464 N91-23656 #
AD-A232223 ..... 15 p2500 N91-23847 #
AD-A232224 ..... 15 p2440 N91-23517 #
AD-A232227 ..... 15 p2440 N91-23518 #
AD-A232230 ..... 15 p2410 N91-23343 #
AD-A232236 ..... 15 p2399 N91-23283 #
AD-A232237 ..... 15 p2428 N91-23449 #
AD-A232238 ..... 15 p2396 N91-23265 #
AD-A232240 ..... 15 p2433 N91-23482 #
AD-A232245 ..... 15 p2494 N91-23815 #
AD-A232246 ..... 15 p2495 N91-23816 #
AD-A232247 ..... 15 p2487 N91-23769 #
AD-A232248 ..... 15 p2471 N91-23689 #
AD-A232286 ..... 15 p2419 N91-23401 #
AD-A232287 ..... 15 p2487 N91-23770 #
AD-A232288 ..... 16 p2668 N91-24761 #
AD-A232289 ..... 15 p2414 N91-23369 #
AD-A232290 ..... 15 p2414 N91-23370 #
AD-A232291 ..... 15 p2414 N91-23371 #
AD-A232331 ..... 15 p2419 N91-23402 #
AD-A232332 ..... 15 p2433 N91-23483 #
AD-A232334 ..... 15 p2495 N91-23817 #
AD-A232335 ..... 15 p2434 N91-23484 #
AD-A232336 ..... 15 p2420 N91-23403 #
AD-A232342 ..... 15 p2399 N91-23284 #
AD-A232345 ..... 15 p2402 N91-23303 #
AD-A232352 ..... 15 p2414 N91-23372 #
AD-A232353 ..... 15 p2492 N91-23797 #
AD-A232354 ..... 15 p2495 N91-23818 #
AD-A232356 ..... 15 p2406 N91-23324 #
AD-A232368 ..... 15 p2518 N91-23956 #
AD-A232370 ..... 15 p2489 N91-23781 #
AD-A232371 ..... 15 p2415 N91-23373 #
AD-A232372 ..... 15 p2464 N91-23657 #
AD-A232377 ..... 15 p2383 N91-23193 #
AD-A232379 ..... 15 p2518 N91-23957 #
AD-A232384 ..... 15 p2402 N91-23304 #
AD-A232389 ..... 15 p2476 N91-23712 #
AD-A232390 ..... 16 p2694 N91-24913 #
AD-A232393 ..... 15 p2408 N91-23335 #
AD-A232405 ..... 15 p2366 N91-23093 #
AD-A232407 ..... 15 p2505 N91-23878 #
AD-A232411 ..... 15 p2434 N91-23485 #
AD-A232412 ..... 16 p2680 N91-24834 #
AD-A232419 ..... 15 p2518 N91-23958 #
AD-A232420 ..... 15 p2471 N91-23690 #
AD-A232421 ..... 15 p2415 N91-23374 #
AD-A232422 ..... 15 p2375 N91-23143 #
AD-A232425 ..... 15 p2469 N91-23682 #
AD-A232446 ..... 15 p2440 N91-23519 #
AD-A232448 ..... 15 p2495 N91-23819 #
AD-A232452 ..... 15 p2505 N91-23879 #
AD-A232457 ..... 16 p2558 N91-24191 #
AD-A232458 ..... 15 p2526 N91-24000 #
AD-A232465 ..... 15 p2420 N91-23404 #
AD-A232466 ..... 15 p2415 N91-23375 #
AD-A232467 ..... 15 p2415 N91-23376 #
AD-A232468 ..... 15 p2465 N91-23658 #
AD-A232473 ..... 15 p2403 N91-23305 #
AD-A232483 ..... 15 p2525 N91-23995 #
AD-A232484 ..... 15 p2525 N91-23996 #
AD-A232485 ..... 15 p2525 N91-23997 #
AD-A232497 ..... 15 p2431 N91-23469 #
AD-A232498 ..... 15 p2513 N91-23930 #
AD-A232503 ..... 15 p2465 N91-23659 #
AD-A232506 ..... 16 p2619 N91-24502 #
AD-A232523 ..... 15 p2406 N91-23325 #
AD-A232526 ..... 15 p2476 N91-23713 #
AD-A232544 ..... 15 p2403 N91-23306 #
AD-A232546 ..... 15 p2447 N91-23556 #
AD-A232549 ..... 15 p2375 N91-23144 #
AD-A232550 ..... 15 p2403 N91-23307 #
AD-A232552 ..... 15 p2508 N91-23901 #
AD-A232553 ..... 15 p2391 N91-23236 #
AD-A232554 ..... 15 p2481 N91-23730 #
AD-A232555 ..... 15 p2487 N91-23771 #
AD-A232557 ..... 09 p1286 N91-17069* #
AD-A232560 ..... 15 p2448 N91-23557 #
AD-A232605 ..... 15 p2487 N91-23772 #
AD-A232609 ..... 15 p2509 N91-23902 #
AD-A232610 ..... 15 p2428 N91-23450 #
AD-A232623 ..... 15 p2399 N91-23285 #
AD-A232624 ..... 15 p2505 N91-23880 #
AD-A232625 ..... 15 p2518 N91-23959 #
AD-A232628 ..... 15 p2448 N91-23558 #
AD-A232631 ..... 15 p2410 N91-23344 #
AD-A232632 ..... 15 p2420 N91-23405 #
AD-A232633 ..... 15 p2434 N91-23486 #
AD-A232634 ..... 15 p2496 N91-23827 #
AD-A232635 ..... 15 p2471 N91-23691 #
AD-A232637 ..... 10 p1524 N91-18390* #
AD-A232641 ..... 15 p2399 N91-23286 #
AD-A232642 ..... 15 p2409 N91-23336 #
AD-A232644 ..... 15 p2487 N91-23773 #
AD-A232649 ..... 15 p2506 N91-23888 #
AD-A232650 ..... 15 p2428 N91-23451 #
AD-A232652 ..... 09 p1392 N91-17659* #
AD-A232653 ..... 15 p2478 N91-23720 #
AD-A232654 ..... 15 p2428 N91-23452 #
AD-A232657 ..... 15 p2492 N91-23798 #
AD-A232658 ..... 15 p2396 N91-23266 #
AD-A232659 ..... 15 p2509 N91-23903 #
AD-A232660 ..... 15 p2363 N91-23076 #
AD-A232661 ..... 15 p2363 N91-23077 #
AD-A232662 ..... 15 p2407 N91-23326 #
AD-A232668 ..... 10 p1469 N91-18100 #
AD-A232668 ..... 15 p2369 N91-23106 #
AD-A232669 ..... 10 p1469 N91-18101 #
AD-A232671 ..... 15 p2385 N91-23198 #
AD-A232686 ..... 15 p2407 N91-23327 #
AD-A232688 ..... 15 p2514 N91-23931 #
AD-A232690 ..... 15 p2434 N91-23487 #
AD-A232692 ..... 15 p2429 N91-23453 #
AD-A232693 ..... 15 p2492 N91-23799 #
AD-A232695 ..... 15 p2518 N91-23960 #
AD-A232696 ..... 15 p2407 N91-23328 #
AD-A232697 ..... 15 p2448 N91-23559 #
AD-A232698 ..... 15 p2476 N91-23714 #
AD-A232699 ..... 15 p2475 N91-23708 #
AD-A232700 ..... 15 p2429 N91-23454 #
AD-A232701 ..... 15 p2495 N91-23820 #
AD-A232702 ..... 11 p1772 N91-19715* #
AD-A232703 ..... 15 p2509 N91-23904 #
AD-A232713 ..... 15 p2415 N91-23377 #
AD-A232714 ..... 15 p2366 N91-23094 #
AD-A232716 ..... 15 p2470 N91-23683 #
AD-A232721 ..... 15 p2478 N91-23721 #
AD-A232723 ..... 15 p2367 N91-23100 #
AD-A232724 ..... 15 p2415 N91-23378 #
AD-A232732 ..... 15 p2475 N91-23709 #
AD-A232733 ..... 15 p2416 N91-23379 #
AD-A232734 ..... 15 p2477 N91-23715 #
AD-A232737 ..... 15 p2396 N91-23267 #
AD-A232747 ..... 15 p2518 N91-23961 #
AD-A232754 ..... 15 p2448 N91-23560 #
AD-A232755 ..... 15 p2448 N91-23561 #
AD-A232756 ..... 15 p2448 N91-23562 #
AD-A232758 ..... 16 p2656 N91-24699 #
AD-A232761 ..... 15 p2396 N91-23268 #
AD-A232764 ..... 16 p2668 N91-24762 #
AD-A232767 ..... 15 p2509 N91-23905 #
AD-A232768 ..... 15 p2509 N91-23906 #

AD-A232769 ..... 15 p2403 N91-23308 #
AD-A232771 ..... 15 p2510 N91-23907 #
AD-A232776 ..... 15 p2470 N91-23684 #
AD-A232779 ..... 15 p2420 N91-23406 #
AD-A232780 ..... 15 p2492 N91-23800 #
AD-A232786 ..... 15 p2429 N91-23455 #
AD-A232787 ..... 15 p2478 N91-23722 #
AD-A232790 ..... 10 p1567 N91-18613* #
AD-A232793 ..... 16 p2610 N91-24453 #
AD-A232794 ..... 15 p2429 N91-23456 #
AD-A232795 ..... 17 p2739 N91-25160 #
AD-A232798 ..... 16 p2613 N91-24466 #
AD-A232799 ..... 15 p2477 N91-23716 #
AD-A232800 ..... 15 p2396 N91-23269 #
AD-A232801 ..... 15 p2505 N91-23881 #
AD-A232805 ..... 15 p2492 N91-23801 #
AD-A232810 ..... 15 p2492 N91-23802 #
AD-A232813 ..... 15 p2470 N91-23685 #
AD-A232814 ..... 15 p2478 N91-23723 #
AD-A232816 ..... 15 p2407 N91-23329 #
AD-A232819 ..... 15 p2519 N91-23962 #
AD-A232820 ..... 15 p2399 N91-23287 #
AD-A232822 ..... 15 p2492 N91-23803 #
AD-A232824 ..... 15 p2407 N91-23330 #
AD-A232828 ..... 15 p2519 N91-23963 #
AD-A232829 ..... 15 p2487 N91-23774 #
AD-A232830 ..... 11 p1772 N91-19716* #
AD-A232831 ..... 15 p2470 N91-23686 #
AD-A232837 ..... 15 p2408 N91-23331 #
AD-A232839 ..... 15 p2432 N91-23470 #
AD-A232843 ..... 15 p2432 N91-23471 #
AD-A232844 ..... 10 p1525 N91-18397* #
AD-A232845 ..... 15 p2465 N91-23660 #
AD-A232848 ..... 15 p2488 N91-23775 #
AD-A232852 ..... 15 p2510 N91-23908 #
AD-A232853 ..... 15 p2465 N91-23661 #
AD-A232855 ..... 16 p2620 N91-24503 #
AD-A232857 ..... 16 p2682 N91-24849 #
AD-A232861 ..... 13 p2130 N91-21724* #
AD-A232862 ..... 10 p1566 N91-18610* #
AD-A232863 ..... 11 p1697 N91-19345* #
AD-A232864 ..... 11 p1701 N91-19366* #
AD-A232867 ..... 16 p2682 N91-24850 #
AD-A232871 ..... 15 p2385 N91-23199 #
AD-A232875 ..... 16 p2624 N91-24529 #
AD-A232876 ..... 15 p2429 N91-23457 #
AD-A232880 ..... 15 p2399 N91-23288 #
AD-A232888 ..... 15 p2460 N91-23633 #
AD-A232889 ..... 15 p2510 N91-23909 #
AD-A232890 ..... 16 p2635 N91-24585 #
AD-A232891 ..... 16 p2682 N91-24851 #
AD-A232892 ..... 16 p2597 N91-24393 #
AD-A232898 ..... 16 p2683 N91-24852 #
AD-A232899 ..... 16 p2632 N91-24568 #
AD-A232902 ..... 16 p2624 N91-24530 #
AD-A232905 ..... 16 p2663 N91-24736 #
AD-A232907 ..... 16 p2557 N91-24187 #
AD-A232908 ..... 16 p2668 N91-24763 #
AD-A232911 ..... 16 p2605 N91-24433 #
AD-A232915 ..... 16 p2620 N91-24504 #
AD-A232916 ..... 16 p2624 N91-24531 #
AD-A232918 ..... 16 p2700 N91-24953 #
AD-A232934 ..... 16 p2661 N91-24725 #
AD-A232935 ..... 16 p2647 N91-24653 #
AD-A232940 ..... 16 p2678 N91-24822 #
AD-A232943 ..... 16 p2675 N91-24804 #
AD-A232945 ..... 16 p2680 N91-24840 #
AD-A232946 ..... 16 p2699 N91-24946 #
AD-A232947 ..... 16 p2675 N91-24805 #
AD-A232949 ..... 16 p2605 N91-24434 #
AD-A232950 ..... 16 p2694 N91-24914 #
AD-A232955 ..... 16 p2668 N91-24764 #
AD-A232957 ..... 13 p2143 N91-21796* #
AD-A232959 ..... 16 p2683 N91-24853 #
AD-A232961 ..... 16 p2605 N91-24435 #
AD-A232964 ..... 16 p2630 N91-24560 #
AD-A232965 ..... 16 p2600 N91-24410 #
AD-A232966 ..... 16 p2657 N91-24700 #
AD-A232967 ..... 16 p2601 N91-24411 #
AD-A232969 ..... 09 p1392 N91-17658* #
AD-A232970 ..... 16 p2704 N91-24967 #
AD-A232973 ..... 16 p2589 N91-24349 #
AD-A232975 ..... 16 p2657 N91-24701 #
AD-A232977 ..... 16 p2659 N91-24711 #
AD-A232978 ..... 17 p2812 N91-25543 #
AD-A232979 ..... 17 p2812 N91-25544 #
AD-A232980 ..... 17 p2813 N91-25545 #
AD-A232981 ..... 17 p2813 N91-25546 #
AD-A232982 ..... 17 p2813 N91-25547 #
AD-A232983 ..... 16 p2657 N91-24702 #
AD-A232984 ..... 07 p0962 N91-15295 #
AD-A232985 ..... 10 p1469 N91-18102 #
AD-A232987 ..... 10 p1472 N91-18112 #
AD-A232988 ..... 16 p2663 N91-24732 #
AD-A232989 ..... 22 p3678 N91-30480 #
AD-A232991 ..... 16 p2598 N91-24395 #
AD-A232992 ..... 16 p2598 N91-24396 #
AD-A232993 ..... 16 p2659 N91-24712 #
AD-A232995 ..... 16 p2673 N91-24794 #
AD-A232996 ..... 16 p2675 N91-24806 #
AD-A232997 ..... 16 p2647 N91-24655 #
AD-A233000 ..... 16 p2605 N91-24436 #
AD-A233001 ..... 16 p2681 N91-24841 #
AD-A233003 ..... 16 p2678 N91-24823 #
AD-A233004 ..... 16 p2692 N91-24902 #
AD-A233005 ..... 16 p2668 N91-24765 #
AD-A233008 ..... 16 p2659 N91-24713 #
AD-A233009 ..... 16 p2699 N91-24947 #
AD-A233010 ..... 16 p2675 N91-24807 #
AD-A233014 ..... 12 p1999 N91-21003 #
AD-A233023 ..... 16 p2659 N91-24714 #
AD-A233026 ..... 16 p2663 N91-24733 #
AD-A233030 ..... 16 p2675 N91-24808 #
AD-A233031 ..... 16 p2605 N91-24437 #
AD-A233032 ..... 16 p2598 N91-24397 #
AD-A233033 ..... 14 p2303 N91-22722* #
AD-A233034 ..... 16 p2606 N91-24438 #
AD-A233035 ..... 16 p2668 N91-24766 #
AD-A233038 ..... 16 p2632 N91-24570 #
AD-A233039 ..... 16 p2678 N91-24824 #
AD-A233040 ..... 16 p2559 N91-24197 #
AD-A233041 ..... 16 p2663 N91-24734 #
AD-A233042 ..... 16 p2663 N91-24735 #
AD-A233045 ..... 16 p2624 N91-24532 #
AD-A233047 ..... 16 p2687 N91-24872 #
AD-A233048 ..... 16 p2638 N91-24597 #
AD-A233053 ..... 16 p2669 N91-24767 #
AD-A233054 ..... 16 p2598 N91-24398 #
AD-A233056 ..... 16 p2692 N91-24903 #
AD-A233057 ..... 10 p1462 N91-18062* #
AD-A233060 ..... 16 p2689 N91-24884 #
AD-A233062 ..... 16 p2620 N91-24507 #
AD-A233064 ..... 16 p2689 N91-24885 #
AD-A233066 ..... 16 p2624 N91-24533 #
AD-A233068 ..... 16 p2689 N91-24886 #
AD-A233071 ..... 16 p2659 N91-24715 #
AD-A233074 ..... 16 p2676 N91-24809 #
AD-A233079 ..... 16 p2606 N91-24439 #
AD-A233081 ..... 16 p2681 N91-24842 #
AD-A233085 ..... 16 p2694 N91-24915 #
AD-A233106 ..... 16 p2625 N91-24534 #
AD-A233109 ..... 16 p2694 N91-24916 #
AD-A233110 ..... 16 p2620 N91-24508 #
AD-A233111 ..... 16 p2544 N91-24093 #
AD-A233112 ..... 16 p2678 N91-24825 #
AD-A233113 ..... 16 p2660 N91-24716 #
AD-A233114 ..... 16 p2669 N91-24768 #
AD-A233115 ..... 16 p2697 N91-24938 #
AD-A233122 ..... 16 p2669 N91-24769 #
AD-A233128 ..... 10 p1586 N91-18740* #
AD-A233129 ..... 16 p2606 N91-24440 #
AD-A233134 ..... 16 p2669 N91-24770 #
AD-A233141 ..... 16 p2683 N91-24854 #
AD-A233143 ..... 16 p2625 N91-24535 #
AD-A233145 ..... 16 p2669 N91-24771 #
AD-A233146 ..... 16 p2606 N91-24441 #
AD-A233150 ..... 16 p2625 N91-24536 #
AD-A233153 ..... 16 p2657 N91-24703 #
AD-A233155 ..... 16 p2666 N91-24748 #
AD-A233161 ..... 16 p2547 N91-24111 #
AD-A233164 ..... 16 p2625 N91-24537 #
AD-A233179 ..... 16 p2678 N91-24826 #
AD-A233180 ..... 16 p2679 N91-24827 #
AD-A233185 ..... 16 p2658 N91-24704 #
AD-A233193 ..... 16 p2601 N91-24412 #
AD-A233195 ..... 16 p2689 N91-24887 #
AD-A233197 ..... 16 p2647 N91-24656 #
AD-A233201 ..... 16 p2547 N91-24112 #
AD-A233202 ..... 11 p1651 N91-19102 #
AD-A233212 ..... 16 p2632 N91-24571 #
AD-A233221 ..... 17 p2734 N91-25141 #
AD-A233228 ..... 16 p2669 N91-24772 #
AD-A233229 ..... 16 p2694 N91-24917 #
AD-A233253 ..... 16 p2676 N91-24810 #
AD-A233258 ..... 16 p2589 N91-24350 #
AD-A233261 ..... 16 p2618 N91-24491 #
AD-A233263 ..... 16 p2606 N91-24442 #
AD-A233266 ..... 16 p2669 N91-24773 #
AD-A233268 ..... 16 p2658 N91-24705 #
AD-A233270 ..... 16 p2694 N91-24918 #
AD-A233273 ..... 16 p2632 N91-24572 #
AD-A233276 ..... 16 p2611 N91-24456 #
AD-A233291 ..... 16 p2620 N91-24509 #
AD-A233293 ..... 16 p2694 N91-24919 #
AD-A233294 ..... 16 p2658 N91-24706 #
AD-A233295 ..... 10 p1462 N91-18063* #
AD-A233298 ..... 16 p2680 N91-24835 #
AD-A233302 ..... 16 p2611 N91-24457 #
AD-A233306 ..... 16 p2664 N91-24741 #
AD-A233307 ..... 16 p2670 N91-24774 #
AD-A233310 ..... 16 p2606 N91-24443 #
AD-A233318 ..... 16 p2661 N91-24723 #

AD-A233320 ..... 16 p2651 N91-24672 #
AD-A233335 ..... 16 p2621 N91-24510 #
AD-A233340 ..... 16 p2664 N91-24737 #
AD-A233346 ..... 16 p2679 N91-24828 #
AD-A233347 ..... 16 p2598 N91-24399 #
AD-A233348 ..... 16 p2670 N91-24775 #
AD-A233349 ..... 16 p2558 N91-24188 #
AD-A233350 ..... 17 p2863 N91-25834 #
AD-A233371 ..... 16 p2613 N91-24467 #
AD-A233376 ..... 16 p2635 N91-24588 #
AD-A233385 ..... 16 p2670 N91-24776 #
AD-A233386 ..... 16 p2647 N91-24657 #
AD-A233387 ..... 16 p2683 N91-24855 #
AD-A233388 ..... 16 p2689 N91-24888 #
AD-A233390 ..... 16 p2621 N91-24511 #
AD-A233395 ..... 16 p2676 N91-24811 #
AD-A233400 ..... 16 p2589 N91-24351 #
AD-A233401 ..... 16 p2590 N91-24352 #
AD-A233404 ..... 16 p2606 N91-24444 #
AD-A233405 ..... 16 p2618 N91-24492 #
AD-A233410 ..... 18 p3043 N91-26799 #
AD-A233413 ..... 16 p2630 N91-24561 #
AD-A233418 ..... 16 p2621 N91-24512 #
AD-A233419 ..... 16 p2544 N91-24094 #
AD-A233424 ..... 16 p2638 N91-24598 #
AD-A233426 ..... 16 p2670 N91-24777 #
AD-A233427 ..... 16 p2621 N91-24513 #
AD-A233428 ..... 16 p2618 N91-24493 #
AD-A233429 ..... 16 p2670 N91-24778 #
AD-A233431 ..... 16 p2679 N91-24829 #
AD-A233436 ..... 16 p2613 N91-24468 #
AD-A233440 ..... 16 p2679 N91-24830 #
AD-A233441 ..... 16 p2611 N91-24458 #
AD-A233443 ..... 11 p1640 N91-19043* #
AD-A233451 ..... 16 p2590 N91-24353 #
AD-A233452 ..... 16 p2565 N91-24219 #
AD-A233453 ..... 13 p2080 N91-21457* #
AD-A233454 ..... 16 p2580 N91-24301 #
AD-A233465 ..... 16 p2689 N91-24889 #
AD-A233467 ..... 16 p2618 N91-24494 #
AD-A233468 ..... 16 p2690 N91-24890 #
AD-A233471 ..... 17 p2829 N91-25627 #
AD-A233472 ..... 16 p2673 N91-24795* #
AD-A233473 ..... 16 p2695 N91-24920 #
AD-A233478 ..... 13 p2079 N91-21451* #
AD-A233482 ..... 16 p2547 N91-24113 #
AD-A233483 ..... 16 p2547 N91-24114 #
AD-A233489 ..... 16 p2683 N91-24856 #
AD-A233492 ..... 19 p3146 N91-27387 #
AD-A233496 ..... 16 p2676 N91-24812 #
AD-A233506 ..... 16 p2670 N91-24779 #
AD-A233517 ..... 16 p2679 N91-24831 #
AD-A233520 ..... 16 p2676 N91-24813 #
AD-A233521 ..... 16 p2691 N91-24899 #
AD-A233522 ..... 16 p2670 N91-24780 #
AD-A233527 ..... 16 p2688 N91-24881 #
AD-A233528 ..... 16 p2700 N91-24954 #
AD-A233531 ..... 16 p2598 N91-24400 #
AD-A233533 ..... 16 p2690 N91-24891 #
AD-A233534 ..... 17 p2863 N91-25835 #
AD-A233535 ..... 16 p2606 N91-24445 #
AD-A233538 ..... 16 p2607 N91-24446 #
AD-A233541 ..... 16 p2695 N91-24921 #
AD-A233543 ..... 16 p2601 N91-24413 #
AD-A233545 ..... 16 p2590 N91-24354 #
AD-A233546 ..... 16 p2680 N91-24837 #
AD-A233557 ..... 16 p2671 N91-24781 #
AD-A233569 ..... 16 p2547 N91-24115 #
AD-A233574 ..... 16 p2647 N91-24658 #
AD-A233576 ..... 16 p2671 N91-24782 #
AD-A233577 ..... 16 p2671 N91-24783 #
AD-A233584 ..... 16 p2547 N91-24116 #
AD-A233585 ..... 16 p2685 N91-24871 #
AD-A233586 ..... 18 p3014 N91-26639 #
AD-A233587 ..... 16 p2590 N91-24355 #
AD-A233591 ..... 10 p1472 N91-18109 #
AD-A233592 ..... 16 p2671 N91-24784 #
AD-A233600 ..... 16 p2601 N91-24414 #
AD-A233601 ..... 16 p2665 N91-24742 #
AD-A233602 ..... 16 p2665 N91-24743 #
AD-A233610 ..... 16 p2548 N91-24117 #
AD-A233623 ..... 16 p2635 N91-24589 #
AD-A233624 ..... 16 p2618 N91-24495 #
AD-A233633 ..... 15 p2418 N91-23395 #
AD-A233636 ..... 16 p2676 N91-24814 #
AD-A233637 ..... 16 p2683 N91-24857 #
AD-A233651 ..... 18 p2996 N91-26545 #
AD-A233653 ..... 18 p3011 N91-26625 #
AD-A233655 ..... 18 p3038 N91-26769 #
AD-A233656 ..... 18 p3011 N91-26626 #
AD-A233659 ..... 22 p3729 N91-30757 #
AD-A233662 ..... 18 p3038 N91-26770 #
AD-A233663 ..... 18 p2971 N91-26402 #
AD-A233664 ..... 18 p3020 N91-26671 #
AD-A233666 ..... 18 p2972 N91-26408 #
AD-A233668 ..... 15 p2517 N91-23949 #
AD-A233671 ..... 18 p2983 N91-26469 #
AD-A233674 ..... 18 p2968 N91-26387 #
AD-A233682 ..... 15 p2418 N91-23394 #
AD-A233690 ..... 18 p3055 N91-26873 #
AD-A233692 ..... 10 p1515 N91-18340 #
AD-A233694 ..... 18 p2994 N91-26531 #
AD-A233696 ..... 18 p2972 N91-26409 #
AD-A233697 ..... 18 p3053 N91-26857 #
AD-A233700 ..... 18 p3034 N91-26748 #
AD-A233701 ..... 22 p3729 N91-30758 #
AD-A233702 ..... 18 p2945 N91-26244 #
AD-A233704 ..... 18 p3068 N91-26949 #
AD-A233706 ..... 18 p2945 N91-26245 #
AD-A233707 ..... 18 p3058 N91-26891 #
AD-A233712 ..... 16 p2557 N91-24186 #
AD-A233714 ..... 18 p3039 N91-26771 #
AD-A233716 ..... 18 p3003 N91-26586 #
AD-A233717 ..... 18 p2983 N91-26470 #
AD-A233719 ..... 18 p3063 N91-26919 #
AD-A233721 ..... 18 p3056 N91-26877 #
AD-A233722 ..... 18 p2973 N91-26410 #
AD-A233723 ..... 18 p2973 N91-26411 #
AD-A233724 ..... 18 p2973 N91-26412 #
AD-A233725 ..... 18 p2973 N91-26413 #
AD-A233726 ..... 18 p3063 N91-26920 #
AD-A233727 ..... 18 p2973 N91-26414 #
AD-A233728 ..... 18 p3020 N91-26672 #
AD-A233739 ..... 18 p3034 N91-26749 #
AD-A233743 ..... 13 p2181 N91-22054 #
AD-A233744 ..... 18 p2978 N91-26439 #
AD-A233746 ..... 18 p2959 N91-26327 #
AD-A233747 ..... 18 p3039 N91-26772 #
AD-A233748 ..... 18 p2945 N91-26246 #
AD-A233751 ..... 18 p2953 N91-26295 #
AD-A233753 ..... 18 p3027 N91-26708 #
AD-A233756 ..... 18 p2973 N91-26415 #
AD-A233757 ..... 18 p3039 N91-26773 #
AD-A233766 ..... 18 p3027 N91-26709 #
AD-A233767 ..... 18 p3027 N91-26710 #
AD-A233768 ..... 18 p3027 N91-26711 #
AD-A233770 ..... 18 p3039 N91-26774 #
AD-A233773 ..... 18 p3031 N91-26733 #
AD-A233776 ..... 18 p3039 N91-26775 #
AD-A233777 ..... 18 p2968 N91-26388 #
AD-A233778 ..... 18 p2939 N91-26210 #
AD-A233779 ..... 18 p2988 N91-26496 #
AD-A233780 ..... 18 p3063 N91-26921 #
AD-A233784 ..... 18 p3035 N91-26750 #
AD-A233785 ..... 18 p3058 N91-26892 #
AD-A233786 ..... 18 p3039 N91-26776 #
AD-A233792 ..... 13 p2079 N91-21454* #
AD-A233793 ..... 13 p2079 N91-21455* #
AD-A233794 ..... 18 p3049 N91-26836 #
AD-A233795 ..... 13 p2079 N91-21453* #
AD-A233796 ..... 23 p3930 N91-31960 #
AD-A233797 ..... 18 p2974 N91-26416 #
AD-A233798 ..... 18 p3035 N91-26751 #
AD-A233800 ..... 18 p2998 N91-26558 #
AD-A233801 ..... 18 p2945 N91-26247 #
AD-A233806 ..... 18 p2959 N91-26328 #
AD-A233807 ..... 18 p2959 N91-26329 #
AD-A233808 ..... 18 p2945 N91-26248 #
AD-A233809 ..... 18 p3020 N91-26673 #
AD-A233810 ..... 18 p3017 N91-26658 #
AD-A233811 ..... 18 p2945 N91-26249 #
AD-A233822 ..... 18 p3027 N91-26712 #
AD-A233823 ..... 18 p2988 N91-26497 #
AD-A233824 ..... 18 p2988 N91-26498 #
AD-A233826 ..... 18 p3017 N91-26659 #
AD-A233827 ..... 18 p3074 N91-26988 #
AD-A233837 ..... 18 p2988 N91-26499 #
AD-A233840 ..... 18 p2959 N91-26330 #
AD-A233841 ..... 18 p2945 N91-26250 #
AD-A233842 ..... 18 p2946 N91-26251 #
AD-A233847 ..... 18 p2959 N91-26331 #
AD-A233848 ..... 18 p2959 N91-26332 #
AD-A233849 ..... 18 p2960 N91-26333 #
AD-A233855 ..... 18 p3075 N91-26993 #
AD-A233862 ..... 18 p2960 N91-26334 #
AD-A233868 ..... 18 p3054 N91-26864 #
AD-A233880 ..... 18 p2998 N91-26559 #
AD-A233883 ..... 18 p3011 N91-26627 #
AD-A233887 ..... 10 p1575 N91-18665* #
AD-A233916 ..... 18 p2989 N91-26500 #
AD-A233924 ..... 18 p2939 N91-26211 #
AD-A233928 ..... 18 p2969 N91-26389 #
AD-A233929 ..... 18 p2969 N91-26390 #
AD-A233934 ..... 18 p2960 N91-26335 #
AD-A233935 ..... 18 p2960 N91-26336 #
AD-A233941 ..... 18 p2960 N91-26337 #
AD-A233942 ..... 18 p3027 N91-26713 #
AD-A233944 ..... 18 p2924 N91-26131 #
AD-A233965 ..... 18 p3039 N91-26777 #
AD-A233973 ..... 18 p3028 N91-26714 #
AD-A233977 ..... 18 p3020 N91-26674 #
AD-A233978 ..... 18 p3053 N91-26858 #

AD-A233979 ..... 18 p3050 N91-26837 #
AD-A233980 ..... 18 p2994 N91-26532 #
AD-A233981 ..... 18 p2921 N91-26115 #
AD-A233986 ..... 18 p2939 N91-26212 #
AD-A233989 ..... 18 p3040 N91-26778 #
AD-A233991 ..... 18 p3056 N91-26878 #
AD-A234005 ..... 18 p3063 N91-26922 #
AD-A234006 ..... 18 p2974 N91-26417 #
AD-A234014 ..... 18 p2939 N91-26213 #
AD-A234016 ..... 13 p2022 N91-21122 #
AD-A234029 ..... 19 p3217 N91-27780 #
AD-A234031 ..... 18 p3028 N91-26715 #
AD-A234033 ..... 18 p2978 N91-26440 #
AD-A234039 ..... 18 p2953 N91-26296 #
AD-A234051 ..... 18 p2974 N91-26418 #
AD-A234062 ..... 18 p2940 N91-26214 #
AD-A234071 ..... 19 p3122 N91-27248 #
AD-A234072 ..... 19 p3204 N91-27712 #
AD-A234074 ..... 19 p3173 N91-27542 #
AD-A234080 ..... 19 p3162 N91-27484 #
AD-A234081 ..... 19 p3145 N91-27381 #
AD-A234084 ..... 18 p2974 N91-26419 #
AD-A234087 ..... 18 p3076 N91-27001 #
AD-A234089 ..... 18 p3011 N91-26628 #
AD-A234098 ..... 18 p2946 N91-26252 #
AD-A234102 ..... 18 p2940 N91-26215 #
AD-A234108 ..... 18 p3076 N91-27002 #
AD-A234111 ..... 18 p2946 N91-26253 #
AD-A234114 ..... 18 p3043 N91-26801 #
AD-A234121 ..... 18 p3040 N91-26779 #
AD-A234123 ..... 18 p2978 N91-26441 #
AD-A234124 ..... 18 p3043 N91-26802 #
AD-A234127 ..... 18 p3037 N91-26761 #
AD-A234129 ..... 18 p2946 N91-26254 #
AD-A234130 ..... 18 p3068 N91-26950 #
AD-A234131 ..... 18 p2924 N91-26132 #
AD-A234172 ..... 18 p2974 N91-26420 #
AD-A234179 ..... 13 p2017 N91-21099* #
AD-A234180 ..... 13 p2080 N91-21456* #
AD-A234186 ..... 18 p2940 N91-26216 #
AD-A234187 ..... 18 p2940 N91-26217 #
AD-A234188 ..... 18 p2960 N91-26338 #
AD-A234190 ..... 18 p3011 N91-26629 #
AD-A234191 ..... 18 p3056 N91-26879 #
AD-A234194 ..... 18 p2978 N91-26442 #
AD-A234203 ..... 18 p2940 N91-26218 #
AD-A234214 ..... 18 p2960 N91-26339 #
AD-A234215 ..... 18 p2961 N91-26340 #
AD-A234222 ..... 18 p2983 N91-26471 #
AD-A234233 ..... 18 p2946 N91-26255 #
AD-A234242 ..... 22 p3658 N91-30360 #
AD-A234252 ..... 24 p3949 N91-32072 #
AD-A234255 ..... 18 p2969 N91-26391 #
AD-A234264 ..... 18 p2940 N91-26219 #
AD-A234265 ..... 18 p3050 N91-26838 #
AD-A234284 ..... 18 p2974 N91-26421 #
AD-A234285 ..... 18 p2961 N91-26341 #
AD-A234286 ..... 22 p3628 N91-30190 #
AD-A234288 ..... 18 p2937 N91-26197 #
AD-A234289 ..... 18 p3011 N91-26630 #
AD-A234297 ..... 16 p2994 N91-26533 #
AD-A234306 ..... 18 p3014 N91-26642 #
AD-A234308 ..... 18 p2978 N91-26443 #
AD-A234309 ..... 18 p2978 N91-26444 #
AD-A234310 ..... 18 p2974 N91-26422 #
AD-A234312 ..... 18 p2994 N91-26534 #
AD-A234313 ..... 18 p2983 N91-26472 #
AD-A234314 ..... 18 p2989 N91-26501 #
AD-A234315 ..... 18 p2961 N91-26342 #
AD-A234321 ..... 18 p3050 N91-26839 #
AD-A234322 ..... 18 p2941 N91-26220 #
AD-A234324 ..... 18 p2989 N91-26502 #
AD-A234325 ..... 18 p3037 N91-26762 #
AD-A234335 ..... 18 p2978 N91-26445 #
AD-A234336 ..... 18 p2946 N91-26256 #
AD-A234342 ..... 18 p3050 N91-26840 #
AD-A234353 ..... 18 p3097 N91-27118 #
AD-A234354 ..... 18 p2989 N91-26503 #
AD-A234358 ..... 18 p2961 N91-26343 #
AD-A234359 ..... 18 p3044 N91-26807 #
AD-A234360 ..... 18 p3044 N91-26808 #
AD-A234364 ..... 10 p1586 N91-18740* #
AD-A234375 ..... 18 p2941 N91-26221 #
AD-A234376 ..... 18 p2946 N91-26257 #
AD-A234377 ..... 18 p2961 N91-26344 #
AD-A234384 ..... 18 p2961 N91-26345 #
AD-A234385 ..... 18 p2923 N91-26125 #
AD-A234390 ..... 18 p2989 N91-26504 #
AD-A234392 ..... 18 p3050 N91-26841 #
AD-A234403 ..... 18 p2961 N91-26346 #
AD-A234404 ..... 18 p3040 N91-26780 #
AD-A234414 ..... 18 p2962 N91-26347 #
AD-A234416 ..... 18 p3050 N91-26842 #
AD-A234419 ..... 18 p3040 N91-26781 #
AD-A234420 ..... 18 p3045 N91-26809 #
AD-A234421 ..... 18 p3040 N91-26782 #
AD-A234422 ..... 18 p2994 N91-26535 #
AD-A234423 ..... 18 p2978 N91-26446 #
AD-A234425 ..... 18 p3045 N91-26810 #
AD-A234432 ..... 18 p3056 N91-26880 #
AD-A234434 ..... 18 p2975 N91-26423 #
AD-A234435 ..... 18 p3031 N91-26734 #
AD-A234437 ..... 22 p3716 N91-30681 #
AD-A234440 ..... 18 p2975 N91-26424 #
AD-A234442 ..... 18 p3020 N91-26675 #
AD-A234445 ..... 18 p3040 N91-26783 #
AD-A234446 ..... 18 p2941 N91-26222 #
AD-A234448 ..... 18 p3066 N91-26940 #
AD-A234449 ..... 18 p3045 N91-26811 #
AD-A234456 ..... 18 p2924 N91-26133 #
AD-A234466 ..... 18 p3068 N91-26951 #
AD-A234467 ..... 18 p3058 N91-26893 #
AD-A234469 ..... 18 p2947 N91-26258 #
AD-A234471 ..... 18 p3050 N91-26843 #
AD-A234472 ..... 18 p2971 N91-26403 #
AD-A234473 ..... 18 p2972 N91-26404 #
AD-A234475 ..... 18 p3035 N91-26752 #
AD-A234476 ..... 18 p2987 N91-26491 #
AD-A234478 ..... 18 p3051 N91-26844 #
AD-A234484 ..... 22 p3729 N91-30755 #
AD-A234493 ..... 18 p2941 N91-26223 #
AD-A234496 ..... 18 p2999 N91-26560 #
AD-A234504 ..... 18 p3055 N91-26874 #
AD-A234507 ..... 18 p2979 N91-26447 #
AD-A234524 ..... 18 p3037 N91-26763 #
AD-A234526 ..... 18 p3068 N91-26952 #
AD-A234527 ..... 15 p2500 N91-23845 #
AD-A234528 ..... 18 p3040 N91-26784 #
AD-A234535 ..... 18 p3058 N91-26894 #
AD-A234536 ..... 18 p2962 N91-26348 #
AD-A234538 ..... 18 p3017 N91-26660 #
AD-A234545 ..... 18 p3053 N91-26859 #
AD-A234546 ..... 18 p2996 N91-26546 #
AD-A234547 ..... 18 p2996 N91-26547 #
AD-A234548 ..... 18 p3032 N91-26735 #
AD-A234549 ..... 18 p3028 N91-26716 #
AD-A234551 ..... 15 p2500 N91-23846 #
AD-A234552 ..... 18 p2983 N91-26473 #
AD-A234553 ..... 18 p2983 N91-26474 #
AD-A234555 ..... 18 p3041 N91-26785 #
AD-A234559 ..... 18 p2987 N91-26492 #
AD-A234560 ..... 18 p2975 N91-26425 #
AD-A234561 ..... 18 p2947 N91-26259 #
AD-A234568 ..... 18 p3017 N91-26661 #
AD-A234573 ..... 18 p2979 N91-26451 #
AD-A234576 ..... 18 p3007 N91-26603 #
AD-A234578 ..... 18 p3066 N91-26941 #
AD-A234579 ..... 18 p3056 N91-26881 #
AD-A234580 ..... 18 p3059 N91-26895 #
AD-A234581 ..... 18 p2990 N91-26507 #
AD-A234583 ..... 18 p3032 N91-26736 #
AD-A234587 ..... 18 p2962 N91-26349 #
AD-A234588 ..... 18 p3051 N91-26845 #
AD-A234589 ..... 18 p3032 N91-26737 #
AD-A234592 ..... 18 p3035 N91-26754 #
AD-A234595 ..... 18 p2962 N91-26350 #
AD-A234596 ..... 18 p2962 N91-26351 #
AD-A234597 ..... 18 p2963 N91-26352 #
AD-A234598 ..... 18 p2963 N91-26353 #
AD-A234599 ..... 18 p2963 N91-26354 #
AD-A234601 ..... 18 p2938 N91-26206 #
AD-A234602 ..... 18 p2947 N91-26260 #
AD-A234603 ..... 18 p2947 N91-26261 #
AD-A234620 ..... 18 p3068 N91-26953 #
AD-A234624 ..... 18 p3059 N91-26896 #
AD-A234625 ..... 18 p3018 N91-26662 #
AD-A234626 ..... 18 p3032 N91-26738 #
AD-A234628 ..... 18 p2972 N91-26405 #
AD-A234629 ..... 11 p1665 N91-19174* #
AD-A234633 ..... 18 p2947 N91-26262 #
AD-A234634 ..... 18 p2947 N91-26263 #
AD-A234635 ..... 18 p2947 N91-26264 #
AD-A234636 ..... 18 p2990 N91-26508 #
AD-A234637 ..... 18 p2948 N91-26265 #
AD-A234638 ..... 18 p2948 N91-26266 #
AD-A234639 ..... 18 p2948 N91-26267 #
AD-A234640 ..... 18 p3018 N91-26663 #
AD-A234641 ..... 18 p3020 N91-26676 #
AD-A234642 ..... 18 p2938 N91-26207 #
AD-A234643 ..... 19 p3122 N91-27249 #
AD-A234644 ..... 19 p3250 N91-27976 #
AD-A234645 ..... 18 p2948 N91-26268 #
AD-A234646 ..... 18 p3045 N91-26812 #
AD-A234647 ..... 19 p3244 N91-27942 #
AD-A234649 ..... 18 p3069 N91-26954 #
AD-A234650 ..... 18 p3053 N91-26860 #
AD-A234653 ..... 18 p3044 N91-26803 #
AD-A234657 ..... 18 p3035 N91-26755 #
AD-A234658 ..... 18 p3028 N91-26717 #
AD-A234659 ..... 18 p3028 N91-26718 #
AD-A234660 ..... 18 p2921 N91-26116 #
AD-A234666 ..... 18 p2963 N91-26355 #

AD-A234670 ..... 18 p3028 N91-26719 #
AD-A234673 ..... 12 p1831 N91-20061* #
AD-A234674 ..... 12 p1831 N91-20063* #
AD-A234675 ..... 12 p1899 N91-20446* #
AD-A234676 ..... 12 p1846 N91-20146* #
AD-A234699 ..... 18 p2963 N91-26356 #
AD-A234700 ..... 18 p3045 N91-26813 #
AD-A234701 ..... 18 p2953 N91-26297 #
AD-A234702 ..... 18 p2953 N91-26298 #
AD-A234703 ..... 18 p3069 N91-26955 #
AD-A234707 ..... 18 p2975 N91-26426 #
AD-A234709 ..... 18 p3041 N91-26786 #
AD-A234716 ..... 18 p2979 N91-26452 #
AD-A234729 ..... 18 p3051 N91-26846 #
AD-A234730 ..... 18 p2922 N91-26117 #
AD-A234732 ..... 18 p3076 N91-27003 #
AD-A234733 ..... 18 p3064 N91-26926 #
AD-A234742 ..... 18 p2963 N91-26357 #
AD-A234744 ..... 18 p3012 N91-26631 #
AD-A234745 ..... 18 p2984 N91-26475 #
AD-A234746 ..... 18 p2954 N91-26299 #
AD-A234747 ..... 18 p3021 N91-26677 #
AD-A234748 ..... 18 p2996 N91-26548 #
AD-A234751 ..... 18 p3014 N91-26643 #
AD-A234752 ..... 18 p3053 N91-26861 #
AD-A234754 ..... 18 p3032 N91-26739 #
AD-A234755 ..... 18 p3028 N91-26720 #
AD-A234757 ..... 07 p0966 N91-15307* #
AD-A234758 ..... 18 p2927 N91-26148 #
AD-A234761 ..... 18 p3036 N91-26756 #
AD-A234765 ..... 18 p3064 N91-26927 #
AD-A234768 ..... 18 p2999 N91-26561 #
AD-A234770 ..... 22 p3716 N91-30682 #
AD-A234771 ..... 18 p2990 N91-26509 #
AD-A234772 ..... 18 p2997 N91-26549 #
AD-A234773 ..... 18 p2964 N91-26358 #
AD-A234775 ..... 18 p2924 N91-26134 #
AD-A234776 ..... 18 p2990 N91-26510 #
AD-A234780 ..... 18 p3014 N91-26644 #
AD-A234784 ..... 18 p3029 N91-26721 #
AD-A234785 ..... 18 p2997 N91-26550 #
AD-A234790 ..... 18 p3069 N91-26956 #
AD-A234792 ..... 18 p2935 N91-26189 #
AD-A234793 ..... 18 p3045 N91-26814 #
AD-A234794 ..... 12 p1952 N91-20739* #
AD-A234796 ..... 18 p3064 N91-26928 #
AD-A234797 ..... 18 p2954 N91-26300 #
AD-A234798 ..... 18 p2933 N91-26180 #
AD-A234799 ..... 18 p2999 N91-26562 #
AD-A234800 ..... 18 p2979 N91-26453 #
AD-A234801 ..... 18 p2933 N91-26181 #
AD-A234802 ..... 18 p2987 N91-26493 #
AD-A234803 ..... 19 p3240 N91-27918 #
AD-A234804 ..... 18 p2990 N91-26511 #
AD-A234805 ..... 19 p3178 N91-27571 #
AD-A234808 ..... 18 p2995 N91-26538 #
AD-A234828 ..... 18 p2939 N91-26208 #
AD-A234830 ..... 18 p3064 N91-26929 #
AD-A234831 ..... 18 p2999 N91-26563 #
AD-A234832 ..... 19 p3266 N91-28061 #
AD-A234833 ..... 19 p3266 N91-28062 #
AD-A234835 ..... 18 p3069 N91-26957 #
AD-A234836 ..... 18 p3069 N91-26958 #
AD-A234837 ..... 18 p2980 N91-26454 #
AD-A234839 ..... 18 p2969 N91-26393 #
AD-A234840 ..... 18 p2970 N91-26394 #
AD-A234841 ..... 18 p2990 N91-26512 #
AD-A234852 ..... 18 p2975 N91-26427 #
AD-A234863 ..... 18 p2988 N91-26494 #
AD-A234866 ..... 18 p3032 N91-26740 #
AD-A234867 ..... 18 p2948 N91-26269 #
AD-A234873 ..... 13 p2025 N91-21139* #
AD-A234876 ..... 19 p3240 N91-27919 #
AD-A234880 ..... 18 p3045 N91-26815 #
AD-A234881 ..... 18 p3046 N91-26816 #
AD-A234882 ..... 18 p3046 N91-26817 #
AD-A234883 ..... 18 p3046 N91-26818 #
AD-A234884 ..... 18 p3046 N91-26819 #
AD-A234885 ..... 18 p3046 N91-26820 #
AD-A234886 ..... 18 p3047 N91-26821 #
AD-A234887 ..... 18 p3047 N91-26822 #
AD-A234888 ..... 18 p3047 N91-26823 #
AD-A234889 ..... 18 p3047 N91-26824 #
AD-A234890 ..... 18 p3047 N91-26825 #
AD-A234891 ..... 18 p3047 N91-26826 #
AD-A234892 ..... 18 p3048 N91-26827 #
AD-A234893 ..... 18 p3048 N91-26828 #
AD-A234894 ..... 18 p3048 N91-26829 #
AD-A234895 ..... 18 p3048 N91-26830 #
AD-A234896 ..... 18 p3048 N91-26831 #
AD-A234897 ..... 18 p3049 N91-26832 #
AD-A234898 ..... 18 p3041 N91-26787 #
AD-A234903 ..... 18 p2999 N91-26564 #
AD-A234910 ..... 18 p3021 N91-26678 #
AD-A234916 ..... 18 p2948 N91-26270 #
AD-A234920 ..... 22 p3765 N91-30990 #
AD-A234921 ..... 18 p2949 N91-26271 #
AD-A234925 ..... 18 p3054 N91-26865 #
AD-A234926 ..... 18 p2964 N91-26359 #
AD-A234931 ..... 18 p3049 N91-26833 #
AD-A234932 ..... 18 p2923 N91-26127 #
AD-A234934 ..... 18 p3077 N91-27004 #
AD-A234936 ..... 22 p3740 N91-30837 #
AD-A234939 ..... 18 p2964 N91-26360 #
AD-A234941 ..... 18 p3029 N91-26722 #
AD-A234944 ..... 18 p2934 N91-26184 #
AD-A234945 ..... 18 p2922 N91-26118 #
AD-A234951 ..... 18 p2941 N91-26225 #
AD-A234952 ..... 18 p3051 N91-26847 #
AD-A234953 ..... 18 p2980 N91-26455 #
AD-A234955 ..... 18 p3033 N91-26741 #
AD-A234957 ..... 18 p2933 N91-26183 #
AD-A234959 ..... 18 p2949 N91-26272 #
AD-A234960 ..... 18 p2980 N91-26456 #
AD-A234961 ..... 18 p3041 N91-26788 #
AD-A234962 ..... 18 p3041 N91-26789 #
AD-A234965 ..... 18 p3056 N91-26882 #
AD-A234966 ..... 18 p2964 N91-26361 #
AD-A234967 ..... 18 p3067 N91-26942 #
AD-A234971 ..... 18 p3054 N91-26866 #
AD-A234973 ..... 18 p2999 N91-26565 #
AD-A234978 ..... 18 p2925 N91-26135 #
AD-A234979 ..... 22 p3712 N91-30658 #
AD-A234984 ..... 18 p3014 N91-26645 #
AD-A234985 ..... 18 p3038 N91-26764 #
AD-A234986 ..... 18 p3069 N91-26959 #
AD-A234987 ..... 18 p3018 N91-26664 #
AD-A234990 ..... 18 p2927 N91-26149 #
AD-A234992 ..... 18 p2922 N91-26119 #
AD-A234994 ..... 18 p2941 N91-26226 #
AD-A234997 ..... 18 p3029 N91-26723 #
AD-A234998 ..... 22 p3684 N91-30511 #
AD-A234999 ..... 22 p3684 N91-30512 #
AD-A235001 ..... 18 p3059 N91-26897 #
AD-A235002 ..... 18 p2942 N91-26227 #
AD-A235003 ..... 18 p3033 N91-26742 #
AD-A235005 ..... 18 p2970 N91-26395 #
AD-A235006 ..... 18 p2970 N91-26396 #
AD-A235007 ..... 18 p2949 N91-26273 #
AD-A235009 ..... 18 p2949 N91-26274 #
AD-A235010 ..... 18 p3077 N91-27005 #
AD-A235011 ..... 18 p2949 N91-26275 #
AD-A235013 ..... 18 p3038 N91-26765 #
AD-A235014 ..... 18 p3069 N91-26960 #
AD-A235015 ..... 18 p3077 N91-27006 #
AD-A235016 ..... 18 p2954 N91-26301 #
AD-A235018 ..... 18 p3041 N91-26790 #
AD-A235019 ..... 18 p3070 N91-26961 #
AD-A235025 ..... 18 p3070 N91-26962 #
AD-A235026 ..... 18 p3029 N91-26724 #
AD-A235027 ..... 18 p3051 N91-26848 #
AD-A235028 ..... 18 p2934 N91-26185 #
AD-A235030 ..... 18 p2949 N91-26276 #
AD-A235031 ..... 18 p2964 N91-26362 #
AD-A235033 ..... 18 p3077 N91-27007 #
AD-A235034 ..... 18 p3077 N91-27008 #
AD-A235035 ..... 18 p3033 N91-26743 #
AD-A235037 ..... 18 p3070 N91-26963 #
AD-A235038 ..... 18 p3055 N91-26875 #
AD-A235055 ..... 18 p2954 N91-26302 #
AD-A235057 ..... 18 p2950 N91-26277 #
AD-A235059 ..... 18 p2935 N91-26190 #
AD-A235060 ..... 18 p3051 N91-26849 #
AD-A235083 ..... 18 p2925 N91-26136 #
AD-A235085 ..... 18 p2995 N91-26539 #
AD-A235086 ..... 18 p3041 N91-26791 #
AD-A235090 ..... 18 p2972 N91-26406 #
AD-A235091 ..... 18 p2995 N91-26540 #
AD-A235092 ..... 18 p3057 N91-26883 #
AD-A235093 ..... 18 p3057 N91-26884 #
AD-A235097 ..... 18 p3057 N91-26885 #
AD-A235102 ..... 18 p3070 N91-26964 #
AD-A235103 ..... 18 p3000 N91-26566 #
AD-A235104 ..... 18 p2964 N91-26363 #
AD-A235109 ..... 18 p2950 N91-26278 #
AD-A235112 ..... 18 p3018 N91-26665 #
AD-A235114 ..... 18 p3029 N91-26725 #
AD-A235115 ..... 18 p2935 N91-26188 #
AD-A235116 ..... 15 p2476 N91-23711 #
AD-A235117 ..... 13 p2081 N91-21464 #
AD-A235120 ..... 18 p2990 N91-26513 #
AD-A235121 ..... 18 p3018 N91-26666 #
AD-A235134 ..... 18 p3030 N91-26726 #
AD-A235135 ..... 18 p2954 N91-26303 #
AD-A235143 ..... 18 p2926 N91-26144 #
AD-A235144 ..... 05 p0677 N91-13762* #
AD-A235164 ..... 18 p3033 N91-26744 #
AD-A235165 ..... 18 p3042 N91-26792 #
AD-A235168 ..... 18 p2954 N91-26304 #
AD-A235170 ..... 18 p3012 N91-26632 #
AD-A235172 ..... 18 p2984 N91-26476 #
AD-A235173 ..... 18 p3012 N91-26633 #

AD-A235178 ..... 18 p3030 N91-26727 #
AD-A235179 ..... 13 p2029 N91-21156 #
AD-A235180 ..... 13 p2070 N91-21404 #
AD-A235181 ..... 13 p2129 N91-21720 #
AD-A235182 ..... 18 p3015 N91-26646 #
AD-A235184 ..... 18 p3057 N91-26886 #
AD-A235186 ..... 18 p2935 N91-26191 #
AD-A235188 ..... 18 p3052 N91-26850 #
AD-A235189 ..... 18 p3000 N91-26567 #
AD-A235190 ..... 18 p2984 N91-26477 #
AD-A235191 ..... 18 p2950 N91-26279 #
AD-A235194 ..... 18 p3030 N91-26728 #
AD-A235199 ..... 18 p2955 N91-26305 #
AD-A235211 ..... 18 p3064 N91-26930 #
AD-A235215 ..... 18 p2965 N91-26364 #
AD-A235217 ..... 18 p3059 N91-26898 #
AD-A235219 ..... 18 p3052 N91-26851 #
AD-A235221 ..... 18 p2980 N91-26457 #
AD-A235223 ..... 18 p2942 N91-26228 #
AD-A235225 ..... 18 p2924 N91-26128 #
AD-A235226 ..... 18 p2924 N91-26129 #
AD-A235227 ..... 18 p3015 N91-26647 #
AD-A235228 ..... 18 p3015 N91-26648 #
AD-A235231 ..... 18 p2955 N91-26306 #
AD-A235232 ..... 18 p2937 N91-26198 #
AD-A235233 ..... 18 p3059 N91-26899 #
AD-A235234 ..... 18 p3070 N91-26965 #
AD-A235235 ..... 18 p2965 N91-26365 #
AD-A235241 ..... 18 p2922 N91-26120 #
AD-A235242 ..... 18 p3042 N91-26793 #
AD-A235243 ..... 18 p2965 N91-26366 #
AD-A235245 ..... 18 p3012 N91-26634 #
AD-A235249 ..... 18 p3036 N91-26757 #
AD-A235250 ..... 18 p3052 N91-26852 #
AD-A235252 ..... 18 p3053 N91-26862 #
AD-A235257 ..... 18 p2936 N91-26192 #
AD-A235258 ..... 18 p2937 N91-26199 #
AD-A235260 ..... 18 p2950 N91-26280 #
AD-A235267 ..... 18 p2997 N91-26551 #
AD-A235268 ..... 18 p3030 N91-26729 #
AD-A235273 ..... 18 p3036 N91-26758 #
AD-A235274 ..... 18 p2991 N91-26514 #
AD-A235275 ..... 18 p3042 N91-26794 #
AD-A235276 ..... 18 p2975 N91-26428 #
AD-A235277 ..... 18 p3064 N91-26931 #
AD-A235278 ..... 18 p2950 N91-26281 #
AD-A235279 ..... 18 p2955 N91-26307 #
AD-A235282 ..... 12 p1960 N91-20783* #
AD-A235284 ..... 18 p2951 N91-26282 #
AD-A235286 ..... 18 p2942 N91-26229 #
AD-A235297 ..... 18 p3059 N91-26900 #
AD-A235298 ..... 18 p3074 N91-26989 #
AD-A235300 ..... 18 p3030 N91-26730 #
AD-A235301 ..... 18 p2924 N91-26130 #
AD-A235303 ..... 18 p3004 N91-26589 #
AD-A235305 ..... 18 p3015 N91-26649 #
AD-A235307 ..... 18 p2965 N91-26367 #
AD-A235309 ..... 18 p2951 N91-26283 #
AD-A235310 ..... 18 p3012 N91-26635 #
AD-A235315 ..... 18 p3060 N91-26901 #
AD-A235321 ..... 14 p2191 N91-22104 #
AD-A235324 ..... 18 p3057 N91-26887 #
AD-A235326 ..... 18 p3030 N91-26731 #
AD-A235327 ..... 18 p2942 N91-26230 #
AD-A235328 ..... 18 p2997 N91-26552 #
AD-A235330 ..... 22 p3729 N91-30760 #
AD-A235333 ..... 18 p2976 N91-26429 #
AD-A235335 ..... 18 p3064 N91-26932 #
AD-A235336 ..... 18 p2995 N91-26541 #
AD-A235337 ..... 18 p3031 N91-26732 #
AD-A235340 ..... 18 p3003 N91-26587 #
AD-A235343 ..... 18 p2942 N91-26231 #
AD-A235345 ..... 18 p3042 N91-26795 #
AD-A235346 ..... 22 p3747 N91-30884 #
AD-A235347 ..... 18 p3000 N91-26568 #
AD-A235349 ..... 22 p3627 N91-30184 #
AD-A235350 ..... 18 p2965 N91-26368 #
AD-A235351 ..... 18 p2965 N91-26369 #
AD-A235352 ..... 22 p3617 N91-30123 #
AD-A235354 ..... 18 p3075 N91-26994 #
AD-A235355 ..... 22 p3621 N91-30144 #
AD-A235356 ..... 22 p3627 N91-30183 #
AD-A235357 ..... 18 p2965 N91-26370 #
AD-A235359 ..... 18 p2966 N91-26371 #
AD-A235360 ..... 18 p2966 N91-26372 #
AD-A235371 ..... 18 p2966 N91-26373 #
AD-A235372 ..... 18 p3083 N91-27048 #
AD-A235400 ..... 18 p2980 N91-26458 #
AD-A235402 ..... 22 p3695 N91-30569 #
AD-A235403 ..... 18 p2976 N91-26430 #
AD-A235404 ..... 18 p3065 N91-26933 #
AD-A235410 ..... 18 p2984 N91-26478 #
AD-A235417 ..... 18 p3015 N91-26650 #
AD-A235419 ..... 18 p3075 N91-26995 #
AD-A235420 ..... 18 p2926 N91-26145 #
AD-A235424 ..... 18 p2966 N91-26374 #
AD-A235426 ..... 18 p3065 N91-26934 #
AD-A235428 ..... 19 p3133 N91-27312 #
AD-A235430 ..... 19 p3258 N91-28022 #
AD-A235431 ..... 19 p3133 N91-27313 #
AD-A235433 ..... 19 p3157 N91-27450 #
AD-A235434 ..... 19 p3137 N91-27333 #
AD-A235440 ..... 19 p3122 N91-27250 #
AD-A235444 ..... 19 p3259 N91-28023 #
AD-A235448 ..... 19 p3260 N91-28032 #
AD-A235454 ..... 19 p3245 N91-27945 #
AD-A235458 ..... 19 p3211 N91-27752 #
AD-A235459 ..... 19 p3218 N91-27787 #
AD-A235460 ..... 19 p3137 N91-27334 #
AD-A235469 ..... 19 p3123 N91-27251 #
AD-A235470 ..... 19 p3167 N91-27512 #
AD-A235479 ..... 19 p3171 N91-27532 #
AD-A235486 ..... 19 p3241 N91-27922 #
AD-A235487 ..... 19 p3241 N91-27923 #
AD-A235489 ..... 19 p3235 N91-27889 #
AD-A235490 ..... 19 p3133 N91-27314 #
AD-A235504 ..... 19 p3171 N91-27533 #
AD-A235507 ..... 19 p3163 N91-27491 #
AD-A235510 ..... 19 p3218 N91-27788 #
AD-A235512 ..... 19 p3235 N91-27890 #
AD-A235513 ..... 19 p3233 N91-27878 #
AD-A235514 ..... 19 p3234 N91-27879 #
AD-A235515 ..... 19 p3116 N91-27218 #
AD-A235517 ..... 19 p3123 N91-27252 #
AD-A235518 ..... 19 p3209 N91-27737 #
AD-A235521 ..... 19 p3232 N91-27870 #
AD-A235522 ..... 19 p3249 N91-27973 #
AD-A235523 ..... 19 p3174 N91-27548 #
AD-A235525 ..... 19 p3137 N91-27335 #
AD-A235527 ..... 19 p3137 N91-27336 #
AD-A235537 ..... 19 p3218 N91-27789 #
AD-A235541 ..... 19 p3118 N91-27225 #
AD-A235545 ..... 19 p3149 N91-27405 #
AD-A235546 ..... 19 p3149 N91-27406 #
AD-A235548 ..... 19 p3149 N91-27407 #
AD-A235549 ..... 19 p3199 N91-27684 #
AD-A235551 ..... 19 p3199 N91-27685 #
AD-A235563 ..... 19 p3157 N91-27451 #
AD-A235564 ..... 19 p3157 N91-27452 #
AD-A235565 ..... 19 p3123 N91-27253 #
AD-A235567 ..... 19 p3138 N91-27337 #
AD-A235568 ..... 19 p3117 N91-27219 #
AD-A235570 ..... 19 p3157 N91-27453 #
AD-A235571 ..... 19 p3123 N91-27254 #
AD-A235572 ..... 19 p3241 N91-27924 #
AD-A235573 ..... 19 p3134 N91-27315 #
AD-A235574 ..... 19 p3138 N91-27338 #
AD-A235575 ..... 19 p3123 N91-27255 #
AD-A235576 ..... 19 p3251 N91-27982 #
AD-A235577 ..... 19 p3199 N91-27686 #
AD-A235579 ..... 19 p3200 N91-27687 #
AD-A235580 ..... 19 p3219 N91-27790 #
AD-A235581 ..... 19 p3234 N91-27880 #
AD-A235583 ..... 19 p3241 N91-27925 #
AD-A235584 ..... 19 p3183 N91-27605 #
AD-A235585 ..... 19 p3115 N91-27210* #
AD-A235587 ..... 19 p3124 N91-27256 #
AD-A235591 ..... 19 p3138 N91-27339 #
AD-A235592 ..... 19 p3219 N91-27791 #
AD-A235596 ..... 19 p3213 N91-27758 #
AD-A235599 ..... 19 p3118 N91-27226 #
AD-A235600 ..... 19 p3145 N91-27382 #
AD-A235601 ..... 19 p3157 N91-27454 #
AD-A235603 ..... 19 p3157 N91-27455 #
AD-A235604 ..... 19 p3245 N91-27946 #
AD-A235611 ..... 19 p3213 N91-27759 #
AD-A235613 ..... 19 p3174 N91-27549 #
AD-A235614 ..... 19 p3118 N91-27227 #
AD-A235615 ..... 19 p3211 N91-27753 #
AD-A235618 ..... 19 p3144 N91-27376 #
AD-A235619 ..... 19 p3144 N91-27377 #
AD-A235621 ..... 19 p3150 N91-27408 #
AD-A235623 ..... 19 p3134 N91-27316 #
AD-A235633 ..... 19 p3118 N91-27228 #
AD-A235637 ..... 13 p2143 N91-21801* #
AD-A235638 ..... 19 p3134 N91-27317 #
AD-A235639 ..... 19 p3219 N91-27792 #
AD-A235640 ..... 19 p3219 N91-27793 #
AD-A235641 ..... 19 p3219 N91-27794 #
AD-A235644 ..... 13 p2055 N91-21307* #
AD-A235648 ..... 19 p3260 N91-28033* #
AD-A235670 ..... 19 p3215 N91-27770 #
AD-A235671 ..... 19 p3241 N91-27926 #
AD-A235675 ..... 19 p3167 N91-27513 #
AD-A235676 ..... 19 p3124 N91-27257 #
AD-A235677 ..... 19 p3241 N91-27927 #
AD-A235686 ..... 19 p3168 N91-27514 #
AD-A235690 ..... 19 p3150 N91-27409 #
AD-A235694 ..... 22 p3645 N91-30285 #
AD-A235695 ..... 19 p3138 N91-27340 #
AD-A235699 ..... 19 p3219 N91-27795 #
AD-A235700 ..... 19 p3219 N91-27796 #

AD-A235701 ..... 19 p3220 N91-27797 #
AD-A235702 ..... 19 p3220 N91-27798 #
AD-A235703 ..... 19 p3213 N91-27760 #
AD-A235713 ..... 19 p3118 N91-27229 #
AD-A235714 ..... 16 p2614 N91-24472 #
AD-A235715 ..... 17 p2731 N91-25121 #
AD-A235719 ..... 19 p3204 N91-27713 #
AD-A235729 ..... 19 p3179 N91-27579 #
AD-A235730 ..... 19 p3134 N91-27318 #
AD-A235731 ..... 19 p3251 N91-27983 #
AD-A235737 ..... 19 p3220 N91-27799 #
AD-A235740 ..... 19 p3220 N91-27800 #
AD-A235748 ..... 19 p3138 N91-27341 #
AD-A235749 ..... 19 p3261 N91-28034 #
AD-A235751 ..... 19 p3220 N91-27801 #
AD-A235752 ..... 19 p3221 N91-27802 #
AD-A235753 ..... 19 p3221 N91-27803 #
AD-A235754 ..... 19 p3138 N91-27342 #
AD-A235759 ..... 19 p3212 N91-27754 #
AD-A235769 ..... 19 p3236 N91-27891 #
AD-A235773 ..... 19 p3221 N91-27804 #
AD-A235775 ..... 19 p3221 N91-27805 #
AD-A235776 ..... 19 p3221 N91-27806 #
AD-A235777 ..... 19 p3221 N91-27807 #
AD-A235778 ..... 19 p3222 N91-27808 #
AD-A235779 ..... 19 p3222 N91-27809 #
AD-A235780 ..... 19 p3222 N91-27810 #
AD-A235781 ..... 19 p3222 N91-27811 #
AD-A235782 ..... 19 p3222 N91-27812 #
AD-A235783 ..... 19 p3223 N91-27813 #
AD-A235784 ..... 19 p3223 N91-27814 #
AD-A235785 ..... 19 p3223 N91-27815 #
AD-A235786 ..... 19 p3251 N91-27984 #
AD-A235787 ..... 19 p3251 N91-27985 #
AD-A235788 ..... 19 p3251 N91-27986 #
AD-A235789 ..... 19 p3251 N91-27987 #
AD-A235790 ..... 19 p3252 N91-27988 #
AD-A235791 ..... 19 p3252 N91-27989 #
AD-A235797 ..... 19 p3157 N91-27456 #
AD-A235798 ..... 19 p3250 N91-27974 #
AD-A235799 ..... 19 p3150 N91-27410 #
AD-A235800 ..... 19 p3184 N91-27606 #
AD-A235802 ..... 19 p3205 N91-27714 #
AD-A235810 ..... 19 p3111 N91-27192 #
AD-A235811 ..... 19 p3205 N91-27715 #
AD-A235814 ..... 19 p3223 N91-27816 #
AD-A235827 ..... 19 p3223 N91-27817 #
AD-A235828 ..... 19 p3223 N91-27818 #
AD-A235829 ..... 19 p3224 N91-27819 #
AD-A235830 ..... 19 p3224 N91-27820 #
AD-A235831 ..... 19 p3224 N91-27821 #
AD-A235832 ..... 19 p3224 N91-27822 #
AD-A235833 ..... 19 p3224 N91-27823 #
AD-A235835 ..... 19 p3225 N91-27824 #
AD-A235840 ..... 19 p3124 N91-27258 #
AD-A235841 ..... 19 p3124 N91-27259 #
AD-A235842 ..... 19 p3124 N91-27260 #
AD-A235843 ..... 22 p3622 N91-30148 #
AD-A235844 ..... 19 p3150 N91-27411 #
AD-A235845 ..... 19 p3200 N91-27688 #
AD-A235847 ..... 19 p3139 N91-27343 #
AD-A235848 ..... 19 p3139 N91-27344 #
AD-A235852 ..... 19 p3139 N91-27345 #
AD-A235853 ..... 19 p3242 N91-27928 #
AD-A235854 ..... 19 p3252 N91-27990 #
AD-A235855 ..... 20 p3321 N91-28385 #
AD-A235856 ..... 20 p3321 N91-28386 #
AD-A235857 ..... 19 p3139 N91-27346 #
AD-A235858 ..... 19 p3139 N91-27347 #
AD-A235859 ..... 19 p3139 N91-27348 #
AD-A235860 ..... 19 p3252 N91-27991 #
AD-A235861 ..... 19 p3140 N91-27349 #
AD-A235864 ..... 19 p3124 N91-27261 #
AD-A235872 ..... 19 p3125 N91-27262 #
AD-A235874 ..... 20 p3381 N91-28731 #
AD-A235875 ..... 19 p3234 N91-27881 #
AD-A235879 ..... 19 p3125 N91-27263 #
AD-A235881 ..... 19 p3225 N91-27825 #
AD-A235885 ..... 19 p3242 N91-27929 #
AD-A235886 ..... 19 p3242 N91-27930 #
AD-A235888 ..... 19 p3150 N91-27412 #
AD-A235892 ..... 19 p3125 N91-27264 #
AD-A235893 ..... 19 p3225 N91-27826 #
AD-A235901 ..... 13 p2099 N91-21556* #
AD-A235903 ..... 19 p3140 N91-27350 #
AD-A235909 ..... 19 p3252 N91-27992 #
AD-A235911 ..... 19 p3225 N91-27827 #
AD-A235914 ..... 17 p2764 N91-25302 #
AD-A235915 ..... 13 p2094 N91-21531* #
AD-A235920 ..... 22 p3747 N91-30881 #
AD-A235921 ..... 19 p3125 N91-27265 #
AD-A235923 ..... 19 p3225 N91-27828 #
AD-A235924 ..... 19 p3225 N91-27829 #
AD-A235926 ..... 13 p2044 N91-21243* #
AD-A235931 ..... 19 p3245 N91-27947 #
AD-A235933 ..... 19 p3140 N91-27351 #
AD-A235935 ..... 19 p3252 N91-27993 #
AD-A235938 ..... 19 p3244 N91-27941 #
AD-A235942 ..... 22 p3726 N91-30735 #
AD-A235943 ..... 22 p3690 N91-30543 #
AD-A235944 ..... 19 p3213 N91-27761 #
AD-A235946 ..... 19 p3125 N91-27266 #
AD-A235947 ..... 19 p3213 N91-27762 #
AD-A235954 ..... 19 p3119 N91-27230 #
AD-A235955 ..... 19 p3245 N91-27948 #
AD-A235956 ..... 16 p2698 N91-24939* #
AD-A235957 ..... 19 p3163 N91-27492 #
AD-A235958 ..... 19 p3119 N91-27231 #
AD-A235959 ..... 19 p3236 N91-27892 #
AD-A235960 ..... 19 p3253 N91-27994 #
AD-A235962 ..... 19 p3140 N91-27352 #
AD-A235963 ..... 19 p3253 N91-27995 #
AD-A235965 ..... 19 p3119 N91-27232 #
AD-A235968 ..... 19 p3125 N91-27267 #
AD-A235972 ..... 19 p3174 N91-27550 #
AD-A235974 ..... 19 p3108 N91-27173 #
AD-A235978 ..... 19 p3134 N91-27319 #
AD-A235981 ..... 19 p3140 N91-27353 #
AD-A235990 ..... 19 p3119 N91-27233 #
AD-A235994 ..... 19 p3104 N91-27151 #
AD-A235996 ..... 19 p3226 N91-27830 #
AD-A235997 ..... 19 p3226 N91-27831 #
AD-A235998 ..... 19 p3174 N91-27551 #
AD-A235999 ..... 19 p3179 N91-27580 #
AD-A236000 ..... 19 p3253 N91-27996 #
AD-A236001 ..... 19 p3226 N91-27832 #
AD-A236014 ..... 19 p3226 N91-27833 #
AD-A236015 ..... 19 p3226 N91-27834 #
AD-A236016 ..... 19 p3104 N91-27152 #
AD-A236021 ..... 19 p3108 N91-27170 #
AD-A236022 ..... 19 p3205 N91-27716 #
AD-A236023 ..... 19 p3226 N91-27835 #
AD-A236025 ..... 19 p3105 N91-27153 #
AD-A236026 ..... 14 p2262 N91-22511 #
AD-A236027 ..... 19 p3237 N91-27902 #
AD-A236028 ..... 19 p3105 N91-27154 #
AD-A236031 ..... 12 p1831 N91-20064 #
AD-A236032 ..... 19 p3126 N91-27268 #
AD-A236033 ..... 22 p3726 N91-30736 #
AD-A236034 ..... 19 p3126 N91-27269 #
AD-A236035 ..... 19 p3140 N91-27354 #
AD-A236036 ..... 19 p3205 N91-27717 #
AD-A236040 ..... 19 p3144 N91-27378 #
AD-A236052 ..... 19 p3277 N91-28128 #
AD-A236053 ..... 19 p3227 N91-27836 #
AD-A236058 ..... 14 p2198 N91-22136 #
AD-A236059 ..... 19 p3202 N91-27698 #
AD-A236060 ..... 19 p3253 N91-27997 #
AD-A236061 ..... 19 p3175 N91-27552 #
AD-A236062 ..... 19 p3245 N91-27949 #
AD-A236067 ..... 14 p2261 N91-22510 #
AD-A236072 ..... 19 p3277 N91-28129 #
AD-A236073 ..... 19 p3253 N91-27998 #
AD-A236074 ..... 19 p3158 N91-27457 #
AD-A236075 ..... 19 p3246 N91-27950 #
AD-A236077 ..... 19 p3227 N91-27837 #
AD-A236083 ..... 19 p3253 N91-27999 #
AD-A236084 ..... 14 p2341 N91-22946 #
AD-A236088 ..... 19 p3126 N91-27270 #
AD-A236092 ..... 19 p3119 N91-27234 #
AD-A236093 ..... 19 p3259 N91-28024 #
AD-A236094 ..... 19 p3145 N91-27383 #
AD-A236099 ..... 19 p3227 N91-27838 #
AD-A236101 ..... 19 p3254 N91-28000 #
AD-A236106 ..... 19 p3180 N91-27581 #
AD-A236107 ..... 15 p2476 N91-23710 #
AD-A236108 ..... 19 p3150 N91-27413 #
AD-A236109 ..... 19 p3104 N91-27147 #
AD-A236110 ..... 14 p2255 N91-22473 #
AD-A236111 ..... 13 p2121 N91-21671 #
AD-A236117 ..... 19 p3227 N91-27839 #
AD-A236118 ..... 19 p3227 N91-27840 #
AD-A236119 ..... 19 p3227 N91-27841 #
AD-A236120 ..... 19 p3228 N91-27842 #
AD-A236121 ..... 20 p3383 N91-28742 #
AD-A236122 ..... 19 p3228 N91-27843 #
AD-A236124 ..... 19 p3145 N91-27384 #
AD-A236125 ..... 19 p3228 N91-27844 #
AD-A236128 ..... 22 p3723 N91-30717 #
AD-A236129 ..... 22 p3723 N91-30718 #
AD-A236130 ..... 22 p3723 N91-30719 #
AD-A236132 ..... 20 p3396 N91-28821 #
AD-A236139 ..... 20 p3383 N91-28743 #
AD-A236140 ..... 20 p3383 N91-28744 #
AD-A236143 ..... 20 p3348 N91-28540 #
AD-A236148 ..... 20 p3383 N91-28745 #
AD-A236149 ..... 20 p3396 N91-28822 #
AD-A236151 ..... 20 p3423 N91-28986 #
AD-A236195 ..... 19 p3239 N91-27911 #
AD-A236197 ..... 19 p3141 N91-27355 #
AD-A236198 ..... 19 p3141 N91-27356 #
AD-A236199 ..... 19 p3180 N91-27582 #

AD-A236201 ..... 19 p3163 N91-27493 #
AD-A236202 ..... 19 p3141 N91-27357 #
AD-A236204 ..... 19 p3126 N91-27271 #
AD-A236205 ..... 19 p3242 N91-27931 #
AD-A236206 ..... 19 p3150 N91-27414 #
AD-A236207 ..... 19 p3254 N91-28001 #
AD-A236209 ..... 19 p3180 N91-27583 #
AD-A236210 ..... 19 p3254 N91-28002 #
AD-A236212 ..... 19 p3120 N91-27235 #
AD-A236213 ..... 19 p3180 N91-27584 #
AD-A236219 ..... 19 p3158 N91-27458 #
AD-A236220 ..... 19 p3158 N91-27459 #
AD-A236222 ..... 19 p3264 N91-28055 #
AD-A236223 ..... 19 p3209 N91-27738 #
AD-A236224 ..... 19 p3168 N91-27515 #
AD-A236225 ..... 19 p3168 N91-27516 #
AD-A236226 ..... 19 p3168 N91-27517 #
AD-A236227 ..... 19 p3242 N91-27932 #
AD-A236228 ..... 19 p3265 N91-28056 #
AD-A236229 ..... 19 p3232 N91-27871 #
AD-A236231 ..... 19 p3164 N91-27494 #
AD-A236232 ..... 19 p3254 N91-28003 #
AD-A236234 ..... 22 p3766 N91-30992 #
AD-A236236 ..... 19 p3141 N91-27358 #
AD-A236237 ..... 19 p3141 N91-27359 #
AD-A236241 ..... 19 p3112 N91-27193 #
AD-A236242 ..... 19 p3101 N91-27134 #
AD-A236244 ..... 22 p3656 N91-30352 #
AD-A236245 ..... 19 p3171 N91-27534 #
AD-A236246 ..... 19 p3236 N91-27893 #
AD-A236247 ..... 19 p3141 N91-27360 #
AD-A236248 ..... 19 p3134 N91-27320 #
AD-A236249 ..... 19 p3228 N91-27845 #
AD-A236250 ..... 19 p3236 N91-27894 #
AD-A236253 ..... 19 p3142 N91-27361 #
AD-A236254 ..... 19 p3101 N91-27135 #
AD-A236255 ..... 19 p3142 N91-27362 #
AD-A236266 ..... 19 p3180 N91-27585 #
AD-A236267 ..... 19 p3108 N91-27171 #
AD-A236270 ..... 19 p3234 N91-27882 #
AD-A236271 ..... 19 p3108 N91-27172 #
AD-A236274 ..... 19 p3186 N91-27621 #
AD-A236275 ..... 19 p3261 N91-28035 #
AD-A236287 ..... 19 p3180 N91-27586 #
AD-A236288 ..... 19 p3106 N91-27161 #
AD-A236289 ..... 19 p3158 N91-27460 #
AD-A236345 ..... 19 p3101 N91-27136 #
AD-A236347 ..... 19 p3187 N91-27622 #
AD-A236349 ..... 19 p3120 N91-27236 #
AD-A236350 ..... 19 p3151 N91-27415 #
AD-A236351 ..... 19 p3200 N91-27689 #
AD-A236353 ..... 19 p3246 N91-27951 #
AD-A236355 ..... 19 p3254 N91-28004 #
AD-A236358 ..... 19 p3158 N91-27461 #
AD-A236360 ..... 19 p3254 N91-28005 #
AD-A236368 ..... 22 p3623 N91-30158 #
AD-A236401 ..... 19 p3228 N91-27846 #
AD-A236402 ..... 19 p3159 N91-27462 #
AD-A236406 ..... 19 p3112 N91-27194 #
AD-A236409 ..... 19 p3126 N91-27272 #
AD-A236410 ..... 19 p3142 N91-27363 #
AD-A236411 ..... 19 p3228 N91-27847 #
AD-A236412 ..... 19 p3229 N91-27848 #
AD-A236416 ..... 19 p3229 N91-27849 #
AD-A236417 ..... 19 p3229 N91-27850 #
AD-A236419 ..... 19 p3229 N91-27851 #
AD-A236421 ..... 19 p3159 N91-27463 #
AD-A236422 ..... 19 p3151 N91-27416 #
AD-A236428 ..... 19 p3255 N91-28006 #
AD-A236438 ..... 19 p3120 N91-27237 #
AD-A236441 ..... 19 p3151 N91-27417 #
AD-A236444 ..... 19 p3159 N91-27464 #
AD-A236445 ..... 19 p3159 N91-27465 #
AD-A236446 ..... 22 p3670 N91-30432 #
AD-A236450 ..... 22 p3621 N91-30146 #
AD-A236477 ..... 19 p3184 N91-27607 #
AD-A236478 ..... 19 p3261 N91-28036 #
AD-A236480 ..... 19 p3151 N91-27418 #
AD-A236482 ..... 19 p3212 N91-27755 #
AD-A236483 ..... 19 p3229 N91-27852 #
AD-A236485 ..... 19 p3142 N91-27364 #
AD-A236486 ..... 19 p3151 N91-27419 #
AD-A236487 ..... 19 p3164 N91-27495 #
AD-A236490 ..... 20 p3288 N91-28181 #
AD-A236493 ..... 19 p3109 N91-27174 #
AD-A236494 ..... 19 p3230 N91-27853 #
AD-A236497 ..... 22 p3609 N91-30075 #
AD-A236498 ..... 19 p3164 N91-27496 #
AD-A236501 ..... 15 p2425 N91-23434* #
AD-A236502 ..... 19 p3180 N91-27587 #
AD-A236503 ..... 19 p3102 N91-27137 #
AD-A236504 ..... 23 p3809 N91-31246 #
AD-A236514 ..... 19 p3246 N91-27952 #
AD-A236518 ..... 19 p3151 N91-27420 #
AD-A236524 ..... 19 p3230 N91-27854 #
AD-A236525 ..... 14 p2266 N91-22537* #
AD-A236526 ..... 19 p3187 N91-27623 #
AD-A236527 ..... 22 p3678 N91-30481 #
AD-A236534 ..... 19 p3102 N91-27138 #
AD-A236538 ..... 22 p3621 N91-30145 #
AD-A236541 ..... 19 p3181 N91-27588 #
AD-A236542 ..... 19 p3152 N91-27421 #
AD-A236543 ..... 19 p3255 N91-28007 #
AD-A236545 ..... 19 p3152 N91-27422 #
AD-A236556 ..... 16 p2580 N91-24300* #
AD-A236557 ..... 19 p3230 N91-27855 #
AD-A236561 ..... 19 p3278 N91-28130 #
AD-A236563 ..... 19 p3152 N91-27423 #
AD-A236564 ..... 19 p3144 N91-27379 #
AD-A236567 ..... 19 p3205 N91-27718 #
AD-A236587 ..... 22 p3740 N91-30838 #
AD-A236588 ..... 19 p3261 N91-28037 #
AD-A236589 ..... 19 p3126 N91-27273 #
AD-A236591 ..... 19 p3120 N91-27238 #
AD-A236593 ..... 19 p3175 N91-27553 #
AD-A236594 ..... 19 p3255 N91-28008 #
AD-A236596 ..... 20 p3423 N91-28987 #
AD-A236597 ..... 20 p3384 N91-28746 #
AD-A236598 ..... 20 p3396 N91-28823 #
AD-A236600 ..... 20 p3314 N91-28343 #
AD-A236601 ..... 20 p3384 N91-28747* #
AD-A236605 ..... 20 p3375 N91-28696 #
AD-A236614 ..... 19 p3112 N91-27195 #
AD-A236618 ..... 19 p3216 N91-27777 #
AD-A236623 ..... 19 p3209 N91-27739 #
AD-A236627 ..... 19 p3152 N91-27424 #
AD-A236629 ..... 20 p3336 N91-28477 #
AD-A236630 ..... 20 p3388 N91-28770 #
AD-A236632 ..... 20 p3388 N91-28771 #
AD-A236633 ..... 20 p3394 N91-28812 #
AD-A236635 ..... 20 p3377 N91-28707 #
AD-A236637 ..... 20 p3423 N91-28988 #
AD-A236638 ..... 20 p3303 N91-28280 #
AD-A236639 ..... 20 p3341 N91-28504 #
AD-A236640 ..... 22 p3627 N91-30182 #
AD-A236641 ..... 19 p3175 N91-27554* #
AD-A236642 ..... 19 p3175 N91-27555 #
AD-A236643 ..... 19 p3259 N91-28025* #
AD-A236644 ..... 19 p3152 N91-27425 #
AD-A236645 ..... 19 p3200 N91-27690 #
AD-A236646 ..... 19 p3238 N91-27903 #
AD-A236648 ..... 19 p3152 N91-27426 #
AD-A236650 ..... 19 p3127 N91-27274 #
AD-A236652 ..... 19 p3127 N91-27275 #
AD-A236653 ..... 19 p3261 N91-28038 #
AD-A236656 ..... 19 p3153 N91-27427 #
AD-A236662 ..... 22 p3691 N91-30550 #
AD-A236666 ..... 19 p3242 N91-27933 #
AD-A236667 ..... 15 p2425 N91-23433* #
AD-A236680 ..... 19 p3255 N91-28009 #
AD-A236681 ..... 19 p3127 N91-27276 #
AD-A236684 ..... 19 p3230 N91-27856 #
AD-A236685 ..... 19 p3230 N91-27857 #
AD-A236687 ..... 19 p3171 N91-27535 #
AD-A236688 ..... 19 p3172 N91-27536 #
AD-A236692 ..... 19 p3159 N91-27466 #
AD-A236696 ..... 19 p3120 N91-27239 #
AD-A236702 ..... 19 p3135 N91-27321 #
AD-A236705 ..... 19 p3246 N91-27953 #
AD-A236706 ..... 19 p3127 N91-27277 #
AD-A236707 ..... 19 p3238 N91-27904 #
AD-A236708 ..... 19 p3142 N91-27365 #
AD-A236709 ..... 19 p3127 N91-27278 #
AD-A236710 ..... 19 p3236 N91-27895 #
AD-A236711 ..... 19 p3217 N91-27778 #
AD-A236714 ..... 19 p3236 N91-27896 #
AD-A236717 ..... 19 p3230 N91-27858 #
AD-A236720 ..... 19 p3164 N91-27497 #
AD-A236730 ..... 20 p3424 N91-28989 #
AD-A236740 ..... 19 p3153 N91-27428 #
AD-A236741 ..... 19 p3142 N91-27366 #
AD-A236742 ..... 19 p3127 N91-27279 #
AD-A236744 ..... 19 p3206 N91-27719 #
AD-A236746 ..... 19 p3246 N91-27954 #
AD-A236749 ..... 19 p3153 N91-27429 #
AD-A236752 ..... 19 p3202 N91-27699 #
AD-A236755 ..... 19 p3106 N91-27162 #
AD-A236756 ..... 19 p3121 N91-27240 #
AD-A236759 ..... 19 p3128 N91-27280 #
AD-A236762 ..... 19 p3164 N91-27498 #
AD-A236766 ..... 19 p3264 N91-28052 #
AD-A236767 ..... 19 p3142 N91-27367 #
AD-A236769 ..... 19 p3242 N91-27934 #
AD-A236770 ..... 19 p3237 N91-27897 #
AD-A236771 ..... 19 p3202 N91-27700 #
AD-A236776 ..... 19 p3231 N91-27859 #
AD-A236781 ..... 19 p3159 N91-27467 #
AD-A236794 ..... 19 p3246 N91-27955 #
AD-A236795 ..... 20 p3337 N91-28478 #
AD-A236796 ..... 19 p3234 N91-27883 #
AD-A236799 ..... 19 p3234 N91-27884 #
AD-A236809 ..... 19 p3160 N91-27468 #

AD-A236810 ..... 19 p3143 N91-27368 #
AD-A236812 ..... 19 p3243 N91-27935 #
AD-A236813 ..... 19 p3153 N91-27430 #
AD-A236821 ..... 19 p3175 N91-27556 #
AD-A236823 ..... 21 p3526 N91-29586 #
AD-A236825 ..... 19 p3231 N91-27860 #
AD-A236826 ..... 19 p3172 N91-27537 #
AD-A236828 ..... 21 p3484 N91-29326 #
AD-A236832 ..... 19 p3239 N91-27912 #
AD-A236833 ..... 19 p3104 N91-27148 #
AD-A236835 ..... 19 p3232 N91-27872 #
AD-A236836 ..... 19 p3257 N91-28017 #
AD-A236838 ..... 19 p3168 N91-27518 #
AD-A236839 ..... 19 p3153 N91-27431 #
AD-A236842 ..... 16 p2677 N91-24819* #
AD-A236844 ..... 19 p3238 N91-27905 #
AD-A236846 ..... 19 p3262 N91-28039 #
AD-A236847 ..... 19 p3153 N91-27432 #
AD-A236848 ..... 19 p3231 N91-27861 #
AD-A236849 ..... 19 p3104 N91-27149 #
AD-A236850 ..... 19 p3257 N91-28018 #
AD-A236852 ..... 19 p3175 N91-27557 #
AD-A236861 ..... 19 p3164 N91-27499 #
AD-A236869 ..... 19 p3121 N91-27241 #
AD-A236871 ..... 19 p3255 N91-28010 #
AD-A236873 ..... 19 p3112 N91-27196 #
AD-A236878 ..... 17 p2772 N91-25336 #
AD-A236881 ..... 19 p3255 N91-28011 #
AD-A236889 ..... 19 p3181 N91-27589 #
AD-A236901 ..... 19 p3255 N91-28012 #
AD-A236904 ..... 19 p3237 N91-27898 #
AD-A236912 ..... 19 p3160 N91-27469 #
AD-A236916 ..... 19 p3160 N91-27470 #
AD-A236922 ..... 19 p3165 N91-27500 #
AD-A236923 ..... 19 p3237 N91-27899 #
AD-A236927 ..... 19 p3264 N91-28053 #
AD-A236928 ..... 19 p3109 N91-27176 #
AD-A236934 ..... 19 p3153 N91-27433 #
AD-A236936 ..... 19 p3154 N91-27434 #
AD-A236938 ..... 19 p3160 N91-27471 #
AD-A236940 ..... 19 p3154 N91-27435 #
AD-A236941 ..... 19 p3112 N91-27197 #
AD-A236942 ..... 19 p3257 N91-28019 #
AD-A236946 ..... 19 p3160 N91-27472 #
AD-A236947 ..... 19 p3143 N91-27369 #
AD-A236960 ..... 19 p3160 N91-27473 #
AD-A236967 ..... 19 p3262 N91-28040 #
AD-A236968 ..... 19 p3172 N91-27538 #
AD-A236969 ..... 19 p3215 N91-27771 #
AD-A236970 ..... 19 p3160 N91-27474 #
AD-A236975 ..... 19 p3181 N91-27590 #
AD-A236978 ..... 19 p3256 N91-28013 #
AD-A236985 ..... 19 p3161 N91-27475 #
AD-A236987 ..... 19 p3184 N91-27608 #
AD-A236991 ..... 19 p3237 N91-27900 #
AD-A236992 ..... 19 p3215 N91-27772 #
AD-A236993 ..... 19 p3143 N91-27370 #
AD-A236999 ..... 20 p3322 N91-28387 #
AD-A237000 ..... 20 p3437 N91-29072 #
AD-A237001 ..... 20 p3322 N91-28388 #
AD-A237012 ..... 20 p3333 N91-28458 #
AD-A237013 ..... 20 p3322 N91-28389 #
AD-A237015 ..... 19 p3143 N91-27371 #
AD-A237020 ..... 19 p3128 N91-27281 #
AD-A237021 ..... 20 p3307 N91-28304 #
AD-A237023 ..... 20 p3337 N91-28479 #
AD-A237025 ..... 20 p3391 N91-28791 #
AD-A237028 ..... 20 p3302 N91-28273 #
AD-A237030 ..... 20 p3333 N91-28459 #
AD-A237034 ..... 20 p3395 N91-28816 #
AD-A237049 ..... 20 p3384 N91-28748 #
AD-A237056 ..... 20 p3333 N91-28460 #
AD-A237057 ..... 20 p3333 N91-28461 #
AD-A237062 ..... 21 p3481 N91-29308 #
AD-A237063 ..... 21 p3545 N91-29697 #
AD-A237064 ..... 21 p3481 N91-29309 #
AD-A237065 ..... 13 p2043 N91-21234* #
AD-A237085 ..... 21 p3486 N91-29337 #
AD-A237086 ..... 21 p3486 N91-29338 #
AD-A237087 ..... 21 p3474 N91-29268 #
AD-A237089 ..... 21 p3541 N91-29671 #
AD-A237100 ..... 21 p3545 N91-29698 #
AD-A237105 ..... 21 p3554 N91-29748 #
AD-A237106 ..... 21 p3498 N91-29411 #
AD-A237107 ..... 21 p3581 N91-29918 #
AD-A237114 ..... 21 p3532 N91-29621 #
AD-A237118 ..... 21 p3554 N91-29749 #
AD-A237120 ..... 21 p3453 N91-29153 #
AD-A237122 ..... 16 p2667 N91-24759* #
AD-A237123 ..... 22 p3712 N91-30659 #
AD-A237127 ..... 21 p3474 N91-29269 #
AD-A237133 ..... 21 p3594 N91-29996 #
AD-A237134 ..... 21 p3504 N91-29448 #
AD-A237138 ..... 21 p3574 N91-29874 #
AD-A237140 ..... 21 p3567 N91-29833 #
AD-A237143 ..... 15 p2439 N91-23514* #
AD-A237144 ..... 21 p3554 N91-29750 #
AD-A237146 ..... 21 p3565 N91-29817 #
AD-A237156 ..... 21 p3555 N91-29751 #
AD-A237157 ..... 21 p3574 N91-29875 #
AD-A237167 ..... 21 p3545 N91-29699 #
AD-A237168 ..... 21 p3574 N91-29876 #
AD-A237169 ..... 21 p3522 N91-29564 #
AD-A237171 ..... 21 p3581 N91-29919 #
AD-A237174 ..... 21 p3486 N91-29339 #
AD-A237175 ..... 21 p3451 N91-29141 #
AD-A237176 ..... 21 p3481 N91-29310 #
AD-A237178 ..... 21 p3523 N91-29565 #
AD-A237183 ..... 21 p3523 N91-29566 #
AD-A237190 ..... 21 p3555 N91-29752 #
AD-A237193 ..... 21 p3570 N91-29852 #
AD-A237195 ..... 22 p3657 N91-30354 #
AD-A237201 ..... 17 p2728 N91-25105* #
AD-A237202 ..... 16 p2679 N91-24833* #
AD-A237203 ..... 16 p2549 N91-24125* #
AD-A237204 ..... 16 p2627 N91-24546* #
AD-A237206 ..... 21 p3551 N91-29733 #
AD-A237221 ..... 21 p3534 N91-29637 #
AD-A237222 ..... 21 p3474 N91-29270 #
AD-A237223 ..... 21 p3486 N91-29340 #
AD-A237228 ..... 21 p3486 N91-29341 #
AD-A237232 ..... 21 p3451 N91-29142 #
AD-A237234 ..... 21 p3538 N91-29657 #
AD-A237241 ..... 21 p3555 N91-29753 #
AD-A237250 ..... 21 p3565 N91-29818 #
AD-A237258 ..... 21 p3504 N91-29449 #
AD-A237259 ..... 21 p3555 N91-29754 #
AD-A237262 ..... 17 p2832 N91-25644* #
AD-A237263 ..... 21 p3523 N91-29567 #
AD-A237265 ..... 21 p3456 N91-29171 #
AD-A237270 ..... 21 p3563 N91-29802 #
AD-A237271 ..... 21 p3504 N91-29450 #
AD-A237285 ..... 21 p3567 N91-29834 #
AD-A237287 ..... 21 p3574 N91-29877 #
AD-A237288 ..... 21 p3486 N91-29342 #
AD-A237289 ..... 21 p3486 N91-29343 #
AD-A237290 ..... 21 p3487 N91-29344 #
AD-A237291 ..... 21 p3487 N91-29345 #
AD-A237292 ..... 21 p3541 N91-29672 #
AD-A237300 ..... 22 p3717 N91-30690 #
AD-A237308 ..... 16 p2558 N91-24190 #
AD-A237317 ..... 21 p3527 N91-29595 #
AD-A237321 ..... 17 p2887 N91-25959 #
AD-A237324 ..... 21 p3529 N91-29607 #
AD-A237331 ..... 21 p3532 N91-29622 #
AD-A237332 ..... 21 p3532 N91-29623 #
AD-A237333 ..... 21 p3487 N91-29346 #
AD-A237334 ..... 21 p3487 N91-29347 #
AD-A237340 ..... 21 p3541 N91-29673 #
AD-A237344 ..... 16 p2549 N91-24126* #
AD-A237345 ..... 17 p2730 N91-25119 #
AD-A237349 ..... 21 p3457 N91-29172 #
AD-A237350 ..... 21 p3555 N91-29755 #
AD-A237352 ..... 21 p3505 N91-29451 #
AD-A237354 ..... 21 p3559 N91-29779 #
AD-A237355 ..... 21 p3603 N91-30047 #
AD-A237357 ..... 21 p3498 N91-29412 #
AD-A237358 ..... 16 p2681 N91-24843 #
AD-A237361 ..... 21 p3581 N91-29920 #
AD-A237362 ..... 21 p3487 N91-29348 #
AD-A237384 ..... 09 p1423 N91-17835* #
AD-A237388 ..... 21 p3498 N91-29413 #
AD-A237390 ..... 21 p3536 N91-29647 #
AD-A237391 ..... 21 p3550 N91-29724 #
AD-A237411 ..... 21 p3552 N91-29738 #
AD-A237412 ..... 21 p3505 N91-29452 #
AD-A237413 ..... 21 p3513 N91-29507 #
AD-A237414 ..... 21 p3459 N91-29182 #
AD-A237415 ..... 22 p3729 N91-30759 #
AD-A237418 ..... 21 p3555 N91-29756 #
AD-A237423 ..... 21 p3470 N91-29242 #
AD-A237425 ..... 21 p3513 N91-29508 #
AD-A237427 ..... 21 p3523 N91-29568 #
AD-A237428 ..... 21 p3588 N91-29961 #
AD-A237429 ..... 21 p3487 N91-29349 #
AD-A237430 ..... 21 p3487 N91-29350 #
AD-A237435 ..... 21 p3595 N91-29997 #
AD-A237436 ..... 21 p3499 N91-29414 #
AD-A237437 ..... 21 p3565 N91-29819 #
AD-A237439 ..... 21 p3505 N91-29453 #
AD-A237441 ..... 21 p3462 N91-29198 #
AD-A237447 ..... 21 p3548 N91-29716 #
AD-A237451 ..... 21 p3505 N91-29454 #
AD-A237452 ..... 21 p3549 N91-29717 #
AD-A237454 ..... 21 p3555 N91-29757 #
AD-A237455 ..... 21 p3543 N91-29683 #
AD-A237456 ..... 21 p3595 N91-29998 #
AD-A237457 ..... 21 p3595 N91-29999 #
AD-A237458 ..... 21 p3546 N91-29700 #
AD-A237459 ..... 21 p3574 N91-29878 #
AD-A237460 ..... 21 p3575 N91-29879 #
AD-A237462 ..... 21 p3575 N91-29880 #

AD-A237463 ..... 21 p3595 N91-30000 #
AD-A237466 ..... 21 p3595 N91-30001 #
AD-A237467 ..... 21 p3488 N91-29351 #
AD-A237469 ..... 21 p3551 N91-29734 #
AD-A237470 ..... 21 p3455 N91-29162 #
AD-A237471 ..... 21 p3470 N91-29243 #
AD-A237472 ..... 21 p3488 N91-29352 #
AD-A237475 ..... 21 p3559 N91-29780 #
AD-A237476 ..... 21 p3553 N91-29739 #
AD-A237477 ..... 21 p3559 N91-29781 #
AD-A237478 ..... 21 p3575 N91-29881 #
AD-A237480 ..... 21 p3556 N91-29758 #
AD-A237486 ..... 21 p3475 N91-29271 #
AD-A237497 ..... 21 p3513 N91-29509 #
AD-A237498 ..... 21 p3603 N91-30048 #
AD-A237499 ..... 21 p3595 N91-30002 #
AD-A237501 ..... 21 p3559 N91-29782 #
AD-A237502 ..... 21 p3556 N91-29759 #
AD-A237503 ..... 21 p3475 N91-29272 #
AD-A237504 ..... 21 p3596 N91-30003 #
AD-A237505 ..... 21 p3505 N91-29455 #
AD-A237506 ..... 21 p3575 N91-29882 #
AD-A237507 ..... 21 p3575 N91-29883 #
AD-A237508 ..... 21 p3575 N91-29884 #
AD-A237509 ..... 21 p3596 N91-30004 #
AD-A237532 ..... 22 p3741 N91-30841 #
AD-A237535 ..... 21 p3538 N91-29658 #
AD-A237538 ..... 21 p3488 N91-29353 #
AD-A237540 ..... 21 p3550 N91-29725 #
AD-A237555 ..... 16 p2666 N91-24746* #
AD-A237564 ..... 21 p3499 N91-29415 #
AD-A237567 ..... 21 p3493 N91-29383 #
AD-A237568 ..... 21 p3581 N91-29921 #
AD-A237569 ..... 21 p3459 N91-29183 #
AD-A237571 ..... 21 p3505 N91-29456 #
AD-A237572 ..... 21 p3514 N91-29510 #
AD-A237573 ..... 21 p3553 N91-29740 #
AD-A237574 ..... 21 p3523 N91-29569 #
AD-A237577 ..... 21 p3546 N91-29701 #
AD-A237588 ..... 22 p3710 N91-30645 #
AD-A237589 ..... 21 p3534 N91-29638 #
AD-A237593 ..... 17 p2824 N91-25602 #
AD-A237598 ..... 21 p3481 N91-29311 #
AD-A237599 ..... 21 p3459 N91-29184 #
AD-A237601 ..... 21 p3470 N91-29244 #
AD-A237604 ..... 22 p3647 N91-30297 #
AD-A237605 ..... 22 p3647 N91-30298 #
AD-A237606 ..... 22 p3647 N91-30299 #
AD-A237607 ..... 21 p3475 N91-29273 #
AD-A237612 ..... 21 p3499 N91-29416 #
AD-A237614 ..... 21 p3607 N91-30069 #
AD-A237624 ..... 21 p3541 N91-29674 #
AD-A237626 ..... 21 p3568 N91-29835 #
AD-A237627 ..... 21 p3541 N91-29675 #
AD-A237628 ..... 21 p3563 N91-29803 #
AD-A237632 ..... 21 p3505 N91-29457 #
AD-A237640 ..... 21 p3538 N91-29659 #
AD-A237641 ..... 21 p3552 N91-29735 #
AD-A237654 ..... 21 p3547 N91-29710 #
AD-A237658 ..... 21 p3571 N91-29853 #
AD-A237663 ..... 21 p3581 N91-29922 #
AD-A237669 ..... 21 p3523 N91-29570 #
AD-A237670 ..... 21 p3506 N91-29458 #
AD-A237671 ..... 15 p2426 N91-23439* #
AD-A237673 ..... 21 p3499 N91-29417 #
AD-A237674 ..... 21 p3541 N91-29676 #
AD-A237675 ..... 21 p3542 N91-29677 #
AD-A237683 ..... 21 p3543 N91-29684 #
AD-A237685 ..... 21 p3527 N91-29596 #
AD-A237695 ..... 21 p3506 N91-29459 #
AD-A237696 ..... 21 p3560 N91-29783 #
AD-A237703 ..... 21 p3563 N91-29804 #
AD-A237704 ..... 21 p3549 N91-29718 #
AD-A237705 ..... 21 p3560 N91-29784 #
AD-A237710 ..... 21 p3596 N91-30005 #
AD-A237716 ..... 22 p3683 N91-30505 #
AD-A237722 ..... 21 p3565 N91-29820 #
AD-A237736 ..... 21 p3455 N91-29163 #
AD-A237743 ..... 18 p3038 N91-26767* #
AD-A237750 ..... 21 p3488 N91-29354 #
AD-A237751 ..... 21 p3596 N91-30006 #
AD-A237753 ..... 21 p3488 N91-29355 #
AD-A237754 ..... 21 p3556 N91-29760 #
AD-A237755 ..... 21 p3582 N91-29923 #
AD-A237757 ..... 21 p3514 N91-29511 #
AD-A237758 ..... 21 p3596 N91-30007 #
AD-A237759 ..... 21 p3582 N91-29924 #
AD-A237767 ..... 21 p3550 N91-29726 #
AD-A237768 ..... 21 p3481 N91-29312 #
AD-A237784 ..... 21 p3482 N91-29313 #
AD-A237785 ..... 21 p3596 N91-30008 #
AD-A237792 ..... 21 p3506 N91-29460 #
AD-A237793 ..... 21 p3475 N91-29274 #
AD-A237794 ..... 21 p3582 N91-29925 #
AD-A237795 ..... 21 p3597 N91-30009 #
AD-A237797 ..... 21 p3597 N91-30010 #
AD-A237798 ..... 21 p3597 N91-30011 #
AD-A237802 ..... 21 p3566 N91-29821 #
AD-A237811 ..... 21 p3451 N91-29143 #
AD-A237817 ..... 21 p3452 N91-29148 #
AD-A237818 ..... 21 p3543 N91-29685 #
AD-A237840 ..... 21 p3582 N91-29926 #
AD-A237841 ..... 21 p3488 N91-29356 #
AD-A237843 ..... 21 p3506 N91-29461 #
AD-A237844 ..... 21 p3514 N91-29512 #
AD-A237845 ..... 21 p3532 N91-29624 #
AD-A237846 ..... 21 p3550 N91-29727 #
AD-A237847 ..... 21 p3566 N91-29822 #
AD-A237851 ..... 21 p3466 N91-29223 #
AD-A237853 ..... 21 p3466 N91-29224 #
AD-A237854 ..... 17 p2735 N91-25146 #
AD-A237855 ..... 17 p2849 N91-25750 #
AD-A237856 ..... 21 p3560 N91-29785 #
AD-A237857 ..... 21 p3528 N91-29597 #
AD-A237858 ..... 22 p3626 N91-30179 #
AD-A237859 ..... 21 p3475 N91-29275 #
AD-A237864 ..... 21 p3465 N91-29214 #
AD-A237878 ..... 21 p3566 N91-29823 #
AD-A237880 ..... 21 p3506 N91-29462 #
AD-A237881 ..... 21 p3488 N91-29357 #
AD-A237883 ..... 21 p3482 N91-29314 #
AD-A237884 ..... 21 p3523 N91-29571 #
AD-A237885 ..... 21 p3506 N91-29463 #
AD-A237888 ..... 21 p3514 N91-29513 #
AD-A237889 ..... 21 p3506 N91-29464 #
AD-A237890 ..... 21 p3499 N91-29418 #
AD-A237899 ..... 22 p3627 N91-30180 #
AD-A237901 ..... 21 p3532 N91-29625 #
AD-A237903 ..... 21 p3507 N91-29465 #
AD-A237904 ..... 21 p3582 N91-29927 #
AD-A237905 ..... 21 p3556 N91-29761 #
AD-A237909 ..... 21 p3607 N91-30070 #
AD-A237922 ..... 21 p3556 N91-29762 #
AD-A237923 ..... 21 p3514 N91-29514 #
AD-A237924 ..... 21 p3530 N91-29608 #
AD-A237925 ..... 21 p3489 N91-29358 #
AD-A237927 ..... 16 p2644 N91-24638 #
AD-A237931 ..... 21 p3482 N91-29315 #
AD-A237937 ..... 21 p3514 N91-29515 #
AD-A237938 ..... 21 p3463 N91-29205 #
AD-A237940 ..... 21 p3468 N91-29234 #
AD-A237941 ..... 21 p3499 N91-29419 #
AD-A237942 ..... 21 p3463 N91-29206 #
AD-A237943 ..... 21 p3514 N91-29516 #
AD-A237944 ..... 21 p3536 N91-29648 #
AD-A237946 ..... 21 p3597 N91-30012 #
AD-A237949 ..... 18 p2927 N91-26150 #
AD-A237955 ..... 21 p3597 N91-30013 #
AD-A237958 ..... 21 p3475 N91-29276 #
AD-A237959 ..... 21 p3563 N91-29805 #
AD-A237974 ..... 21 p3538 N91-29660 #
AD-A237982 ..... 21 p3500 N91-29420 #
AD-A237988 ..... 21 p3515 N91-29517 #
AD-A237997 ..... 21 p3515 N91-29518 #
AD-A237998 ..... 21 p3543 N91-29686 #
AD-A238001 ..... 21 p3507 N91-29466 #
AD-A238005 ..... 21 p3500 N91-29421 #
AD-A238006 ..... 21 p3563 N91-29806 #
AD-A238011 ..... 21 p3467 N91-29225 #
AD-A238012 ..... 21 p3519 N91-29543 #
AD-A238016 ..... 21 p3534 N91-29639 #
AD-A238017 ..... 21 p3507 N91-29467 #
AD-A238018 ..... 21 p3556 N91-29763 #
AD-A238019 ..... 21 p3500 N91-29422 #
AD-A238020 ..... 21 p3470 N91-29245 #
AD-A238022 ..... 21 p3546 N91-29702 #
AD-A238023 ..... 21 p3572 N91-29862 #
AD-A238024 ..... 22 p3662 N91-30388 #
AD-A238026 ..... 21 p3535 N91-29640 #
AD-A238028 ..... 21 p3476 N91-29277 #
AD-A238029 ..... 21 p3532 N91-29626 #
AD-A238034 ..... 21 p3582 N91-29928 #
AD-A238035 ..... 21 p3566 N91-29824 #
AD-A238039 ..... 21 p3453 N91-29154 #
AD-A238040 ..... 21 p3453 N91-29155 #
AD-A238041 ..... 21 p3454 N91-29156 #
AD-A238044 ..... 21 p3582 N91-29929 #
AD-A238046 ..... 21 p3560 N91-29786 #
AD-A238047 ..... 21 p3560 N91-29787 #
AD-A238048 ..... 21 p3560 N91-29788 #
AD-A238049 ..... 21 p3560 N91-29789 #
AD-A238051 ..... 21 p3515 N91-29519 #
AD-A238052 ..... 21 p3470 N91-29246 #
AD-A238053 ..... 21 p3457 N91-29173 #
AD-A238054 ..... 21 p3543 N91-29687 #
AD-A238064 ..... 21 p3463 N91-29207 #
AD-A238065 ..... 18 p3044 N91-26804* #
AD-A238066 ..... 21 p3566 N91-29825 #
AD-A238071 ..... 21 p3476 N91-29278 #
AD-A238080 ..... 21 p3489 N91-29359 #
AD-A238081 ..... 21 p3500 N91-29423 #
AD-A238082 ..... 21 p3500 N91-29424 #

AD-A238095 ..... 21 p3489 N91-29360 #
AD-A238097 ..... 21 p3556 N91-29764 #
AD-A238098 ..... 21 p3542 N91-29678 #
AD-A238099 ..... 21 p3524 N91-29572 #
AD-A238100 ..... 21 p3568 N91-29836 #
AD-A238102 ..... 17 p2743 N91-25178* #
AD-A238110 ..... 21 p3524 N91-29573 #
AD-A238111 ..... 21 p3519 N91-29544 #
AD-A238112 ..... 21 p3489 N91-29361 #
AD-A238113 ..... 21 p3557 N91-29765 #
AD-A238115 ..... 21 p3507 N91-29468 #
AD-A238130 ..... 21 p3482 N91-29316 #
AD-A238138 ..... 21 p3546 N91-29703 #
AD-A238149 ..... 22 p3759 N91-30955 #
AD-A238151 ..... 21 p3482 N91-29317 #
AD-A238152 ..... 21 p3597 N91-30014 #
AD-A238154 ..... 21 p3476 N91-29279 #
AD-A238156 ..... 21 p3576 N91-29885 #
AD-A238159 ..... 21 p3465 N91-29215 #
AD-A238160 ..... 21 p3557 N91-29766 #
AD-A238162 ..... 21 p3557 N91-29767 #
AD-A238165 ..... 21 p3566 N91-29826 #
AD-A238166 ..... 21 p3524 N91-29574 #
AD-A238175 ..... 21 p3489 N91-29362 #
AD-A238178 ..... 21 p3576 N91-29886 #
AD-A238179 ..... 21 p3467 N91-29226 #
AD-A238180 ..... 21 p3568 N91-29837 #
AD-A238182 ..... 21 p3459 N91-29185 #
AD-A238196 ..... 21 p3489 N91-29363 #
AD-A238197 ..... 21 p3524 N91-29575 #
AD-A238198 ..... 21 p3598 N91-30015 #
AD-A238204 ..... 21 p3490 N91-29364 #
AD-A238218 ..... 22 p3662 N91-30389 #
AD-A238219 ..... 21 p3568 N91-29838 #
AD-A238220 ..... 21 p3568 N91-29839 #
AD-A238222 ..... 21 p3568 N91-29840 #
AD-A238227 ..... 21 p3507 N91-29469 #
AD-A238229 ..... 21 p3569 N91-29841 #
AD-A238231 ..... 21 p3576 N91-29887 #
AD-A238233 ..... 21 p3500 N91-29425 #
AD-A238234 ..... 21 p3557 N91-29768 #
AD-A238244 ..... 21 p3550 N91-29728 #
AD-A238245 ..... 21 p3524 N91-29576 #
AD-A238252 ..... 21 p3563 N91-29807 #
AD-A238260 ..... 21 p3476 N91-29280 #
AD-A238262 ..... 21 p3500 N91-29426 #
AD-A238266 ..... 21 p3557 N91-29769* #
AD-A238272 ..... 21 p3507 N91-29470 #
AD-A238277 ..... 21 p3470 N91-29247 #
AD-A238279 ..... 21 p3572 N91-29863 #
AD-A238280 ..... 21 p3501 N91-29427 #
AD-A238289 ..... 21 p3470 N91-29248 #
AD-A238292 ..... 21 p3571 N91-29854 #
AD-A238300 ..... 21 p3546 N91-29704 #
AD-A238305 ..... 21 p3543 N91-29688 #
AD-A238310 ..... 21 p3603 N91-30049 #
AD-A238312 ..... 21 p3530 N91-29609 #
AD-A238313 ..... 23 p3809 N91-31249 #
AD-A238319 ..... 21 p3490 N91-29365 #
AD-A238322 ..... 22 p3727 N91-30744 #
AD-A238325 ..... 06 p0772 N91-14278 #
AD-A238340 ..... 22 p3675 N91-30460 #
AD-A238348 ..... 22 p3647 N91-30300 #
AD-A238350 ..... 22 p3759 N91-30956 #
AD-A238352 ..... 22 p3770 N91-31019 #
AD-A238364 ..... 22 p3737 N91-30811 #
AD-A238365 ..... 22 p3683 N91-30506 #
AD-A238374 ..... 22 p3759 N91-30957 #
AD-A238383 ..... 22 p3729 N91-30756 #
AD-A238387 ..... 21 p3501 N91-29428 #
AD-A238389 ..... 21 p3603 N91-30050 #
AD-A238390 ..... 21 p3569 N91-29842 #
AD-A238392 ..... 21 p3507 N91-29471 #
AD-A238393 ..... 21 p3519 N91-29545 #
AD-A238397 ..... 21 p3542 N91-29679 #
AD-A238398 ..... 21 p3576 N91-29888 #
AD-A238399 ..... 21 p3569 N91-29843 #
AD-A238400 ..... 21 p3490 N91-29366 #
AD-A238406 ..... 21 p3459 N91-29186 #
AD-A238423 ..... 21 p3533 N91-29627 #
AD-A238427 ..... 21 p3598 N91-30016* #
AD-A238443 ..... 21 p3566 N91-29827 #
AD-A238444 ..... 21 p3465 N91-29216 #
AD-A238445 ..... 21 p3557 N91-29770 #
AD-A238448 ..... 21 p3558 N91-29771 #
AD-A238456 ..... 21 p3457 N91-29174 #
AD-A238457 ..... 21 p3569 N91-29844 #
AD-A238458 ..... 21 p3567 N91-29828 #
AD-A238459 ..... 21 p3583 N91-29930 #
AD-A238460 ..... 21 p3598 N91-30017 #
AD-A238461 ..... 21 p3576 N91-29889 #
AD-A238463 ..... 22 p3668 N91-30422 #
AD-A238470 ..... 22 p3650 N91-30314 #
AD-A238475 ..... 22 p3644 N91-30279 #
AD-A238482 ..... 21 p3576 N91-29890 #
AD-A238483 ..... 21 p3519 N91-29546 #
AD-A238485 ..... 21 p3465 N91-29217 #
AD-A238487 ..... 21 p3520 N91-29547 #
AD-A238489 ..... 21 p3544 N91-29689 #
AD-A238491 ..... 22 p3648 N91-30301 #
AD-A238493 ..... 21 p3561 N91-29790 #
AD-A238494 ..... 21 p3564 N91-29808 #
AD-A238495 ..... 21 p3567 N91-29829 #
AD-A238505 ..... 21 p3598 N91-30018 #
AD-A238506 ..... 21 p3598 N91-30019 #
AD-A238507 ..... 21 p3567 N91-29830 #
AD-A238520 ..... 21 p3598 N91-30020 #
AD-A238521 ..... 21 p3598 N91-30021 #
AD-A238531 ..... 21 p3544 N91-29690 #
AD-A238533 ..... 21 p3533 N91-29628 #
AD-A238536 ..... 21 p3558 N91-29772 #
AD-A238538 ..... 21 p3567 N91-29831 #
AD-A238545 ..... 21 p3553 N91-29741 #
AD-A238546 ..... 21 p3576 N91-29891 #
AD-A238547 ..... 21 p3490 N91-29367 #
AD-A238548 ..... 21 p3604 N91-30051 #
AD-A238554 ..... 21 p3558 N91-29773 #
AD-A238555 ..... 21 p3501 N91-29429 #
AD-A238556 ..... 21 p3569 N91-29845 #
AD-A238557 ..... 21 p3467 N91-29227 #
AD-A238558 ..... 21 p3542 N91-29680 #
AD-A238561 ..... 21 p3465 N91-29218 #
AD-A238563 ..... 21 p3551 N91-29729 #
AD-A238564 ..... 21 p3551 N91-29730 #
AD-A238565 ..... 21 p3552 N91-29736 #
AD-A238570 ..... 21 p3455 N91-29164 #
AD-A238575 ..... 21 p3544 N91-29691 #
AD-A238576 ..... 21 p3583 N91-29931 #
AD-A238583 ..... 21 p3494 N91-29389 #
AD-A238588 ..... 21 p3583 N91-29932 #
AD-A238592 ..... 21 p3508 N91-29472 #
AD-A238595 ..... 21 p3508 N91-29473 #
AD-A238596 ..... 21 p3524 N91-29577 #
AD-A238597 ..... 21 p3551 N91-29731 #
AD-A238600 ..... 21 p3515 N91-29520 #
AD-A238601 ..... 21 p3558 N91-29774 #
AD-A238602 ..... 22 p3760 N91-30958 #
AD-A238611 ..... 21 p3558 N91-29775 #
AD-A238612 ..... 21 p3571 N91-29856 #
AD-A238617 ..... 21 p3551 N91-29732 #
AD-A238618 ..... 21 p3471 N91-29249 #
AD-A238628 ..... 21 p3493 N91-29384 #
AD-A238630 ..... 21 p3569 N91-29846 #
AD-A238631 ..... 21 p3561 N91-29791 #
AD-A238633 ..... 21 p3570 N91-29847 #
AD-A238634 ..... 21 p3599 N91-30022 #
AD-A238635 ..... 21 p3544 N91-29692 #
AD-A238638 ..... 21 p3515 N91-29521 #
AD-A238639 ..... 21 p3508 N91-29474 #
AD-A238642 ..... 21 p3599 N91-30023 #
AD-A238643 ..... 21 p3490 N91-29368 #
AD-A238644 ..... 21 p3604 N91-30052 #
AD-A238645 ..... 21 p3515 N91-29522 #
AD-A238659 ..... 21 p3549 N91-29719 #
AD-A238660 ..... 21 p3457 N91-29175 #
AD-A238663 ..... 21 p3549 N91-29720 #
AD-A238664 ..... 21 p3549 N91-29721 #
AD-A238665 ..... 21 p3571 N91-29857 #
AD-A239354 ..... 23 p3799 N91-31191 #
AD-A239356 ..... 23 p3862 N91-31534 #
AD-A239358 ..... 23 p3914 N91-31856 #
AD-A239359 ..... 23 p3808 N91-31241 #
AD-A239361 ..... 23 p3862 N91-31535 #
AD-A239365 ..... 23 p3874 N91-31612 #
AD-A239372 ..... 17 p2850 N91-25755* #
AD-A239376 ..... 23 p3820 N91-31310 #
AD-A239382 ..... 23 p3917 N91-31875 #
AD-A239388 ..... 23 p3897 N91-31754 #
AD-A239393 ..... 23 p3899 N91-31765 #
AD-A239394 ..... 23 p3812 N91-31264 #
AD-A239395 ..... 23 p3914 N91-31857 #
AD-A239397 ..... 23 p3820 N91-31311 #
AD-A239398 ..... 23 p3820 N91-31312 #
AD-A239417 ..... 23 p3802 N91-31205 #
AD-A239419 ..... 23 p3922 N91-31912 #
AD-A239423 ..... 23 p3936 N91-31999 #
AD-A239435 ..... 23 p3936 N91-32000 #
AD-A239442 ..... 23 p3899 N91-31766 #
AD-A239444 ..... 24 p3950 N91-32081 #
AD-A239452 ..... 23 p3901 N91-31772 #
AD-A239455 ..... 23 p3907 N91-31811 #
AD-A239456 ..... 24 p4077 N91-32773 #
AD-A239457 ..... 23 p3914 N91-31858 #
AD-A239458 ..... 24 p4073 N91-32754 #
AD-A239459 ..... 23 p3862 N91-31536 #
AD-A239460 ..... 23 p3879 N91-31643 #
AD-A239461 ..... 23 p3898 N91-31757 #
AD-A239464 ..... 23 p3781 N91-31079 #
AD-A239465 ..... 23 p3862 N91-31537 #
AD-A239467 ..... 23 p3906 N91-31804 #
AD-A239469 ..... 24 p4081 N91-32796 #
AD-A239470 ..... 23 p3914 N91-31859 #

AD-A239471 ..... 10 p1463 N91-18067 #
AD-A239488 ..... 23 p3938 N91-32011 #
AD-A239490 ..... 23 p3937 N91-32001 #
AD-A239493 ..... 23 p3900 N91-31767 #
AD-A239496 ..... 23 p3888 N91-31697 #
AD-A239497 ..... 14 p2272 N91-22570* #
AD-A239498 ..... 17 p2782 N91-25395* #
AD-A239499 ..... 14 p2271 N91-22566* #
AD-A239500 ..... 15 p2437 N91-23500* #
AD-A239501 ..... 14 p2271 N91-22568* #
AD-A239502 ..... 18 p2943 N91-26233* #
AD-A239503 ..... 14 p2241 N91-22402* #
AD-A239504 ..... 23 p3863 N91-31538 #
AD-A239507 ..... 23 p3863 N91-31539 #
AD-A239509 ..... 23 p3808 N91-31242 #
AD-A239511 ..... 23 p3791 N91-31141 #
AD-A239512 ..... 23 p3906 N91-31805 #
AD-A239515 ..... 23 p3923 N91-31919 #
AD-A239518 ..... 23 p3928 N91-31951 #
AD-A239520 ..... 23 p3895 N91-31739 #
AD-A239521 ..... 23 p3908 N91-31812 #
AD-A239522 ..... 19 p3165 N91-27501* #
AD-A239524 ..... 23 p3799 N91-31192 #
AD-A239530 ..... 23 p3812 N91-31265 #
AD-A239531 ..... 23 p3808 N91-31243 #
AD-A239532 ..... 23 p3863 N91-31540 #
AD-A239533 ..... 23 p3856 N91-31501 #
AD-A239534 ..... 23 p3856 N91-31502 #
AD-A239535 ..... 23 p3857 N91-31503 #
AD-A239536 ..... 24 p4031 N91-32521 #
AD-A239544 ..... 23 p3812 N91-31266 #
AD-A239545 ..... 23 p3857 N91-31504 #
AD-A239546 ..... 23 p3808 N91-31244 #
AD-A239547 ..... 23 p3857 N91-31505 #
AD-A239552 ..... 23 p3863 N91-31541 #
AD-A239558 ..... 23 p3799 N91-31193 #
AD-A239560 ..... 23 p3809 N91-31245 #
AD-A239561 ..... 23 p3900 N91-31768 #
AD-A239562 ..... 23 p3857 N91-31506 #
AD-A239567 ..... 23 p3857 N91-31507 #
AD-A239573 ..... 23 p3863 N91-31542 #
AD-A239574 ..... 23 p3901 N91-31773 #
AD-A239578 ..... 23 p3928 N91-31952 #
AD-A239579 ..... 23 p3922 N91-31913 #
AD-A239596 ..... 23 p3881 N91-31659 #
AD-A239597 ..... 23 p3915 N91-31860 #
AD-A239602 ..... 23 p3895 N91-31740 #
AD-A239603 ..... 23 p3895 N91-31741 #
AD-A239618 ..... 23 p3906 N91-31806 #
AD-A239629 ..... 23 p3857 N91-31508 #
AD-A239636 ..... 23 p3857 N91-31509 #
AD-A239639 ..... 23 p3933 N91-31983 #
AD-A239640 ..... 23 p3898 N91-31758 #
AD-A239645 ..... 23 p3922 N91-31914 #
AD-A239646 ..... 23 p3887 N91-31691 #
AD-A239647 ..... 23 p3922 N91-31915 #
AD-A239656 ..... 23 p3928 N91-31953 #
AD-A239659 ..... 23 p3895 N91-31742 #
AD-A239660 ..... 23 p3923 N91-31920 #
AD-A239662 ..... 23 p3915 N91-31861 #
AD-A239665 ..... 23 p3906 N91-31807 #
AD-A239672 ..... 23 p3879 N91-31644 #
AD-A239673 ..... 23 p3895 N91-31743 #
AD-A239674 ..... 23 p3928 N91-31954 #
AD-A239676 ..... 23 p3788 N91-31121 #
AD-A239690 ..... 23 p3820 N91-31313 #
AD-A239691 ..... 23 p3915 N91-31862 #
AD-A239704 ..... 23 p3858 N91-31510 #
AD-A239708 ..... 23 p3901 N91-31774 #
AD-A239710 ..... 23 p3900 N91-31769 #
AD-A239714 ..... 23 p3907 N91-31808 #
AD-A239717 ..... 23 p3812 N91-31267 #
AD-A239719 ..... 23 p3933 N91-31984 #
AD-A239723 ..... 23 p3788 N91-31122 #
AD-A239724 ..... 23 p3788 N91-31123 #
AD-A239726 ..... 23 p3788 N91-31124 #
AD-A239734 ..... 23 p3882 N91-31663 #
AD-A239766 ..... 23 p3863 N91-31543 #
AD-A239769 ..... 23 p3882 N91-31664 #
AD-A239770 ..... 23 p3883 N91-31665 #
AD-A239774 ..... 23 p3900 N91-31770 #
AD-A239780 ..... 23 p3929 N91-31959 #
AD-A239781 ..... 23 p3907 N91-31809 #
AD-A239807 ..... 19 p3147 N91-27390 #
AD-A239823 ..... 10 p1546 N91-18506 #
AD-A239840 ..... 07 p1020 N91-15604* #
AD-A239844 ..... 23 p3791 N91-31144 #
AD-A239914 ..... 20 p3282 N91-28150 #
AD-A239924 ..... 24 p3982 N91-32241 #
AD-A239937 ..... 20 p3334 N91-28465 #
AD-A240029 ..... 22 p3670 N91-30433 #
AD-A240030 ..... 22 p3670 N91-30434 #
AD-A240034 ..... 20 p3393 N91-28806* #
AD-A240066 ..... 19 p3176 N91-27558* #
AD-A240067 ..... 19 p3173 N91-27546* #
AD-A240071 ..... 19 p3105 N91-27157* #
AD-A240126 ..... 19 p3178 N91-27570* #
AD-A240140 ..... 18 p2976 N91-26432 #
AD-A240141 ..... 23 p3919 N91-31888* #
AD-A240186 ..... 22 p3611 N91-30089* #
AD-A240187 ..... 22 p3676 N91-30465* #
AD-A240269 ..... 14 p2339 N91-22935* #
AD-A240284 ..... 19 p3149 N91-27403 #
AD-A240286 ..... 20 p3281 N91-28146 #
AD-A240289 ..... 17 p2785 N91-25412* #
AD-A240385 ..... 22 p3676 N91-30467* #
AD-A240395 ..... 22 p3676 N91-30466* #
AD-A240396 ..... 22 p3611 N91-30088* #
AD-A240568 ..... 22 p3613 N91-30096* #
AD-A240681 ..... 22 p3728 N91-30750* #
AD-A240683 ..... 22 p3677 N91-30475* #
AD-A240684 ..... 22 p3744 N91-30866* #
AD-A240685 ..... 22 p3612 N91-30094* #
AD-A240688 ..... 22 p3613 N91-30097* #
AD-A240707 ..... 22 p3612 N91-30093* #
AD-A240708 ..... 22 p3624 N91-30162* #
AD-A240715 ..... 22 p3616 N91-30117 #

AD-B143364L ..... 04 p0476 N91-12659 #
AD-B146516L ..... 03 p0367 N91-12058 #
AD-B146517L ..... 01 p0065 N91-10390 #
AD-B146522L ..... 01 p0005 N91-10026 #
AD-B146942L ..... 02 p0213 N91-11193 #
AD-B147001L ..... 03 p0349 N91-11951 #
AD-B147243L ..... 01 p0005 N91-10027 #
AD-B149326L ..... 01 p0127 N91-10749 #
AD-B149328L ..... 01 p0127 N91-10750 #
AD-B149329L ..... 01 p0127 N91-10752 #
AD-B149330L ..... 01 p0127 N91-10751 #
AD-B150721L 15 p2474 N91-23703
AD-B151399L 15 p2386 N91-23204
AD-B152407L ..... 22 p3621 N91-30143 #
AD-B152408L ..... 22 p3689 N91-30542 #
AD-B152409L ..... 22 p3619 N91-30135 #
AD-B152410L ..... 22 p3768 N91-31012 #
AD-B152411L ..... 22 p3646 N91-30291 #
AD-B152412L ..... 22 p3765 N91-30986 #
AD-B152769L ..... 14 p2321 N91-22818 #
AD-B152919L ..... 10 p1602 N91-18839 #
AD-B153017L ..... 11 p1802 N91-19894 #
AD-B153043L ..... 10 p1603 N91-18841 #
AD-B153061L ..... 10 p1602 N91-18838 #
AD-B153152L ..... 10 p1603 N91-18844 #
AD-B153171L ..... 10 p1603 N91-18843 #
AD-B153351L ..... 22 p3630 N91-30199 #
AD-B153424L ..... 22 p3654 N91-30339 #
AD-B153425L ..... 22 p3679 N91-30484 #
AD-B153426L ..... 22 p3679 N91-30485 #
AD-B153427L ..... 22 p3733 N91-30788 #
AD-B153428L ..... 22 p3733 N91-30785 #
AD-B153430L ..... 22 p3680 N91-30494 #
AD-B153463L ..... 23 p3815 N91-31282 #
AD-B153469L ..... 23 p3782 N91-31084 #
AD-B153476L ..... 23 p3868 N91-31578 #
AD-B153477L ..... 22 p3748 N91-30890 #
AD-B153478L ..... 23 p3781 N91-31081 #
AD-B153479L ..... 23 p3787 N91-31119 #
AD-B153480L ..... 23 p3789 N91-31131 #
AD-B153481L ..... 22 p3733 N91-30786 #
AD-B153564L ..... 23 p3869 N91-31579 #
AD-B153655L ..... 22 p3733 N91-30787 #
AD-B153867L ..... 22 p3619 N91-30134 #
AD-B153868L ..... 23 p3789 N91-31133 #
AD-B154450L ..... 13 p2147 N91-21830 #
AD-B154453L ..... 12 p1975 N91-20866 #
AD-B154525L ..... 22 p3695 N91-30573 #
AD-B154820L ..... 12 p1842 N91-20124 #
AD-B155243L ..... 19 p3247 N91-27958 #
AD-B155244L ..... 17 p2865 N91-25846 #
AD-B155245L ..... 17 p2865 N91-25845 #
AD-B155246L ..... 17 p2866 N91-25850 #
AD-B155247L ..... 17 p2865 N91-25847 #
AD-B155248L ..... 17 p2866 N91-25849 #
AD-B155322L ..... 13 p2019 N91-21106 #
AD-B155323L ..... 17 p2866 N91-25848 #
AD-B156403L ..... 18 p2923 N91-26124 #
AD-B157107L ..... 19 p3248 N91-27962 #
AD-B157234L ..... 24 p4108 N91-32957 #
AD-B157413L ..... 13 p2143 N91-21799 #
AD-B157415L ..... 13 p2032 N91-21173 #
AD-B157715L ..... 13 p2032 N91-21174 #
AD-B157851L ..... 24 p4104 N91-32930 #
AD-B157863L ..... 24 p4104 N91-32929 #
AD-B157864L ..... 24 p4043 N91-32592 #

AD-D011645 ..... 21 p3496 N91-29399
AD-D014566 ..... 06 p0820 N91-14528
AD-D014568 ..... 06 p0820 N91-14529
AD-D014569 ..... 06 p0872 N91-14820
AD-D014570 ..... 06 p0811 N91-14478
AD-D014571 ..... 06 p0820 N91-14530
AD-D014575 ..... 07 p0997 N91-15474 #

AD-D014577	07	p0983	N91-15397	#
AD-D014578	07	p1038	N91-15694	#
AD-D014579	07	p1036	N91-15684	#
AD-D014581	07	p1006	N91-15524	#
AD-D014582	07	p0997	N91-15475	#
AD-D014583	07	p1070	N91-15885	#
AD-D014585	07	p1006	N91-15525	#
AD-D014598	07	p0984	N91-15399	
AD-D014599	07	p1007	N91-15526	
AD-D014603	07	p0990	N91-15431	
AD-D014605	05	p0668	N91-13711	#
AD-D014606	07	p1009	N91-15541	#
AD-D014611	11	p1646	N91-19076	
AD-D014613	07	p0990	N91-15432	
AD-D014615	05	p0698	N91-13886	#
AD-D014617	06	p0872	N91-14821	#
AD-D014618	06	p0872	N91-14822	#
AD-D014619	09	p1398	N91-17696	#
AD-D014620	07	p1067	N91-15871	#
AD-D014621	06	p0872	N91-14823	#
AD-D014623	07	p0998	N91-15477	
AD-D014625	05	p0698	N91-13887	
AD-D014626	06	p0872	N91-14824	
AD-D014629	06	p0817	N91-14512	
AD-D014631	09	p1374	N91-17548	#
AD-D014632	06	p0811	N91-14479	#
AD-D014635	07	p1007	N91-15527	
AD-D014636	07	p1009	N91-15542	
AD-D014640	05	p0669	N91-13716	#
AD-D014644	11	p1651	N91-19100	
AD-D014645	11	p1645	N91-19072	
AD-D014648	11	p1674	N91-19225	
AD-D014650	11	p1696	N91-19341	
AD-D014651	11	p1678	N91-19249	
AD-D014653	11	p1664	N91-19171	#
AD-D014654	11	p1798	N91-19869	#
AD-D014655	11	p1693	N91-19328	#
AD-D014656	11	p1806	N91-19917	#
AD-D014658	11	p1654	N91-19116	#
AD-D014663	11	p1780	N91-19764	#
AD-D014664	11	p1686	N91-19288	#
AD-D014665	11	p1686	N91-19289	#
AD-D014667	11	p1690	N91-19312	
AD-D014668	11	p1798	N91-19870	
AD-D014673	11	p1706	N91-19396	
AD-D014674	11	p1706	N91-19397	
AD-D014676	11	p1720	N91-19468	
AD-D014677	11	p1816	N91-19972	
AD-D014693	12	p1864	N91-20242	
AD-D014694	11	p1806	N91-19918	
AD-D014696	12	p1868	N91-20262	
AD-D014697	11	p1714	N91-19436	
AD-D014705	11	p1714	N91-19437	
AD-D014708	11	p1700	N91-19364	
AD-D014711	10	p1591	N91-18771	#
AD-D014712	10	p1502	N91-18263	#
AD-D014715	10	p1502	N91-18264	#
AD-D014716	12	p1979	N91-20891	
AD-D014718	12	p1861	N91-20225	
AD-D014720	12	p1906	N91-20487	
AD-D014721	12	p1890	N91-20391	
AD-D014723	11	p1773	N91-19717	
AD-D014726	12	p1880	N91-20334	
AD-D014730	12	p1906	N91-20488	
AD-D014747	12	p1894	N91-20414	#
AD-D014749	12	p1832	N91-20070	#
AD-D014752	12	p1876	N91-20311	#
AD-D014761	12	p1910	N91-20502	#
AD-D014762	12	p1905	N91-20478	#
AD-D014770	12	p1905	N91-20479	
AD-D014781	12	p1905	N91-20480	#
AD-D014815	16	p2647	N91-24654	#
AD-D014816	16	p2620	N91-24505	#
AD-D014818	16	p2635	N91-24586	#
AD-D014819	16	p2632	N91-24569	#
AD-D014820	16	p2635	N91-24587	#
AD-D014822	17	p2731	N91-25120	#
AD-D014828	16	p2566	N91-24228	
AD-D014829	16	p2610	N91-24454	
AD-D014830	16	p2611	N91-24455	
AD-D014831	16	p2620	N91-24506	
AD-D014832	16	p2598	N91-24394	
AD-D014833	16	p2617	N91-24490	
AD-D014834	16	p2558	N91-24192	
AD-D014836	16	p2695	N91-24922	
AD-D014839	16	p2690	N91-24892	
AD-D014841	16	p2690	N91-24893	
AD-D014842	16	p2666	N91-24749	
AD-D014845	16	p2690	N91-24894	#
AD-D014846	16	p2590	N91-24356	#
AD-D014847	16	p2590	N91-24357	#
AD-D014848	16	p2635	N91-24590	#
AD-D014850	16	p2621	N91-24514	#
AD-D014853	16	p2632	N91-24573	#
AD-D014857	18	p2941	N91-26224	#
AD-D014858	18	p2994	N91-26536	#
AD-D014859	18	p3035	N91-26753	#
AD-D014860	18	p3063	N91-26923	#
AD-D014861	18	p2994	N91-26537	#
AD-D014862	18	p2979	N91-26448	#
AD-D014864	18	p3063	N91-26924	#
AD-D014865	18	p2989	N91-26505	#
AD-D014866	18	p2927	N91-26147	#
AD-D014869	18	p2979	N91-26449	
AD-D014871	18	p2989	N91-26506	#
AD-D014872	18	p2979	N91-26450	
AD-D014876	18	p2969	N91-26392	
AD-D014877	18	p3063	N91-26925	
AD-D014878	19	p3171	N91-27531	
AD-D014884	19	p3146	N91-27388	
AD-D014885	19	p3173	N91-27543	
AD-D014886	19	p3143	N91-27373	
AD-D014887	19	p3155	N91-27442	
AD-D014891	19	p3244	N91-27943	
AD-D014893	19	p3245	N91-27944	
AD-D014897	19	p3170	N91-27528	
AD-D014899	22	p3653	N91-30332	
AD-D014902	21	p3496	N91-29400	#
AD-D014904	21	p3502	N91-29438	#
AD-D014908	21	p3502	N91-29439	
AD-D014910	19	p3178	N91-27573	#
AD-D014912	19	p3168	N91-27519	#
AD-D014913	19	p3265	N91-28057	#
AD-D014920	22	p3662	N91-30385	
AD-D014922	22	p3754	N91-30929	
AD-D014927	22	p3755	N91-30930	
AD-D014929	22	p3680	N91-30490	
AD-D014932	22	p3662	N91-30386	
AD-D014933	22	p3662	N91-30387	
AD-D014934	22	p3668	N91-30421	
AD-D014936	21	p3528	N91-29598	#
AD-D014937	21	p3516	N91-29523	#
AD-D014940	22	p3655	N91-30342	
AD-D014941	22	p3668	N91-30423	
AD-D014942	21	p3583	N91-29933	#
AD-D014944	21	p3583	N91-29934	#
AD-D014945	21	p3508	N91-29475	#
AD-D014946	21	p3452	N91-29149	#
AD-D014947	21	p3501	N91-29430	#
AD-D014948	24	p4006	N91-32398	#
AD-D014949	24	p4021	N91-32470	#
AD-D014952	24	p4021	N91-32471	#
AD-D014953	24	p3978	N91-32224	#
AD-E040002	18	p3003	N91-26587	#
AD-E040004	19	p3204	N91-27713	#
AD-E040005	21	p3534	N91-29637	#
AD-E040006	19	p3205	N91-27715	#
AD-E040008	19	p3184	N91-27607	#
AD-E040012	19	p3205	N91-27718	#
AD-E040019	21	p3543	N91-29688	#
AD-E040025	19	p3202	N91-27699	#
AD-E040041	21	p3546	N91-29704	#
AD-E040060	21	p3534	N91-29638	#
AD-E040062	21	p3543	N91-29685	#
AD-E040063	22	p3710	N91-30645	#
AD-E402098	07	p0939	N91-15148	#
AD-E501254	03	p0317	N91-11777	#
AD-E501254	04	p0517	N91-12877	#
AD-E501257	03	p0390	N91-12171	#
AD-E501258	04	p0463	N91-12587	#
AD-E501264	04	p0463	N91-12588	#
AD-E501277	09	p1380	N91-17587	#
AD-E501304	09	p1371	N91-17535	#
AD-E501305	09	p1374	N91-17551	#
AD-E501305	09	p1393	N91-17664	#
AD-E501307	12	p1923	N91-20580	#
AD-E501310	09	p1422	N91-17831	#
AD-E501340	12	p1993	N91-20971	#
AD-E501348	14	p2256	N91-22479	#
AD-E501349	14	p2233	N91-22356	#
AD-E501352	13	p2163	N91-21931	#
AD-E501354	15	p2526	N91-24000	#
AD-E501359	15	p2363	N91-23076	#
AD-E501360	15	p2363	N91-23077	#
AD-E501362	18	p3038	N91-26770	#
AD-E501382	19	p3145	N91-27383	#
AD-E501383	19	p3259	N91-28024	#
AD-E501384	19	p3111	N91-27192	#
AD-E501393	21	p3504	N91-29449	#
AD-E501397	21	p3555	N91-29754	#
AD-E501404	21	p3538	N91-29660	#
AD-E501420	23	p3915	N91-31862	#
AD-E900925	24	p4091	N91-32857	#
AD-E901013	09	p1284	N91-17059	#
AD-E951508	04	p0536	N91-12973	#
AD-E951509	04	p0582	N91-13248	#
AD-E951513	04	p0513	N91-12848	#
AD-E951514	04	p0513	N91-12854	#
AD-E951519	04	p0547	N91-13033	#
AD-E951523	04	p0528	N91-12929	#
AD-E951564	22	p3722	N91-30716	#

AD-E951579 ..... 12 p1884 N91-20358 #
AD-E951580 ..... 12 p1917 N91-20544 #
AD-E951581 ..... 12 p1917 N91-20545 #
AD-E951582 ..... 12 p1917 N91-20546 #
AD-E951609 ..... 15 p2508 N91-23899 #
AD-E951621 ..... 15 p2383 N91-23193 #
AD-E951634 ..... 18 p2974 N91-26420 #
AD-E951659 ..... 19 p3153 N91-27429 #

AD-M000073 ..... 23 p3915 N91-31861 #

ADANET-FD-R/T-084-0 ..... 17 p2838 N91-25685* #
ADANET-FD-R/T-085-0 ..... 17 p2838 N91-25686* #
ADANET-FD-R/T-086-0 ..... 17 p2829 N91-25626* #

ADE-0401007 ..... 19 p3227 N91-27838 #

AECS-C/SS-15 ..... 12 p1985 N91-20924 #

AECS/IB-4 ..... 13 p2128 N91-21715 #

AEDC-TR-88-31 ..... 01 p0001 N91-10004 #
AEDC-TR-90-6 ..... 04 p0585 N91-13263 #
AEDC-TR-90-12 ..... 04 p0539 N91-12991 #
AEDC-TR-90-16 ..... 19 p3102 N91-27137 #
AEDC-TR-90-18 ..... 12 p1851 N91-20174 #
AEDC-TR-90-20 ..... 15 p2510 N91-23908 #
AEDC-TR-90-21 ..... 15 p2427 N91-23445 #
AEDC-TR-90-22 ..... 12 p1829 N91-20050 #
AEDC-TR-90-25 ..... 12 p1955 N91-20757 #
AEDC-TR-90-26 ..... 13 p2026 N91-21142 #
AEDC-TR-90-27 ..... 12 p1854 N91-20187 #
AEDC-TR-90-28 ..... 15 p2391 N91-23235 #
AEDC-TR-90-29 ..... 13 p2026 N91-21141 #
AEDC-TR-90-31 ..... 13 p2071 N91-21408 #
AEDC-TR-90-35 ..... 13 p2090 N91-21501 #
AEDC-TR-91-1 ..... 18 p2937 N91-26197 #
AEDC-TR-91-2 ..... 21 p3515 N91-29522 #
AEDC-TR-91-4 ..... 21 p3582 N91-29926 #

AEDC-TSR-90-V13 ..... 08 p1143 N91-16293 #
AEDC-TSR-91-V1 ..... 18 p2935 N91-26188 #
AEDC-TSR-91-V12 ..... 21 p3465 N91-29218 #

AERE-R-13354-1 ..... 01 p0028 N91-10169
AERE-R-13657 ..... 14 p2329 N91-22870 #

AEROCHEM-TP-495 ..... 18 p2949 N91-26273 #

AEROJET-2459-54-2-VOL-1 ..... 11 p1665 N91-19174* #
AEROJET-2459-56-1-VOL-2 ..... 07 p0966 N91-15307* #

AERONOMICA-ACTA-A-355-1990 ..... 05 p0686 N91-13816
AERONOMICA-ACTA-A-357-1990 ..... 15 p2513 N91-23925
AERONOMICA-ACTA-A-358-1991 ..... 15 p2463 N91-23647
AERONOMICA-ACTA-A-359-1991 ..... 22 p3704 N91-30615

AESA-EN1-890 ..... 13 p2112 N91-21628 #

AFATL-TP-90-14 ..... 03 p0409 N91-12283 #

AFATL-TR-90-15 ..... 03 p0337 N91-11890 #
AFATL-TR-90-59 ..... 04 p0512 N91-12844 #
AFATL-TR-90-63 ..... 05 p0715 N91-13992 #
AFATL-TR-90-66-PT-2 ..... 12 p1866 N91-20252 #
AFATL-TR-90-84 ..... 16 p2601 N91-24414 #

AFDTC-PAMPHLET-83-2 ..... 21 p3604 N91-30051 #

AFDTC-TM-91-01 ..... 21 p3604 N91-30051 #

AFDTC-TR-90-48 ..... 12 p1972 N91-20852 #

AFESC/ESL-TR-87-03 ..... 06 p0816 N91-14510 #
AFESC/ESL-TR-87-03 ..... 12 p1880 N91-20333 #
AFESC/ESL-TR-89-44 ..... 07 p0946 N91-15185 #
AFESC/ESL-TR-89-60 ..... 12 p1993 N91-20970 #
AFESC/ESL-TR-90-13 ..... 07 p0987 N91-15417 #

AFGL-TR-89-0027 ..... 12 p1923 N91-20583 #

AFGWC/TN-91/001 ..... 18 p3015 N91-26649 #

AFHRL-CR-90-80 ..... 13 p2139 N91-21776* #

AFHRL-TP-88-33 ..... 13 p2128 N91-21711 #
AFHRL-TP-90-34 ..... 18 p3041 N91-26786 #
AFHRL-TP-90-51 ..... 07 p1048 N91-15754 #
AFHRL-TP-90-55 ..... 07 p1036 N91-15686 #
AFHRL-TP-90-57 ..... 09 p1372 N91-17542 #
AFHRL-TP-90-64 ..... 05 p0696 N91-13878 #
AFHRL-TP-90-65 ..... 06 p0865 N91-14782 #
AFHRL-TP-90-66 ..... 08 p1198 N91-16586 #
AFHRL-TP-90-81 ..... 12 p1997 N91-20993 #
AFHRL-TP-90-89 ..... 13 p2099 N91-21555 #
AFHRL-TR-89-66 ..... 08 p1192 N91-16552 #
AFHRL-TR-90-25 ..... 03 p0394 N91-12192 #
AFHRL-TR-90-26 ..... 12 p1956 N91-20759 #
AFHRL-TR-90-32 ..... 03 p0397 N91-12207 #
AFHRL-TR-90-56 ..... 12 p1970 N91-20835 #
AFHRL-TR-90-79 ..... 14 p2341 N91-22942 #
AFHRL-TR-90-83 ..... 19 p3218 N91-27789 #
AFHRL-TR-90-84 ..... 19 p3213 N91-27761 #

AFIT-EN-TM-91-1-VOL-1 ..... 22 p3662 N91-30388 #

AFIT/CI/CIA-90-15D ..... 03 p0400 N91-12223 #
AFIT/CI/CIA-90-017D ..... 03 p0369 N91-12066 #
AFIT/CI/CIA-90-020D ..... 03 p0400 N91-12224 #
AFIT/CI/CIA-90-021D ..... 04 p0551 N91-13054 #
AFIT/CI/CIA-90-024D ..... 07 p1032 N91-15662 #
AFIT/CI/CIA-90-025D ..... 07 p0972 N91-15338 #
AFIT/CI/CIA-90-026D ..... 08 p1211 N91-16665 #
AFIT/CI/CIA-90-028D ..... 08 p1164 N91-16408 #
AFIT/CI/CIA-90-030D ..... 08 p1207 N91-16638 #
AFIT/CI/CIA-90-032D ..... 15 p2481 N91-23729 #
AFIT/CI/CIA-90-033 ..... 03 p0318 N91-11778 #
AFIT/CI/CIA-90-034 ..... 03 p0299 N91-11666 #
AFIT/CI/CIA-90-035D ..... 15 p2464 N91-23657 #
AFIT/CI/CIA-90-037D ..... 15 p2433 N91-23482 #
AFIT/CI/CIA-90-038D ..... 15 p2469 N91-23682 #
AFIT/CI/CIA-90-039D ..... 15 p2415 N91-23373 #
AFIT/CI/CIA-90-042 ..... 03 p0320 N91-11790 #
AFIT/CI/CIA-90-043 ..... 03 p0364 N91-12040 #
AFIT/CI/CIA-90-049 ..... 04 p0517 N91-12878 #
AFIT/CI/CIA-90-051 ..... 04 p0517 N91-12877 #
AFIT/CI/CIA-90-055 ..... 03 p0317 N91-11777 #
AFIT/CI/CIA-90-058 ..... 09 p1357 N91-17458 #
AFIT/CI/CIA-90-060 ..... 03 p0394 N91-12190 #
AFIT/CI/CIA-90-063 ..... 03 p0394 N91-12189 #
AFIT/CI/CIA-90-067 ..... 07 p1037 N91-15687 #
AFIT/CI/CIA-90-068 ..... 08 p1241 N91-16839 #
AFIT/CI/CIA-90-076 ..... 08 p1178 N91-16487 #
AFIT/CI/CIA-90-077 ..... 08 p1178 N91-16486 #
AFIT/CI/CIA-90-078 ..... 08 p1185 N91-16519 #
AFIT/CI/CIA-90-079 ..... 08 p1178 N91-16485 #
AFIT/CI/CIA-90-080 ..... 07 p1030 N91-15654 #
AFIT/CI/CIA-90-081 ..... 08 p1185 N91-16518 #
AFIT/CI/CIA-90-082 ..... 07 p1031 N91-15658 #
AFIT/CI/CIA-90-083 ..... 07 p1031 N91-15657 #
AFIT/CI/CIA-90-085 ..... 07 p1031 N91-15656 #
AFIT/CI/CIA-90-086 ..... 07 p1029 N91-15645 #
AFIT/CI/CIA-90-094 ..... 08 p1126 N91-16188 #
AFIT/CI/CIA-90-097 ..... 09 p1371 N91-17533 #
AFIT/CI/CIA-90-098 ..... 08 p1186 N91-16521 #
AFIT/CI/CIA-90-099 ..... 08 p1186 N91-16522 #
AFIT/CI/CIA-90-101 ..... 07 p1037 N91-15688 #
AFIT/CI/CIA-90-102 ..... 07 p1030 N91-15653 #
AFIT/CI/CIA-90-103 ..... 08 p1187 N91-16527 #
AFIT/CI/CIA-90-104 ..... 08 p1186 N91-16520 #
AFIT/CI/CIA-90-105 ..... 07 p1031 N91-15655 #
AFIT/CI/CIA-90-106 ..... 09 p1364 N91-17494 #
AFIT/CI/CIA-90-108 ..... 08 p1177 N91-16483 #
AFIT/CI/CIA-90-109 ..... 08 p1126 N91-16187 #
AFIT/CI/CIA-90-110 ..... 08 p1178 N91-16484 #
AFIT/CI/CIA-90-114 ..... 08 p1167 N91-16421 #
AFIT/CI/CIA-90-115 ..... 09 p1323 N91-17265 #
AFIT/CI/CIA-90-123 ..... 14 p2206 N91-22184 #
AFIT/CI/CIA-90-126 ..... 14 p2198 N91-22137 #
AFIT/CI/CIA-90-127 ..... 15 p2447 N91-23555 #
AFIT/CI/CIA-90-128 ..... 13 p2118 N91-21660 #
AFIT/CI/CIA-90-129 ..... 13 p2137 N91-21768 #
AFIT/CI/CIA-90-130 ..... 14 p2286 N91-22639 #
AFIT/CI/CIA-90-131 ..... 13 p2041 N91-21228 #
AFIT/CI/CIA-90-135 ..... 14 p2269 N91-22552 #
AFIT/CI/CIA-90-136 ..... 13 p2073 N91-21420 #
AFIT/CI/CIA-90-141 ..... 14 p2306 N91-22741 #
AFIT/CI/CIA-90-143 ..... 14 p2287 N91-22648 #
AFIT/CI/CIA-90-144 ..... 16 p2656 N91-24699 #
AFIT/CI/CIA-90-145 ..... 13 p2123 N91-21684 #
AFIT/CI/CIA-90-146 ..... 15 p2458 N91-23622 #
AFIT/CI/CIA-90-147 ..... 14 p2285 N91-22636 #
AFIT/CI/CIA-90-148 ..... 14 p2287 N91-22649 #
AFIT/CI/CIA-90-149 ..... 14 p2286 N91-22638 #
AFIT/CI/CIA-90-150 ..... 13 p2074 N91-21423 #
AFIT/CI/CIA-91-004D ..... 23 p3799 N91-31191 #
AFIT/CI/CIA-91-026 ..... 23 p3820 N91-31312 #
AFIT/CI/CIA-91-028 ..... 23 p3906 N91-31804 #
AFIT/CI/CIA-91-046 ..... 23 p3914 N91-31856 #
AFIT/CI/CIA-91-049 ..... 23 p3802 N91-31205 #
AFIT/CI/CIA-91-054 ..... 23 p3898 N91-31757 #
AFIT/CI/CIA-91-055 ..... 23 p3862 N91-31534 #
AFIT/CI/CIA-91-058 ..... 23 p3879 N91-31643 #
AFIT/CI/CIA-91-062 ..... 23 p3808 N91-31241 #
AFIT/CI/CIA-91-063 ..... 23 p3938 N91-32011 #

AFIT/DS/ENC/90-2 ..... 12 p1971 N91-20841 #

AFIT/DS/ENG/90-2 ..... 09 p1393 N91-17664 #
AFIT/DS/ENG/90D-3 ..... 12 p1981 N91-20901 #
AFIT/DS/ENG/90D-01 ..... 09 p1374 N91-17551 #

AFIT/DS/ENG/91-1 ..... 21 p3583 N91-29930 #

AFIT/EN-TR-90-5 ..... 08 p1176 N91-16474 #
AFIT/EN-TR-90-07 ..... 24 p3960 N91-32130 #
AFIT/EN-TR-91-2-ADD ..... 14 p2285 N91-22637 #

AFIT/EN/GE/90D ..... 12 p1929 N91-20618 #

AFIT/GA/ENY/90D-1 ..... 12 p1851 N91-20172 #
AFIT/GA/ENY/90D-4 ..... 12 p1914 N91-20531 #
AFIT/GA/ENY/90D-5 ..... 12 p1907 N91-20495 #
AFIT/GA/ENY/90D-6 ..... 12 p1893 N91-20409 #
AFIT/GA/ENY/90D-7 ..... 12 p1855 N91-20194 #
AFIT/GA/ENY/90D-8 ..... 12 p2007 N91-21049 #
AFIT/GA/ENY/90D-9 ..... 12 p1853 N91-20179 #
AFIT/GA/ENY/90D-02 ..... 12 p1851 N91-20173 #
AFIT/GA/ENY/90D-03 ..... 13 p2046 N91-21256 #
AFIT/GA/ENY/90D-12 ..... 12 p2007 N91-21050 #
AFIT/GA/ENY/90D-13 ..... 12 p1854 N91-20190 #
AFIT/GA/ENY/90D-14 ..... 12 p1971 N91-20843 #
AFIT/GA/ENY/91M-01 ..... 21 p3569 N91-29844 #

AFIT/GAE/ENG/90D-01 ..... 12 p1834 N91-20080 #
AFIT/GAE/ENG/90D-69 ..... 12 p1886 N91-20372 #

AFIT/GAE/ENY/89D-10 ..... 12 p1842 N91-20123 #
AFIT/GAE/ENY/90D-1 ..... 12 p1896 N91-20428 #
AFIT/GAE/ENY/90D-2 ..... 13 p2047 N91-21259 #
AFIT/GAE/ENY/90D-3 ..... 12 p1904 N91-20473 #
AFIT/GAE/ENY/90D-4 ..... 12 p1896 N91-20427 #
AFIT/GAE/ENY/90D-5 ..... 12 p1914 N91-20530 #
AFIT/GAE/ENY/90D-06 ..... 13 p2105 N91-21588 #
AFIT/GAE/ENY/90D-07 ..... 13 p2021 N91-21118 #
AFIT/GAE/ENY/90D-08 ..... 12 p1914 N91-20528 #
AFIT/GAE/ENY/90D-09 ..... 11 p1709 N91-19412 #
AFIT/GAE/ENY/90D-10 ..... 12 p1897 N91-20429 #
AFIT/GAE/ENY/90D-10 ..... 13 p2182 N91-22058 #
AFIT/GAE/ENY/90D-11 ..... 11 p1724 N91-19496 #
AFIT/GAE/ENY/90D-13 ..... 12 p1971 N91-20840 #
AFIT/GAE/ENY/90D-14 ..... 13 p2021 N91-21119 #
AFIT/GAE/ENY/90D-15 ..... 12 p1967 N91-20824 #
AFIT/GAE/ENY/90D-16 ..... 12 p1829 N91-20053 #
AFIT/GAE/ENY/90D-17 ..... 12 p1896 N91-20426 #
AFIT/GAE/ENY/90D-18 ..... 11 p1653 N91-19111 #
AFIT/GAE/ENY/90D-19 ..... 13 p2046 N91-21257 #
AFIT/GAE/ENY/90D-20 ..... 12 p1862 N91-20231 #
AFIT/GAE/ENY/90D-21 ..... 12 p1897 N91-20430 #
AFIT/GAE/ENY/90D-22 ..... 12 p1863 N91-20235 #
AFIT/GAE/ENY/90D-23 ..... 13 p2132 N91-21737 #
AFIT/GAE/ENY/90D-24 ..... 12 p1834 N91-20079 #
AFIT/GAE/ENY/90D-25 ..... 12 p1971 N91-20844 #
AFIT/GAE/ENY/90D-26 ..... 12 p1863 N91-20236 #
AFIT/GAE/ENY/90D-27 ..... 12 p1829 N91-20051 #
AFIT/GAE/ENY/90D-28 ..... 12 p1863 N91-20237 #
AFIT/GAE/ENY/90D-30 ..... 12 p1863 N91-20234 #
AFIT/GAE/ENY/90D-31 ..... 13 p2046 N91-21258 #
AFIT/GAE/ENY/91M-2 ..... 21 p3457 N91-29174 #

AFIT/GCA/LSQ/90S-1 ..... 22 p3725 N91-30731 #

AFIT/GCA/LSY/90S-6 ..... 22 p3769 N91-31018 #
AFIT/GCA/LSY/90S-8 ..... 22 p3725 N91-30730 #

AFIT/GCE/ENG/90D-01 ..... 12 p1933 N91-20635 #
AFIT/GCE/ENG/90D-05 ..... 12 p1998 N91-21000 #
AFIT/GCE/ENG/90D-07 ..... 13 p2136 N91-21760 #
AFIT/GCE/ENG/91M-01 ..... 21 p3558 N91-29771 #
AFIT/GCE/ENG/91M-04 ..... 21 p3557 N91-29770 #

AFIT/GCM/LSP/90S-3 ..... 22 p3763 N91-30975 #
AFIT/GCM/LSP/90S-4 ..... 22 p3762 N91-30973 #
AFIT/GCM/LSP/90S-7 ..... 22 p3763 N91-30976 #
AFIT/GCM/LSP/90S-9 ..... 22 p3763 N91-30977 #

AFIT/GCM/LSY/90S-10 ..... 22 p3762 N91-30974 #

AFIT/GCS/ENC/91M-1 ..... 21 p3567 N91-29828 #

AFIT/GCS/ENG/90D-3 ..... 13 p2135 N91-21754 #
AFIT/GCS/ENG/90D-01 ..... 13 p2132 N91-21738 #
AFIT/GCS/ENG/90D-02 ..... 13 p2134 N91-21752 #
AFIT/GCS/ENG/90D-06 ..... 13 p2168 N91-21962 #
AFIT/GCS/ENG/90D-07 ..... 13 p2135 N91-21753 #
AFIT/GCS/ENG/90D-08 ..... 13 p2072 N91-21412 #
AFIT/GCS/ENG/90D-09 ..... 12 p1953 N91-20744 #
AFIT/GCS/ENG/90D-10 ..... 12 p1957 N91-20766 #
AFIT/GCS/ENG/90D-11 ..... 12 p1934 N91-20640 #
AFIT/GCS/ENG/90D-12 ..... 13 p2135 N91-21755 #
AFIT/GCS/ENG/90D-13 ..... 12 p1957 N91-20767 #
AFIT/GCS/ENG/90D-14 ..... 12 p1901 N91-20458 #
AFIT/GCS/ENG/90D-16 ..... 12 p1958 N91-20768 #
AFIT/GCS/ENG/91M-03 ..... 21 p3561 N91-29791 #

AFIT/GE/ENG-91J-06 ..... 21 p3566 N91-29827 #

AFIT/GE/ENG/90D-03 ..... 12 p1973 N91-20856 #

AFIT/GE/ENG/90D-04 ..... 12 p1834 N91-20078 #
AFIT/GE/ENG/90D-05 ..... 12 p1885 N91-20366 #
AFIT/GE/ENG/90D-06 ..... 12 p1883 N91-20353 #
AFIT/GE/ENG/90D-07 ..... 12 p1891 N91-20400 #
AFIT/GE/ENG/90D-08 ..... 12 p1887 N91-20373 #
AFIT/GE/ENG/90D-10 ..... 12 p1885 N91-20363 #
AFIT/GE/ENG/90D-11 ..... 12 p1887 N91-20376 #
AFIT/GE/ENG/90D-18 ..... 12 p1958 N91-20771 #
AFIT/GE/ENG/90D-19 ..... 13 p2075 N91-21429 #
AFIT/GE/ENG/90D-20 ..... 13 p2093 N91-21524 #
AFIT/GE/ENG/90D-21 ..... 12 p1907 N91-20493 #
AFIT/GE/ENG/90D-22 ..... 13 p2075 N91-21428 #
AFIT/GE/ENG/90D-24 ..... 12 p1958 N91-20772 #
AFIT/GE/ENG/90D-26 ..... 12 p1886 N91-20367 #
AFIT/GE/ENG/90D-27 ..... 12 p1885 N91-20361 #
AFIT/GE/ENG/90D-31 ..... 12 p1885 N91-20371 #
AFIT/GE/ENG/90D-34 ..... 12 p1893 N91-20412 #
AFIT/GE/ENG/90D-37 ..... 13 p2070 N91-21401 #
AFIT/GE/ENG/90D-38 ..... 12 p1888 N91-20382 #
AFIT/GE/ENG/90D-41 ..... 12 p1893 N91-20408 #
AFIT/GE/ENG/90D-42 ..... 12 p1844 N91-20134 #
AFIT/GE/ENG/90D-45 ..... 12 p1855 N91-20192 #
AFIT/GE/ENG/90D-47 ..... 12 p1931 N91-20628 #
AFIT/GE/ENG/90D-48 ..... 12 p1887 N91-20377 #
AFIT/GE/ENG/90D-51 ..... 12 p1885 N91-20362 #
AFIT/GE/ENG/90D-52 ..... 12 p1885 N91-20365 #
AFIT/GE/ENG/90D-53 ..... 12 p1883 N91-20354 #
AFIT/GE/ENG/90D-54 ..... 12 p1885 N91-20364 #
AFIT/GE/ENG/90D-55 ..... 12 p1888 N91-20378 #
AFIT/GE/ENG/90D-59 ..... 13 p2071 N91-21410 #
AFIT/GE/ENG/90D-61 ..... 12 p1886 N91-20368 #
AFIT/GE/ENG/90D-62 ..... 12 p1981 N91-20898 #
AFIT/GE/ENG/90D-65 ..... 12 p1981 N91-20902 #
AFIT/GE/ENG/90D-66 ..... 12 p1843 N91-20131 #
AFIT/GE/ENG/90D-67 ..... 12 p1887 N91-20374 #
AFIT/GE/ENG/90D-70 ..... 12 p1834 N91-20082 #
AFIT/GE/ENG/90S-02 ..... 08 p1094 N91-16003 #

AFIT/GE/ENP/90D-01 ..... 12 p1904 N91-20477 #

AFIT/GEM/LSM/90S-5 ..... 22 p3765 N91-30989 #
AFIT/GEM/LSM/90S-9 ..... 12 p1994 N91-20979 #

AFIT/GEO/ENG/90D-3 ..... 12 p1886 N91-20370 #
AFIT/GEO/ENG/90D-02 ..... 12 p1953 N91-20745 #
AFIT/GEO/ENG/90D-04 ..... 12 p1966 N91-20822 #
AFIT/GEO/ENG/90D-05 ..... 12 p1964 N91-20809 #
AFIT/GEO/ENG/90D-09 ..... 12 p1982 N91-20904 #

AFIT/GEO/ENP/90D-1 ..... 12 p1886 N91-20369 #
AFIT/GEO/ENP/90D-2 ..... 12 p1981 N91-20903 #
AFIT/GEO/ENP/90D-3 ..... 12 p1904 N91-20476 #

AFIT/GEP/ENP/90D-1 ..... 12 p1983 N91-20911 #
AFIT/GEP/ENP/90D-2 ..... 12 p1977 N91-20874 #
AFIT/GEP/ENP/90D-3 ..... 12 p1923 N91-20579 #
AFIT/GEP/ENP/90D-5 ..... 12 p1904 N91-20474 #
AFIT/GEP/ENP/90D-7 ..... 12 p1989 N91-20948 #
AFIT/GEP/ENP/90D-8 ..... 12 p1981 N91-20899 #
AFIT/GEP/ENP/90D-9 ..... 11 p1681 N91-19265 #
AFIT/GEP/ENP/90D-06 ..... 12 p1893 N91-20411 #
AFIT/GEP/ENP/90D-10 ..... 12 p1904 N91-20471 #
AFIT/GEP/ENP/90S-1 ..... 06 p0874 N91-14833 #

AFIT/GIR/LSM/90D-6 ..... 12 p1998 N91-20997 #
AFIT/GIR/LSM/90D-7 ..... 14 p2300 N91-22712 #
AFIT/GIR/LSM/90D-9 ..... 24 p4116 N91-33004 #

AFIT/GLM/LSM/90S-1 ..... 09 p1314 N91-17213 #
AFIT/GLM/LSM/90S-20 ..... 09 p1271 N91-16989 #
AFIT/GLM/LSM/90S-21 ..... 22 p3724 N91-30724 #

AFIT/GLM/LSR/90S-23 ..... 09 p1422 N91-17832 #

AFIT/GLM/RQ/90S-49 ..... 24 p3961 N91-32137 #

AFIT/GNE/ENP/91M-4 ..... 21 p3599 N91-30022 #

AFIT/GOR/ENC/91M-3 ..... 21 p3569 N91-29846 #
AFIT/GOR/ENC/91M-4 ..... 21 p3570 N91-29847 #

AFIT/GOR/ENS/91M-5 ..... 22 p3770 N91-31019 #

AFIT/GSE/ENY/90D-1 ..... 12 p1856 N91-20198 #

AFIT/GSM/ENC/90S-12 ..... 22 p3725 N91-30734 #
AFIT/GSM/ENC/90S-23 ..... 12 p1995 N91-20981 #

AFIT/GSM/LSR/90S-1 ..... 22 p3725 N91-30732 #
AFIT/GSM/LSR/90S-2 ..... 22 p3609 N91-30074 #
AFIT/GSM/LSR/90S-32 ..... 12 p1994 N91-20980 #

AFIT/GSM/LSY/90S-3 ..... 12 p1998 N91-20998 #
AFIT/GSM/LSY/90S-5 ..... 24 p4114 N91-32993 #
AFIT/GSM/LSY/90S-16 ..... 22 p3725 N91-30733 #
AFIT/GSM/LSY/90S-21 ..... 12 p1998 N91-20999 #

AFIT/GSM/LSY/90S-29 ..... 12 p1995 N91-20983 #

AFIT/GSO/ENG/90D-03 ..... 12 p1855 N91-20193 #

AFIT/GSO/ENP/90D-01 ..... 12 p1904 N91-20475 #
AFIT/GSO/ENP/90D-02 ..... 12 p1991 N91-20958 #

AFIT/GSO/ENS/90D-7 ..... 12 p1850 N91-20171 #
AFIT/GSO/ENS/90D-10 ..... 12 p1883 N91-20355 #
AFIT/GSO/ENS/90D-12 ..... 12 p1855 N91-20196 #
AFIT/GSO/ENS/90D-13 ..... 12 p1855 N91-20195 #
AFIT/GSO/ENS/90D-15 ..... 12 p1907 N91-20494 #
AFIT/GSO/ENS/90D-16 ..... 12 p1854 N91-20191 #
AFIT/GSO/ENS/90D-18 ..... 12 p1856 N91-20197 #
AFIT/GSO/ENS/91M-1 ..... 21 p3465 N91-29216 #

AFIT/GST/ENS/91M-2 ..... 21 p3569 N91-29842 #

AFL-91-5-75 ..... 19 p3163 N91-27493 #

AFOEHL-EI00178MGA ..... 18 p2939 N91-26211 #

AFOEHL-90-169CA00111KGA ..... 13 p2129 N91-21717 #

AFOSR-A4 ..... 22 p3620 N91-30140 #

AFOSR-87-0322TR ..... 16 p2657 N91-24702 #
AFOSR-90-0148TR ..... 15 p2428 N91-23452 #
AFOSR-90-0729TR ..... 03 p0409 N91-12284 #
AFOSR-90-0764TR ..... 04 p0580 N91-13232 #
AFOSR-90-0768TR ..... 02 p0208 N91-11164 #
AFOSR-90-0773TR ..... 03 p0344 N91-11924 #
AFOSR-90-0781TR ..... 04 p0497 N91-12758 #
AFOSR-90-0807TR ..... 03 p0320 N91-11791 #
AFOSR-90-0808TR ..... 03 p0324 N91-11805 #
AFOSR-90-0809TR ..... 03 p0420 N91-12349 #
AFOSR-90-0810TR ..... 04 p0553 N91-13067 #
AFOSR-90-0811TR ..... 03 p0388 N91-12163 #
AFOSR-90-0828TR ..... 03 p0422 N91-12360 #
AFOSR-90-0829TR ..... 03 p0374 N91-12097 #
AFOSR-90-0830TR ..... 03 p0422 N91-12361 #
AFOSR-90-0831TR ..... 03 p0369 N91-12067 #
AFOSR-90-0832TR ..... 03 p0381 N91-12126 #
AFOSR-90-0835TR ..... 04 p0580 N91-13233 #
AFOSR-90-0840TR ..... 03 p0416 N91-12326 #
AFOSR-90-0844TR ..... 04 p0577 N91-13209 #
AFOSR-90-0846TR ..... 04 p0577 N91-13208 #
AFOSR-90-0848TR ..... 04 p0573 N91-13180 #
AFOSR-90-0849TR ..... 04 p0578 N91-13216 #
AFOSR-90-0852TR ..... 04 p0577 N91-13207 #
AFOSR-90-0853TR ..... 04 p0576 N91-13206 #
AFOSR-90-0855TR ..... 15 p2496 N91-23826 #
AFOSR-90-0856TR ..... 04 p0573 N91-13182 #
AFOSR-90-0857TR ..... 04 p0497 N91-12761 #
AFOSR-90-0859TR ..... 04 p0507 N91-12817 #
AFOSR-90-0861TR ..... 05 p0665 N91-13696 #
AFOSR-90-0862TR ..... 04 p0572 N91-13179 #
AFOSR-90-0864TR ..... 04 p0501 N91-12784 #
AFOSR-90-0865TR ..... 04 p0589 N91-13289 #
AFOSR-90-0866TR ..... 04 p0514 N91-12858 #
AFOSR-90-0867TR ..... 04 p0573 N91-13181 #
AFOSR-90-0870TR ..... 04 p0589 N91-13290 #
AFOSR-90-0871TR ..... 04 p0519 N91-12891 #
AFOSR-90-0872TR ..... 04 p0587 N91-13278* #
AFOSR-90-0873TR ..... 04 p0499 N91-12769 #
AFOSR-90-0874TR ..... 07 p0968 N91-15316 #
AFOSR-90-0875TR ..... 04 p0471 N91-12637 #
AFOSR-90-0877TR ..... 04 p0554 N91-13075 #
AFOSR-90-0878TR ..... 04 p0548 N91-13037 #
AFOSR-90-0880TR ..... 04 p0519 N91-12890 #
AFOSR-90-0881TR ..... 04 p0529 N91-12932 #
AFOSR-90-0885TR ..... 04 p0471 N91-12638 #
AFOSR-90-0886TR ..... 04 p0523 N91-12910 #
AFOSR-90-0895TR ..... 04 p0529 N91-12931 #
AFOSR-90-0897TR ..... 04 p0522 N91-12906 #
AFOSR-90-0914TR ..... 06 p0880 N91-14863 #
AFOSR-90-0915TR ..... 07 p1055 N91-15793 #
AFOSR-90-0916TR ..... 05 p0726 N91-14054 #
AFOSR-90-0917TR ..... 06 p0812 N91-14487 #
AFOSR-90-0918TR ..... 05 p0695 N91-13869 #
AFOSR-90-0919TR ..... 05 p0628 N91-13479 #
AFOSR-90-0921TR ..... 06 p0792 N91-14377 #
AFOSR-90-0922TR ..... 05 p0631 N91-13496 #
AFOSR-90-0923TR ..... 06 p0822 N91-14541 #
AFOSR-90-0924TR ..... 06 p0778 N91-14315 #
AFOSR-90-0926TR ..... 07 p1069 N91-15880 #
AFOSR-90-0927TR ..... 06 p0866 N91-14787 #
AFOSR-90-0928TR ..... 06 p0933 N91-15121 #
AFOSR-90-0929TR ..... 06 p0934 N91-15122 #
AFOSR-90-0936TR ..... 06 p0827 N91-14569 #
AFOSR-90-0937TR ..... 06 p0803 N91-14435 #
AFOSR-90-0938TR ..... 06 p0817 N91-14515 #
AFOSR-90-0939TR ..... 06 p0880 N91-14862 #
AFOSR-90-0941TR ..... 06 p0849 N91-14690 #
AFOSR-90-0943TR ..... 06 p0854 N91-14716 #
AFOSR-90-0944TR ..... 06 p0827 N91-14570 #
AFOSR-90-0945TR ..... 06 p0854 N91-14715 #
AFOSR-90-0946TR ..... 06 p0814 N91-14496 #
AFOSR-90-0948TR ..... 08 p1142 N91-16285 #
AFOSR-90-0949TR ..... 06 p0869 N91-14805 #
AFOSR-90-0950TR ..... 06 p0805 N91-14443 #
AFOSR-90-0955TR ..... 06 p0818 N91-14518 #
AFOSR-90-0956TR ..... 08 p1190 N91-16540 #
AFOSR-90-0960TR ..... 06 p0808 N91-14463 #
AFOSR-90-0961TR ..... 06 p0785 N91-14350 #
AFOSR-90-0964TR ..... 07 p1035 N91-15677 #
AFOSR-90-0965TR ..... 08 p1191 N91-16548 #
AFOSR-90-0966TR ..... 06 p0853 N91-14707 #
AFOSR-90-0967TR ..... 06 p0852 N91-14704 #
AFOSR-90-0970TR ..... 06 p0864 N91-14776 #
AFOSR-90-0971TR ..... 08 p1133 N91-16235 #
AFOSR-90-0972TR ..... 08 p1154 N91-16354 #
AFOSR-90-0978TR ..... 06 p0854 N91-14714 #
AFOSR-90-0998TR ..... 06 p0857 N91-14729 #
AFOSR-90-1002TR ..... 06 p0803 N91-14431 #
AFOSR-90-1024TR ..... 07 p0985 N91-15404 #
AFOSR-90-1025TR ..... 05 p0640 N91-13552 #
AFOSR-90-1026TR ..... 06 p0805 N91-14446 #
AFOSR-90-1027TR ..... 08 p1143 N91-16291 #
AFOSR-90-1028TR ..... 06 p0855 N91-14718 #
AFOSR-90-1030TR ..... 06 p0876 N91-14843 #
AFOSR-90-1031TR ..... 08 p1158 N91-16381 #
AFOSR-90-1032TR ..... 07 p1052 N91-15778 #
AFOSR-90-1033TR ..... 06 p0862 N91-14761 #
AFOSR-90-1034TR ..... 08 p1125 N91-16184 #
AFOSR-90-1035TR ..... 06 p0866 N91-14784 #
AFOSR-90-1037TR ..... 06 p0880 N91-14864 #
AFOSR-90-1038TR ..... 06 p0804 N91-14441 #
AFOSR-90-1040TR ..... 06 p0803 N91-14432 #
AFOSR-90-1046TR ..... 06 p0831 N91-14595 #
AFOSR-90-1047TR ..... 06 p0813 N91-14488 #
AFOSR-90-1051TR ..... 07 p1007 N91-15530* #
AFOSR-90-1052TR ..... 22 p3759 N91-30951 #
AFOSR-90-1053TR ..... 22 p3758 N91-30949 #
AFOSR-90-1054TR-VOL-171 ..... 09 p1305 N91-17159 #
AFOSR-90-1056TR-VOL-170 ..... 09 p1413 N91-17777 #
AFOSR-90-1057TR ..... 22 p3653 N91-30331 #
AFOSR-90-1059TR ..... 22 p3759 N91-30952 #
AFOSR-90-1060TR ..... 22 p3758 N91-30950 #
AFOSR-90-1065TR ..... 09 p1327 N91-17291 #
AFOSR-90-1066TR ..... 08 p1120 N91-16156 #
AFOSR-90-1068TR ..... 09 p1327 N91-17292 #
AFOSR-90-1070TR ..... 09 p1318 N91-17238 #
AFOSR-90-1071TR ..... 09 p1332 N91-17318 #
AFOSR-90-1073TR ..... 08 p1230 N91-16779 #
AFOSR-90-1074TR ..... 08 p1164 N91-16409 #
AFOSR-90-1075TR ..... 09 p1406 N91-17738 #
AFOSR-90-1076TR ..... 22 p3748 N91-30895 #
AFOSR-90-1077TR ..... 09 p1285 N91-17064 #
AFOSR-90-1079TR ..... 09 p1314 N91-17210 #
AFOSR-90-1080TR ..... 09 p1374 N91-17552 #
AFOSR-90-1089TR ..... 09 p1388 N91-17633 #
AFOSR-90-1090TR ..... 09 p1392 N91-17663 #
AFOSR-90-1091TR ..... 09 p1324 N91-17269 #
AFOSR-90-1101TR ..... 09 p1399 N91-17699 #
AFOSR-90-1102TR ..... 09 p1396 N91-17683 #
AFOSR-90-1103TR ..... 08 p1224 N91-16743 #
AFOSR-90-1105TR ..... 08 p1237 N91-16821 #
AFOSR-90-1106TR ..... 08 p1241 N91-16843 #
AFOSR-90-1107TR ..... 09 p1349 N91-17411 #
AFOSR-90-1111TR ..... 08 p1268 N91-16980 #
AFOSR-90-1112TR ..... 11 p1813 N91-19957 #
AFOSR-90-1115TR ..... 09 p1310 N91-17189 #
AFOSR-90-1118TR ..... 08 p1191 N91-16550 #
AFOSR-90-1119TR ..... 22 p3671 N91-30441 #
AFOSR-90-1120TR ..... 22 p3740 N91-30836 #
AFOSR-90-1121TR ..... 22 p3740 N91-30835 #
AFOSR-90-1122TR ..... 22 p3761 N91-30967 #
AFOSR-90-1127TR ..... 22 p3718 N91-30696 #
AFOSR-90-1129TR ..... 09 p1328 N91-17293 #
AFOSR-90-1130TR ..... 08 p1192 N91-16551 #
AFOSR-90-1131TR ..... 09 p1274 N91-17004 #
AFOSR-90-1132TR ..... 09 p1372 N91-17540 #
AFOSR-90-1133TR ..... 09 p1337 N91-17344 #
AFOSR-90-1134TR ..... 09 p1337 N91-17343 #
AFOSR-90-1136TR ..... 09 p1390 N91-17650 #
AFOSR-90-1137TR ..... 09 p1301 N91-17140* #
AFOSR-90-1138TR ..... 22 p3752 N91-30914 #
AFOSR-90-1139TR ..... 09 p1413 N91-17775 #
AFOSR-90-1140TR ..... 22 p3646 N91-30293 #
AFOSR-90-1141TR ..... 09 p1310 N91-17188 #
AFOSR-90-1143TR ..... 09 p1392 N91-17662 #
AFOSR-90-1144TR ..... 10 p1535 N91-18451 #
AFOSR-90-1145TR ..... 09 p1396 N91-17684 #
AFOSR-90-1149TR ..... 09 p1413 N91-17776 #
AFOSR-90-1151TR ..... 09 p1304 N91-17158 #
AFOSR-90-1152TR ..... 09 p1333 N91-17319 #
AFOSR-90-1154TR ..... 22 p3620 N91-30140 #
AFOSR-90-1155TR ..... 22 p3683 N91-30509 #
AFOSR-90-1156TR ..... 12 p1970 N91-20837 #
AFOSR-90-1157TR ..... 22 p3755 N91-30934 #
AFOSR-90-1158TR ..... 22 p3629 N91-30193 #

AFOSR-90-1151TR ..... 12 p1874 N91-20299 #
AFOSR-90-1162TR ..... 22 p3646 N91-30292 #
AFOSR-90-1163TR ..... 22 p3750 N91-30901 #
AFOSR-90-1164TR ..... 12 p1931 N91-20625 #
AFOSR-90-1166TR ..... 12 p1986 N91-20929 #
AFOSR-90-1167TR ..... 12 p1872 N91-20290 #
AFOSR-90-1168TR ..... 12 p1862 N91-20229 #
AFOSR-90-1169TR ..... 12 p1901 N91-20456 #
AFOSR-90-1170TR ..... 12 p1869 N91-20272 #
AFOSR-90-1171TR ..... 12 p1980 N91-20895 #
AFOSR-90-1173TR ..... 12 p1895 N91-20422 #
AFOSR-90-1174TR ..... 12 p1964 N91-20807 #
AFOSR-90-1175TR ..... 12 p1997 N91-20995 #
AFOSR-90-1177TR ..... 12 p1929 N91-20617 #
AFOSR-90-1178TR ..... 13 p2139 N91-21777 #
AFOSR-90-1179TR ..... 12 p1987 N91-20935 #
AFOSR-90-1180TR ..... 12 p1870 N91-20273 #
AFOSR-90-1181TR ..... 12 p1988 N91-20941 #
AFOSR-90-1182TR ..... 12 p1913 N91-20520 #
AFOSR-90-1184TR ..... 12 p1928 N91-20612 #
AFOSR-90-1185TR ..... 12 p1873 N91-20296 #
AFOSR-90-1186TR ..... 12 p1872 N91-20288 #
AFOSR-90-1187TR ..... 12 p1976 N91-20869 #
AFOSR-90-1188TR ..... 12 p1829 N91-20054 #
AFOSR-90-1189TR ..... 12 p1988 N91-20940 #
AFOSR-90-1190TR ..... 12 p1929 N91-20614 #
AFOSR-90-1191TR ..... 12 p1929 N91-20613 #
AFOSR-90-1193TR ..... 12 p1967 N91-20826 #
AFOSR-90-1194TR ..... 12 p1964 N91-20808 #
AFOSR-90-1195TR ..... 12 p1910 N91-20501 #
AFOSR-90-1198TR-VOL-1 ..... 12 p1970 N91-20838 #
AFOSR-90-1199TR ..... 12 p1873 N91-20292 #
AFOSR-90-1200TR ..... 12 p1866 N91-20249 #
AFOSR-90-1204TR ..... 12 p1874 N91-20298 #
AFOSR-90-1205TR ..... 12 p1989 N91-20947 #
AFOSR-90-1211TR ..... 12 p1970 N91-20834 #
AFOSR-90-1216TR ..... 14 p2299 N91-22707 #
AFOSR-90-1217TR ..... 12 p1930 N91-20619 #
AFOSR-90-1218TR ..... 12 p1966 N91-20821 #
AFOSR-90-1220TR ..... 13 p2135 N91-21756 #
AFOSR-90-1221TR ..... 12 p1971 N91-20842 #
AFOSR-90-1222TR ..... 12 p1870 N91-20276 #
AFOSR-90-1223TR ..... 12 p1870 N91-20275 #
AFOSR-90-1224TR ..... 12 p1990 N91-20955 #
AFOSR-90-1225TR ..... 13 p2077 N91-21441 #
AFOSR-91-0005TR ..... 15 p2518 N91-23957 #
AFOSR-91-0006TR ..... 14 p2331 N91-22878 #
AFOSR-91-0009TR ..... 14 p2317 N91-22798 #
AFOSR-91-0010TR ..... 14 p2264 N91-22523 #
AFOSR-91-0011TR ..... 14 p2249 N91-22444 #
AFOSR-91-0012TR ..... 14 p2243 N91-22407 #
AFOSR-91-0019TR ..... 15 p2517 N91-23950 #
AFOSR-91-0020TR ..... 15 p2406 N91-23322 #
AFOSR-91-0021TR ..... 15 p2474 N91-23706 #
AFOSR-91-0022TR ..... 15 p2508 N91-23896 #
AFOSR-91-0023TR ..... 15 p2508 N91-23897 #
AFOSR-91-0024TR ..... 14 p2331 N91-22879 #
AFOSR-91-0025TR ..... 14 p2240 N91-22394 #
AFOSR-91-0026TR ..... 14 p2188 N91-22082 #
AFOSR-91-0027TR ..... 13 p2155 N91-21879 #
AFOSR-91-0028TR ..... 13 p2163 N91-21932 #
AFOSR-91-0029TR ..... 14 p2243 N91-22408 #
AFOSR-91-0031TR ..... 14 p2323 N91-22833 #
AFOSR-91-0032TR ..... 14 p2249 N91-22442 #
AFOSR-91-0033TR ..... 15 p2428 N91-23449 #
AFOSR-91-0034TR ..... 13 p2151 N91-21859 #
AFOSR-91-0035TR ..... 13 p2137 N91-21769 #
AFOSR-91-0036TR ..... 14 p2240 N91-22390 #
AFOSR-91-0037TR ..... 14 p2328 N91-22861 #
AFOSR-91-0039TR ..... 13 p2164 N91-21934 #
AFOSR-91-0040TR ..... 14 p2233 N91-22354 #
AFOSR-91-0041TR ..... 13 p2047 N91-21260 #
AFOSR-91-0042TR ..... 14 p2196 N91-22130 #
AFOSR-91-0045TR ..... 16 p2601 N91-24411 #
AFOSR-91-0046TR ..... 15 p2510 N91-23907 #
AFOSR-91-0048TR ..... 15 p2429 N91-23453 #
AFOSR-91-0049TR ..... 15 p2509 N91-23904 #
AFOSR-91-0050TR ..... 15 p2518 N91-23961 #
AFOSR-91-0051TR ..... 17 p2739 N91-25160 #
AFOSR-91-0052TR ..... 16 p2657 N91-24700 #
AFOSR-91-0053TR ..... 15 p2477 N91-23715 #
AFOSR-91-0054TR ..... 15 p2399 N91-23286 #
AFOSR-91-0055TR ..... 15 p2407 N91-23327 #
AFOSR-91-0057TR ..... 16 p2683 N91-24853 #
AFOSR-91-0058TR ..... 16 p2657 N91-24701 #
AFOSR-91-0059TR ..... 15 p2409 N91-23336 #
AFOSR-91-0064TR ..... 15 p2478 N91-23722 #
AFOSR-91-0110TR ..... 15 p2476 N91-23714 #
AFOSR-91-0111TR ..... 15 p2429 N91-23456 #
AFOSR-91-0112TR ..... 16 p2661 N91-24725 #
AFOSR-91-0113TR ..... 15 p2518 N91-23958 #
AFOSR-91-0114TR ..... 16 p2647 N91-24653 #
AFOSR-91-0116TR ..... 15 p2448 N91-23559 #
AFOSR-91-0120TR ..... 15 p2396 N91-23267 #
AFOSR-91-0121TR ..... 15 p2509 N91-23906 #
AFOSR-91-0122TR ..... 15 p2396 N91-23269 #
AFOSR-91-0123TR ..... 15 p2514 N91-23931 #
AFOSR-91-0124TR ..... 16 p2620 N91-24504 #
AFOSR-91-0125TR ..... 15 p2492 N91-23798 #
AFOSR-91-0130TR ..... 16 p2663 N91-24734 #
AFOSR-91-0136TR ..... 16 p2675 N91-24808 #
AFOSR-91-0137TR ..... 16 p2613 N91-24466 #
AFOSR-91-0139TR ..... 15 p2366 N91-23094 #
AFOSR-91-0142TR ..... 15 p2403 N91-23308 #
AFOSR-91-0144TR ..... 16 p2704 N91-24967 #
AFOSR-91-0145TR ..... 15 p2475 N91-23708 #
AFOSR-91-0146TR ..... 16 p2668 N91-24762 #
AFOSR-91-0147TR ..... 15 p2487 N91-23772 #
AFOSR-91-0149TR ..... 15 p2487 N91-23773 #
AFOSR-91-0151TR ..... 15 p2518 N91-23960 #
AFOSR-91-0152TR ..... 15 p2396 N91-23266 #
AFOSR-91-0154TR ..... 16 p2678 N91-24825 #
AFOSR-91-0155TR ..... 15 p2492 N91-23801 #
AFOSR-91-0157TR ..... 16 p2678 N91-24823 #
AFOSR-91-0160TR ..... 15 p2432 N91-23470 #
AFOSR-91-0161TR ..... 15 p2420 N91-23406 #
AFOSR-91-0163TR ..... 16 p2668 N91-24763 #
AFOSR-91-0164TR ..... 16 p2605 N91-24433 #
AFOSR-91-0165TR ..... 16 p2624 N91-24533 #
AFOSR-91-0167TR ..... 16 p2624 N91-24531 #
AFOSR-91-0168TR ..... 15 p2510 N91-23909 #
AFOSR-91-0169TR ..... 15 p2399 N91-23287 #
AFOSR-91-0172TR ..... 16 p2689 N91-24886 #
AFOSR-91-0173TR ..... 16 p2597 N91-24393 #
AFOSR-91-0174TR ..... 15 p2408 N91-23331 #
AFOSR-91-0175TR ..... 16 p2675 N91-24806 #
AFOSR-91-0177TR ..... 16 p2683 N91-24852 #
AFOSR-91-0178TR ..... 16 p2605 N91-24434 #
AFOSR-91-0179TR ..... 16 p2668 N91-24764 #
AFOSR-91-0180TR ..... 16 p2647 N91-24655 #
AFOSR-91-0181TR ..... 16 p2670 N91-24775 #
AFOSR-91-0182TR ..... 16 p2678 N91-24822 #
AFOSR-91-0184TR ..... 16 p2624 N91-24530 #
AFOSR-91-0187TR ..... 16 p2680 N91-24840 #
AFOSR-91-0188TR ..... 15 p2477 N91-23716 #
AFOSR-91-0189TR ..... 16 p2664 N91-24737 #
AFOSR-91-0190TR ..... 16 p2663 N91-24733 #
AFOSR-91-0193TR ..... 17 p2863 N91-25834 #
AFOSR-91-0194TR ..... 16 p2605 N91-24437 #
AFOSR-91-0195TR ..... 15 p2428 N91-23450 #
AFOSR-91-0196TR ..... 15 p2429 N91-23455 #
AFOSR-91-0198TR ..... 16 p2691 N91-24899 #
AFOSR-91-0199TR ..... 18 p3064 N91-26932 #
AFOSR-91-0200TR ..... 16 p2606 N91-24444 #
AFOSR-91-0201TR ..... 16 p2676 N91-24813 #
AFOSR-91-0202TR ..... 16 p2689 N91-24887 #
AFOSR-91-0206TR ..... 16 p2621 N91-24512 #
AFOSR-91-0207TR ..... 16 p2695 N91-24920 #
AFOSR-91-0208TR ..... 16 p2613 N91-24467 #
AFOSR-91-0210TR ..... 16 p2590 N91-24354 #
AFOSR-91-0211TR ..... 16 p2680 N91-24835 #
AFOSR-91-0212TR ..... 16 p2621 N91-24510 #
AFOSR-91-0213TR ..... 16 p2606 N91-24441 #
AFOSR-91-0214TR ..... 16 p2689 N91-24885 #
AFOSR-91-0215TR ..... 16 p2683 N91-24854 #
AFOSR-91-0216TR ..... 16 p2678 N91-24824 #
AFOSR-91-0217TR ..... 19 p3266 N91-28061 #
AFOSR-91-0218TR ..... 19 p3266 N91-28062 #
AFOSR-91-0225TR ..... 18 p2964 N91-26358 #
AFOSR-91-0229TR ..... 18 p2949 N91-26273 #
AFOSR-91-0230TR ..... 18 p2997 N91-26549 #
AFOSR-91-0231TR ..... 18 p3064 N91-26929 #
AFOSR-91-0232TR ..... 21 p3465 N91-29214 #
AFOSR-91-0233TR ..... 18 p2999 N91-26564 #
AFOSR-91-0234TR ..... 18 p2999 N91-26565 #
AFOSR-91-0235TR ..... 18 p2984 N91-26477 #
AFOSR-91-0236TR ..... 18 p3021 N91-26678 #
AFOSR-91-0237TR ..... 18 p3032 N91-26740 #
AFOSR-91-0238TR-PHASE-2 ..... 18 p2990 N91-26509 #
AFOSR-91-0239TR ..... 18 p3053 N91-26860 #
AFOSR-91-0240TR ..... 18 p3067 N91-26942 #
AFOSR-91-0242TR ..... 18 p3033 N91-26742 #
AFOSR-91-0243TR ..... 18 p3032 N91-26737 #
AFOSR-91-0245TR ..... 18 p3033 N91-26741 #
AFOSR-91-0246TR ..... 18 p3059 N91-26897 #
AFOSR-91-0247TR ..... 18 p3051 N91-26845 #
AFOSR-91-0248TR ..... 18 p2935 N91-26190 #
AFOSR-91-0250TR ..... 18 p2935 N91-26191 #
AFOSR-91-0251TR ..... 18 p2964 N91-26361 #
AFOSR-91-0252TR ..... 18 p3054 N91-26865 #
AFOSR-91-0253TR ..... 18 p3041 N91-26790 #
AFOSR-91-0254TR ..... 18 p3051 N91-26848 #
AFOSR-91-0255TR ..... 18 p3032 N91-26739 #
AFOSR-91-0256TR ..... 18 p2948 N91-26269 #
AFOSR-91-0257TR ..... 18 p2950 N91-26279 #
AFOSR-91-0261TR ..... 18 p2942 N91-26227 #
AFOSR-91-0262TR ..... 18 p3053 N91-26861 #
AFOSR-91-0264TR ..... 18 p3000 N91-26567 #
AFOSR-91-0265TR ..... 18 p3052 N91-26850 #
AFOSR-91-0267TR ..... 18 p3014 N91-26643 #
AFOSR-91-0268TR ..... 19 p3240 N91-27919 #
AFOSR-91-0269TR ..... 18 p2979 N91-26452 #

AFOSR-91-0270 ..... 18 p2962 N91-26349 #
AFOSR-91-0271TR ..... 18 p3076 N91-27003 #
AFOSR-91-0272TR ..... 18 p2922 N91-26117 #
AFOSR-91-0273TR ..... 18 p3064 N91-26926 #
AFOSR-91-0274TR ..... 18 p3051 N91-26846 #
AFOSR-91-0275TR ..... 18 p2996 N91-26547 #
AFOSR-91-0276TR ..... 18 p2996 N91-26546 #
AFOSR-91-0277TR ..... 18 p3053 N91-26859 #
AFOSR-91-0278TR ..... 18 p3045 N91-26812 #
AFOSR-91-0281TR ..... 18 p3069 N91-26955 #
AFOSR-91-0283TR ..... 18 p3028 N91-26716 #
AFOSR-91-0284TR ..... 18 p3032 N91-26735 #
AFOSR-91-0358TR ..... 18 p3049 N91-26833 #
AFOSR-91-0376TR ..... 18 p3020 N91-26675 #
AFOSR-91-0377TR ..... 18 p3007 N91-26603 #
AFOSR-91-0378TR ..... 18 p2990 N91-26507 #
AFOSR-91-0379TR ..... 18 p2999 N91-26563 #
AFOSR-91-0380TR ..... 18 p2922 N91-26120 #
AFOSR-91-0381TR ..... 18 p3042 N91-26793 #
AFOSR-91-0382TR ..... 18 p2948 N91-26270 #
AFOSR-91-0383TR ..... 18 p2965 N91-26366 #
AFOSR-91-0384TR ..... 19 p3133 N91-27313 #
AFOSR-91-0387TR ..... 18 p2951 N91-26283 #
AFOSR-91-0388TR ..... 18 p3070 N91-26961 #
AFOSR-91-0389TR ..... 18 p3074 N91-26989 #
AFOSR-91-0390TR-PHASE-1 ..... 18 p3070 N91-26962 #
AFOSR-91-0391TR ..... 18 p2949 N91-26276 #
AFOSR-91-0392TR ..... 19 p3137 N91-27335 #
AFOSR-91-0393TR ..... 19 p3234 N91-27879 #
AFOSR-91-0394TR ..... 19 p3233 N91-27878 #
AFOSR-91-0395TR ..... 18 p3077 N91-27006 #
AFOSR-91-0396TR ..... 18 p3069 N91-26960 #
AFOSR-91-0397TR ..... 18 p3038 N91-26765 #
AFOSR-91-0398TR ..... 18 p2955 N91-26307 #
AFOSR-91-0399TR ..... 18 p2964 N91-26362 #
AFOSR-91-0400TR ..... 18 p2954 N91-26301 #
AFOSR-91-0441TR ..... 19 p3209 N91-27737 #
AFOSR-91-0442TR ..... 18 p3031 N91-26732 #
AFOSR-91-0443TR ..... 18 p3070 N91-26965 #
AFOSR-91-0444TR ..... 19 p3118 N91-27228 #
AFOSR-91-0445TR ..... 18 p3059 N91-26899 #
AFOSR-91-0446TR ..... 18 p2954 N91-26304 #
AFOSR-91-0447TR ..... 19 p3133 N91-27314 #
AFOSR-91-0448TR ..... 18 p2966 N91-26374 #
AFOSR-91-0449TR ..... 18 p2954 N91-26303 #
AFOSR-91-0450TR ..... 18 p2953 N91-26298 #
AFOSR-91-0451TR ..... 18 p2953 N91-26297 #
AFOSR-91-0452TR ..... 18 p3045 N91-26813 #
AFOSR-91-0453TR ..... 18 p2963 N91-26356 #
AFOSR-91-0467TR ..... 19 p3171 N91-27532 #
AFOSR-91-0468TR ..... 19 p3122 N91-27250 #
AFOSR-91-0469TR ..... 19 p3163 N91-27491 #
AFOSR-91-0476TR ..... 19 p3212 N91-27754 #
AFOSR-91-0493TR-PHASE-1 ..... 18 p3015 N91-26650 #
AFOSR-91-0494TR ..... 19 p3245 N91-27945 #
AFOSR-91-0495TR ..... 18 p3065 N91-26934 #
AFOSR-91-0496TR ..... 18 p3059 N91-26898 #
AFOSR-91-0497TR ..... 18 p2965 N91-26364 #
AFOSR-91-0498TR ..... 18 p2966 N91-26373 #
AFOSR-91-0499TR ..... 18 p2997 N91-26551 #
AFOSR-91-0500TR ..... 18 p3052 N91-26851 #
AFOSR-91-0501TR ..... 18 p3030 N91-26729 #
AFOSR-91-0503TR ..... 19 p3127 N91-27274 #
AFOSR-91-0504TR ..... 21 p3513 N91-29507 #
AFOSR-91-0505TR ..... 19 p3127 N91-27275 #
AFOSR-91-0506TR ..... 19 p3128 N91-27280 #
AFOSR-91-0508TR ..... 19 p3164 N91-27498 #
AFOSR-91-0509TR ..... 19 p3164 N91-27495 #
AFOSR-91-0511TR ..... 19 p3164 N91-27494 #
AFOSR-91-0512TR ..... 19 p3106 N91-27162 #
AFOSR-91-0513TR ..... 19 p3121 N91-27240 #
AFOSR-91-0514TR ..... 19 p3181 N91-27590 #
AFOSR-91-0525TR ..... 19 p3242 N91-27932 #
AFOSR-91-0526TR ..... 19 p3265 N91-28056 #
AFOSR-91-0527TR ..... 19 p3160 N91-27471 #
AFOSR-91-0528TR ..... 19 p3232 N91-27871 #
AFOSR-91-0529TR ..... 19 p3180 N91-27586 #
AFOSR-91-0530TR ..... 19 p3120 N91-27239 #
AFOSR-91-0531TR ..... 19 p3163 N91-27493 #
AFOSR-91-0532TR ..... 19 p3172 N91-27536 #
AFOSR-91-0535TR ..... 21 p3528 N91-29597 #
AFOSR-91-0544TR ..... 21 p3582 N91-29925 #
AFOSR-91-0546TR ..... 21 p3470 N91-29248 #
AFOSR-91-0549TR ..... 21 p3475 N91-29275 #
AFOSR-91-0554TR ..... 21 p3560 N91-29785 #
AFOSR-91-0556TR ..... 21 p3558 N91-29774 #
AFOSR-91-0557TR ..... 21 p3565 N91-29820 #
AFOSR-91-0564TR ..... 21 p3550 N91-29726 #
AFOSR-91-0565TR ..... 21 p3595 N91-29999 #
AFOSR-91-0566TR ..... 21 p3597 N91-30010 #
AFOSR-91-0568TR ..... 21 p3538 N91-29658 #
AFOSR-91-0569TR ..... 19 p3242 N91-27933 #
AFOSR-91-0569TR ..... 21 p3475 N91-29274 #
AFOSR-91-0570TR ..... 22 p3759 N91-30955 #
AFOSR-91-0571TR ..... 21 p3550 N91-29727 #
AFOSR-91-0572TR ..... 21 p3597 N91-30009 #
AFOSR-91-0574TR ..... 21 p3476 N91-29280 #
AFOSR-91-0575TR ..... 21 p3597 N91-30011 #
AFOSR-91-0576TR ..... 21 p3482 N91-29317 #
AFOSR-91-0578TR ..... 22 p3760 N91-30958 #
AFOSR-91-0580TR ..... 21 p3595 N91-29998 #
AFOSR-91-0582TR ..... 21 p3506 N91-29460 #
AFOSR-91-0583TR ..... 21 p3596 N91-30008 #
AFOSR-91-0584TR ..... 21 p3596 N91-30005 #
AFOSR-91-0586TR ..... 21 p3488 N91-29355 #
AFOSR-91-0587TR ..... 22 p3683 N91-30505 #
AFOSR-91-0590TR ..... 21 p3535 N91-29640 #
AFOSR-91-0593TR ..... 21 p3576 N91-29887 #
AFOSR-91-0594TR ..... 21 p3514 N91-29512 #
AFOSR-91-0596TR ..... 21 p3557 N91-29768 #
AFOSR-91-0599TR ..... 21 p3476 N91-29277 #
AFOSR-91-0600TR ..... 21 p3466 N91-29223 #
AFOSR-91-0602TR ..... 21 p3532 N91-29626 #
AFOSR-91-0603TR ..... 22 p3727 N91-30744 #
AFOSR-91-0604TR ..... 21 p3572 N91-29862 #
AFOSR-91-0612TR ..... 21 p3500 N91-29426 #
AFOSR-91-0614TR ..... 21 p3489 N91-29360 #
AFOSR-91-0615TR ..... 21 p3569 N91-29841 #
AFOSR-91-0616TR ..... 21 p3500 N91-29425 #
AFOSR-91-0617TR ..... 21 p3566 N91-29822 #
AFOSR-91-0639TR ..... 21 p3549 N91-29720 #
AFOSR-91-0651TR ..... 21 p3549 N91-29721 #
AFOSR-91-0664TR ..... 21 p3599 N91-30023 #
AFOSR-91-0666TR ..... 21 p3490 N91-29368 #
AFOSR-91-0886TR ..... 19 p3249 N91-27973 #

AFRRI-SR90-25 ..... 15 p2399 N91-23283 #
AFRRI-SR90-26 ..... 15 p2399 N91-23283 #
AFRRI-SR90-27 ..... 15 p2399 N91-23283 #
AFRRI-SR90-30 ..... 15 p2399 N91-23283 #
AFRRI-SR90-31 ..... 15 p2399 N91-23283 #
AFRRI-SR90-32 ..... 15 p2399 N91-23283 #
AFRRI-SR90-33 ..... 15 p2399 N91-23283 #
AFRRI-SR90-34 ..... 15 p2399 N91-23283 #
AFRRI-SR90-35 ..... 15 p2399 N91-23283 #

AFSC-TR-003-90 ..... 12 p1880 N91-20332 #

AFW/M-B/90-1 ..... 09 p1333 N91-17319 #

AFWAL-TR-87-2042-VOL-14 ..... 03 p0347 N91-11939 #
AFWAL-TR-87-2042-VOL-16 ..... 03 p0346 N91-11938 #
AFWAL-TR-88-4225 ..... 14 p2276 N91-22590 #

AFWL-89-052 ..... 13 p2087 N91-21486 #

AF011-FR-LPT91 ..... 22 p3683 N91-30505 #

AGARD-AG-160-VOL-19 ..... 18 p2976 N91-26432 #
AGARD-AG-235-ADD ..... 05 p0730 N91-14076 #
AGARD-AG-299 ..... 17 p2764 N91-25302 #
AGARD-AG-300-VOL-9 ..... 16 p2681 N91-24843 #
AGARD-AG-301-VOL-1-PT-1-3 ..... 02 p0167 N91-10967 #
AGARD-AG-301-VOL-2-PT-4-8 ..... 02 p0172 N91-10981 #
AGARD-AG-301-VOL-3-PT-9-11 ..... 02 p0169 N91-10978 #
AGARD-AG-305(F) ..... 14 p2190 N91-22099 #
AGARD-AG-306 ..... 03 p0306 N91-11706 #
AGARD-AG-308-ADD ..... 15 p2476 N91-23711 #
AGARD-AG-310 ..... 17 p2887 N91-25959 #
AGARD-AG-316 ..... 05 p0630 N91-13488 #
AGARD-AG-317 ..... 18 p2927 N91-26150 #
AGARD-AG-318(E) ..... 18 p2923 N91-26124 #
AGARD-AG-322 ..... 13 p2129 N91-21720 #
AGARD-AG-326 ..... 13 p2070 N91-21404 #
AGARD-AG-330 ..... 20 p3334 N91-28465 #

AGARD-AR-265 ..... 13 p2029 N91-21156 #
AGARD-AR-268 ..... 13 p2081 N91-21464 #
AGARD-AR-271 ..... 24 p3950 N91-32082 #
AGARD-AR-275 ..... 02 p0181 N91-11022 #
AGARD-AR-279 ..... 17 p2735 N91-25146 #
AGARD-AR-283 ..... 11 p1775 N91-19731 #
AGARD-AR-291 ..... 24 p4014 N91-32443 #
AGARD-AR-294 ..... 11 p1656 N91-19124 #
AGARD-AR-296 ..... 17 p2849 N91-25750 #
AGARD-AR-297 ..... 05 p0694 N91-13863 #
AGARD-AR-300 ..... 17 p2730 N91-25119 #

AGARD-CAL-91/1 ..... 08 p1240 N91-16833 #

AGARD-CP-456 ..... 04 p0482 N91-12682 #
AGARD-CP-473 ..... 07 p1042 N91-15715 #
AGARD-CP-474 ..... 17 p2731 N91-25121 #
AGARD-CP-479 ..... 15 p2375 N91-23147 #
AGARD-CP-480 ..... 23 p3791 N91-31144 #
AGARD-CP-481 ..... 05 p0722 N91-14030 #
AGARD-CP-482 ..... 07 p0940 N91-15154 #
AGARD-CP-483 ..... 06 p0780 N91-14324 #
AGARD-CP-484 ..... 20 p3282 N91-28150 #
AGARD-CP-485 ..... 10 p1546 N91-18506 #
AGARD-CP-486 ..... 22 p3658 N91-30362 #
AGARD-CP-487 ..... 17 p2875 N91-25902 #

AGARD-CP-488 ..... 16 p2614 N91-24472 #
AGARD-CP-490 ..... 08 p1192 N91-16553 #
AGARD-CP-491 ..... 02 p0244 N91-11358 #
AGARD-CP-492 ..... 17 p2824 N91-25602 #
AGARD-CP-493 ..... 06 p0772 N91-14278 #
AGARD-CP-495 ..... 10 p1463 N91-18067 #
AGARD-CP-508 ..... 15 p2369 N91-23108 #

AGARD-HIGHLIGHTS-90/2-Pt-2 ..... 05 p0730 N91-14080 #
AGARD-HIGHLIGHTS-91/1 ..... 15 p2542 N91-24084 #

AGARD-LS-171 ..... 04 p0603 N91-13352 #
AGARD-LS-172 ..... 24 p3982 N91-32241 #
AGARD-LS-173 ..... 05 p0619 N91-13434 #
AGARD-LS-174 ..... 03 p0340 N91-11905 #
AGARD-LS-175 ..... 24 p4074 N91-32759 #
AGARD-LS-177 ..... 19 p3147 N91-27390 #

AGARD-R-731 ..... 03 p0316 N91-11771 #
AGARD-R-743-REV ..... 14 p2341 N91-22946 #
AGARD-R-767 ..... 02 p0222 N91-11240 #
AGARD-R-772 ..... 16 p2644 N91-24638 #
AGARD-R-775 ..... 01 p0007 N91-10042 #
AGARD-R-776 ..... 14 p2191 N91-22104 #
AGARD-R-780 ..... 10 p1457 N91-18035 #
AGARD-R-781 ..... 10 p1459 N91-18048 #
AGARD-R-782 ..... 04 p0461 N91-12579 #

AGARD-WG-13 ..... 05 p0694 N91-13863 #

AGARD-29 ..... 24 p4090 N91-32851* #

AGARDOGRAPH-160 ..... 13 p2024 N91-21135* #

AGS/AD-91-1 ..... 15 p2506 N91-23886 #

AI-M-1011 ..... 22 p3746 N91-30880 #
AI-M-1014 ..... 04 p0561 N91-13111 #
AI-M-1133 ..... 13 p2137 N91-21766 #
AI-M-1168 ..... 18 p3040 N91-26782 #
AI-M-1187 ..... 07 p1036 N91-15685 #
AI-M-1209 ..... 03 p0396 N91-12203 #
AI-M-1220 ..... 18 p3045 N91-26810 #
AI-M-1226 ..... 04 p0553 N91-13069 #
AI-M-1227 ..... 04 p0562 N91-13119 #
AI-M-1238 ..... 15 p2481 N91-23732 #
AI-M-1249 ..... 04 p0555 N91-13077 #
AI-M-1255 ..... 18 p2994 N91-26535 #
AI-M-1259 ..... 13 p2137 N91-21767 #
AI-M-1263 ..... 13 p2090 N91-21500 #
AI-M-1264 ..... 18 p3040 N91-26781 #
AI-M-1265 ..... 19 p3235 N91-27890 #
AI-M-1269 ..... 18 p2978 N91-26446 #
AI-M-1272 ..... 19 p3232 N91-27870 #
AI-M-1277 ..... 18 p3045 N91-26809 #

AI-TR-1155 ..... 04 p0576 N91-13205 #
AI-TR-1179 ..... 04 p0531 N91-12949 #
AI-TR-1205 ..... 04 p0570 N91-13161 #
AI-TR-1214 ..... 03 p0374 N91-12095 #
AI-TR-1228 ..... 04 p0475 N91-12654 #
AI-TR-1229 ..... 03 p0386 N91-12150 #
AI-TR-1232 ..... 08 p1135 N91-16244 #
AI-TR-1233 ..... 09 p1383 N91-17603 #
AI-TR-1234 ..... 09 p1372 N91-17543 #
AI-TR-1235 ..... 18 p2995 N91-26539 #
AI-TR-1245 ..... 08 p1207 N91-16640 #
AI-TR-1247 ..... 08 p1159 N91-16386* #
AI-TR-1248 ..... 09 p1383 N91-17605 #
AI-TR-1251 ..... 18 p3041 N91-26791 #
AI-TR-1257 ..... 09 p1389 N91-17642 #

AIAA-87-1431 ..... 12 p1827 N91-20043* #
AIAA-89-1212 ..... 01 p0056 N91-10328* #
AIAA-89-3359 ..... 07 p0945 N91-15182* #
AIAA-89-3519 ..... 13 p2025 N91-21137* #
AIAA-90-0098 ..... 15 p2377 N91-23158 #
AIAA-90-0484 ..... 10 p1556 N91-18555 #
AIAA-90-0936 ..... 02 p0158 N91-10918* #
AIAA-90-1032 ..... 01 p0004 N91-10020* #
AIAA-90-1649 ..... 03 p0300 N91-11674* #
AIAA-90-1650 ..... 02 p0158 N91-10919* #
AIAA-90-2166 ..... 11 p1647 N91-19079* #
AIAA-90-2268 ..... 13 p2020 N91-21116* #
AIAA-90-2400 ..... 06 p0785 N91-14349* #
AIAA-90-2527 ..... 03 p0323 N91-11798* #
AIAA-90-2543 ..... 11 p1666 N91-19180* #
AIAA-90-2552 ..... 24 p3967 N91-32164* #
AIAA-90-2582 ..... 01 p0020 N91-10118* #
AIAA-90-2649 ..... 03 p0323 N91-11796* #
AIAA-90-3018 ..... 11 p1641 N91-19051* #
AIAA-90-3121 ..... 13 p2026 N91-21144* #
AIAA-90-3911 ..... 11 p1641 N91-19053* #
AIAA-90-3932 ..... 02 p0267 N91-11494* #
AIAA-90-3933 ..... 01 p0119 N91-10703* #
AIAA-90-3953 ..... 03 p0414 N91-12316* #
AIAA-90-3954 ..... 02 p0267 N91-11495* #
AIAA-90-3983 ..... 02 p0266 N91-11493* #
AIAA-90-4010 ..... 03 p0301 N91-11675* #
AIAA-90-4022 ..... 11 p1791 N91-19825* #
AIAA-90-5204 ..... 03 p0313 N91-11753* #
AIAA-90-5240 ..... 11 p1702 N91-19374* #
AIAA-91-0043 ..... 05 p0616 N91-13420* #
AIAA-91-0130 ..... 07 p0965 N91-15303* #
AIAA-91-0253 ..... 11 p1701 N91-19370* #
AIAA-91-0263 ..... 06 p0777 N91-14310* #
AIAA-91-0264 ..... 11 p1640 N91-19047* #
AIAA-91-0273 ..... 11 p1640 N91-19044* #
AIAA-91-0284 ..... 03 p0368 N91-12064* #
AIAA-91-0342 ..... 13 p2020 N91-21115* #
AIAA-91-0373 ..... 12 p1829 N91-20052* #
AIAA-91-0413 ..... 06 p0825 N91-14559* #
AIAA-91-0447 ..... 11 p1640 N91-19046* #
AIAA-91-0479 ..... 14 p2253 N91-22464* #
AIAA-91-0572 ..... 12 p1829 N91-20052* #
AIAA-91-0577 ..... 19 p3107 N91-27164* #
AIAA-91-0594 ..... 11 p1640 N91-19045* #
AIAA-91-0660 ..... 06 p0777 N91-14309* #
AIAA-91-0661 ..... 05 p0617 N91-13421* #
AIAA-91-0692 ..... 05 p0623 N91-13455* #
AIAA-91-0777 ..... 11 p1702 N91-19371* #
AIAA-91-0858 ..... 14 p2189 N91-22094 #
AIAA-91-0970 ..... 13 p2104 N91-21580* #
AIAA-91-1106 ..... 12 p1828 N91-20048* #
AIAA-91-1107 ..... 20 p3279 N91-28132* #
AIAA-91-1305 ..... 17 p2739 N91-25161* #
AIAA-91-1307 ..... 16 p2627 N91-24548* #
AIAA-91-1327 ..... 14 p2235 N91-22367* #
AIAA-91-1381 ..... 16 p2614 N91-24470* #
AIAA-91-1420 ..... 16 p2627 N91-24549* #
AIAA-91-1566 ..... 14 p2188 N91-22084* #
AIAA-91-1652 ..... 16 p2624 N91-24528* #
AIAA-91-1739 ..... 16 p2591 N91-24359* #
AIAA-91-1758 ..... 16 p2550 N91-24130* #
AIAA-91-1843 ..... 17 p2774 N91-25351* #
AIAA-91-1902 ..... 16 p2560 N91-24201* #
AIAA-91-1907 ..... 14 p2271 N91-22568* #
AIAA-91-1916 ..... 16 p2626 N91-24541* #
AIAA-91-1991 ..... 17 p2741 N91-25172* #
AIAA-91-1997 ..... 21 p3460 N91-29188* #
AIAA-91-2010 ..... 17 p2736 N91-25148* #
AIAA-91-2013 ..... 22 p3675 N91-30462* #
AIAA-91-2019 ..... 17 p2782 N91-25395* #
AIAA-91-2022 ..... 14 p2272 N91-22570* #
AIAA-91-2050 ..... 16 p2581 N91-24304* #
AIAA-91-2110 ..... 21 p3467 N91-29228* #
AIAA-91-2113 ..... 19 p3116 N91-27215* #
AIAA-91-2117 ..... 24 p3966 N91-32158* #
AIAA-91-2121 ..... 23 p3873 N91-31605* #
AIAA-91-2123 ..... 22 p3631 N91-30202* #
AIAA-91-2128 ..... 22 p3621 N91-30142* #
AIAA-91-2133 ..... 24 p3950 N91-32077* #
AIAA-91-2135 ..... 17 p2742 N91-25175* #
AIAA-91-2198 ..... 16 p2581 N91-24306* #
AIAA-91-2211 ..... 16 p2580 N91-24302* #
AIAA-91-2222 ..... 22 p3618 N91-30130* #
AIAA-91-2227 ..... 23 p3804 N91-31216* #
AIAA-91-2228 ..... 22 p3639 N91-30252* #
AIAA-91-2252 ..... 19 p3107 N91-27165* #
AIAA-91-2264 ..... 21 p3452 N91-29150* #
AIAA-91-2325 ..... 16 p2623 N91-24527* #
AIAA-91-2326 ..... 16 p2627 N91-24547* #
AIAA-91-2339 ..... 22 p3630 N91-30201* #
AIAA-91-2341 ..... 21 p3567 N91-29832* #
AIAA-91-2342 ..... 19 p3116 N91-27217* #
AIAA-91-2347 ..... 23 p3803 N91-31212* #
AIAA-91-2350 ..... 21 p3467 N91-29229* #
AIAA-91-2355 ..... 23 p3797 N91-31181* #
AIAA-91-2370 ..... 19 p3100 N91-27129* #
AIAA-91-2393 ..... 21 p3476 N91-29281 #
AIAA-91-2400 ..... 17 p2739 N91-25159* #
AIAA-91-2405 ..... 16 p2611 N91-24460* #
AIAA-91-2443 ..... 16 p2580 N91-24303* #
AIAA-91-2445 ..... 16 p2581 N91-24305* #
AIAA-91-2456 ..... 21 p3468 N91-29231* #
AIAA-91-2458 ..... 16 p2561 N91-24202* #
AIAA-91-2459 ..... 21 p3459 N91-29187* #
AIAA-91-2460 ..... 15 p2382 N91-23185* #
AIAA-91-2463 ..... 16 p2561 N91-24203* #
AIAA-91-2474 ..... 16 p2550 N91-24131* #
AIAA-91-2495-PT-2 ..... 14 p2272 N91-22571* #
AIAA-91-2528 ..... 16 p2672 N91-24787* #
AIAA-91-2531 ..... 16 p2588 N91-24341* #
AIAA-91-2792 ..... 24 p3962 N91-32143* #
AIAA-91-2822 ..... 14 p2279 N91-22604* #
AIAA-91-3311-CP ..... 22 p3610 N91-30083* #
AIAA-91-3354 ..... 17 p2728 N91-25106* #
AIAA-91-3379 ..... 16 p2648 N91-24659* #
AIAA-91-3390 ..... 19 p3176 N91-27559* #
AIAA-91-3421 ..... 19 p3154 N91-27437* #
AIAA-91-3422 ..... 19 p3161 N91-27477* #
AIAA-91-3433 ..... 20 p3359 N91-28605* #

AIAA-91-3451 ..... 19 p3116 N91-27216* #
AIAA-91-3462 ..... 20 p3448 N91-29138* #
AIAA-91-3471 ..... 21 p3497 N91-29405* #
AIAA-91-3481 ..... 21 p3466 N91-29222* #
AIAA-91-3484 ..... 21 p3466 N91-29220* #
AIAA-91-3525 ..... 24 p4008 N91-32410* #
AIAA-91-3527 ..... 21 p3485 N91-29332* #
AIAA-91-3530 ..... 21 p3479 N91-29298* #
AIAA-91-3532 ..... 21 p3497 N91-29404* #
AIAA-91-3533 ..... 24 p3983 N91-32247* #
AIAA-91-3538 ..... 21 p3608 N91-30073* #
AIAA-91-3541 ..... 20 p3347 N91-28538* #
AIAA-91-3550 ..... 20 p3331 N91-28449* #
AIAA-91-3553 ..... 24 p3967 N91-32161* #
AIAA-91-3554 ..... 21 p3466 N91-29221* #
AIAA-91-3562 ..... 19 p3115 N91-27212* #
AIAA-91-3568 ..... 24 p3967 N91-32162* #
AIAA-91-3589 ..... 24 p3989 N91-32287* #
AIAA-91-3592 ..... 21 p3592 N91-29982* #
AIAA-91-3602 ..... 24 p3967 N91-32163* #
AIAA-91-3604 ..... 23 p3803 N91-31209* #
AIAA-91-4007 ..... 23 p3851 N91-31470* #

AICHE-PAPER-174-E ..... 10 p1605 N91-18855 #

AIP-108 ..... 04 p0570 N91-13162 #
AIP-109 ..... 04 p0570 N91-13163 #
AIP-110 ..... 04 p0572 N91-13178 #
AIP-111 ..... 04 p0553 N91-13068 #
AIP-118 ..... 04 p0562 N91-13117 #
AIP-120 ..... 04 p0569 N91-13160 #
AIP-123 ..... 04 p0570 N91-13165 #
AIP-125 ..... 04 p0569 N91-13159 #
AIP-127 ..... 07 p1054 N91-15791 #
AIP-128 ..... 07 p1054 N91-15792 #
AIP-130 ..... 03 p0397 N91-12204 #
AIP-132 ..... 07 p1054 N91-15790 #
AIP-134 ..... 04 p0562 N91-13118 #

AIRMICS-ASQB-GI-90-022 ..... 19 p3151 N91-27420 #

AL-JA-1991-0018 ..... 19 p3108 N91-27171 #

AL-TP-1991-0009 ..... 22 p3726 N91-30736 #
AL-TP-1991-0011 ..... 22 p3747 N91-30881 #
AL-TP-1991-0012 ..... 22 p3726 N91-30735 #

AL-TR-89-040 ..... 06 p0822 N91-14545 #
AL-TR-89-055 ..... 15 p2408 N91-23335 #
AL-TR-89-059 ..... 13 p2150 N91-21852 #
AL-TR-89-062 ..... 12 p1870 N91-20277* #
AL-TR-89-079 ..... 12 p1865 N91-20247 #
AL-TR-90-025 ..... 07 p0986 N91-15414 #
AL-TR-90-026 ..... 22 p3681 N91-30498 #
AL-TR-90-027 ..... 12 p1877 N91-20320 #
AL-TR-90-028 ..... 13 p2151 N91-21855 #
AL-TR-90-030 ..... 09 p1298 N91-17124 #
AL-TR-90-031 ..... 08 p1111 N91-16103 #
AL-TR-90-038 ..... 08 p1112 N91-16110 #
AL-TR-90-040 ..... 13 p2084 N91-21482 #
AL-TR-90-043-PHASE-4 ..... 13 p2083 N91-21481 #
AL-TR-90-047 ..... 08 p1110 N91-16099 #
AL-TR-90-049 ..... 08 p1123 N91-16172 #
AL-TR-90-060 ..... 13 p2058 N91-21329 #
AL-TR-90-063-VOL-1 ..... 09 p1314 N91-17211 #
AL-TR-90-064 ..... 09 p1314 N91-17212 #
AL-TR-90-066 ..... 21 p3536 N91-29647 #
AL-TR-90-069 ..... 18 p2937 N91-26198 #
AL-TR-90-070 ..... 19 p3101 N91-27136 #
AL-TR-90-077 ..... 12 p1877 N91-20318 #
AL-TR-90-0630-VOL-2 ..... 14 p2245 N91-22422 #
AL-TR-91-0061 ..... 21 p3536 N91-29648 #
AL-TR-1991-0005 ..... 24 p4077 N91-32773 #

ALLISON-EDR-14249-VOL-2 ..... 06 p0785 N91-14351 #

ALS/TR-91-002 ..... 22 p3667 N91-30417 #

AMSMC/SA-MR-9004 ..... 03 p0413 N91-12309 #

AMSMI-CR-RD-AS-90-3-VOL-1 ..... 12 p1917 N91-20544 #
AMSMI-CR-RD-AS-90-3-VOL-2 ..... 12 p1917 N91-20545 #
AMSMI-CR-RD-AS-90-3-VOL-3 ..... 12 p1917 N91-20546 #

AMSMI/TR-RD-AS-91-1 ..... 12 p1884 N91-20358 #
AMSMI/TR-RD-AS-91-13 ..... 19 p3153 N91-27429 #

AMSMI/TR-RD-DE-90-1 ..... 04 p0582 N91-13248 #
AMSMI/TR-RD-DE-90-2 ..... 04 p0528 N91-12929 #

AMSMI/TR-RD-GC-90-10 ..... 15 p2383 N91-23193 #

AMSMI/TR-RD-RE-90-4 ..... 04 p0547 N91-13033 #
AMSMI/TR-RD-RE-90-6 ..... 15 p2508 N91-23899 #

AMSMI/TR-RD-SS-90-4 ..... 04 p0536 N91-12973 #

ANL-HEP-CP-90-05 ..... 08 p1206 N91-16632 #
ANL-HEP-CP-90-07 ..... 09 p1390 N91-17645 #
ANL-HEP-CP-90-46 ..... 09 p1398 N91-17692 #
ANL-HEP-CP-90-53 ..... 11 p1709 N91-19414 #
ANL-HEP-CP-90-87 ..... 06 p0871 N91-14815 #
ANL-HEP-CP-90-99 ..... 24 p4096 N91-32888 #
ANL-HEP-CP-90-106 ..... 12 p2009 N91-21054 #
ANL-HEP-CP-90-118 ..... 09 p1450 N91-18001 #
ANL-HEP-CP-90-124 ..... 20 p3403 N91-28860 #
ANL-HEP-CP-91-01 ..... 22 p3754 N91-30924 #
ANL-HEP-CP-91-03 ..... 15 p2503 N91-23862 #
ANL-HEP-CP-91-11 ..... 16 p2685 N91-24870 #
ANL-HEP-CP-91-28 ..... 20 p3391 N91-28793 #
ANL-HEP-CP-91-43 ..... 21 p3525 N91-29581 #

ANL-HEP-PR-90-28 ..... 08 p1223 N91-16737 #

ANL-HEP-TR-91-05 ..... 20 p3404 N91-28868 #
ANL-HEP-TR-91-17 ..... 14 p2258 N91-22492 #

ANL-TRANS-89-52 ..... 08 p1138 N91-16265 #
ANL-TRANS-90-16 ..... 24 p4022 N91-32476 #

ANL-90/11 ..... 08 p1269 N91-16984 #
ANL-90/19 ..... 01 p0040 N91-10236 #
ANL-90/27 ..... 17 p2762 N91-25292 #
ANL-90/28 ..... 07 p1055 N91-15798 #
ANL-90/30 ..... 05 p0707 N91-13942 #
ANL-90/38 ..... 15 p2444 N91-23538 #
ANL-90/46 ..... 15 p2421 N91-23414 #
ANL-90/47 ..... 14 p2337 N91-22919 #
ANL-91/16 ..... 20 p3382 N91-28734 #
ANL-91/27 ..... 24 p3976 N91-32213 #
ANL-91004417 ..... 07 p0999 N91-15483 #

ANL/ACL-90/2 ..... 13 p2048 N91-21266 #

ANL/ACTV-90/5 ..... 11 p1688 N91-19301 #

ANL/CP-68452 ..... 21 p3594 N91-29991 #
ANL/CP-69633 ..... 21 p3479 N91-29294 #
ANL/CP-70073 ..... 18 p3060 N91-26902 #
ANL/CP-70076 ..... 18 p2991 N91-26516 #
ANL/CP-70535 ..... 12 p1871 N91-20283 #
ANL/CP-70570 ..... 17 p2872 N91-25885 #
ANL/CP-70597 ..... 17 p2873 N91-25890 #
ANL/CP-70841 ..... 14 p2337 N91-22920 #
ANL/CP-70860 ..... 18 p2953 N91-26294 #
ANL/CP-70872 ..... 20 p3317 N91-28361 #
ANL/CP-70911 ..... 17 p2822 N91-25596 #
ANL/CP-70929 ..... 18 p3072 N91-26978 #
ANL/CP-71063 ..... 15 p2516 N91-23945 #
ANL/CP-71092 ..... 18 p3071 N91-26971 #
ANL/CP-71113 ..... 17 p2873 N91-25891 #
ANL/CP-71156 ..... 18 p3072 N91-26979 #
ANL/CP-71255 ..... 18 p3053 N91-26863 #
ANL/CP-71294 ..... 20 p3281 N91-28147 #
ANL/CP-71299 ..... 17 p2762 N91-25294 #
ANL/CP-71423 ..... 12 p1992 N91-20967 #
ANL/CP-71426 ..... 16 p2695 N91-24924 #
ANL/CP-71552 ..... 21 p3599 N91-30028 #
ANL/CP-71621 ..... 21 p3512 N91-29500 #
ANL/CP-71633 ..... 12 p1902 N91-20464 #
ANL/CP-71709 ..... 17 p2870 N91-25878 #
ANL/CP-71726 ..... 18 p3008 N91-26608 #
ANL/CP-71781 ..... 21 p3480 N91-29300 #
ANL/CP-71865 ..... 18 p3074 N91-26986 #
ANL/CP-71880 ..... 24 p4096 N91-32888 #
ANL/CP-71884 ..... 19 p3250 N91-27980 #
ANL/CP-71904 ..... 21 p3593 N91-29990 #
ANL/CP-71926 ..... 20 p3329 N91-28435 #
ANL/CP-71950 ..... 20 p3370 N91-28670 #
ANL/CP-71981 ..... 20 p3395 N91-28815 #
ANL/CP-72014 ..... 23 p3892 N91-31721 #
ANL/CP-72035 ..... 21 p3589 N91-29968 #
ANL/CP-72075 ..... 17 p2874 N91-25895 #
ANL/CP-72112 ..... 15 p2418 N91-23390 #
ANL/CP-72125 ..... 17 p2872 N91-25888 #
ANL/CP-72154 ..... 16 p2612 N91-24462 #
ANL/CP-72194 ..... 18 p3073 N91-26980 #
ANL/CP-72199 ..... 20 p3427 N91-29008 #
ANL/CP-72210 ..... 20 p3430 N91-29027 #
ANL/CP-72217 ..... 21 p3572 N91-29860 #
ANL/CP-72220 ..... 19 p3232 N91-27867 #
ANL/CP-72262 ..... 17 p2762 N91-25293 #
ANL/CP-72267 ..... 21 p3600 N91-30031 #
ANL/CP-72270 ..... 19 p3136 N91-27327 #
ANL/CP-72295 ..... 17 p2784 N91-25408 #
ANL/CP-72304 ..... 17 p2839 N91-25692 #
ANL/CP-72305 ..... 17 p2847 N91-25735 #
ANL/CP-72318 ..... 15 p2398 N91-23277 #
ANL/CP-72346 ..... 21 p3536 N91-29645 #
ANL/CP-72361 ..... 21 p3477 N91-29284 #
ANL/CP-72362 ..... 20 p3354 N91-28577 #
ANL/CP-72369 ..... 20 p3420 N91-28968 #
ANL/CP-72383 ..... 18 p3005 N91-26595 #

ANL/CP-72401 ..... 18 p2986 N91-26487 #
ANL/CP-72402 ..... 17 p2762 N91-25290 #
ANL/CP-72403 ..... 17 p2808 N91-25523 #
ANL/CP-72421 ..... 18 p2986 N91-26489 #
ANL/CP-72495 ..... 12 p1993 N91-20969 #
ANL/CP-72496 ..... 17 p2873 N91-25889 #
ANL/CP-72519 ..... 24 p4027 N91-32505 #
ANL/CP-72527 ..... 16 p2607 N91-24447 #
ANL/CP-72528-PT-1 ..... 21 p3512 N91-29502 #
ANL/CP-72529-PT-2 ..... 21 p3512 N91-29501 #
ANL/CP-72530 ..... 15 p2404 N91-23312 #
ANL/CP-72538 ..... 20 p3359 N91-28609 #
ANL/CP-72549 ..... 24 p4109 N91-32965 #
ANL/CP-72553 ..... 24 p4103 N91-32928 #
ANL/CP-72558 ..... 23 p3818 N91-31299 #
ANL/CP-72561 ..... 24 p4109 N91-32966 #
ANL/CP-72570 ..... 20 p3387 N91-28765 #
ANL/CP-72633 ..... 15 p2503 N91-23866 #
ANL/CP-72642 ..... 17 p2783 N91-25403 #
ANL/CP-72651 ..... 15 p2483 N91-23745 #
ANL/CP-72655 ..... 20 p3429 N91-29024 #
ANL/CP-72657 ..... 18 p2967 N91-26379 #
ANL/CP-72661 ..... 24 p4111 N91-32974 #
ANL/CP-72667 ..... 17 p2784 N91-25409 #
ANL/CP-72696 ..... 17 p2807 N91-25520 #
ANL/CP-72702 ..... 17 p2760 N91-25280 #
ANL/CP-72735 ..... 17 p2841 N91-25701 #
ANL/CP-72746 ..... 19 p3240 N91-27920 #
ANL/CP-72765 ..... 23 p3884 N91-31674 #
ANL/CP-72768 ..... 21 p3590 N91-29970 #
ANL/CP-72791 ..... 18 p2955 N91-26310 #
ANL/CP-72796 ..... 17 p2888 N91-25969 #
ANL/CP-72825 ..... 21 p3591 N91-29973 #
ANL/CP-72846 ..... 16 p2687 N91-24874 #
ANL/CP-72859 ..... 18 p3007 N91-26604 #
ANL/CP-72869 ..... 23 p3925 N91-31935 #
ANL/CP-72870 ..... 24 p4111 N91-32975 #
ANL/CP-72897 ..... 18 p3067 N91-26946 #
ANL/CP-72919 ..... 21 p3509 N91-29482 #
ANL/CP-72968 ..... 18 p3073 N91-26982 #
ANL/CP-72980 ..... 24 p4112 N91-32982 #
ANL/CP-72996 ..... 24 p4110 N91-32969 #
ANL/CP-72997 ..... 23 p3932 N91-31976 #
ANL/CP-72998 ..... 24 p4110 N91-32968 #
ANL/CP-73053 ..... 21 p3600 N91-30029 #
ANL/CP-73057 ..... 24 p4113 N91-32988 #
ANL/CP-73103 ..... 20 p3426 N91-29005 #
ANL/CP-73108 ..... 21 p3492 N91-29378 #
ANL/CP-73132 ..... 20 p3356 N91-28592 #
ANL/CP-73141 ..... 21 p3512 N91-29503 #
ANL/CP-73152 ..... 20 p3325 N91-28410 #
ANL/CP-73154 ..... 20 p3386 N91-28762 #
ANL/CP-73155 ..... 21 p3485 N91-29336 #
ANL/CP-73158 ..... 20 p3432 N91-29042 #
ANL/CP-73159 ..... 20 p3432 N91-29037 #
ANL/CP-73203 ..... 20 p3431 N91-29036 #
ANL/CP-73209 ..... 21 p3495 N91-29392 #
ANL/CP-73224 ..... 20 p3386 N91-28758 #
ANL/CP-73246 ..... 20 p3363 N91-28629 #
ANL/CP-73275 ..... 20 p3402 N91-28859 #
ANL/CP-73289 ..... 21 p3545 N91-29696 #
ANL/CP-73327-REV ..... 21 p3600 N91-30030 #
ANL/CP-73328 ..... 23 p3810 N91-31250 #
ANL/CP-73336 ..... 23 p3931 N91-31967 #
ANL/CP-73338 ..... 20 p3320 N91-28377 #
ANL/CP-73352 ..... 23 p3859 N91-31519 #
ANL/CP-73357 ..... 21 p3592 N91-29979 #
ANL/CP-73359 ..... 22 p3656 N91-30353 #
ANL/CP-73370 ..... 21 p3577 N91-29894 #
ANL/CP-73384 ..... 24 p4112 N91-32981 #
ANL/CP-73387 ..... 21 p3593 N91-29984 #
ANL/CP-73398 ..... 23 p3931 N91-31968 #
ANL/CP-73422 ..... 20 p3403 N91-28865 #
ANL/CP-73426 ..... 21 p3593 N91-29987 #
ANL/CP-73493 ..... 21 p3594 N91-29992 #
ANL/CP-73507 ..... 21 p3593 N91-29989 #
ANL/CP-73508 ..... 21 p3593 N91-29988 #
ANL/CP-73512 ..... 21 p3502 N91-29434 #
ANL/CP-73537 ..... 21 p3491 N91-29375 #
ANL/CP-73552 ..... 23 p3815 N91-31278 #
ANL/CP-73599 ..... 24 p4087 N91-32833 #
ANL/CP-73645 ..... 24 p4110 N91-32967 #
ANL/CP-73656 ..... 24 p4072 N91-32752 #
ANL/CP-73728 ..... 24 p4027 N91-32506 #
ANL/CP-73809 ..... 24 p4071 N91-32744 #
ANL/CP-73886 ..... 24 p4113 N91-32987 #
ANL/CP-73887 ..... 24 p4112 N91-32986 #
ANL/CP-73910 ..... 24 p4090 N91-32854 #
ANL/CP-73929 ..... 24 p4113 N91-32989 #

ANL/EAIS-2 ..... 24 p4073 N91-32757 #

ANL/EAIS/TM-48 ..... 20 p3371 N91-28675 #
ANL/EAIS/TM-52 ..... 24 p4092 N91-32860 #

ANL/ER-2 ..... 02 p0241 N91-11344 #

ANL/ESD-3 ..... 08 p1157 N91-16375 #
ANL/ESD-8 ..... 10 p1518 N91-18356 #

ANL/ESD/TM-12 ..... 10 p1613 N91-18902 #
ANL/ESD/TM-15 ..... 23 p3890 N91-31709 #

ANL/FE-90/2 ..... 10 p1498 N91-18247 #
ANL/FE-91/1 ..... 24 p3980 N91-32232 #

ANL/FPP/TM-156 ..... 11 p1803 N91-19903 #
ANL/FPP/TM-247 ..... 08 p1131 N91-16222 #

ANL/MCS-TM-140 ..... 05 p0702 N91-13913 #
ANL/MCS-TM-141 ..... 09 p1383 N91-17608 #
ANL/MCS-TM-142 ..... 10 p1580 N91-18694 #
ANL/MCS-TM-144 ..... 11 p1734 N91-19534 #
ANL/MCS-TM-146 ..... 16 p2695 N91-24925 #
ANL/MCS-TM-147 ..... 11 p1779 N91-19760 #

ANL/MCT-90/1 ..... 01 p0128 N91-10759 #

ANL/OTM-90/1 ..... 17 p2784 N91-25405 #

ANL/PP-66981 ..... 18 p2955 N91-26308 #
ANL/PP-67244 ..... 15 p2503 N91-23861 #

ANL/TIS-90/2 ..... 07 p1077 N91-15923 #

ANL/TM-484 ..... 05 p0705 N91-13933 #
ANL/TM-486 ..... 14 p2302 N91-22719 #
ANL/TM-487 ..... 16 p2618 N91-24496 #
ANL/TM-488 ..... 21 p3562 N91-29797 #

AP-42-SUPPL-C-VOL-1 ..... 13 p2112 N91-21630 #

APL-UW-TR-8929 ..... 21 p3546 N91-29700 #
APL-UW-TR-9022 ..... 18 p3056 N91-26880 #

APTI-5004 ..... 07 p1028 N91-15644 #
APTI-5005 ..... 18 p3011 N91-26630 #

AR-004-540 ..... 23 p3884 N91-31676 #
AR-005-606 ..... 24 p3963 N91-32146 #
AR-005-607 ..... 14 p2262 N91-22511 #
AR-006-087 ..... 07 p1013 N91-15560 #
AR-006-093 ..... 10 p1472 N91-18110 #
AR-006-100 ..... 01 p0011 N91-10064 #
AR-006-126 ..... 14 p2198 N91-22136 #
AR-006-147 ..... 22 p3688 N91-30534 #
AR-006-149 ..... 22 p3622 N91-30149 #
AR-006-326 ..... 10 p1535 N91-18450 #
AR-006-331 ..... 10 p1517 N91-18351 #
AR-006-333 ..... 14 p2323 N91-22828 #
AR-006-336 ..... 14 p2261 N91-22510 #
AR-006-337 ..... 14 p2190 N91-22097 #
AR-006-366 ..... 21 p3478 N91-29290 #
AR-006-584 ..... 22 p3655 N91-30341 #
AR-006-615 ..... 23 p3797 N91-31179 #
AR-0142-90-001-VOL-1 ..... 04 p0474 N91-12649 #
AR-0142-90-001-VOL-2 ..... 05 p0618 N91-13429 #
AR-0142-90-001-VOL-3 ..... 05 p0618 N91-13430 #
AR-0142-90-001-VOL-4 ..... 04 p0474 N91-12650 #
AR-0142-90-001-VOL-5 ..... 04 p0475 N91-12651 #

ARA-5589 ..... 20 p3365 N91-28644* #

ARACOR-FR468-88 ..... 14 p2276 N91-22590 #

ARAED-CR-90003 ..... 02 p0201 N91-11126 #
ARAED-CR-90008 ..... 04 p0510 N91-12834 #
ARAED-CR-90009 ..... 04 p0510 N91-12835 #
ARAED-CR-90011 ..... 04 p0511 N91-12837 #

ARAED-TR-90029 ..... 12 p1878 N91-20321 #
ARAED-TR-91001 ..... 18 p2969 N91-26390 #
ARAED-TR-91002 ..... 18 p2969 N91-26389 #
ARAED-TR-91012 ..... 21 p3468 N91-29234 #

ARB-R-90/441 ..... 02 p0233 N91-11304 #
ARB-R-90/445 ..... 02 p0234 N91-11306 #
ARB-R-90/448 ..... 14 p2283 N91-22624 #
ARB-R-91/453 ..... 18 p3006 N91-26597 #

ARC-TR-90-010 ..... 19 p3200 N91-27689 #

ARCCB-MR-90029 ..... 24 p4030 N91-32518 #

ARCCB-TR-90016 ..... 04 p0535 N91-12969 #
ARCCB-TR-90018 ..... 03 p0381 N91-12124 #
ARCCB-TR-90019 ..... 04 p0580 N91-13234 #
ARCCB-TR-90020 ..... 06 p0816 N91-14509 #
ARCCB-TR-90025 ..... 07 p1015 N91-15571 #
ARCCB-TR-90032 ..... 12 p1870 N91-20274 #
ARCCB-TR-90033 ..... 12 p1914 N91-20529 #
ARCCB-TR-90035 ..... 14 p2240 N91-22392 #
ARCCB-TR-91012 ..... 18 p2953 N91-26296 #

ARCCB-TR-91013 ..... 19 p3179 N91-27579 #
ARCCB-TR-91024 ..... 23 p3922 N91-31913 #

ARDSG-CIRC-70-1 ..... 12 p1880 N91-20332 #

ARE-TM(UHR)-91305 ..... 24 p4012 N91-32424 #

ARE-TR-88503 ..... 05 p0660 N91-13667 #
ARE-TR-90302 ..... 04 p0579 N91-13228 #

ARFSD-CR-90016 ..... 07 p0939 N91-15148 #
ARFSD-CR-91007 ..... 22 p3740 N91-30837 #

ARFSD-TR-90007 ..... 04 p0554 N91-13072 #
ARFSD-TR-90024 ..... 15 p2508 N91-23898 #
ARFSD-TR-90027 ..... 16 p2618 N91-24491 #
ARFSD-TR-90028 ..... 21 p3463 N91-29207 #
ARFSD-TR-90029 ..... 21 p3463 N91-29205 #
ARFSD-TR-90030 ..... 21 p3463 N91-29206 #
ARFSD-TR-91005 ..... 19 p3234 N91-27882 #
ARFSD-TR-91006 ..... 20 p3375 N91-28696 #
ARFSD-TR-91007 ..... 18 p3041 N91-26785 #
ARFSD-TR-91008 ..... 18 p2934 N91-26184 #

ARI-RN-90-28 ..... 03 p0397 N91-12206 #
ARI-RN-90-30 ..... 04 p0564 N91-13129 #
ARI-RN-90-31 ..... 04 p0561 N91-13112 #
ARI-RN-90-34-PT-2 ..... 04 p0561 N91-13113 #
ARI-RN-90-35 ..... 03 p0429 N91-12400 #
ARI-RN-90-36 ..... 04 p0554 N91-13071 #
ARI-RN-90-45 ..... 04 p0561 N91-13114 #
ARI-RN-90-47 ..... 04 p0568 N91-13148 #
ARI-RN-90-48 ..... 04 p0555 N91-13076 #
ARI-RN-90-52 ..... 04 p0561 N91-13115 #
ARI-RN-90-53 ..... 09 p1385 N91-17620 #
ARI-RN-90-55 ..... 04 p0552 N91-13060 #
ARI-RN-90-58 ..... 14 p2340 N91-22941 #
ARI-RN-90-59 ..... 04 p0602 N91-13351 #
ARI-RN-90-62 ..... 04 p0570 N91-13166 #
ARI-RN-90-63 ..... 06 p0867 N91-14797 #
ARI-RN-90-73 ..... 06 p0867 N91-14795 #
ARI-RN-90-78 ..... 10 p1564 N91-18602 #
ARI-RN-90-83 ..... 06 p0855 N91-14721 #
ARI-RN-90-90 ..... 06 p0860 N91-14750 #
ARI-RN-90-112 ..... 06 p0885 N91-14889 #
ARI-RN-90-113 ..... 06 p0884 N91-14888 #
ARI-RN-90-119 ..... 06 p0867 N91-14796 #
ARI-RN-90-120 ..... 06 p0855 N91-14722 #
ARI-RN-91-01-VOL-2 ..... 09 p1373 N91-17545 #
ARI-RN-91-02-VOL-3 ..... 22 p3720 N91-30703 #
ARI-RN-91-03 ..... 11 p1771 N91-19713 #
ARI-RN-91-14 ..... 13 p2130 N91-21722 #
ARI-RN-91-15 ..... 16 p2664 N91-24739 #
ARI-RN-91-21 ..... 14 p2300 N91-22710 #
ARI-RN-91-26 ..... 19 p3225 N91-27826 #
ARI-RN-91-29 ..... 15 p2476 N91-23713 #
ARI-RN-91-35-VOL-2 ..... 18 p3036 N91-26757 #
ARI-RN-91-36 ..... 19 p3213 N91-27758 #
ARI-RN-91-39 ..... 21 p3551 N91-29731 #
ARI-RN-91-40 ..... 21 p3550 N91-29725 #
ARI-RN-91-43 ..... 19 p3258 N91-28022 #
ARI-RN-91-45 ..... 21 p3563 N91-29805 #
ARI-RN-91-76 ..... 23 p3863 N91-31542 #
ARI-RN-91-78 ..... 23 p3901 N91-31774 #
ARI-RN-91-81 ..... 23 p3901 N91-31773 #
ARI-RN-91-82 ..... 23 p3901 N91-31772 #

ARI-RP-90-19A-VOL-1 ..... 03 p0397 N91-12208 #
ARI-RP-90-31 ..... 12 p1932 N91-20632 #
ARI-RP-90-33 ..... 12 p1997 N91-20991 #

ARI-RR-798 ..... 04 p0512 N91-12846 #
ARI-RR-836 ..... 19 p3145 N91-27384 #
ARI-RR-1561 ..... 04 p0487 N91-12709 #
ARI-RR-1575 ..... 12 p1931 N91-20627 #

ARI-TR-913 ..... 12 p1932 N91-20633 #
ARI-TR-914 ..... 12 p1930 N91-20623 #

ARIEM-T15-90 ..... 03 p0394 N91-12188 #

ARL-FLIGHT-MECH-R-179 ..... 14 p2262 N91-22511 #
ARL-FLIGHT-MECH-R-187 ..... 19 p3105 N91-27153 #
ARL-FLIGHT-MECH-R-188 ..... 22 p3622 N91-30149 #

ARL-FLIGHT-MECH-TM-426 ..... 12 p1958 N91-20770 #
ARL-FLIGHT-MECH-TM-432 ..... 19 p3231 N91-27861 #

ARL-GD-028 ..... 07 p0935 N91-15123 #

ARL-MAT-R-123 ..... 22 p3655 N91-30341 #

ARL-MAT-TM-403 ..... 15 p2403 N91-23306 #
ARL-MAT-TM-405 ..... 23 p3797 N91-31179 #

ARL-PROP-R-177 ..... 14 p2198 N91-22136 #
ARL-PROP-R-180 ..... 24 p3963 N91-32146 #
ARL-PROP-R-183 ..... 07 p1013 N91-15560 #
ARL-PROP-R-184 ..... 10 p1472 N91-18110 #
ARL-PROP-R-185 ..... 22 p3688 N91-30534 #

ARL-PROP-TM-439 ..... 08 p1097 N91-16020 #
ARL-PROP-TM-449 ..... 01 p0011 N91-10064 #
ARL-PROP-TM-452 ..... 21 p3467 N91-29226 #
ARL-PROP-TM-471 ..... 12 p1908 N91-20497 #

ARL-STRUC-R-427 ..... 23 p3884 N91-31676 #

ARL-STRUC-TM-568 ..... 07 p1015 N91-15573 #
ARL-STRUC-TM-569 ..... 07 p0945 N91-15178 #
ARL-STRUC-TM-570 ..... 07 p1015 N91-15572 #
ARL-STRUC-TM-577 ..... 21 p3459 N91-29185 #
ARL-STRUC-TM-578 ..... 19 p3104 N91-27152 #

ARL-SYS-TM-137 ..... 07 p0943 N91-15172 #
ARL-SYS-TM-138 ..... 07 p0943 N91-15171 #
ARL-SYS-TM-139 ..... 19 p3105 N91-27154 #
ARL-SYS-TM-141 ..... 19 p3104 N91-27148 #

ARL-TR-85-1 ..... 03 p0395 N91-12193 #
ARL-TR-90-21 ..... 03 p0414 N91-12318 #
ARL-TR-90-25 ..... 07 p0994 N91-15455 #
ARL-TR-90-33 ..... 14 p2269 N91-22554 #

ARL/PSU/TM-90-59 ..... 12 p1970 N91-20836 #
ARL/PSU/TM-90-227 ..... 08 p1188 N91-16529 #

ARL/PSU/TR-91-003 ..... 16 p2625 N91-24536 #
ARL/PSU/TR-91-008 ..... 21 p3514 N91-29515 #

ARL/SYS-PD-003 ..... 14 p2193 N91-22114 #

ARO-WRKSP-R91-01 ..... 19 p3253 N91-27997 #

ARO-15489.3-MS ..... 22 p3650 N91-30314 #
ARO-20850.4-EL ..... 07 p1075 N91-15914 #
ARO-21683.61-MA-AI ..... 12 p1967 N91-20827 #
ARO-22280.11-EL ..... 13 p2162 N91-21921 #
ARO-22612.11-EG ..... 12 p1866 N91-20255 #
ARO-22648.19-EL ..... 15 p2486 N91-23765 #
ARO-22648.20-EL ..... 15 p2525 N91-23993 #
ARO-22964.10-MA ..... 04 p0577 N91-13210* #
ARO-22966.3-MS ..... 13 p2056 N91-21318 #
ARO-23056.1-GS ..... 18 p3003 N91-26586 #
ARO-23217.4-GS ..... 21 p3542 N91-29678 #
ARO-23261.10-MS ..... 04 p0504 N91-12798 #
ARO-23332.18-PH ..... 04 p0588 N91-13286 #
ARO-23360.17-MA ..... 21 p3569 N91-29845 #
ARO-23394.10-EG ..... 09 p1272 N91-16993* #
ARO-23396.16-CH ..... 15 p2406 N91-23324 #
ARO-23422.9-EL ..... 13 p2028 N91-21153 #
ARO-23525.41-EG ..... 15 p2440 N91-23519 #
ARO-23554.4-EL-A ..... 13 p2076 N91-21438 #
ARO-23646.33-EL ..... 22 p3759 N91-30957 #
ARO-23669.29-MA ..... 15 p2495 N91-23819 #
ARO-23678.15-EL ..... 09 p1326 N91-17285 #
ARO-23758.2-EG-F ..... 16 p2547 N91-24116 #
ARO-23759.3-EG-F ..... 18 p2998 N91-26559 #
ARO-23764.3-EG-F ..... 13 p2083 N91-21478 #
ARO-23771.1-MA-F ..... 04 p0568 N91-13149 #
ARO-23776.1-MA-F ..... 09 p1382 N91-17602 #
ARO-23788.2-EL-F ..... 18 p2978 N91-26440 #
ARO-23792.1-MS-F ..... 07 p0986 N91-15413 #
ARO-23802.1-MS-F ..... 08 p1134 N91-16243 #
ARO-23804.1-MS-F ..... 18 p3058 N91-26891 #
ARO-23810.7-MS ..... 21 p3494 N91-29389 #
ARO-23836.14-EL ..... 04 p0514 N91-12860 #
ARO-23836.17-EL ..... 04 p0519 N91-12887 #
ARO-23852.11-MA ..... 14 p2304 N91-22733 #
ARO-23915.6-EG ..... 08 p1151 N91-16336 #
ARO-23921.5-CH ..... 08 p1112 N91-16107 #
ARO-23932.16-MA ..... 15 p2429 N91-23454 #
ARO-23933.10-MA ..... 21 p3567 N91-29829 #
ARO-23940.8-MS ..... 04 p0504 N91-12799 #
ARO-23941.3-CH ..... 13 p2057 N91-21319 #
ARO-23946.4-MA ..... 22 p3675 N91-30460 #
ARO-23969.6-PH ..... 14 p2331 N91-22881 #
ARO-24008.3-MS ..... 13 p2162 N91-21924 #
ARO-24023.4-EG ..... 07 p0945 N91-15183 #
ARO-24023.5-EL ..... 22 p3642 N91-30268 #
ARO-24070.6-EL ..... 07 p1000 N91-15492 #
ARO-24073.11-CH ..... 21 p3489 N91-29363 #
ARO-24074.15-MA ..... 12 p1971 N91-20845 #
ARO-24092.15-MA ..... 15 p2495 N91-23820 #
ARO-24105.19-MA ..... 21 p3556 N91-29764 #
ARO-24111.10-LS ..... 15 p2476 N91-23712 #
ARO-24115.5-CH ..... 16 p2611 N91-24457 #
ARO-24122.15-MS ..... 15 p2402 N91-23304 #
ARO-24167.9-MS ..... 07 p0972 N91-15339 #
ARO-24372.1-MA-SDI ..... 13 p2136 N91-21759 #
ARO-24376.4-GS ..... 18 p3011 N91-26628 #
ARO-24377.9-EG ..... 08 p1164 N91-16410 #

ARO-24378.17-MS ..... 16 p2681 N91-24842 #
ARO-24417.18-EL ..... 15 p2420 N91-23403 #
ARO-24453.7-PH ..... 04 p0580 N91-13235 #
ARO-24456.5-EG ..... 21 p3457 N91-29175 #
ARO-24457.4-MS ..... 07 p0983 N91-15395 #
ARO-24477.5-EL-SDI ..... 03 p0421 N91-12357 #
ARO-24538.5-EG ..... 14 p2241 N91-22395 #
ARO-24543.13-EL ..... 08 p1128 N91-16200 #
ARO-24548.3-MS-A ..... 08 p1115 N91-16129 #
ARO-24559.15-CH ..... 21 p3490 N91-29367 #
ARO-24566.8-MS ..... 13 p2050 N91-21281 #
ARO-24576.6-EG ..... 14 p2264 N91-22522 #
ARO-24623.72-EG-U1R ..... 19 p3173 N91-27542 #
ARO-24626.155-PH-UIR ..... 08 p1224 N91-16742 #
ARO-24626.175-PH-UIR ..... 13 p2154 N91-21874 #
ARO-24626.176-PH-UIR ..... 13 p2093 N91-21522 #
ARO-24626.177-PH-UIR ..... 13 p2072 N91-21411 #
ARO-24626.209-PH-UIR ..... 18 p2988 N91-26496 #
ARO-24626.210-PH-UIR ..... 18 p3063 N91-26921 #
ARO-24626.211-PH-UIR ..... 21 p3583 N91-29932 #
ARO-24653.20-MA ..... 15 p2496 N91-23827 #
ARO-24693.2-EG ..... 15 p2399 N91-23284 #
ARO-24720.24-EG ..... 18 p2998 N91-26558 #
ARO-24738.7-EG ..... 18 p2924 N91-26134 #
ARO-24788.7-EG ..... 13 p2021 N91-21120 #
ARO-24803.5-GS ..... 18 p2989 N91-26502 #
ARO-24834.4-MA ..... 15 p2495 N91-23817 #
ARO-24837.11-MS ..... 16 p2694 N91-24914 #
ARO-24839.7-EG ..... 18 p2994 N91-26531 #
ARO-24844.8-CH ..... 21 p3576 N91-29891 #
ARO-24858.23-EL ..... 22 p3759 N91-30956 #
ARO-24862.11-MA-SDI ..... 08 p1211 N91-16663 #
ARO-24863.13-EL ..... 13 p2135 N91-21757 #
ARO-24867.8-EG ..... 18 p2994 N91-26533 #
ARO-24871.7-EL ..... 14 p2331 N91-22880 #
ARO-24898.9-EL ..... 12 p1967 N91-20825 #
ARO-24919.13-MA ..... 16 p2678 N91-24826 #
ARO-24923.8-MA ..... 16 p2671 N91-24781 #
ARO-24923.9-MA ..... 18 p3040 N91-26778 #
ARO-24923.10-MA ..... 18 p3039 N91-26777 #
ARO-24929.20-CH ..... 22 p3647 N91-30300 #
ARO-24939.12-CH ..... 07 p0978 N91-15369 #
ARO-24954.33-MA-SDI ..... 04 p0564 N91-13128 #
ARO-24960.50-MA-REP ..... 06 p0861 N91-14754 #
ARO-24960.52-MA-REP ..... 06 p0865 N91-14783 #
ARO-24974.13-CH ..... 13 p2083 N91-21476 #
ARO-25003.1-GS ..... 18 p2989 N91-26501 #
ARO-25014.8-EG ..... 09 p1308 N91-17179 #
ARO-25014.8-EG ..... 22 p3609 N91-30078 #
ARO-25021.5-PH ..... 15 p2486 N91-23766 #
ARO-25045.44-EL ..... 04 p0520 N91-12893 #
ARO-25046.17-EL-SDI ..... 04 p0589 N91-13288 #
ARO-25077.6-MS ..... 18 p2997 N91-26552 #
ARO-25089.12-EL ..... 23 p3857 N91-31504 #
ARO-25130.21-GS ..... 08 p1128 N91-16201 #
ARO-25143.19-MS-A ..... 13 p2053 N91-21298 #
ARO-25146.28-PH ..... 21 p3583 N91-29931 #
ARO-25154.25-PH ..... 16 p2690 N91-24890 #
ARO-25156.12-EL ..... 21 p3507 N91-29468 #
ARO-25169.13-CH ..... 18 p2945 N91-26246 #
ARO-25224.8-EL ..... 04 p0519 N91-12888 #
ARO-25289.7-EG ..... 18 p2980 N91-26458 #
ARO-25293.16-PH ..... 22 p3683 N91-30506 #
ARO-25299.12-PH ..... 21 p3524 N91-29573 #
ARO-25323.6-MA-SDI ..... 08 p1205 N91-16625 #
ARO-25342.28-EL ..... 18 p2972 N91-26409 #
ARO-25344.8-MS ..... 16 p2605 N91-24435 #
ARO-25344.9-MS ..... 15 p2407 N91-23329 #
ARO-25344.10-MS ..... 15 p2407 N91-23330 #
ARO-25344.14-MS ..... 23 p3808 N91-31244 #
ARO-25347.2-MA ..... 18 p3053 N91-26857 #
ARO-25367.8-MS ..... 09 p1318 N91-17235 #
ARO-25375.7-PH ..... 21 p3598 N91-30015 #
ARO-25391.57-PN ..... 13 p2154 N91-21875 #
ARO-25425.21-CH ..... 21 p3576 N91-29889 #
ARO-25426.3-PH-A ..... 13 p2155 N91-21877 #
ARO-25478.19-PH ..... 18 p2989 N91-26500 #
ARO-25502.1-CH ..... 21 p3576 N91-29890 #
ARO-25507-31-EL ..... 18 p2974 N91-26419 #
ARO-25541.1-PH ..... 21 p3598 N91-30017 #
ARO-25602.3-EL ..... 22 p3668 N91-30422 #
ARO-25611.1-EL ..... 23 p3933 N91-31983 #
ARO-25670.8-GS ..... 21 p3524 N91-29575 #
ARO-25839.30-MA ..... 07 p1061 N91-15837 #
ARO-25839.31-MA ..... 08 p1211 N91-16668 #
ARO-25839.32-MA ..... 08 p1203 N91-16613 #
ARO-25839.33-MA ..... 08 p1211 N91-16667 #
ARO-25839.34-MA ..... 08 p1206 N91-16636 #
ARO-25839.35-MA ..... 08 p1210 N91-16662 #
ARO-25839.36-MA ..... 21 p3557 N91-29765 #
ARO-25839.42-MA ..... 21 p3568 N91-29836 #
ARO-25842.5-EL ..... 13 p2077 N91-21439 #
ARO-25870.29-MA ..... 15 p2524 N91-23992 #
ARO-25896.1-PH ..... 21 p3519 N91-29544 #
ARO-26067.5-MS-A ..... 18 p2994 N91-26534 #
ARO-26098.21-MA ..... 21 p3567 N91-29830 #
ARO-26099.4-LS ..... 21 p3558 N91-29772 #
ARO-26109.1-MS-A ..... 14 p2246 N91-22423 #
ARO-26130.9-MS-A ..... 13 p2057 N91-21320 #
ARO-26150.3-EL ..... 18 p3043 N91-26801 #
ARO-26194.16-MA-SDI ..... 22 p3737 N91-30811 #
ARO-26207.1-EL-SBI ..... 15 p2419 N91-23399 #
ARO-26224.2-GS ..... 09 p1322 N91-17260 #
ARO-26274.1-EL ..... 23 p3857 N91-31509 #
ARO-26275.3-GS ..... 18 p2975 N91-26426 #
ARO-26277.7-PH ..... 13 p2089 N91-21499 #
ARO-26364.2-EL ..... 15 p2494 N91-23814 #
ARO-26394.3-MA ..... 12 p1971 N91-20846 #
ARO-26394.4-MA ..... 13 p2144 N91-21809 #
ARO-26394.5-MA ..... 21 p3567 N91-29831 #
ARO-26428.1-EL-S ..... 04 p0515 N91-12861 #
ARO-26460.2-EL ..... 04 p0577 N91-13211 #
ARO-26460.3-EL ..... 04 p0516 N91-12868 #
ARO-26460.6-EL ..... 13 p2154 N91-21876 #
ARO-26466.1-EG-CF ..... 10 p1457 N91-18034 #
ARO-26572.3-EL-S ..... 22 p3662 N91-30389 #
ARO-26646.1-EL-S ..... 04 p0476 N91-12656 #
ARO-26656.6-MA ..... 14 p2306 N91-22743 #
ARO-26781.1-MA ..... 13 p2144 N91-21806 #
ARO-26825.12-MS ..... 09 p1312 N91-17201 #
ARO-26842.1-EL-SBI ..... 04 p0554 N91-13073 #
ARO-27096.1-GS-S ..... 16 p2657 N91-24703 #
ARO-27116.1-MS-A ..... 04 p0536 N91-12974 #
ARO-27246.1-EG-SAH ..... 13 p2098 N91-21548 #
ARO-27283.1-EL-CF ..... 08 p1241 N91-16842 #
ARO-27321.1-EL-SBI ..... 04 p0590 N91-13294 #
ARO-27514.2-CH ..... 18 p2988 N91-26499 #
ARO-27529.1-CH ..... 15 p2434 N91-23484 #
ARO-27574.2-MA ..... 03 p0413 N91-12310 #
ARO-27574.4-MA ..... 18 p3055 N91-26873 #
ARO-27577.1-CH ..... 15 p2505 N91-23881 #
ARO-27773.1-EL-S ..... 13 p2146 N91-21821 #
ARO-27868.1-MA ..... 04 p0533 N91-12959 #
ARO-27868.3-MA ..... 21 p3568 N91-29838 #
ARO-27868.4-MA ..... 21 p3568 N91-29839 #
ARO-27868.5-MA ..... 21 p3568 N91-29840 #
ARO-27876.1-EL-CF ..... 12 p1991 N91-20960 #
ARO-27933.1-EG-SBI ..... 16 p2611 N91-24456 #
ARO-27961.1-EG-SBI ..... 15 p2428 N91-23448 #
ARO-27981.1-EL-SBI ..... 22 p3658 N91-30360 #
ARO-28019.1-MS-CF ..... 16 p2590 N91-24354 #
ARO-28081.1-EL-SBI ..... 16 p2630 N91-24560 #
ARO-28121.1-EG-SDI ..... 15 p2391 N91-23235 #
ARO-28256.1-MS-SBI ..... 22 p3644 N91-30279 #
ARO-28258.4-PH ..... 21 p3524 N91-29576 #
ARO-28321.1-MS-CF ..... 18 p2939 N91-26210 #
ARO-28836.1-MS-CF ..... 21 p3489 N91-29361 #

AROD-90803-CH-CF ..... 22 p3758 N91-30947 #
AROD-90803-MS-CF ..... 22 p3758 N91-30947 #

ARTECH-J8350.48 ..... 04 p0510 N91-12831 #

ASA-S2/222 ..... 24 p4031 N91-32521 #

ASD-TR-90-5010 ..... 18 p2923 N91-26125 #
ASD-TR-90-5014 ..... 18 p3075 N91-26995 #
ASD-TR-90-5018 ..... 18 p2924 N91-26131 #
ASD-TR-91-5004-STUDY-1 ..... 18 p2924 N91-26130 #

ASE-5600 ..... 21 p3584 N91-29937* #

ASIPP-0005 ..... 02 p0275 N91-11544 #

ASI690-311-88 ..... 04 p0487 N91-12709 #
ASI690-316-90 ..... 03 p0397 N91-12206 #
ASI690-328-90-II-VOL-2 ..... 09 p1373 N91-17545 #
ASI690-328-90-III-VOL-3 ..... 22 p3720 N91-30703 #
ASI690-329-90-II-VOL-2 ..... 18 p3036 N91-26757 #

ASL-CR-91-0001-1 ..... 21 p3566 N91-29821 #

ASL-TR-0294 ..... 21 p3541 N91-29674 #
ASL-TR-0296 ..... 21 p3541 N91-29675 #

ASME-91-GT-217 ..... 18 p2926 N91-26146* #

ASMI-CR-RD-AS-91-6 ..... 18 p2974 N91-26420 #

ASP-480 ..... 22 p3711 N91-30651 #

ASQB-GB-90-015 ..... 17 p2829 N91-25627 #

ASSGI-TR-20 ..... 23 p3854 N91-31486

ASSGI-14SV-W7714-7-5353 ..... 23 p3854 N91-31486
ASSGI-167 ..... 23 p3852 N91-31478

ASTROMAG-034 ..... 21 p3463 N91-29204 #
ASTROMAG-035 ..... 21 p3503 N91-29444 #

ASU-CR-R-91030 ..... 19 p3166 N91-27505 #

ATC-149 ..... 12 p1925 N91-20595 #
ATC-171 ..... 08 p1129 N91-16206 #
ATC-172 ..... 09 p1322 N91-17263 #
ATC-173 ..... 04 p0549 N91-13047 #
ATC-174 ..... 22 p3616 N91-30115 #
ATC-176 ..... 12 p1925 N91-20591 #
ATC-177 ..... 09 p1323 N91-17264 #
ATC-179 ..... 19 p3150 N91-27413 #

ATM-TR-90-025 ..... 12 p1829 N91-20054 #

ATR-1 ..... 07 p0935 N91-15126* #
ATR-0090(5925-01)-1 ..... 12 p1985 N91-20925 #

AU-ARI-89-6 ..... 03 p0320 N91-11789 #
AU-ARI-89-13 ..... 16 p2669 N91-24771 #
AU-ARI-90-7 ..... 19 p3238 N91-27905 #

AVF-VSR-383.0291 ..... 18 p3039 N91-26771 #
AVF-VSR-384.0291 ..... 18 p3039 N91-26776 #
AVF-VSR-400.0491 ..... 19 p3229 N91-27850 #
AVF-VSR-90502/77-910404 ..... 19 p3229 N91-27848 #

AVSCOM-TM-90-B-017 ..... 02 p0224 N91-11252* #
AVSCOM-TM-90-B-018 ..... 07 p0972 N91-15337* #
AVSCOM-TM-90-C-011 ..... 23 p3917 N91-31876* #
AVSCOM-TM-90-C-014 ..... 06 p0838 N91-14632* #
AVSCOM-TM-90-C-015 ..... 07 p0939 N91-15146* #

AVSCOM-TR-86-C-8 ..... 16 p2562 N91-24207* #
AVSCOM-TR-86-C-9 ..... 16 p2561 N91-24206* #
AVSCOM-TR-86-C-10 ..... 16 p2562 N91-24208* #
AVSCOM-TR-86-C-11 ..... 16 p2561 N91-24205* #
AVSCOM-TR-86-C-12 ..... 16 p2561 N91-24204* #
AVSCOM-TR-88-A-003 ..... 01 p0008 N91-10045* #
AVSCOM-TR-90-A-005 ..... 13 p2024 N91-21134* #
AVSCOM-TR-90-A-009 ..... 17 p2824 N91-25601* #
AVSCOM-TR-90-B-007 ..... 05 p0625 N91-13462* #
AVSCOM-TR-90-B-008 ..... 06 p0784 N91-14347* #
AVSCOM-TR-90-B-009 ..... 07 p1020 N91-15605* #
AVSCOM-TR-90-B-010 ..... 05 p0614 N91-13406* #
AVSCOM-TR-90-B-011 ..... 07 p1020 N91-15604* #
AVSCOM-TR-90-B-012 ..... 16 p2588 N91-24343* #
AVSCOM-TR-90-C-001 ..... 04 p0533 N91-12956* #
AVSCOM-TR-90-C-002 ..... 17 p2785 N91-25411* #
AVSCOM-TR-90-C-006 ..... 04 p0523 N91-12913* #
AVSCOM-TR-90-C-010 ..... 06 p0833 N91-14602* #
AVSCOM-TR-90-C-012 ..... 15 p2381 N91-23179* #
AVSCOM-TR-90-C-014 ..... 23 p3880 N91-31648* #
AVSCOM-TR-90-C-015 ..... 13 p2094 N91-21531* #
AVSCOM-TR-90-C-017 ..... 14 p2271 N91-22566* #
AVSCOM-TR-90-C-019 ..... 11 p1714 N91-19435* #
AVSCOM-TR-90-C-020 ..... 05 p0672 N91-13737* #
AVSCOM-TR-90-C-021 ..... 03 p0313 N91-11752* #
AVSCOM-TR-90-C-022 ..... 13 p2095 N91-21534* #
AVSCOM-TR-90-C-023 ..... 19 p3178 N91-27570* #
AVSCOM-TR-90-C-024 ..... 15 p2439 N91-23514* #
AVSCOM-TR-90-C-027 ..... 11 p1714 N91-19438* #
AVSCOM-TR-90-C-028 ..... 11 p1714 N91-19439* #
AVSCOM-TR-90-C-030 ..... 11 p1701 N91-19369* #
AVSCOM-TR-90-C-031 ..... 15 p2426 N91-23439* #
AVSCOM-TR-90-C-032 ..... 17 p2782 N91-25395* #
AVSCOM-TR-90-C-033 ..... 15 p2439 N91-23513* #
AVSCOM-TR-90-D-24 ..... 15 p2375 N91-23146 #
AVSCOM-TR-91-B-001 ..... 19 p3099 N91-27120* #
AVSCOM-TR-91-B-002 ..... 14 p2239 N91-22384* #
AVSCOM-TR-91-B-005 ..... 18 p3000 N91-26569* #
AVSCOM-TR-91-B-006 ..... 23 p3886 N91-31687* #
AVSCOM-TR-91-B-008 ..... 19 p3101 N91-27132* #
AVSCOM-TR-91-B-009 ..... 22 p3694 N91-30567* #
AVSCOM-TR-91-B-010-PT-1 ..... 20 p3305 N91-28293* #
AVSCOM-TR-91-B-011-PT-2 ..... 22 p3643 N91-30274* #
AVSCOM-TR-91-B-012 ..... 22 p3644 N91-30280* #
AVSCOM-TR-91-C-001 ..... 14 p2272 N91-22570* #
AVSCOM-TR-91-C-002 ..... 08 p1145 N91-16304* #
AVSCOM-TR-91-C-003 ..... 12 p1828 N91-20044* #
AVSCOM-TR-91-C-004 ..... 13 p2044 N91-21243* #
AVSCOM-TR-91-C-006 ..... 18 p2943 N91-26233* #
AVSCOM-TR-91-C-007 ..... 14 p2271 N91-22568* #
AVSCOM-TR-91-C-008 ..... 19 p3176 N91-27558* #
AVSCOM-TR-91-C-010 ..... 22 p3688 N91-30533* #
AVSCOM-TR-91-C-011 ..... 21 p3528 N91-29599* #
AVSCOM-TR-91-C-012 ..... 14 p2270 N91-22562* #
AVSCOM-TR-91-C-014 ..... 21 p3471 N91-29250* #
AVSCOM-TR-91-C-015 ..... 15 p2437 N91-23500* #
AVSCOM-TR-91-C-016 ..... 23 p3797 N91-31178* #
AVSCOM-TR-91-C-017 ..... 22 p3690 N91-30546* #
AVSCOM-TR-91-C-018 ..... 22 p3689 N91-30537* #
AVSCOM-TR-91-C-019 ..... 14 p2241 N91-22402* #
AVSCOM-TR-91-C-021 ..... 19 p3173 N91-27546* #
AVSCOM-TR-91-C-022 ..... 23 p3881 N91-31654* #
AVSCOM-TR-91-C-029 ..... 23 p3797 N91-31181* #
AVSCOM-TR-91-C-032 ..... 17 p2785 N91-25412* #
AVSCOM-TR-91-C-034 ..... 19 p3177 N91-27569* #
AVSCOM-TR-91-C-037 ..... 19 p3105 N91-27157* #
AVSCOM-TR-91-C-039 ..... 21 p3528 N91-29600* #

AWS-TR-89/001-VOL-1 ..... 08 p1176 N91-16476 #
AWS-TR-89/002-VOL-2 ..... 08 p1177 N91-16477 #
AWS-TR-89/003-VOL-3 ..... 08 p1177 N91-16478 #
AWS-TR-89/004-VOL-4 ..... 08 p1177 N91-16479 #
AWS-TR-89/007-VOL-7 ..... 08 p1177 N91-16480 #
AWS-TR-89/010-VOL-10 ..... 08 p1177 N91-16481 #

AWS-XN-TR-89/005 ..... 16 p2659 N91-24711 #

AWS/TR-90/001 ..... 13 p2123 N91-21683 #

B-29 ..... 10 p1462 N91-18065 #
B-233745 ..... 18 p2936 N91-26194 #
B-243986 ..... 22 p3765 N91-30988 #
B-245141 ..... 22 p3765 N91-30987 #

BAE-FBS-007 ..... 23 p3894 N91-31729

BAE-WIT-RP-GEN-SWE-1996 ..... 22 p3741 N91-30845

BARC-1513 ..... 17 p2837 N91-25681 #

BBC-RD-1990/5 ..... 02 p0204 N91-11142
BBC-RD-1990/6 ..... 07 p0995 N91-15460
BBC-RD-1990/7 ..... 08 p1126 N91-16189
BBC-RD-1990/8 ..... 07 p0946 N91-15187
BBC-RD-1990/9 ..... 08 p1126 N91-16190
BBC-RD-1990/10 ..... 08 p1214 N91-16680
BBC-RD-1990/11 ..... 10 p1527 N91-18408
BBC-RD-1990/12 ..... 11 p1694 N91-19329
BBC-RD-1990/13 ..... 08 p1214 N91-16681
BBC-RD-1990/14 ..... 08 p1200 N91-16595
BBC-RD-1990/15 ..... 07 p1062 N91-15844
BBC-RD-1990/16 ..... 10 p1515 N91-18339
BBC-RD-1991/1 ..... 17 p2766 N91-25312
BBC-RD-1991/2 ..... 17 p2766 N91-25311
BBC-RD-1991/3 ..... 17 p2766 N91-25310

BBN-7165 ..... 04 p0513 N91-12854 #
BBN-7172 ..... 03 p0356 N91-11990 #
BBN-7316 ..... 04 p0546 N91-13029 #
BBN-7528 ..... 12 p1881 N91-20342 #

BCM-NS-CNS-90-001 ..... 12 p1927 N91-20605 #
BCM-NS-CNS-90-002 ..... 12 p1927 N91-20606 #

BCO-JJR-90-1348 ..... 06 p0792 N91-14378* #

BCRS-88-05 ..... 11 p1693 N91-19327 #
BCRS-89-22 ..... 02 p0242 N91-11348 #
BCRS-89-32 ..... 02 p0227 N91-11269 #
BCRS-89-35 ..... 06 p0839 N91-14637 #
BCRS-89-36 ..... 04 p0550 N91-13049 #
BCRS-89-37 ..... 03 p0358 N91-12005 #
BCRS-89-38 ..... 01 p0093 N91-10544 #
BCRS-89-39 ..... 05 p0681 N91-13785 #
BCRS-89-40 ..... 04 p0538 N91-12985 #
BCRS-89-41 ..... 02 p0228 N91-11273 #
BCRS-89-41-APP ..... 02 p0228 N91-11274 #
BCRS-89-43 ..... 04 p0548 N91-13041 #
BCRS-90-01 ..... 03 p0385 N91-12148 #
BCRS-90-03 ..... 08 p1167 N91-16425 #
BCRS-90-04 ..... 08 p1167 N91-16426 #
BCRS-90-05B ..... 14 p2280 N91-22611 #
BCRS-90-06 ..... 04 p0539 N91-12986 #
BCRS-90-07 ..... 04 p0539 N91-12987 #
BCRS-90-08 ..... 08 p1168 N91-16427 #
BCRS-90-09 ..... 08 p1168 N91-16428 #
BCRS-90-10 ..... 14 p2280 N91-22612 #
BCRS-90-11 ..... 10 p1538 N91-18464 #
BCRS-90-13 ..... 08 p1168 N91-16429 #
BCRS-90-14 ..... 08 p1168 N91-16430 #
BCRS-90-15 ..... 14 p2293 N91-22680 #
BCRS-90-16 ..... 14 p2290 N91-22666 #
BCRS-90-18 ..... 14 p2290 N91-22667 #
BCRS-90-20 ..... 14 p2268 N91-22547 #
BCRS-90-23 ..... 14 p2257 N91-22485 #
BCRS-90-37 ..... 24 p4020 N91-32469 #

BDM/MCL-90-0757-TR ..... 07 p1055 N91-15793 #

BDX-613-3962 ..... 21 p3529 N91-29606 #

BER-68 ..... 08 p1136 N91-16251 #

BFLRF-264 ..... 16 p2611 N91-24458 #
BFLRF-270 ..... 19 p3174 N91-27550 #

BHT-699-099-319-VOL-1 ..... 05 p0621 N91-13444 #

BIO-2 ..... 01 p0073 N91-10442* #

BLL-OA-TRANS-4233-(6196.3) ..... 18 p2998 N91-26557 #
BLL-OA-TRANS-4238-(6196.3) ..... 18 p2998 N91-26556 #

BMO-TR-90-127 ..... 19 p3167 N91-27513 #

BMO-TR-91-03 ..... 18 p2972 N91-26405 #

BMR-BULL-236 ..... 19 p3191 N91-27647

BN-1112 ..... 15 p2494 N91-23815 #
BN-1115 ..... 15 p2495 N91-23816 #
BN-1116 ..... 15 p2448 N91-23562 #
BN-1117 ..... 15 p2448 N91-23561 #
BN-1118 ..... 15 p2448 N91-23560 #
BN-1119 ..... 23 p3922 N91-31914 #
BN-1120 ..... 05 p0690 N91-13837* #
BN-1123 ..... 23 p3887 N91-31691 #
BN-1125 ..... 23 p3922 N91-31915 #

BNL-NUREG-45309 ..... 05 p0674 N91-13746 #
BNL-NUREG-45454 ..... 09 p1373 N91-17544 #
BNL-NUREG-45835 ..... 20 p3359 N91-28606 #

BNL-41530-2ND-ED ..... 13 p2130 N91-21725 #
BNL-43758 ..... 02 p0198 N91-11108 #
BNL-43779 ..... 13 p2161 N91-21916 #
BNL-44234 ..... 18 p3019 N91-26667 #
BNL-44235 ..... 17 p2816 N91-25565 #
BNL-44375 ..... 06 p0847 N91-14678 #
BNL-44410 ..... 08 p1172 N91-16453 #
BNL-44417 ..... 08 p1171 N91-16446 #
BNL-44429 ..... 08 p1225 N91-16747 #
BNL-44431 ..... 08 p1222 N91-16733 #
BNL-44434 ..... 01 p0027 N91-10159 #
BNL-44441 ..... 05 p0686 N91-13814 #
BNL-44446 ..... 17 p2863 N91-25832 #
BNL-44536 ..... 08 p1190 N91-16542 #
BNL-44556 ..... 20 p3424 N91-28994 #
BNL-44573 ..... 08 p1234 N91-16800 #
BNL-44653-REV-10/90 ..... 10 p1544 N91-18500 #
BNL-44673 ..... 11 p1699 N91-19360 #
BNL-44730 ..... 05 p0693 N91-13859 #
BNL-44819 ..... 01 p0128 N91-10760 #
BNL-44846 ..... 04 p0502 N91-12785 #
BNL-44858 ..... 05 p0694 N91-13866 #
BNL-44894 ..... 11 p1734 N91-19538 #
BNL-44994 ..... 06 p0787 N91-14354 #
BNL-45011 ..... 02 p0268 N91-11500 #
BNL-45115 ..... 04 p0582 N91-13247 #
BNL-45146 ..... 04 p0591 N91-13304 #
BNL-45152 ..... 04 p0529 N91-12937 #
BNL-45153 ..... 04 p0583 N91-13253 #
BNL-45154 ..... 06 p0873 N91-14826 #
BNL-45161 ..... 04 p0530 N91-12938 #
BNL-45178 ..... 04 p0573 N91-13185 #
BNL-45180 ..... 04 p0573 N91-13186 #
BNL-45182 ..... 06 p0827 N91-14571 #
BNL-45190 ..... 04 p0545 N91-13025 #
BNL-45207 ..... 08 p1234 N91-16803 #
BNL-45214 ..... 04 p0581 N91-13239 #
BNL-45216 ..... 05 p0685 N91-13811 #
BNL-45227 ..... 08 p1234 N91-16804 #
BNL-45308 ..... 06 p0871 N91-14812 #
BNL-45312 ..... 06 p0870 N91-14811 #
BNL-45321 ..... 07 p1027 N91-15640 #
BNL-45324 ..... 06 p0880 N91-14861 #
BNL-45331 ..... 20 p3309 N91-28318 #
BNL-45355 ..... 09 p1337 N91-17345 #
BNL-45381 ..... 11 p1699 N91-19361 #
BNL-45387 ..... 20 p3404 N91-28870 #
BNL-45393 ..... 09 p1399 N91-17701 #
BNL-45396 ..... 14 p2260 N91-22506 #
BNL-45415 ..... 13 p2092 N91-21513 #
BNL-45416 ..... 13 p2154 N91-21873 #
BNL-45435 ..... 20 p3339 N91-28494 #
BNL-45443 ..... 13 p2092 N91-21515 #
BNL-45445 ..... 21 p3586 N91-29947 #
BNL-45453 ..... 09 p1328 N91-17294 #
BNL-45469 ..... 11 p1795 N91-19849 #
BNL-45481 ..... 11 p1795 N91-19850 #
BNL-45482 ..... 11 p1712 N91-19432 #
BNL-45484 ..... 13 p2052 N91-21293 #
BNL-45492 ..... 10 p1590 N91-18764 #
BNL-45513 ..... 20 p3339 N91-28495 #
BNL-45541 ..... 20 p3318 N91-28370 #
BNL-45579 ..... 11 p1799 N91-19873 #
BNL-45579-REV ..... 11 p1799 N91-19874 #
BNL-45580 ..... 12 p2000 N91-21010 #
BNL-45592 ..... 13 p2053 N91-21296 #
BNL-45593 ..... 13 p2053 N91-21295 #
BNL-45594 ..... 13 p2052 N91-21294 #
BNL-45623 ..... 11 p1699 N91-19359 #
BNL-45634 ..... 13 p2049 N91-21271 #
BNL-45645 ..... 11 p1735 N91-19542 #
BNL-45651 ..... 11 p1684 N91-19279 #
BNL-45653 ..... 11 p1793 N91-19835 #
BNL-45672 ..... 11 p1684 N91-19278 #
BNL-45674 ..... 11 p1688 N91-19302 #
BNL-45676 ..... 11 p1684 N91-19280 #
BNL-45696 ..... 11 p1795 N91-19848 #
BNL-45732 ..... 11 p1808 N91-19929 #

BNL-45740 ..... 24 p3967 N91-32160 #
BNL-45750 ..... 11 p1765 N91-19712 #
BNL-45782 ..... 11 p1796 N91-19851 #
BNL-45802 ..... 15 p2433 N91-23476 #
BNL-45806 ..... 15 p2515 N91-23940 #
BNL-45879 ..... 15 p2459 N91-23626 #
BNL-45884 ..... 18 p3007 N91-26607 #
BNL-45888 ..... 13 p2148 N91-21835 #
BNL-45894 ..... 17 p2871 N91-25879 #
BNL-45935 ..... 15 p2506 N91-23886 #
BNL-45968 ..... 18 p3019 N91-26668 #
BNL-45987 ..... 17 p2871 N91-25882 #
BNL-45993 ..... 18 p3061 N91-26906 #
BNL-45998 ..... 20 p3368 N91-28660 #
BNL-46045 ..... 18 p3007 N91-26605 #
BNL-46062 ..... 18 p3008 N91-26609 #
BNL-46065 ..... 18 p3008 N91-26610 #
BNL-46067 ..... 18 p3074 N91-26990 #
BNL-46112 ..... 20 p3402 N91-28854 #
BNL-46115 ..... 21 p3542 N91-29681 #
BNL-46161 ..... 20 p3431 N91-29031 #
BNL-46178 ..... 20 p3432 N91-29039 #
BNL-46191 ..... 20 p3352 N91-28569 #
BNL-46235 ..... 21 p3468 N91-29232 #
BNL-46239 ..... 21 p3483 N91-29323 #
BNL-46240-REV ..... 24 p4042 N91-32585 #
BNL-46244 ..... 21 p3538 N91-29656 #
BNL-46259 ..... 21 p3599 N91-30026 #
BNL-46271 ..... 20 p3405 N91-28874 #
BNL-46279 ..... 21 p3573 N91-29870 #
BNL-46292 ..... 21 p3572 N91-29859 #
BNL-46293 ..... 20 p3403 N91-28866 #
BNL-46297 ..... 22 p3650 N91-30313 #
BNL-46298 ..... 22 p3760 N91-30960 #
BNL-46300 ..... 23 p3822 N91-31320 #
BNL-46322 ..... 21 p3577 N91-29895 #
BNL-46346 ..... 22 p3760 N91-30961 #
BNL-46378 ..... 23 p3892 N91-31720 #
BNL-46391 ..... 23 p3898 N91-31756 #
BNL-46400 ..... 23 p3932 N91-31972 #
BNL-46408 ..... 24 p4110 N91-32972 #
BNL-46409 ..... 24 p4097 N91-32893 #
BNL-46414 ..... 24 p4111 N91-32978 #
BNL-46442 ..... 24 p4096 N91-32889 #
BNL-46468 ..... 24 p3976 N91-32211 #
BNL-46470 ..... 23 p3933 N91-31982 #
BNL-46471 ..... 24 p4100 N91-32907 #
BNL-46475 ..... 23 p3933 N91-31981 #
BNL-46496 ..... 24 p4103 N91-32927 #
BNL-46497 ..... 24 p4102 N91-32920 #
BNL-52273 ..... 11 p1711 N91-19422 #
BNL-52285 ..... 14 p2326 N91-22851 #
BNL-52290 ..... 23 p3927 N91-31942 #

BONN-IR-90-03 ..... 03 p0390 N91-12174 #
BONN-IR-90-14 ..... 03 p0426 N91-12384 #
BONN-IR-90-20 ..... 03 p0391 N91-12175 #
BONN-IR-90-21 ..... 03 p0339 N91-11898 #
BONN-IR-90-23 ..... 03 p0385 N91-12146 #
BONN-IR-90-34 ..... 08 p1221 N91-16729 #
BONN-IR-90-38 ..... 08 p1222 N91-16730 #
BONN-IR-90-39 ..... 08 p1180 N91-16493 #
BONN-IR-90-42 ..... 08 p1222 N91-16731 #
BONN-IR-90-53 ..... 15 p2464 N91-23654 #

BP-625 ..... 20 p3353 N91-28575 #

BR-43 ..... 01 p0043 N91-10256 #

BRA-90-358R ..... 09 p1341 N91-17364 #
BRA-91-W001R ..... 08 p1143 N91-16295 #

BRDEC-TR-2498 ..... 13 p2058 N91-21327 #

BRL-CR-635 ..... 04 p0510 N91-12832 #
BRL-CR-636 ..... 03 p0346 N91-11937 #
BRL-CR-646 ..... 12 p1851 N91-20176 #
BRL-CR-651 ..... 15 p2396 N91-23265 #
BRL-CR-653 ..... 16 p2598 N91-24398 #
BRL-CR-655 ..... 18 p2941 N91-26223 #
BRL-CR-656 ..... 18 p2999 N91-26560 #
BRL-CR-658 ..... 18 p2939 N91-26213 #
BRL-CR-662 ..... 19 p3118 N91-27225 #
BRL-CR-663 ..... 18 p2942 N91-26230 #
BRL-CR-664 ..... 22 p3623 N91-30158 #
BRL-CR-665 ..... 21 p3519 N91-29545 #

BRL-MR-3752 ..... 01 p0001 N91-10005 #
BRL-MR-3773 ..... 01 p0050 N91-10300 #
BRL-MR-3836-PT-2 ..... 03 p0412 N91-12306 #
BRL-MR-3845 ..... 03 p0347 N91-11943 #
BRL-MR-3847 ..... 03 p0427 N91-12393 #
BRL-MR-3851 ..... 03 p0337 N91-11889 #
BRL-MR-3852 ..... 04 p0471 N91-12640 #
BRL-MR-3857 ..... 06 p0826 N91-14564 #
BRL-MR-3860 ..... 08 p1194 N91-16565 #

BRL-MR-3866 ..... 07 p0987 N91-15420 #
BRL-MR-3867 ..... 09 p1284 N91-17062 #
BRL-MR-3869 ..... 09 p1320 N91-17248 #
BRL-MR-3870 ..... 08 p1091 N91-15990 #
BRL-MR-3875 ..... 22 p3657 N91-30357 #
BRL-MR-3876 ..... 12 p1972 N91-20850 #
BRL-MR-3882 ..... 12 p1955 N91-20755 #
BRL-MR-3885 ..... 15 p2440 N91-23518 #
BRL-MR-3891 ..... 13 p2058 N91-21330 #
BRL-MR-3907 ..... 18 p2921 N91-26116 #
BRL-MR-3911 ..... 21 p3475 N91-29276 #
BRL-MR-3921 ..... 21 p3493 N91-29384 #
BRL-MR-3922 ..... 21 p3514 N91-29514 #

BRL-SP-86 ..... 04 p0510 N91-12833 #

BRL-TR-3026 ..... 01 p0039 N91-10230 #
BRL-TR-3110 ..... 05 p0768 N91-14266 #
BRL-TR-3112 ..... 03 p0318 N91-11779 #
BRL-TR-3120 ..... 04 p0511 N91-12838 #
BRL-TR-3121 ..... 03 p0335 N91-11878 #
BRL-TR-3124 ..... 04 p0529 N91-12934 #
BRL-TR-3125 ..... 04 p0501 N91-12783 #
BRL-TR-3126 ..... 03 p0347 N91-11941 #
BRL-TR-3131 ..... 05 p0696 N91-13877 #
BRL-TR-3133 ..... 04 p0504 N91-12800 #
BRL-TR-3134 ..... 04 p0523 N91-12914 #
BRL-TR-3138 ..... 04 p0512 N91-12845 #
BRL-TR-3139 ..... 05 p0643 N91-13571 #
BRL-TR-3140 ..... 04 p0471 N91-12641 #
BRL-TR-3143 ..... 04 p0532 N91-12950 #
BRL-TR-3147 ..... 08 p1199 N91-16589 #
BRL-TR-3149 ..... 08 p1098 N91-16029 #
BRL-TR-3152 ..... 09 p1285 N91-17066 #
BRL-TR-3153 ..... 08 p1142 N91-16287 #
BRL-TR-3154 ..... 06 p0814 N91-14497 #
BRL-TR-3159 ..... 08 p1111 N91-16104 #
BRL-TR-3163 ..... 08 p1112 N91-16106 #
BRL-TR-3165 ..... 08 p1111 N91-16105 #
BRL-TR-3170 ..... 09 p1294 N91-17110 #
BRL-TR-3173 ..... 12 p1865 N91-20248 #
BRL-TR-3175 ..... 12 p1851 N91-20175 #
BRL-TR-3179 ..... 14 p2253 N91-22462 #
BRL-TR-3180 ..... 12 p1907 N91-20492 #
BRL-TR-3181 ..... 14 p2252 N91-22461 #
BRL-TR-3183 ..... 13 p2077 N91-21442 #
BRL-TR-3184 ..... 13 p2151 N91-21854 #
BRL-TR-3188 ..... 13 p2058 N91-21328 #
BRL-TR-3189 ..... 18 p2969 N91-26391 #
BRL-TR-3191 ..... 15 p2410 N91-23342 #
BRL-TR-3192 ..... 13 p2084 N91-21484 #
BRL-TR-3195 ..... 15 p2431 N91-23469 #
BRL-TR-3196 ..... 15 p2513 N91-23930 #
BRL-TR-3197 ..... 16 p2682 N91-24850 #
BRL-TR-3207 ..... 15 p2429 N91-23457 #
BRL-TR-3208 ..... 16 p2624 N91-24529 #
BRL-TR-3214 ..... 18 p3074 N91-26988 #
BRL-TR-3215 ..... 18 p2983 N91-26473 #
BRL-TR-3222 ..... 19 p3162 N91-27484 #
BRL-TR-3225 ..... 18 p2922 N91-26118 #
BRL-TR-3227 ..... 19 p3144 N91-27376 #
BRL-TR-3229 ..... 19 p3144 N91-27377 #
BRL-TR-3239 ..... 21 p3493 N91-29383 #
BRL-TR-3240 ..... 21 p3501 N91-29428 #
BRL-TR-3245 ..... 21 p3603 N91-30050 #

BR25201 ..... 19 p3240 N91-27917 #
BR26144 ..... 19 p3113 N91-27202 #
BR110080 ..... 07 p1049 N91-15756 #
BR114106 ..... 05 p0622 N91-13451 #
BR114304 ..... 01 p0110 N91-10639 #
BR114548 ..... 06 p0783 N91-14341 #
BR114552 ..... 05 p0731 N91-14085 #
BR114645 ..... 05 p0688 N91-13829 #
BR114653 ..... 05 p0626 N91-13472 #
BR114657 ..... 05 p0633 N91-13505 #
BR114792 ..... 05 p0660 N91-13667 #
BR114794 ..... 05 p0697 N91-13882 #
BR114930 ..... 05 p0679 N91-13777 #
BR114980 ..... 08 p1126 N91-16192 #
BR115041 ..... 08 p1134 N91-16241 #
BR115042 ..... 09 p1326 N91-17283 #
BR115164 ..... 07 p1023 N91-15613 #
BR115186 ..... 07 p1066 N91-15863 #
BR115187 ..... 08 p1127 N91-16193 #
BR115204 ..... 07 p1066 N91-15862 #
BR115205 ..... 08 p1099 N91-16035 #
BR115234 ..... 09 p1379 N91-17580 #
BR115301 ..... 10 p1494 N91-18221 #
BR115324 ..... 10 p1529 N91-18422 #
BR115362 ..... 10 p1470 N91-18107 #
BR115495 ..... 12 p1889 N91-20384 #
BR115503 ..... 12 p1870 N91-20279 #
BR115576 ..... 09 p1273 N91-16998 #
BR115577 ..... 09 p1336 N91-17339 #
BR115578 ..... 09 p1276 N91-17012 #
BR115620 ..... 12 p1905 N91-20482 #
BR115684 ..... 12 p1830 N91-20056 #
BR115687 ..... 13 p2080 N91-21460 #
BR115807 ..... 12 p1959 N91-20779 #
BR115809 ..... 12 p1842 N91-20125 #
BR115852 ..... 12 p1959 N91-20781 #
BR115854 ..... 12 p1959 N91-20780 #
BR115855 ..... 09 p1277 N91-17018 #
BR115906 ..... 15 p2484 N91-23753 #
BR115966 ..... 12 p1999 N91-21003 #
BR115970 ..... 12 p1889 N91-20385 #
BR116080 ..... 16 p2688 N91-24881 #
BR116237 ..... 15 p2500 N91-23845 #
BR116334 ..... 15 p2413 N91-23364 #
BR116373 ..... 16 p2557 N91-24186 #
BR116433 ..... 15 p2517 N91-23949 #
BR116434 ..... 15 p2418 N91-23395 #
BR116507 ..... 15 p2494 N91-23811 #
BR116535 ..... 15 p2418 N91-23394 #
BR116612 ..... 15 p2500 N91-23846 #
BR116642 ..... 22 p3678 N91-30480 #
BR116643 ..... 22 p3729 N91-30758 #
BR116690 ..... 22 p3729 N91-30755 #
BR116728 ..... 22 p3617 N91-30123 #
BR116741 ..... 22 p3729 N91-30757 #
BR300023 ..... 22 p3747 N91-30884 #
BR300166 ..... 22 p3645 N91-30285 #
BR300555 ..... 24 p4012 N91-32424 #
BR300629 ..... 22 p3627 N91-30183 #
BR300630 ..... 22 p3621 N91-30144 #
BR300631 ..... 22 p3627 N91-30184 #
BR300632 ..... 22 p3621 N91-30145 #
BR300696 ..... 22 p3678 N91-30481 #
BR300700 ..... 22 p3695 N91-30569 #
BR300701 ..... 22 p3627 N91-30182 #
BR300706 ..... 22 p3729 N91-30760 #
BR300771 ..... 16 p2619 N91-24500 #
BR300873 ..... 22 p3670 N91-30432 #
BR301184 ..... 22 p3729 N91-30759 #
BR301533 ..... 22 p3621 N91-30147 #
BR301645 ..... 22 p3621 N91-30146 #
BR301954 ..... 22 p3729 N91-30756 #
BR302008 ..... 22 p3718 N91-30694 #
BR302014 ..... 22 p3664 N91-30401 #
BR302518 ..... 22 p3627 N91-30185 #
BR302896 ..... 21 p3511 N91-29493 #
BR302903 ..... 22 p3670 N91-30433 #
BR302904 ..... 22 p3670 N91-30434 #

BS-276 ..... 03 p0401 N91-12232 #

BU-405 ..... 11 p1677 N91-19244 #
BU-406 ..... 11 p1677 N91-19245 #
BU-407 ..... 11 p1723 N91-19486 #
BU-409 ..... 11 p1677 N91-19246 #
BU-410 ..... 11 p1678 N91-19247 #
BU-411 ..... 11 p1723 N91-19487 #
BU-412 ..... 11 p1717 N91-19453 #
BU-413 ..... 11 p1644 N91-19068 #
BU-414 ..... 11 p1705 N91-19391 #
BU-415 ..... 11 p1723 N91-19488 #
BU-416 ..... 11 p1728 N91-19512 #
BU-500 ..... 14 p2188 N91-22086 #
BU-501 ..... 14 p2264 N91-22526 #
BU-502 ..... 14 p2300 N91-22713 #
BU-503 ..... 14 p2290 N91-22668 #
BU-504 ..... 14 p2194 N91-22119 #
BU-505 ..... 14 p2197 N91-22132 #
BU-506 ..... 14 p2197 N91-22133 #
BU-507 ..... 14 p2241 N91-22398 #
BU-508 ..... 14 p2188 N91-22087 #
BU-509 ..... 14 p2241 N91-22399 #
BU-510 ..... 14 p2234 N91-22361 #
BU-511 ..... 14 p2264 N91-22527 #
BU-512 ..... 14 p2318 N91-22802 #
BU-513 ..... 14 p2207 N91-22188 #
BU-514 ..... 14 p2189 N91-22088 #
BU-515 ..... 14 p2241 N91-22400 #
BU-516 ..... 14 p2264 N91-22528 #
BU-517 ..... 14 p2194 N91-22120 #
BU-518 ..... 14 p2207 N91-22187 #
BU-519 ..... 14 p2189 N91-22089 #
BU-520 ..... 14 p2265 N91-22529 #
BU-521 ..... 14 p2197 N91-22134 #

BUGRI-0005 ..... 01 p0135 N91-10801 #

BUMINES-IC-9265 ..... 09 p1383 N91-17610 #
BUMINES-IC-9267 ..... 09 p1364 N91-17497 #

BUMINES-RI-9312 ..... 09 p1309 N91-17185 #
BUMINES-RI-9324 ..... 09 p1313 N91-17206 #
BUMINES-RI-9329 ..... 24 p4026 N91-32499 #

C-937 ..... 08 p1135 N91-16247 #
C-6734-006 ..... 15 p2430 N91-23459 #

CA-PATENT-APPL-SN-2-009-634 ..... 23 p3796 N91-31174
CA-PATENT-APPL-SN-2-009-635 ..... 23 p3796 N91-31175
CA-PATENT-APPL-SN-2-009-636 ..... 23 p3796 N91-31176

CA-1/90 ..... 15 p2389 N91-23223 #
CA-2/90 ..... 15 p2388 N91-23218 #
CA-3/90 ..... 15 p2457 N91-23615 #
CA-4/90 ..... 15 p2388 N91-23220 #
CA-5/90 ..... 15 p2431 N91-23468 #
CA-7/90 ..... 15 p2389 N91-23221 #
CA-10/90 ..... 15 p2389 N91-23222 #

CAL-1811R ..... 08 p1223 N91-16740 #
CAL-1884 ..... 13 p2131 N91-21728* #
CAL-1911 ..... 22 p3771 N91-31026* #
CAL-1913 ..... 22 p3771 N91-31029* #

CALSPAN-7205-26 ..... 06 p0785 N91-14353* #

CAM-9002 ..... 24 p3970 N91-32178 #
CAM-9009 ..... 12 p1864 N91-20241* #

CAR-TR-537 ..... 16 p2679 N91-24830 #
CAR-TR-545 ..... 18 p3055 N91-26874 #

CAR-90-1 ..... 08 p1103 N91-16059* #
CAR-91-2 ..... 19 p3110 N91-27181* #

CASS-90-7-01 ..... 04 p0548 N91-13037 #

CBIP-M-60 ..... 18 p3040 N91-26781 #

CBIP-46 ..... 18 p3045 N91-26810 #
CBIP-48 ..... 03 p0396 N91-12203 #

CBP/TRS-34/89-VOL-1 ..... 01 p0065 N91-10391 #
CBP/TRS-35/89-VOL-2 ..... 01 p0065 N91-10392 #

CBPF-NF-015/89 ..... 13 p2183 N91-22062 #
CBPF-NF-065/88 ..... 03 p0389 N91-12168 #
CBPF-NF-072/88 ..... 03 p0425 N91-12383 #

CCI-G89-0056-01 ..... 18 p3018 N91-26665 #

CCMS-90-11 ..... 06 p0802 N91-14424* #
CCMS-91-03 ..... 13 p2100 N91-21561* #
CCMS-91-05 ..... 14 p2274 N91-22577* #
CCMS-91-06 ..... 13 p2100 N91-21560* #
CCMS-91-08 ..... 15 p2392 N91-23242* #
CCMS-91-16 ..... 20 p3305 N91-28292* #

CCS-RR-651 ..... 03 p0407 N91-12269 #

CD-RPT-ITL-5043-003 ..... 23 p3853 N91-31482

CDI-84-6 ..... 11 p1644 N91-19067* #
CDI-87-02 ..... 11 p1645 N91-19074* #

CDRL-1470 ..... 09 p1381 N91-17592 #
CDRL-1490A-001 ..... 09 p1380 N91-17591 #
CDRL-1550 ..... 09 p1380 N91-17589 #
CDRL-1550 ..... 09 p1380 N91-17590 #
CDRL-1550 ..... 09 p1381 N91-17593 #
CDRL-1810 ..... 08 p1204 N91-16619 #
CDRL-1820 ..... 08 p1204 N91-16618 #

CEA-90/1 ..... 22 p3726 N91-30737 #

CEBAF-PR-89-004 ..... 06 p0871 N91-14816 #
CEBAF-PR-90-012 ..... 07 p0995 N91-15459 #

CEMA-86-17 ..... 15 p2520 N91-23967 #
CEMA-86/11 ..... 15 p2496 N91-23828 #
CEMA-86/17 ..... 15 p2458 N91-23621 #
CEMA-87-87 ..... 16 p2697 N91-24935 #

CEQ-90010530 ..... 08 p1171 N91-16450 #

CER-90-12 ..... 08 p1201 N91-16605 #
CER-90-37 ..... 22 p3743 N91-30855 #

CERC-TR-91-1 ..... 18 p3017 N91-26661 #

CERC-90-2 ..... 06 p0784 N91-14348 #
CERC-90-3 ..... 22 p3711 N91-30657 #
CERC-90-17 ..... 22 p3711 N91-30656 #
CERC-91-1 ..... 20 p3377 N91-28707 #

CERL-ADP-P-91/05 ..... 15 p2487 N91-23769 #
CERL-ADP-P-91/12 ..... 15 p2485 N91-23762 #
CERL-ADP-P-91/14 ..... 15 p2520 N91-23968 #

CERL-SR-N-90/16 ..... 08 p1166 N91-16416 #
CERL-SR-N-91/22 ..... 21 p3563 N91-29803 #

CERL-TR-E-90/10 ..... 03 p0386 N91-12153 #

CERL-TR-M-90/16 ..... 04 p0495 N91-12750 #
CERL-TR-M-91/06 ..... 14 p2254 N91-22469 #
CERL-TR-M-91/09 ..... 12 p1987 N91-20936 #
CERL-TR-M-91/12 ..... 13 p2074 N91-21424 #
CERL-TR-M-91/14 ..... 15 p2389 N91-23227 #

CERL-TR-P-91/34 ..... 21 p3556 N91-29758 #

CERN-TH-5618/90 ..... 14 p2338 N91-22925 #

CERN-90-09 ..... 20 p3394 N91-28813 #

CESAR-90/12 ..... 08 p1158 N91-16376 #
CESAR-90/54 ..... 15 p2439 N91-23511 #
CESAR-91/01 ..... 11 p1715 N91-19444 #
CESAR-91/03 ..... 15 p2438 N91-23505 #
CESAR-91/04 ..... 17 p2784 N91-25406 #
CESAR-91/07 ..... 20 p3390 N91-28784 #

CETHA-TE-CR-89044 ..... 03 p0337 N91-11886 #
CETHA-TE-CR-91001 ..... 19 p3122 N91-27248 #

CETIM-13N061 ..... 05 p0673 N91-13742 #
CETIM-101130 ..... 05 p0632 N91-13504 #
CETIM-101580 ..... 05 p0646 N91-13583 #
CETIM-104430 ..... 05 p0673 N91-13741 #
CETIM-104700 ..... 05 p0672 N91-13738 #
CETIM-104720 ..... 05 p0672 N91-13739 #
CETIM-104730 ..... 05 p0673 N91-13740 #
CETIM-104850 ..... 05 p0637 N91-13532 #
CETIM-105070 ..... 05 p0703 N91-13917 #
CETIM-105430 ..... 12 p1868 N91-20263 #
CETIM-106470 ..... 05 p0637 N91-13533 #
CETIM-107270 ..... 05 p0674 N91-13749 #
CETIM-108220 ..... 05 p0679 N91-13775 #
CETIM-108830 ..... 05 p0679 N91-13776 #

CFD-24 ..... 01 p0004 N91-10019* #

CHAM-2008/3-A-VOL-2 ..... 05 p0630 N91-13489* #

CI-94 ..... 04 p0538 N91-12984 #
CI-95 ..... 04 p0536 N91-12970 #

CISLAN-90/UT-133 ..... 14 p2302 N91-22718 #

CIT-REF-06/769E(4) ..... 16 p2635 N91-24589 #

CLASSIC-MS-90-24 ..... 19 p3204 N91-27712 #

CLASSIC-91-25 ..... 18 p3049 N91-26836 #

CLS-90-101 ..... 13 p2155 N91-21879 #

CMC-GIT-90-1 ..... 18 p2935 N91-26190 #

CMC-5485-90-1 ..... 05 p0631 N91-13496 #

CMOTT-91-4 ..... 22 p3744 N91-30865* #
CMOTT-91-01 ..... 15 p2422 N91-23416* #
CMOTT-91-02 ..... 14 p2264 N91-22524* #
CMOTT-91-03 ..... 16 p2623 N91-24525* #
CMOTT-91-05 ..... 23 p3871 N91-31597* #
CMOTT-91-06 ..... 24 p4017 N91-32460* #

CMS-TSR-90-23 ..... 16 p2625 N91-24537 #
CMS-TSR-90-24 ..... 18 p2983 N91-26472 #
CMS-TSR-91-5 ..... 15 p2495 N91-23818 #
CMS-TSR-92-2 ..... 21 p3566 N91-29826 #

CMU-CS-89-113 ..... 04 p0553 N91-13068 #
CMU-CS-90-138 ..... 04 p0562 N91-13117 #
CMU-CS-90-195 ..... 15 p2486 N91-23763 #

CMU-HEP90-13 ..... 01 p0117 N91-10695* #
CMU-HEP91-05 ..... 16 p2697 N91-24934* #
CMU-HEP91-08 ..... 20 p3402 N91-28858* #

CMU-RI-TR-89-28 ..... 07 p1081 N91-15947* #
CMU-RI-TR-90-08 ..... 07 p1022 N91-15612* #
CMU-RI-TR-90-10 ..... 06 p0866 N91-14788 #
CMU-RI-TR-90-13 ..... 12 p1994 N91-20978 #
CMU-RI-TR-90-15 ..... 12 p1879 N91-20329* #
CMU-RI-TR-90-16 ..... 12 p1880 N91-20331* #
CMU-RI-TR-90-17 ..... 12 p1879 N91-20330* #
CMU-RI-TR-90-18 ..... 12 p1969 N91-20832 #
CMU-RI-TR-90-25 ..... 16 p2675 N91-24804 #
CMU-RI-TR-90-27 ..... 16 p2675 N91-24807 #
CMU-RI-TR-90-28 ..... 15 p2492 N91-23803 #
CMU-RI-TR-90-29 ..... 15 p2492 N91-23802 #
CMU-RI-TR-90-32 ..... 16 p2671 N91-24783 #
CMU-RI-TR-90-34 ..... 15 p2460 N91-23633 #
CMU-RI-TR-91-01 ..... 19 p3175 N91-27554* #
CMU-RI-TR-91-05 ..... 19 p3259 N91-28025* #
CMU-RI-TR-91-06 ..... 19 p3175 N91-27553 #
CMU-RI-TR-91-07 ..... 19 p3175 N91-27556 #

CMU-RI-TR-91-08 ..... 21 p3526 N91-29586 #
CMU-RI-TR-91-09 ..... 19 p3175 N91-27555 #

CMU-TR-90-31 ..... 16 p2675 N91-24805 #

CMU-1-50129 ..... 04 p0504 N91-12798 #

CMU/SEI-CM-2-2-1 ..... 19 p3227 N91-27840 #
CMU/SEI-CM-4-1-4 ..... 19 p3220 N91-27798 #
CMU/SEI-CM-7-1-1 ..... 19 p3225 N91-27829 #
CMU/SEI-CM-9-1-2 ..... 19 p3227 N91-27841 #
CMU/SEI-CM-10-1-0 ..... 19 p3228 N91-27842 #
CMU/SEI-CM-13-1-1 ..... 19 p3227 N91-27839 #
CMU/SEI-CM-14-2-1 ..... 19 p3228 N91-27844 #
CMU/SEI-CM-16-1-1 ..... 19 p3226 N91-27830 #
CMU/SEI-CM-17-1-1 ..... 19 p3219 N91-27795 #
CMU/SEI-CM-20-1-0 ..... 19 p3221 N91-27805 #
CMU/SEI-CM-22-1-0 ..... 19 p3220 N91-27797 #
CMU/SEI-CM-26 ..... 19 p3219 N91-27796 #

CMU/SEI-SM-3-1-0 ..... 19 p3228 N91-27843 #
CMU/SEI-SM-8-1-0 ..... 20 p3383 N91-28742 #
CMU/SEI-SM-17-1-0 ..... 19 p3225 N91-27824 #

CMU/SEI-88-TR-16 ..... 08 p1202 N91-16610 #
CMU/SEI-89-EM-1 ..... 19 p3222 N91-27809 #
CMU/SEI-89-EM-2 ..... 19 p3221 N91-27807 #
CMU/SEI-89-TR-3 ..... 06 p0862 N91-14762 #
CMU/SEI-89-TR-25 ..... 06 p0859 N91-14745 #
CMU/SEI-90-EM-3 ..... 07 p1052 N91-15775 #
CMU/SEI-90-SR-6 ..... 06 p0859 N91-14744 #
CMU/SEI-90-SR-10 ..... 08 p1198 N91-16585 #
CMU/SEI-90-SR-13 ..... 19 p3222 N91-27808 #
CMU/SEI-90-TR-6 ..... 08 p1198 N91-16584 #
CMU/SEI-90-TR-7 ..... 08 p1198 N91-16587 #
CMU/SEI-90-TR-8 ..... 19 p3221 N91-27802 #
CMU/SEI-90-TR-11 ..... 19 p3221 N91-27803 #
CMU/SEI-90-TR-12 ..... 06 p0859 N91-14743 #
CMU/SEI-90-TR-14 ..... 19 p3219 N91-27793 #
CMU/SEI-90-TR-15 ..... 19 p3223 N91-27813 #
CMU/SEI-90-TR-17 ..... 06 p0859 N91-14742 #
CMU/SEI-90-TR-18 ..... 19 p3220 N91-27799 #
CMU/SEI-90-TR-19 ..... 06 p0860 N91-14748 #
CMU/SEI-90-TR-20 ..... 19 p3220 N91-27801 #
CMU/SEI-90-TR-21 ..... 19 p3223 N91-27815 #
CMU/SEI-90-TR-22 ..... 20 p3384 N91-28748 #
CMU/SEI-90-TR-23 ..... 19 p3218 N91-27788 #
CMU/SEI-90-TR-24 ..... 19 p3223 N91-27814 #
CMU/SEI-90-TR-25 ..... 19 p3219 N91-27792 #
CMU/SEI-90-TR-26 ..... 19 p3222 N91-27811 #
CMU/SEI-90-TR-32 ..... 19 p3221 N91-27806 #
CMU/SEI-90-UG-1 ..... 19 p3220 N91-27800 #
CMU/SEI-91-TR-4 ..... 19 p3222 N91-27810 #
CMU/SEI-91-TR-6 ..... 19 p3219 N91-27794 #
CMU/SEI-91-TR-7 ..... 19 p3222 N91-27812 #

CNEA-NT-1/90 ..... 17 p2847 N91-25740 #

CNES-CT/DRT/TIT/AN-88/234 ..... 02 p0203 N91-11136 #

CNES-CT/DRT/TIT/IO-88/126 ..... 02 p0239 N91-11334 #

CNES-CT/DRT/TIT/OE-88/037-T ..... 01 p0038 N91-10227 #
CNES-CT/DRT/TIT/OE-88/144 ..... 02 p0271 N91-11521 #

CNES-CT/DRT/TIT/RL-88/226 ..... 01 p0063 N91-10380 #

CNES-CT/DRT/TIT/TF-88/354 ..... 01 p0018 N91-10110 #

CNES-CT/DRT/TIT/TR-88/24-T ..... 01 p0035 N91-10206 #
CNES-CT/DRT/TIT/TR-88/060 ..... 01 p0117 N91-10691 #
CNES-CT/DRT/TIT/TR-88/355 ..... 01 p0035 N91-10207 #

CNES-CT/DTI/MS/CM/290 ..... 23 p3801 N91-31202 #

CNES-DRT/TIT/TF-88/338-T ..... 01 p0048 N91-10284 #

CNES-NT-123 ..... 12 p1959 N91-20778 #
CNES-NT-126 ..... 23 p3801 N91-31202 #
CNES-NT-127 ..... 23 p3852 N91-31474 #
CNES-NT-128 ..... 23 p3800 N91-31195 #

CNIC-00234 ..... 02 p0275 N91-11544 #
CNIC-00249 ..... 09 p1317 N91-17231 #
CNIC-00257 ..... 01 p0135 N91-10801 #
CNIC-00283 ..... 03 p0421 N91-12354 #
CNIC-00292 ..... 03 p0374 N91-12096 #

CONF-881204 ..... 13 p2128 N91-21715 #
CONF-890197-13 ..... 09 p1338 N91-17347 #
CONF-890310-6 ..... 04 p0535 N91-12967 #
CONF-890310-7 ..... 02 p0221 N91-11234 #
CONF-890415-14 ..... 06 p0862 N91-14763 #
CONF-890525 ..... 01 p0067 N91-10407 #
CONF-890738-4 ..... 09 p1395 N91-17673 #
CONF-890754-2 ..... 02 p0194 N91-11083 #
CONF-890770-9 ..... 08 p1158 N91-16377 #
CONF-890770-10 ..... 08 p1105 N91-16066 #
CONF-890802-27 ..... 08 p1231 N91-16784 #
CONF-890802-28 ..... 08 p1148 N91-16322 #
CONF-890814-10 ..... 08 p1171 N91-16448 #
CONF-890836-24 ..... 08 p1131 N91-16224 #
CONF-890836-25 ..... 08 p1118 N91-16142 #
CONF-890855-60 ..... 08 p1161 N91-16395 #
CONF-890870-2 ..... 05 p0716 N91-13994 #
CONF-890928-24 ..... 08 p1108 N91-16087 #
CONF-891007-119 ..... 09 p1399 N91-17704 #
CONF-891007-120 ..... 08 p1227 N91-16766 #
CONF-891024-8 ..... 02 p0191 N91-11071 #
CONF-891024-9 ..... 02 p0191 N91-11070 #
CONF-891031-11 ..... 08 p1175 N91-16469 #
CONF-891103-77 ..... 05 p0673 N91-13744 #
CONF-891103-78 ..... 05 p0714 N91-13986 #
CONF-891119-132 ..... 08 p1232 N91-16792 #
CONF-891119-136 ..... 01 p0129 N91-10765 #
CONF-891119-137 ..... 01 p0132 N91-10778 #
CONF-891119-138 ..... 01 p0030 N91-10180 #
CONF-891119-139 ..... 01 p0030 N91-10179 #
CONF-891119-140 ..... 02 p0281 N91-11580 #
CONF-891119-143 ..... 10 p1505 N91-18282 #
CONF-891119-144 ..... 10 p1505 N91-18281 #
CONF-891153-2 ..... 21 p3594 N91-29991 #
CONF-891159-5 ..... 05 p0702 N91-13909 #
CONF-891163-4 ..... 08 p1153 N91-16351 #
CONF-891204-33 ..... 08 p1114 N91-16118 #
CONF-891204-36 ..... 09 p1311 N91-17197 #
CONF-891206-12 ..... 08 p1220 N91-16720 #
CONF-891208-31 ..... 08 p1137 N91-16260 #
CONF-891273-4 ..... 08 p1196 N91-16573 #
CONF-891290-2 ..... 10 p1562 N91-18594 #
CONF-900102-5 ..... 08 p1157 N91-16373 #
CONF-900102-6 ..... 09 p1348 N91-17404 #
CONF-900109-26 ..... 07 p0965 N91-15302 #
CONF-900121-6 ..... 08 p1171 N91-16447 #
CONF-900133-3 ..... 02 p0279 N91-11571 #
CONF-900135-4 ..... 09 p1390 N91-17645 #
CONF-900140-21 ..... 08 p1151 N91-16340 #
CONF-900140-22 ..... 08 p1219 N91-16714 #
CONF-900140-23 ..... 08 p1151 N91-16342 #
CONF-900140-27 ..... 08 p1228 N91-16769 #
CONF-900163-8 ..... 08 p1206 N91-16632 #
CONF-900163-9 ..... 08 p1152 N91-16348 #
CONF-900169-2 ..... 09 p1399 N91-17703 #
CONF-900189-1 ..... 08 p1152 N91-16343 #
CONF-900206-12 ..... 06 p0802 N91-14427 #
CONF-900214-4 ..... 20 p3440 N91-29090 #
CONF-900237-2 ..... 07 p1068 N91-15876 #
CONF-900254-3 ..... 10 p1505 N91-18286 #
CONF-900255-2 ..... 08 p1180 N91-16497 #
CONF-900264-6 ..... 08 p1152 N91-16346 #
CONF-900264-8 ..... 03 p0370 N91-12076 #
CONF-900280-VOL-1 ..... 23 p3859 N91-31520 #
CONF-900280-VOL-2 ..... 23 p3860 N91-31521 #
CONF-900285-4 ..... 08 p1109 N91-16088 #
CONF-900285-5 ..... 08 p1243 N91-16850 #
CONF-900285-11 ..... 07 p1081 N91-15949 #
CONF-900285-12 ..... 07 p1081 N91-15948 #
CONF-900302-2 ..... 08 p1234 N91-16801 #
CONF-900315-3 ..... 08 p1169 N91-16436 #
CONF-900331-2 ..... 08 p1222 N91-16733 #
CONF-900331-3 ..... 08 p1225 N91-16747 #
CONF-900343-7 ..... 05 p0705 N91-13932 #
CONF-900348-2 ..... 08 p1147 N91-16316 #
CONF-900348-5 ..... 08 p1232 N91-16790 #
CONF-900348-13 ..... 01 p0047 N91-10281 #
CONF-900348-21 ..... 11 p1797 N91-19863 #
CONF-900355-1 ..... 06 p0844 N91-14663 #
CONF-900367-2 ..... 01 p0142 N91-10836 #
CONF-900368-11 ..... 06 p0873 N91-14828 #
CONF-900388-5 ..... 24 p4100 N91-32910 #
CONF-900397-ABSTS ..... 23 p3855 N91-31491 #
CONF-900397-3 ..... 09 p1325 N91-17276 #
CONF-900402-13 ..... 15 p2459 N91-23626 #
CONF-900402-14 ..... 20 p3329 N91-28433 #
CONF-900419-4 ..... 08 p1117 N91-16137 #
CONF-900424-1 ..... 08 p1231 N91-16788 #
CONF-900432-2 ..... 13 p2161 N91-21916 #
CONF-900435-1 ..... 08 p1181 N91-16499 #
CONF-900442-4 ..... 01 p0029 N91-10173 #
CONF-900449-11 ..... 17 p2808 N91-25526 #
CONF-900450-3 ..... 08 p1233 N91-16798 #
CONF-900450-10 ..... 01 p0038 N91-10224 #
CONF-900450-12 ..... 06 p0872 N91-14818 #
CONF-900450-13 ..... 11 p1795 N91-19847 #
CONF-900451-3 ..... 08 p1234 N91-16800 #
CONF-900455-1 ..... 08 p1219 N91-16713 #
CONF-900466-15 ..... 08 p1220 N91-16719 #
CONF-900466-31 ..... 08 p1152 N91-16344 #
CONF-900466-38 ..... 08 p1232 N91-16791 #
CONF-900466-40 ..... 08 p1232 N91-16794 #
CONF-900466-41 ..... 08 p1132 N91-16228 #
CONF-900466-42 ..... 08 p1232 N91-16793 #

CONF-900466-47 ..... 01 p0026 N91-10158 #
CONF-900466-53 ..... 21 p3590 N91-29969 #
CONF-900466-79 ..... 01 p0026 N91-10156 #
CONF-900466-82 ..... 01 p0028 N91-10166 #
CONF-900466-85 ..... 02 p0197 N91-11104 #
CONF-900466-86 ..... 02 p0195 N91-11089 #
CONF-900466-89 ..... 02 p0199 N91-11115 #
CONF-900466-90 ..... 04 p0505 N91-12804 #
CONF-900466-91 ..... 05 p0660 N91-13670 #
CONF-900466-92 ..... 06 p0808 N91-14459 #
CONF-900466-93 ..... 09 p1303 N91-17150 #
CONF-900466-94 ..... 10 p1494 N91-18225 #
CONF-900466-95 ..... 10 p1503 N91-18272 #
CONF-900466-96 ..... 10 p1504 N91-18278 #
CONF-900466-97 ..... 09 p1407 N91-17743 #
CONF-900466-98 ..... 09 p1315 N91-17219 #
CONF-900466-99 ..... 10 p1501 N91-18262 #
CONF-900466-101 ..... 24 p3978 N91-32220 #
CONF-900486-1 ..... 08 p1117 N91-16139 #
CONF-900489-2 ..... 01 p0128 N91-10760 #
CONF-900489-3 ..... 02 p0269 N91-11506 #
CONF-900491-4 ..... 08 p1108 N91-16084 #
CONF-900491-5 ..... 08 p1189 N91-16538 #
CONF-900495-2 ..... 01 p0101 N91-10592 #
CONF-900495-3-VUGRAPHS ..... 09 p1398 N91-17694 #
CONF-900505-3 ..... 09 p1400 N91-17707 #
CONF-900505-4 ..... 08 p1118 N91-16144 #
CONF-900505-9 ..... 11 p1800 N91-19881 #
CONF-900505-10 ..... 05 p0722 N91-14028 #
CONF-900513-3 ..... 09 p1319 N91-17241 #
CONF-900519-1 ..... 09 p1400 N91-17706 #
CONF-900520-1 ..... 05 p0688 N91-13826 #
CONF-900520-1 ..... 05 p0719 N91-14013 #
CONF-900520-2 ..... 09 p1407 N91-17742 #
CONF-900520-3 ..... 09 p1407 N91-17741 #
CONF-900520-4 ..... 23 p3817 N91-31292 #
CONF-900520-5 ..... 23 p3817 N91-31293 #
CONF-900520-6 ..... 23 p3809 N91-31248 #
CONF-900527-2 ..... 09 p1409 N91-17751 #
CONF-900527-3 ..... 24 p4108 N91-32958 #
CONF-900527-4 ..... 03 p0421 N91-12355 #
CONF-900528-3 ..... 02 p0281 N91-11582 #
CONF-900530-9 ..... 21 p3580 N91-29914
CONF-900530-10 ..... 10 p1530 N91-18425 #
CONF-900542-4 ..... 08 p1233 N91-16795 #
CONF-900542-11 ..... 06 p0842 N91-14651 #
CONF-900542-12 ..... 06 p0842 N91-14652 #
CONF-900546 ..... 04 p0505 N91-12805 #
CONF-900546-2 ..... 08 p1118 N91-16141 #
CONF-900546-5 ..... 08 p1118 N91-16143 #
CONF-900546-7 ..... 23 p3817 N91-31291 #
CONF-900546-8 ..... 22 p3649 N91-30310 #
CONF-900546-13 ..... 01 p0024 N91-10143 #
CONF-900547-1 ..... 09 p1315 N91-17218 #
CONF-900556-2 ..... 20 p3379 N91-28719 #
CONF-900557-2 ..... 08 p1225 N91-16750 #
CONF-900557-5 ..... 08 p1228 N91-16771 #
CONF-900557-8 ..... 08 p1229 N91-16773 #
CONF-900557-9 ..... 08 p1149 N91-16325 #
CONF-900557-14 ..... 04 p0585 N91-13264 #
CONF-900557-23 ..... 05 p0721 N91-14023 #
CONF-900557-24 ..... 05 p0721 N91-14024 #
CONF-900557-25 ..... 05 p0721 N91-14025 #
CONF-900557-26 ..... 05 p0720 N91-14021 #
CONF-900557-28 ..... 09 p1401 N91-17710 #
CONF-900557-29 ..... 05 p0667 N91-13705 #
CONF-900557-31 ..... 05 p0667 N91-13706 #
CONF-900557-32 ..... 05 p0721 N91-14022 #
CONF-900559-14 ..... 08 p1197 N91-16576 #
CONF-900562-8 ..... 02 p0278 N91-11566 #
CONF-900563-6 ..... 08 p1148 N91-16321 #
CONF-900563-18 ..... 11 p1707 N91-19399 #
CONF-900577-1 ..... 14 p2330 N91-22871 #
CONF-900577-2 ..... 02 p0279 N91-11570 #
CONF-900577-3 ..... 02 p0280 N91-11577 #
CONF-900582-1 ..... 09 p1394 N91-17672 #
CONF-900591 ..... 02 p0231 N91-11288 #
CONF-900591-2 ..... 08 p1109 N91-16090 #
CONF-900593-2 ..... 18 p2958 N91-26326 #
CONF-900601-24 ..... 10 p1625 N91-18964 #
CONF-900602-7 ..... 08 p1225 N91-16749 #
CONF-900602-13 ..... 08 p1229 N91-16774 #
CONF-900603-1 ..... 08 p1228 N91-16772 #
CONF-900603-5 ..... 22 p3753 N91-30920 #
CONF-900603-32 ..... 02 p0269 N91-11511 #
CONF-900603-45 ..... 06 p0873 N91-14827 #
CONF-900603-46 ..... 06 p0821 N91-14534 #
CONF-900603-58 ..... 11 p1709 N91-19414 #
CONF-900603-61 ..... 14 p2270 N91-22558 #
CONF-900607-1 ..... 04 p0533 N91-12960 #
CONF-900607-6 ..... 01 p0049 N91-10295 #
CONF-900608-ABSTS ..... 04 p0585 N91-13267 #
CONF-900608-17 ..... 08 p1101 N91-16044 #
CONF-900608-20 ..... 09 p1344 N91-17384 #
CONF-900608-51 ..... 05 p0708 N91-13946 #
CONF-900610-2 ..... 15 p2444 N91-23539* #
CONF-900617-11 ..... 08 p1113 N91-16115 #
CONF-900617-15 ..... 08 p1162 N91-16398 #
CONF-900617-18 ..... 05 p0679 N91-13774 #
CONF-900619-7 ..... 01 p0017 N91-10104 #
CONF-900623-12 ..... 01 p0027 N91-10160 #
CONF-900623-19 ..... 02 p0197 N91-11105 #
CONF-900623-22 ..... 07 p0980 N91-15379 #
CONF-900623-23 ..... 09 p1312 N91-17204 #
CONF-900623-24 ..... 10 p1497 N91-18242 #
CONF-900623-25 ..... 11 p1682 N91-19270 #
CONF-900623-26 ..... 21 p3479 N91-29295 #
CONF-900629-2 ..... 10 p1538 N91-18463 #
CONF-900632-1 ..... 01 p0028 N91-10167 #
CONF-900632-2 ..... 07 p1073 N91-15904 #
CONF-900655-1 ..... 07 p0970 N91-15324 #
CONF-900656-1 ..... 08 p1109 N91-16091 #
CONF-900679-7 ..... 01 p0098 N91-10573 #
CONF-900685-1 ..... 10 p1589 N91-18763 #
CONF-900688-1 ..... 11 p1808 N91-19929 #
CONF-900704-1 ..... 09 p1305 N91-17161 #
CONF-900704-2 ..... 09 p1305 N91-17162 #
CONF-900704-4 ..... 08 p1107 N91-16080 #
CONF-900704-5 ..... 09 p1305 N91-17163 #
CONF-900704-6 ..... 08 p1117 N91-16138 #
CONF-900704-7 ..... 08 p1107 N91-16081 #
CONF-900704-8 ..... 08 p1108 N91-16082 #
CONF-900705-2 ..... 08 p1123 N91-16174 #
CONF-900705-3 ..... 08 p1172 N91-16453 #
CONF-900705-4 ..... 21 p3492 N91-29380 #
CONF-900708-1 ..... 02 p0194 N91-11086 #
CONF-900712-1 ..... 08 p1121 N91-16159 #
CONF-900712-2 ..... 08 p1121 N91-16158 #
CONF-900712-3 ..... 08 p1121 N91-16162 #
CONF-900716-1 ..... 02 p0268 N91-11499 #
CONF-900720-1 ..... 22 p3623 N91-30157 #
CONF-900722-1 ..... 13 p2052 N91-21291 #
CONF-900723-3 ..... 08 p1130 N91-16218 #
CONF-900723-5 ..... 08 p1161 N91-16394 #
CONF-900723-6 ..... 08 p1131 N91-16219 #
CONF-900723-7 ..... 08 p1220 N91-16718 #
CONF-900723-10 ..... 09 p1409 N91-17752 #
CONF-900723-11 ..... 08 p1131 N91-16220 #
CONF-900724-6 ..... 08 p1172 N91-16452 #
CONF-900726-3 ..... 04 p0582 N91-13247 #
CONF-900726-5 ..... 07 p0995 N91-15459 #
CONF-900726-8 ..... 20 p3400 N91-28842 #
CONF-900729-1 ..... 08 p1156 N91-16368 #
CONF-900729-2 ..... 08 p1156 N91-16369 #
CONF-900731-2 ..... 02 p0219 N91-11224 #
CONF-900731-3 ..... 07 p0975 N91-15352 #
CONF-900731-4 ..... 11 p1689 N91-19310 #
CONF-900733-1 ..... 10 p1562 N91-18594 #
CONF-900742-1 ..... 08 p1123 N91-16175 #
CONF-900749-1 ..... 15 p2511 N91-23911 #
CONF-900751-3 ..... 01 p0130 N91-10768 #
CONF-900756-1 ..... 08 p1196 N91-16574 #
CONF-900756-4 ..... 08 p1197 N91-16579 #
CONF-900756-26 ..... 01 p0015 N91-10096 #
CONF-900756-35 ..... 01 p0129 N91-10766 #
CONF-900756-37 ..... 01 p0045 N91-10267 #
CONF-900756-38 ..... 01 p0121 N91-10718 #
CONF-900756-40 ..... 02 p0193 N91-11082 #
CONF-900756-41 ..... 02 p0265 N91-11486 #
CONF-900756-43 ..... 03 p0370 N91-12073 #
CONF-900756-44 ..... 02 p0271 N91-11523 #
CONF-900756-50 ..... 04 p0511 N91-12841 #
CONF-900756-51 ..... 04 p0583 N91-13253 #
CONF-900756-52 ..... 06 p0873 N91-14826 #
CONF-900756-55 ..... 09 p1339 N91-17356 #
CONF-900756-57 ..... 11 p1707 N91-19400 #
CONF-900756-58 ..... 12 p2000 N91-21010 #
CONF-900756-60 ..... 15 p2508 N91-23894 #
CONF-900757-5 ..... 02 p0271 N91-11520 #
CONF-900757-8 ..... 14 p2327 N91-22858 #
CONF-900762-1 ..... 06 p0847 N91-14678 #
CONF-900765-2 ..... 20 p3387 N91-28765 #
CONF-900773-1 ..... 09 p1325 N91-17275 #
CONF-900774-1 ..... 08 p1113 N91-16116 #
CONF-900775-1 ..... 08 p1172 N91-16451 #
CONF-900780-1 ..... 09 p1375 N91-17556 #
CONF-900780-2 ..... 09 p1344 N91-17383 #
CONF-900780-3 ..... 08 p1158 N91-16378 #
CONF-900780-5 ..... 08 p1158 N91-16379* #
CONF-900780-6 ..... 21 p3526 N91-29585 #
CONF-900785-1 ..... 07 p1033 N91-15667 #
CONF-900789-1 ..... 08 p1113 N91-16117 #
CONF-900791-2 ..... 02 p0193 N91-11081 #
CONF-900791-3 ..... 05 p0673 N91-13743 #
CONF-900791-7 ..... 05 p0711 N91-13970 #
CONF-900791-8 ..... 07 p1013 N91-15564 #
CONF-900792-1 ..... 08 p1131 N91-16221 #
CONF-900792-3 ..... 08 p1121 N91-16160 #
CONF-900792-4 ..... 08 p1138 N91-16264 #
CONF-900792-5 ..... 08 p1121 N91-16161 #
CONF-900792-6 ..... 09 p1319 N91-17245 #
CONF-900793-1 ..... 08 p1208 N91-16641 #

CONF-900793-4 ..... 01 p0109 N91-10631 #
CONF-900795-1 ..... 08 p1157 N91-16372 #
CONF-900796-1 ..... 08 p1173 N91-16457 #
CONF-900796-2 ..... 08 p1173 N91-16458 #
CONF-900799 ..... 18 p3061 N91-26907 #
CONF-900799-1 ..... 08 p1221 N91-16726 #
CONF-900801-30 ..... 02 p0233 N91-11300 #
CONF-900801-31 ..... 02 p0265 N91-11487 #
CONF-900801-33 ..... 02 p0274 N91-11538 #
CONF-900801-34 ..... 04 p0479 N91-12671 #
CONF-900801-38 ..... 07 p1026 N91-15633 #
CONF-900802-5 ..... 01 p0130 N91-10771 #
CONF-900802-7 ..... 02 p0280 N91-11575 #
CONF-900802-12 ..... 07 p0985 N91-15407 #
CONF-900802-15 ..... 09 p1415 N91-17787 #
CONF-900802-20 ..... 21 p3485 N91-29333 #
CONF-900806-10 ..... 04 p0591 N91-13304 #
CONF-900807-1 ..... 02 p0275 N91-11545 #
CONF-900813-1 ..... 02 p0278 N91-11565 #
CONF-900813-2 ..... 21 p3591 N91-29973 #
CONF-900814-8 ..... 01 p0129 N91-10762 #
CONF-900814-19 ..... 24 p4096 N91-32886 #
CONF-900817-3 ..... 09 p1414 N91-17784 #
CONF-900818-3 ..... 01 p0027 N91-10161 #
CONF-900818-4 ..... 01 p0027 N91-10162 #
CONF-900818-6 ..... 03 p0424 N91-12373 #
CONF-900818-7 ..... 07 p0976 N91-15355 #
CONF-900822-15 ..... 06 p0871 N91-14815 #
CONF-900822-22 ..... 09 p1398 N91-17692 #
CONF-900822-24 ..... 09 p1428 N91-17860* #
CONF-900823-13 ..... 20 p3371 N91-28677 #
CONF-900830-1 ..... 01 p0131 N91-10772 #
CONF-900830-2 ..... 02 p0281 N91-11578 #
CONF-900833-16 ..... 24 p4042 N91-32586 #
CONF-900834-1 ..... 11 p1799 N91-19873 #
CONF-900854-1 ..... 02 p0198 N91-11110 #
CONF-900856-1 ..... 02 p0278 N91-11562 #
CONF-900857-2 ..... 06 p0870 N91-14811 #
CONF-900862-2 ..... 21 p3550 N91-29723 #
CONF-900866-1 ..... 10 p1604 N91-18850 #
CONF-900866-2 ..... 13 p2056 N91-21315 #
CONF-900870-3 ..... 01 p0130 N91-10769 #
CONF-900870-4 ..... 01 p0022 N91-10132 #
CONF-900870-5 ..... 07 p1068 N91-15878 #
CONF-900870-6 ..... 11 p1809 N91-19936 #
CONF-900870-8 ..... 11 p1677 N91-19243 #
CONF-900870-10 ..... 13 p2161 N91-21914 #
CONF-900874-4 ..... 03 p0401 N91-12233 #
CONF-900877-5 ..... 12 p1985 N91-20923 #
CONF-900877-6 ..... 03 p0369 N91-12065 #
CONF-900877-9 ..... 05 p0713 N91-13980 #
CONF-900882-1 ..... 10 p1496 N91-18236 #
CONF-900903-1 ..... 03 p0424 N91-12372 #
CONF-900910-1 ..... 10 p1605 N91-18858 #
CONF-900910-2 ..... 09 p1417 N91-17802 #
CONF-900910-3 ..... 09 p1417 N91-17803 #
CONF-900912-2 ..... 02 p0268 N91-11500 #
CONF-900914-1 ..... 02 p0279 N91-11567 #
CONF-900917-12-REV-1 ..... 09 p1398 N91-17693 #
CONF-900917-24 ..... 05 p0714 N91-13987 #
CONF-900918-1 ..... 01 p0125 N91-10737 #
CONF-900918-3 ..... 01 p0047 N91-10282 #
CONF-900918-4 ..... 01 p0126 N91-10742 #
CONF-900918-6 ..... 02 p0275 N91-11547 #
CONF-900918-9 ..... 04 p0584 N91-13260 #
CONF-900918-13 ..... 06 p0877 N91-14847 #
CONF-900918-14 ..... 06 p0876 N91-14846 #
CONF-900923-3 ..... 05 p0713 N91-13981 #
CONF-900923-6 ..... 07 p1072 N91-15897 #
CONF-900923-7 ..... 10 p1592 N91-18776 #
CONF-900923-9 ..... 11 p1797 N91-19861 #
CONF-900924-11 ..... 10 p1529 N91-18419 #
CONF-900926-1 ..... 04 p0581 N91-13237 #
CONF-900926-2 ..... 03 p0370 N91-12075 #
CONF-900926-3 ..... 08 p1110 N91-16096 #
CONF-900936-1 ..... 01 p0129 N91-10761 #
CONF-900936-4 ..... 02 p0279 N91-11568 #
CONF-900936-5 ..... 02 p0279 N91-11569 #
CONF-900936-6 ..... 02 p0197 N91-11103 #
CONF-900936-7 ..... 02 p0198 N91-11111 #
CONF-900936-8 ..... 02 p0282 N91-11584 #
CONF-900936-9 ..... 08 p1235 N91-16806 #
CONF-900936-10 ..... 07 p1070 N91-15888 #
CONF-900936-11 ..... 05 p0713 N91-13977 #
CONF-900936-14 ..... 06 p0882 N91-14877 #
CONF-900936-15 ..... 06 p0809 N91-14469 #
CONF-900936-17 ..... 05 p0727 N91-14061 #
CONF-900936-18 ..... 06 p0808 N91-14461 #
CONF-900936-19 ..... 06 p0880 N91-14860 #
CONF-900936-20 ..... 08 p1235 N91-16810 #
CONF-900936-21 ..... 06 p0884 N91-14884 #
CONF-900936-22 ..... 06 p0810 N91-14472 #
CONF-900936-23 ..... 09 p1317 N91-17232 #
CONF-900936-25 ..... 09 p1315 N91-17217 #
CONF-900936-26 ..... 10 p1606 N91-18865* #
CONF-900936-28 ..... 18 p3072 N91-26974 #
CONF-900944-1 ..... 04 p0590 N91-13295 #
CONF-900944-2 ..... 02 p0281 N91-11579 #
CONF-900944-4 ..... 04 p0590 N91-13298 #
CONF-900944-7 ..... 08 p1229 N91-16775 #
CONF-900944-10 ..... 08 p1234 N91-16803 #
CONF-900944-11 ..... 08 p1234 N91-16804 #
CONF-900944-13 ..... 06 p0879 N91-14852 #
CONF-900944-15 ..... 06 p0879 N91-14856 #
CONF-900944-23 ..... 09 p1339 N91-17355 #
CONF-900944-24 ..... 09 p1411 N91-17767 #
CONF-900944-25 ..... 10 p1526 N91-18404 #
CONF-900944-26 ..... 08 p1213 N91-16674 #
CONF-900944-28 ..... 10 p1594 N91-18794 #
CONF-900944-29 ..... 09 p1418 N91-17806 #
CONF-900944-30 ..... 10 p1605 N91-18857 #
CONF-900944-31 ..... 09 p1417 N91-17800 #
CONF-900944-32 ..... 09 p1418 N91-17808 #
CONF-900944-33 ..... 10 p1608 N91-18871 #
CONF-900944-34 ..... 09 p1417 N91-17801 #
CONF-900944-36 ..... 09 p1418 N91-17807 #
CONF-900944-37 ..... 10 p1607 N91-18867 #
CONF-900944-38 ..... 10 p1607 N91-18868 #
CONF-900944-41 ..... 10 p1610 N91-18886 #
CONF-900944-42 ..... 18 p3073 N91-26981 #
CONF-900944-43 ..... 18 p3071 N91-26973 #
CONF-900944-44 ..... 18 p2981 N91-26464 #
CONF-900944-45 ..... 20 p3424 N91-28994 #
CONF-900944-46 ..... 20 p3429 N91-29021 #
CONF-900944-47 ..... 20 p3425 N91-28998 #
CONF-900944-48 ..... 20 p3427 N91-29007 #
CONF-900953-1 ..... 01 p0046 N91-10276 #
CONF-900960-1 ..... 05 p0686 N91-13815 #
CONF-900964-2 ..... 02 p0194 N91-11084 #
CONF-900970-3 ..... 02 p0264 N91-11479 #
CONF-900971-1 ..... 05 p0632 N91-13499 #
CONF-900975-1 ..... 02 p0196 N91-11100 #
CONF-900989-1 ..... 02 p0230 N91-11287 #
CONF-900989-2 ..... 06 p0841 N91-14648 #
CONF-900990-2 ..... 09 p1418 N91-17804 #
CONF-900993-1 ..... 10 p1559 N91-18572 #
CONF-900993-2 ..... 11 p1765 N91-19712 #
CONF-901004-1 ..... 01 p0130 N91-10770 #
CONF-901004-2 ..... 01 p0131 N91-10773 #
CONF-901004-4 ..... 01 p0131 N91-10774 #
CONF-901004-5 ..... 08 p1109 N91-16093 #
CONF-901004-6 ..... 04 p0591 N91-13300 #
CONF-901007-6 ..... 05 p0717 N91-14004 #
CONF-901007-6 ..... 12 p1984 N91-20916 #
CONF-901007-9 ..... 04 p0585 N91-13268 #
CONF-901007-9-REV-1 ..... 09 p1406 N91-17736 #
CONF-901007-19 ..... 06 p0876 N91-14845 #
CONF-901007-23 ..... 05 p0720 N91-14017 #
CONF-901007-24 ..... 05 p0720 N91-14018 #
CONF-901007-25 ..... 05 p0720 N91-14019 #
CONF-901007-45 ..... 09 p1316 N91-17225 #
CONF-901007-51 ..... 09 p1408 N91-17750 #
CONF-901007-58 ..... 10 p1603 N91-18845 #
CONF-901007-61 ..... 12 p1983 N91-20913 #
CONF-901007-62 ..... 12 p1871 N91-20283 #
CONF-901007-68 ..... 20 p3418 N91-28951 #
CONF-901008-1 ..... 02 p0217 N91-11213 #
CONF-901008-3 ..... 03 p0341 N91-11914 #
CONF-901008-4 ..... 08 p1114 N91-16122 #
CONF-901008-6 ..... 10 p1503 N91-18270 #
CONF-901008-7 ..... 07 p0981 N91-15382 #
CONF-901008-8 ..... 10 p1502 N91-18269 #
CONF-901008-9 ..... 10 p1499 N91-18253 #
CONF-901008-10 ..... 17 p2759 N91-25277 #
CONF-901008-11 ..... 18 p3000 N91-26570 #
CONF-901008-12 ..... 17 p2763 N91-25295 #
CONF-901009-1 ..... 01 p0029 N91-10171 #
CONF-901009-2 ..... 02 p0217 N91-11212 #
CONF-901017-1-REV-2 ..... 01 p0124 N91-10732 #
CONF-901025-2 ..... 01 p0125 N91-10740 #
CONF-901025-3 ..... 01 p0125 N91-10739 #
CONF-901025-7 ..... 02 p0273 N91-11535 #
CONF-901025-8 ..... 02 p0273 N91-11536 #
CONF-901025-9 ..... 04 p0584 N91-13261 #
CONF-901025-11 ..... 04 p0585 N91-13266 #
CONF-901025-15 ..... 05 p0666 N91-13699 #
CONF-901025-21 ..... 06 p0877 N91-14849 #
CONF-901025-32 ..... 13 p2156 N91-21884 #
CONF-901025-33 ..... 13 p2156 N91-21883 #
CONF-901025-34 ..... 13 p2156 N91-21885 #
CONF-901025-35 ..... 13 p2156 N91-21886 #
CONF-901025-36 ..... 13 p2156 N91-21882 #
CONF-901025-37 ..... 13 p2158 N91-21897 #
CONF-901025-38 ..... 09 p1407 N91-17744 #
CONF-901025-40 ..... 11 p1804 N91-19908 #
CONF-901025-41 ..... 13 p2157 N91-21888 #
CONF-901025-42 ..... 13 p2156 N91-21887 #
CONF-901025-43 ..... 12 p1985 N91-20920 #
CONF-901025-44 ..... 12 p1984 N91-20919 #
CONF-901025-46 ..... 12 p1984 N91-20918 #
CONF-901029-1 ..... 05 p0645 N91-13578 #
CONF-901029-2 ..... 05 p0645 N91-13582 #

CONF-901029-3 ..... 06 p0816 N91-14506 #
CONF-901035-1 ..... 02 p0199 N91-11114 #
CONF-901035-8 ..... 06 p0882 N91-14876 #
CONF-901035-9 ..... 06 p0876 N91-14844 #
CONF-901035-10 ..... 06 p0882 N91-14875 #
CONF-901035-12 ..... 06 p0883 N91-14879 #
CONF-901035-14 ..... 10 p1605 N91-18854 #
CONF-901035-15 ..... 10 p1499 N91-18249 #
CONF-901035-17 ..... 11 p1806 N91-19921 #
CONF-901035-19 ..... 23 p3933 N91-31982 #
CONF-901035-21 ..... 24 p3976 N91-32211 #
CONF-901038-1 ..... 11 p1714 N91-19440 #
CONF-901047-1 ..... 11 p1808 N91-19932 #
CONF-901047-2 ..... 15 p2515 N91-23941 #
CONF-901053-1 ..... 08 p1149 N91-16326 #
CONF-901057-4 ..... 05 p0767 N91-14258 #
CONF-901057-28 ..... 11 p1818 N91-19983 #
CONF-901057-30 ..... 24 p4122 N91-33038 #
CONF-901062-1 ..... 01 p0128 N91-10757 #
CONF-901071-6 ..... 02 p0217 N91-11214 #
CONF-901073-6 ..... 01 p0063 N91-10382 #
CONF-901073-7 ..... 02 p0198 N91-11109 #
CONF-901073-8 ..... 06 p0832 N91-14598 #
CONF-901073-10 ..... 07 p0979 N91-15371 #
CONF-901073-11 ..... 10 p1519 N91-18365 #
CONF-901073-12 ..... 10 p1609 N91-18883 #
CONF-901073-14 ..... 11 p1684 N91-19278 #
CONF-901073-15 ..... 11 p1688 N91-19302 #
CONF-901088-3 ..... 01 p0128 N91-10758 #
CONF-901089-2 ..... 01 p0135 N91-10803 #
CONF-901095-2 ..... 01 p0026 N91-10153 #
CONF-901095-3 ..... 01 p0026 N91-10154 #
CONF-901095-4 ..... 01 p0026 N91-10155 #
CONF-901099-1 ..... 01 p0048 N91-10289 #
CONF-901101-1 ..... 02 p0219 N91-11221 #
CONF-901101-4 ..... 02 p0262 N91-11465 #
CONF-901101-22 ..... 02 p0262 N91-11466 #
CONF-901101-24 ..... 02 p0254 N91-11408 #
CONF-901101-43 ..... 05 p0653 N91-13625 #
CONF-901101-46 ..... 06 p0814 N91-14498* #
CONF-901101-68 ..... 10 p1594 N91-18792 #
CONF-901101-78 ..... 10 p1611 N91-18890 #
CONF-901102-1 ..... 06 p0824 N91-14553 #
CONF-901104-1 ..... 02 p0191 N91-11069 #
CONF-901105-1 ..... 02 p0198 N91-11108 #
CONF-901105-2 ..... 01 p0133 N91-10783 #
CONF-901105-3 ..... 02 p0277 N91-11558 #
CONF-901105-4 ..... 02 p0277 N91-11559 #
CONF-901105-6 ..... 02 p0280 N91-11573 #
CONF-901105-7 ..... 02 p0278 N91-11563 #
CONF-901105-8 ..... 02 p0277 N91-11560 #
CONF-901105-9 ..... 02 p0278 N91-11561 #
CONF-901105-11 ..... 02 p0280 N91-11576 #
CONF-901105-12 ..... 04 p0590 N91-13297 #
CONF-901105-14 ..... 04 p0591 N91-13301 #
CONF-901105-15 ..... 08 p1235 N91-16805 #
CONF-901105-18 ..... 05 p0666 N91-13700 #
CONF-901105-20 ..... 07 p0985 N91-15408 #
CONF-901105-21 ..... 07 p1065 N91-15855 #
CONF-901105-22 ..... 07 p0979 N91-15373 #
CONF-901105-25 ..... 06 p0813 N91-14493 #
CONF-901105-26 ..... 06 p0806 N91-14450 #
CONF-901105-28 ..... 09 p1413 N91-17779 #
CONF-901105-29 ..... 08 p1115 N91-16127 #
CONF-901105-30 ..... 08 p1236 N91-16811 #
CONF-901105-31 ..... 10 p1502 N91-18265 #
CONF-901105-32 ..... 09 p1399 N91-17700 #
CONF-901105-33 ..... 07 p0981 N91-15383 #
CONF-901105-35 ..... 07 p1074 N91-15909 #
CONF-901105-36 ..... 08 p1236 N91-16812 #
CONF-901105-38 ..... 08 p1236 N91-16814 #
CONF-901105-39 ..... 10 p1604 N91-18848 #
CONF-901105-40 ..... 10 p1596 N91-18805 #
CONF-901105-43 ..... 10 p1498 N91-18246 #
CONF-901105-45 ..... 09 p1316 N91-17222 #
CONF-901105-46 ..... 10 p1605 N91-18856 #
CONF-901105-47 ..... 10 p1604 N91-18851 #
CONF-901105-48 ..... 09 p1316 N91-17221 #
CONF-901105-49 ..... 10 p1504 N91-18277 #
CONF-901105-50 ..... 10 p1500 N91-18255 #
CONF-901105-51 ..... 09 p1313 N91-17205 #
CONF-901105-52 ..... 09 p1414 N91-17783 #
CONF-901105-53 ..... 09 p1343 N91-17374 #
CONF-901105-55 ..... 09 p1414 N91-17781 #
CONF-901105-57 ..... 09 p1414 N91-17785 #
CONF-901105-58 ..... 09 p1315 N91-17216 #
CONF-901105-59 ..... 10 p1606 N91-18863 #
CONF-901105-60 ..... 09 p1407 N91-17745 #
CONF-901105-62 ..... 09 p1319 N91-17242 #
CONF-901105-63 ..... 09 p1316 N91-17224 #
CONF-901105-68 ..... 09 p1416 N91-17797 #
CONF-901105-70 ..... 09 p1416 N91-17793 #
CONF-901105-71 ..... 09 p1415 N91-17792 #
CONF-901105-73 ..... 10 p1499 N91-18248 #
CONF-901105-74 ..... 10 p1493 N91-18220 #
CONF-901105-77 ..... 10 p1499 N91-18252 #
CONF-901105-78 ..... 10 p1607 N91-18869 #
CONF-901105-80 ..... 10 p1500 N91-18254 #
CONF-901105-81 ..... 10 p1608 N91-18872 #
CONF-901105-82 ..... 10 p1503 N91-18274 #
CONF-901105-83 ..... 10 p1608 N91-18876 #
CONF-901105-84 ..... 11 p1682 N91-19268 #
CONF-901105-85 ..... 11 p1686 N91-19291 #
CONF-901105-86 ..... 11 p1807 N91-19925 #
CONF-901105-87 ..... 11 p1807 N91-19924 #
CONF-901105-88 ..... 11 p1807 N91-19926 #
CONF-901105-89 ..... 11 p1806 N91-19919 #
CONF-901105-90 ..... 11 p1808 N91-19928 #
CONF-901105-91 ..... 10 p1610 N91-18885 #
CONF-901105-94 ..... 11 p1804 N91-19907 #
CONF-901105-95 ..... 11 p1809 N91-19937 #
CONF-901105-96 ..... 11 p1685 N91-19283 #
CONF-901105-97 ..... 13 p2099 N91-21554 #
CONF-901105-98 ..... 13 p2161 N91-21915 #
CONF-901105-99 ..... 12 p1992 N91-20965 #
CONF-901105-100 ..... 12 p1871 N91-20282 #
CONF-901105-101 ..... 12 p1992 N91-20964 #
CONF-901105-103 ..... 13 p2055 N91-21310 #
CONF-901105-104 ..... 13 p2054 N91-21304 #
CONF-901105-107 ..... 13 p2056 N91-21313 #
CONF-901105-111 ..... 17 p2870 N91-25878 #
CONF-901105-114 ..... 18 p2953 N91-26294 #
CONF-901105-115 ..... 18 p3072 N91-26978 #
CONF-901105-116 ..... 18 p3072 N91-26979 #
CONF-901105-117 ..... 16 p2602 N91-24419 #
CONF-901105-120 ..... 17 p2874 N91-25896 #
CONF-901105-123 ..... 18 p3073 N91-26985 #
CONF-901105-124 ..... 20 p3323 N91-28400 #
CONF-901105-127 ..... 20 p3432 N91-29038 #
CONF-901106-1 ..... 03 p0386 N91-12154 #
CONF-901106-2-EXTD-ABST ..... 05 p0682 N91-13794 #
CONF-901106-3 ..... 11 p1691 N91-19314 #
CONF-901107-1 ..... 21 p3479 N91-29294 #
CONF-901109-1 ..... 02 p0213 N91-11188 #
CONF-901109-2 ..... 02 p0231 N91-11289 #
CONF-901109-3 ..... 02 p0201 N91-11128 #
CONF-901109-4 ..... 01 p0132 N91-10782 #
CONF-901109-7 ..... 02 p0213 N91-11189 #
CONF-901109-8 ..... 02 p0213 N91-11190 #
CONF-901109-10 ..... 02 p0238 N91-11330 #
CONF-901109-10 ..... 02 p0254 N91-11410 #
CONF-901109-11 ..... 02 p0230 N91-11286 #
CONF-901109-13 ..... 02 p0219 N91-11222 #
CONF-901109-14 ..... 02 p0158 N91-10917 #
CONF-901109-16 ..... 02 p0206 N91-11153 #
CONF-901109-17 ..... 02 p0226 N91-11263 #
CONF-901109-18 ..... 02 p0212 N91-11185 #
CONF-901114-1 ..... 10 p1604 N91-18852 #
CONF-901116-4 ..... 02 p0283 N91-11590 #
CONF-901116-5 ..... 02 p0271 N91-11522 #
CONF-901116-6 ..... 04 p0581 N91-13240 #
CONF-901116-15 ..... 04 p0582 N91-13243 #
CONF-901116-22 ..... 05 p0635 N91-13520 #
CONF-901116-23 ..... 05 p0708 N91-13945 #
CONF-901116-33 ..... 10 p1591 N91-18775 #
CONF-901116-38 ..... 09 p1398 N91-17695 #
CONF-901117-2 ..... 07 p0987 N91-15419 #
CONF-901120-1 ..... 05 p0635 N91-13521 #
CONF-901121-1 ..... 02 p0254 N91-11414 #
CONF-901121-3 ..... 02 p0270 N91-11514 #
CONF-901121-6 ..... 02 p0257 N91-11431 #
CONF-901124-1 ..... 02 p0221 N91-11235 #
CONF-901124-2 ..... 02 p0206 N91-11154 #
CONF-901125-1 ..... 03 p0344 N91-11928 #
CONF-901125-2 ..... 04 p0498 N91-12763 #
CONF-901125-3 ..... 04 p0498 N91-12765 #
CONF-901125-4 ..... 07 p0970 N91-15326 #
CONF-901125-7 ..... 09 p1417 N91-17799 #
CONF-901125-8 ..... 09 p1416 N91-17796 #
CONF-901125-9 ..... 10 p1495 N91-18231 #
CONF-901125-10 ..... 11 p1810 N91-19942 #
CONF-901125-11 ..... 15 p2516 N91-23942 #
CONF-901125-12 ..... 19 p3136 N91-27325 #
CONF-901125-13 ..... 17 p2872 N91-25885 #
CONF-901125-15 ..... 17 p2872 N91-25888 #
CONF-901125-16 ..... 17 p2873 N91-25890 #
CONF-901125-17 ..... 17 p2874 N91-25895 #
CONF-901127-12 ..... 09 p1408 N91-17749 #
CONF-901141-1 ..... 11 p1818 N91-19985 #
CONF-901141-3 ..... 13 p2181 N91-22055 #
CONF-901141-5 ..... 20 p3434 N91-29054 #
CONF-901141-6 ..... 21 p3606 N91-30065 #
CONF-901144-1 ..... 10 p1530 N91-18428 #
CONF-901145-1 ..... 24 p4110 N91-32970 #
CONF-901150-1 ..... 02 p0258 N91-11434 #
CONF-901150-2 ..... 02 p0242 N91-11351 #
CONF-901150-2 ..... 17 p2808 N91-25525 #
CONF-901155-1 ..... 05 p0709 N91-13956 #
CONF-901155-3-REV-1 ..... 10 p1605 N91-18855 #
CONF-901155-5 ..... 11 p1726 N91-19507 #
CONF-901155-6 ..... 11 p1680 N91-19260 #
CONF-901155-7 ..... 18 p2952 N91-26291 #

CONF-901169-1 ..... 06 p0880 N91-14861 #
CONF-901169-2 ..... 08 p1134 N91-16240 #
CONF-901169-4 ..... 10 p1605 N91-18853 #
CONF-901169-6 ..... 09 p1418 N91-17805 #
CONF-901169-7 ..... 20 p3425 N91-28997 #
CONF-901177-1 ..... 02 p0200 N91-11123 #
CONF-901179-1 ..... 02 p0254 N91-11409 #
CONF-901184-1 ..... 18 p2967 N91-26383 #
CONF-901188-1 ..... 09 p1415 N91-17791 #
CONF-901188-3 ..... 24 p4098 N91-32898 #
CONF-901194-1 ..... 02 p0212 N91-11186 #
CONF-901194-3 ..... 03 p0421 N91-12356 #
CONF-901194-4 ..... 05 p0658 N91-13655 #
CONF-901194-6 ..... 05 p0683 N91-13799 #
CONF-901194-8 ..... 10 p1611 N91-18889 #
CONF-901194-9 ..... 11 p1727 N91-19508 #
CONF-901194-13 ..... 12 p1915 N91-20536 #
CONF-901194-14 ..... 13 p2105 N91-21586 #
CONF-901194-15 ..... 16 p2636 N91-24591 #
CONF-901195-1 ..... 07 p1071 N91-15895 #
CONF-901195-2 ..... 07 p1072 N91-15896 #
CONF-901202-1 ..... 13 p2148 N91-21835 #
CONF-901207-1 ..... 10 p1518 N91-18358 #
CONF-901207-2 ..... 10 p1518 N91-18359 #
CONF-901207-3 ..... 10 p1518 N91-18360 #
CONF-901209-1 ..... 07 p1056 N91-15803 #
CONF-901209-2 ..... 06 p0853 N91-14710 #
CONF-901209-5 ..... 06 p0867 N91-14791 #
CONF-901219-10 ..... 13 p2159 N91-21902 #
CONF-901219-14 ..... 18 p3067 N91-26947 #
CONF-901219-16 ..... 20 p3418 N91-28954 #
CONF-901221-1 ..... 07 p1053 N91-15780 #
CONF-901224-1 ..... 07 p1049 N91-15760 #
CONF-901229-1 ..... 07 p1004 N91-15514 #
CONF-901229-2 ..... 07 p1004 N91-15515 #
CONF-901235-1 ..... 07 p0998 N91-15479 #
CONF-901235-2 ..... 07 p0998 N91-15480 #
CONF-901240-1 ..... 11 p1735 N91-19542 #
CONF-901244-1 ..... 05 p0726 N91-14056 #
CONF-901244-2 ..... 07 p1072 N91-15902 #
CONF-901244-3 ..... 18 p2988 N91-26495 #
CONF-901246-2 ..... 04 p0573 N91-13185 #
CONF-901246-4 ..... 20 p3435 N91-29055 #
CONF-901248-1 ..... 11 p1699 N91-19357 #
CONF-901248-2 ..... 12 p1905 N91-20483 #
CONF-901259-2 ..... 11 p1737 N91-19553 #
CONF-901261-1 ..... 10 p1539 N91-18471 #
CONF-901262-1 ..... 10 p1542 N91-18486 #
CONF-901262-3 ..... 10 p1545 N91-18502 #
CONF-901263-1 ..... 09 p1343 N91-17378 #
CONF-901263-2 ..... 11 p1710 N91-19419 #
CONF-901263-3 ..... 10 p1530 N91-18429 #
CONF-901263-4 ..... 10 p1531 N91-18432 #
CONF-901263-5 ..... 10 p1531 N91-18431 #
CONF-901263-6 ..... 10 p1527 N91-18410 #
CONF-901263-7 ..... 11 p1712 N91-19433 #
CONF-901263-8 ..... 12 p1906 N91-20486 #
CONF-901263-9-VUGRAPHS ..... 21 p3525 N91-29580 #
CONF-901263-10 ..... 24 p3975 N91-32207 #
CONF-901267-1 ..... 10 p1606 N91-18861 #
CONF-901269-1 ..... 11 p1726 N91-19506 #
CONF-901273-3 ..... 15 p2404 N91-23313 #
CONF-901275-1 ..... 12 p2008 N91-21053 #
CONF-901278-1-VUGRAPHS ..... 11 p1712 N91-19431 #
CONF-901282-1 ..... 13 p2117 N91-21655 #
CONF-901285-4 ..... 21 p3490 N91-29369 #
CONF-901285-5 ..... 21 p3537 N91-29655 #
CONF-901291-2 ..... 20 p3402 N91-28854 #
CONF-901293-1 ..... 18 p2992 N91-26522 #
CONF-910001-1 ..... 09 p1356 N91-17446 #
CONF-910102-1 ..... 05 p0673 N91-13745 #
CONF-910104-1 ..... 05 p0672 N91-13736 #
CONF-910108-1 ..... 06 p0843 N91-14659 #
CONF-910108-2 ..... 06 p0827 N91-14572 #
CONF-910108-4 ..... 11 p1734 N91-19538 #
CONF-910116-1 ..... 05 p0684 N91-13806 #
CONF-910116-2 ..... 05 p0694 N91-13866 #
CONF-910116-3 ..... 06 p0807 N91-14458 #
CONF-910116-4 ..... 05 p0630 N91-13490 #
CONF-910116-5 ..... 06 p0820 N91-14533 #
CONF-910116-7 ..... 05 p0715 N91-13990 #
CONF-910116-9 ..... 07 p0966 N91-15304 #
CONF-910116-10 ..... 07 p1002 N91-15503 #
CONF-910116-13 ..... 10 p1524 N91-18392 #
CONF-910116-14 ..... 10 p1541 N91-18484 #
CONF-910116-15 ..... 10 p1483 N91-18176 #
CONF-910116-16 ..... 10 p1595 N91-18799* #
CONF-910116-17 ..... 10 p1484 N91-18177 #
CONF-910116-19 ..... 11 p1796 N91-19857 #
CONF-910116-20 ..... 13 p2152 N91-21861 #
CONF-910116-22 ..... 24 p3972 N91-32186 #
CONF-910117-1-PT-1 ..... 07 p0962 N91-15296 #
CONF-910117-2 ..... 05 p0616 N91-13419 #
CONF-910117-3-PT-2 ..... 08 p1102 N91-16054 #
CONF-910117-4 ..... 10 p1462 N91-18061 #
CONF-910120-1 ..... 05 p0679 N91-13773 #
CONF-910120-2 ..... 07 p1015 N91-15570 #
CONF-910123-1 ..... 12 p1867 N91-20258 #
CONF-910123-2 ..... 11 p1710 N91-19421 #
CONF-910123-4 ..... 10 p1522 N91-18380 #
CONF-910123-5 ..... 12 p1867 N91-20259 #
CONF-910123-7 ..... 11 p1802 N91-19898 #
CONF-910123-8 ..... 10 p1530 N91-18430 #
CONF-910123-9 ..... 11 p1712 N91-19427 #
CONF-910123-10 ..... 11 p1712 N91-19430 #
CONF-910123-11 ..... 12 p1894 N91-20415 #
CONF-910123-12 ..... 11 p1797 N91-19862 #
CONF-910123-13 ..... 13 p2089 N91-21498 #
CONF-910123-14 ..... 13 p2090 N91-21503 #
CONF-910123-15 ..... 12 p1984 N91-20915 #
CONF-910123-17 ..... 21 p3529 N91-29605 #
CONF-910123-18 ..... 15 p2433 N91-23477 #
CONF-910123-19 ..... 14 p2298 N91-22702 #
CONF-910123-20 ..... 14 p2269 N91-22556 #
CONF-910123-21 ..... 16 p2633 N91-24574 #
CONF-910123-22 ..... 15 p2433 N91-23476 #
CONF-910123-23 ..... 17 p2781 N91-25389 #
CONF-910123-24 ..... 17 p2757 N91-25264 #
CONF-910123-26 ..... 17 p2781 N91-25390 #
CONF-910123-28 ..... 18 p2992 N91-26523 #
CONF-910123-31 ..... 21 p3522 N91-29559 #
CONF-910123-32 ..... 20 p3351 N91-28561 #
CONF-910123-33 ..... 20 p3419 N91-28958 #
CONF-910125-1 ..... 17 p2804 N91-25503 #
CONF-910127-4 ..... 11 p1701 N91-19368 #
CONF-910128-3 ..... 10 p1614 N91-18905 #
CONF-910135-2 ..... 16 p2687 N91-24874 #
CONF-910135-3 ..... 17 p2861 N91-25824 #
CONF-910143-2 ..... 10 p1543 N91-18495 #
CONF-910143-4 ..... 10 p1555 N91-18552* #
CONF-910145-1 ..... 12 p1992 N91-20966 #
CONF-910145-2 ..... 14 p2336 N91-22917 #
CONF-910145-3 ..... 15 p2401 N91-23296 #
CONF-910145-4 ..... 20 p3428 N91-29014 #
CONF-910145-5 ..... 20 p3431 N91-29031 #
CONF-910147-1 ..... 06 p0807 N91-14457 #
CONF-910147-2 ..... 07 p0985 N91-15409 #
CONF-910154-1 ..... 06 p0841 N91-14646 #
CONF-910155-ABSTS ..... 17 p2786 N91-25417 #
CONF-910162-2 ..... 11 p1676 N91-19239 #
CONF-910162-3 ..... 11 p1684 N91-19281 #
CONF-910162-4 ..... 13 p2055 N91-21311 #
CONF-910162-5 ..... 14 p2251 N91-22457 #
CONF-910162-6 ..... 14 p2251 N91-22456 #
CONF-910162-7 ..... 20 p3304 N91-28288 #
CONF-910170-1 ..... 10 p1609 N91-18877 #
CONF-910170-2 ..... 11 p1708 N91-19408 #
CONF-910170-3 ..... 17 p2778 N91-25376 #
CONF-910172-2 ..... 11 p1708 N91-19409 #
CONF-910184-1 ..... 11 p1764 N91-19704 #
CONF-910186-1 ..... 14 p2269 N91-22555 #
CONF-910186-2 ..... 13 p2049 N91-21274 #
CONF-910188-1 ..... 15 p2437 N91-23499 #
CONF-910189-1 ..... 13 p2134 N91-21751 #
CONF-910190-2 ..... 15 p2516 N91-23943 #
CONF-910190-3 ..... 21 p3591 N91-29974 #
CONF-910190-4 ..... 20 p3426 N91-29005 #
CONF-910192-1 ..... 18 p3073 N91-26982 #
CONF-910195-1-EXC ..... 15 p2506 N91-23886 #
CONF-910196-1 ..... 17 p2916 N91-26102 #
CONF-910197-1 ..... 17 p2760 N91-25280 #
CONF-910202-1 ..... 07 p0986 N91-15411 #
CONF-910202-2 ..... 09 p1316 N91-17227 #
CONF-910202-3 ..... 11 p1684 N91-19282 #
CONF-910202-4 ..... 12 p1993 N91-20969 #
CONF-910202-6 ..... 13 p2051 N91-21288 #
CONF-910202-7 ..... 13 p2045 N91-21251 #
CONF-910202-8 ..... 14 p2247 N91-22433 #
CONF-910202-9 ..... 17 p2871 N91-25879 #
CONF-910202-10 ..... 17 p2873 N91-25889 #
CONF-910202-11 ..... 17 p2873 N91-25891 #
CONF-910202-12 ..... 18 p3071 N91-26971 #
CONF-910202-13 ..... 17 p2760 N91-25282 #
CONF-910202-14 ..... 18 p2955 N91-26310 #
CONF-910202-15 ..... 18 p2956 N91-26311 #
CONF-910202-16 ..... 20 p3314 N91-28345 #
CONF-910202-17 ..... 20 p3326 N91-28419 #
CONF-910202-18 ..... 20 p3317 N91-28362 #
CONF-910204-2 ..... 07 p1083 N91-15959 #
CONF-910207-1 ..... 07 p1070 N91-15884 #
CONF-910207-2 ..... 11 p1803 N91-19902 #
CONF-910207-3 ..... 13 p2139 N91-21773 #
CONF-910212-1 ..... 11 p1687 N91-19299 #
CONF-910212-2 ..... 11 p1810 N91-19941 #
CONF-910212-3 ..... 14 p2337 N91-22920 #
CONF-910212-4 ..... 15 p2516 N91-23945 #
CONF-910213-14 ..... 07 p1035 N91-15679 #
CONF-910217-1 ..... 18 p3049 N91-26834 #
CONF-910219-1 ..... 07 p1077 N91-15927 #
CONF-910223-2 ..... 08 p1159 N91-16385* #
CONF-910223-3 ..... 07 p1011 N91-15552 #
CONF-910223-4 ..... 07 p1011 N91-15553 #

CONF-910223-5 ..... 07 p1011 N91-15554* #
CONF-910223-6 ..... 07 p1011 N91-15551* #
CONF-910223-11 ..... 07 p1012 N91-15555 #
CONF-910229-3 ..... 20 p3397 N91-28828 #
CONF-910231-1 ..... 07 p0999 N91-15486 #
CONF-910231-2 ..... 07 p0999 N91-15487 #
CONF-910238-2 ..... 08 p1210 N91-16659 #
CONF-910245-1 ..... 07 p1035 N91-15680 #
CONF-910246-1 ..... 07 p0999 N91-15488 #
CONF-910247-1 ..... 12 p1984 N91-20914 #
CONF-910247-2 ..... 20 p3418 N91-28955 #
CONF-910250-1 ..... 24 p4018 N91-32464 #
CONF-910251-1 ..... 08 p1134 N91-16242 #
CONF-910252-2 ..... 11 p1722 N91-19481 #
CONF-910263-1 ..... 07 p1054 N91-15789 #
CONF-910263-4 ..... 10 p1576 N91-18674 #
CONF-910263-7 ..... 10 p1575 N91-18671 #
CONF-910270-37 ..... 16 p2699 N91-24949 #
CONF-910274 ..... 21 p3562 N91-29801 #
CONF-910276-2-VUGRAPHS ..... 11 p1814 N91-19964 #
CONF-910276-3-VUGRAPHS ..... 11 p1814 N91-19965 #
CONF-910276-4 ..... 13 p2168 N91-21965 #
CONF-910278-1 ..... 11 p1680 N91-19258 #
CONF-910278-3 ..... 13 p2050 N91-21278 #
CONF-910279-1 ..... 11 p1683 N91-19276 #
CONF-910279-2-VUGRAPHS ..... 11 p1708 N91-19407 #
CONF-910279-6 ..... 13 p2068 N91-21391 #
CONF-910279-7 ..... 13 p2054 N91-21303 #
CONF-910279-9 ..... 12 p1908 N91-20498 #
CONF-910279-12 ..... 13 p2091 N91-21505 #
CONF-910279-14 ..... 18 p2968 N91-26385 #
CONF-910280-1 ..... 11 p1813 N91-19960 #
CONF-910280-2 ..... 11 p1785 N91-19795 #
CONF-910281-1 ..... 11 p1779 N91-19758 #
CONF-910284-3 ..... 17 p2871 N91-25882 #
CONF-910291-1 ..... 13 p2056 N91-21312 #
CONF-910291-3 ..... 20 p3323 N91-28395 #
CONF-910292-1 ..... 14 p2265 N91-22534 #
CONF-910293-1 ..... 13 p2049 N91-21275 #
CONF-910294-1 ..... 12 p1902 N91-20464 #
CONF-910298-1 ..... 15 p2515 N91-23940 #
CONF-910299-1 ..... 15 p2397 N91-23274 #
CONF-910311-1 ..... 09 p1319 N91-17243 #
CONF-910313-1 ..... 10 p1576 N91-18673 #
CONF-910318-2 ..... 09 p1310 N91-17193 #
CONF-910318-3 ..... 09 p1362 N91-17483 #
CONF-910318-5 ..... 09 p1356 N91-17448 #
CONF-910318-6 ..... 09 p1356 N91-17449 #
CONF-910318-7 ..... 09 p1356 N91-17450 #
CONF-910318-10 ..... 09 p1337 N91-17345 #
CONF-910318-11 ..... 09 p1415 N91-17789 #
CONF-910318-12 ..... 09 p1348 N91-17405 #
CONF-910318-13 ..... 10 p1544 N91-18497 #
CONF-910318-14 ..... 10 p1540 N91-18475 #
CONF-910318-15 ..... 16 p2652 N91-24679 #
CONF-910318-16 ..... 18 p3004 N91-26588 #
CONF-910322-1 ..... 15 p2516 N91-23944 #
CONF-910322-2 ..... 21 p3594 N91-29994 #
CONF-910326-1 ..... 09 p1375 N91-17554 #
CONF-910326-4 ..... 20 p3392 N91-28797 #
CONF-910326-5 ..... 20 p3385 N91-28755 #
CONF-910326-6 ..... 24 p4087 N91-32833 #
CONF-910326-7 ..... 24 p4087 N91-32834 #
CONF-910326-8 ..... 24 p4071 N91-32744 #
CONF-910328-1 ..... 10 p1499 N91-18251 #
CONF-910328-2 ..... 11 p1682 N91-19269 #
CONF-910328-3 ..... 11 p1684 N91-19279 #
CONF-910340-8 ..... 18 p3001 N91-26571 #
CONF-910340-10 ..... 20 p3424 N91-28993 #
CONF-910340-13 ..... 20 p3360 N91-28610 #
CONF-910340-31 ..... 20 p3427 N91-29010 #
CONF-910340-36 ..... 20 p3438 N91-29079 #
CONF-910340-42 ..... 20 p3318 N91-28370 #
CONF-910343-1 ..... 17 p2758 N91-25270 #
CONF-910344-1 ..... 09 p1330 N91-17306 #
CONF-910344-2 ..... 24 p4007 N91-32404 #
CONF-910350-1 ..... 10 p1520 N91-18367 #
CONF-910358-1 ..... 09 p1415 N91-17790 #
CONF-910371-2 ..... 09 p1375 N91-17555 #
CONF-910373-SUMM ..... 18 p3062 N91-26916 #
CONF-910373-4 ..... 18 p3062 N91-26914 #
CONF-910373-6 ..... 18 p3082 N91-27044 #
CONF-910373-7 ..... 20 p3437 N91-29073 #
CONF-910373-11 ..... 20 p3382 N91-28737 #
CONF-910373-13 ..... 20 p3386 N91-28763 #
CONF-910373-15 ..... 24 p4090 N91-32849 #
CONF-910374-1 ..... 11 p1683 N91-19272 #
CONF-910377-1 ..... 09 p1343 N91-17377 #
CONF-910378-1 ..... 15 p2534 N91-24036 #
CONF-910379-1 ..... 20 p3357 N91-28595 #
CONF-910384-1 ..... 16 p2700 N91-24955 #
CONF-910397-1 ..... 21 p3492 N91-29376 #
CONF-910399-1 ..... 11 p1719 N91-19466 #
CONF-910399-3 ..... 20 p3307 N91-28307 #
CONF-910402-1 ..... 11 p1687 N91-19297 #
CONF-910402-4 ..... 11 p1680 N91-19257 #
CONF-910402-7 ..... 11 p1733 N91-19533 #
CONF-910402-8 ..... 11 p1804 N91-19905 #
CONF-910402-10 ..... 19 p3136 N91-27327 #
CONF-910402-13 ..... 18 p2967 N91-26382 #
CONF-910402-15 ..... 18 p3061 N91-26909 #
CONF-910402-16 ..... 20 p3425 N91-28999 #
CONF-910402-17 ..... 21 p3473 N91-29261 #
CONF-910406-1 ..... 17 p2770 N91-25331 #
CONF-910406-2 ..... 17 p2871 N91-25883 #
CONF-910406-4 ..... 20 p3322 N91-28393 #
CONF-910406-6 ..... 18 p2957 N91-26319 #
CONF-910406-7 ..... 18 p2957 N91-26320 #
CONF-910406-9 ..... 18 p3074 N91-26986 #
CONF-910406-10 ..... 20 p3324 N91-28402 #
CONF-910406-11 ..... 20 p3427 N91-29012 #
CONF-910406-12 ..... 20 p3428 N91-29015 #
CONF-910406-13 ..... 20 p3332 N91-28451 #
CONF-910406-14 ..... 20 p3328 N91-28427 #
CONF-910406-15 ..... 20 p3430 N91-29029 #
CONF-910406-16 ..... 20 p3430 N91-29028 #
CONF-910406-18 ..... 20 p3432 N91-29037 #
CONF-910406-19 ..... 20 p3320 N91-28377 #
CONF-910406-20 ..... 20 p3433 N91-29047 #
CONF-910406-21 ..... 20 p3363 N91-28630 #
CONF-910406-22 ..... 20 p3422 N91-28979 #
CONF-910406-23 ..... 20 p3433 N91-29044 #
CONF-910406-24 ..... 21 p3593 N91-29986 #
CONF-910406-25 ..... 20 p3434 N91-29051 #
CONF-910406-26 ..... 21 p3480 N91-29303 #
CONF-910406-27 ..... 21 p3593 N91-29990 #
CONF-910406-30 ..... 21 p3477 N91-29284 #
CONF-910406-31 ..... 21 p3601 N91-30037 #
CONF-910406-32 ..... 21 p3601 N91-30038 #
CONF-910406-33 ..... 23 p3933 N91-31978 #
CONF-910406-34 ..... 24 p4102 N91-32920 #
CONF-910410-1 ..... 20 p3432 N91-29042 #
CONF-910414-1 ..... 11 p1779 N91-19759 #
CONF-910414-3 ..... 11 p1777 N91-19749 #
CONF-910414-8 ..... 10 p1567 N91-18614 #
CONF-910414-14 ..... 11 p1783 N91-19780 #
CONF-910414-16 ..... 10 p1587 N91-18752 #
CONF-910414-17 ..... 11 p1783 N91-19782 #
CONF-910414-18 ..... 11 p1783 N91-19781 #
CONF-910414-19 ..... 11 p1785 N91-19794 #
CONF-910414-21 ..... 11 p1784 N91-19784 #
CONF-910414-25 ..... 13 p2134 N91-21750 #
CONF-910414-26 ..... 14 p2326 N91-22849 #
CONF-910414-28 ..... 15 p2482 N91-23736 #
CONF-910414-29 ..... 15 p2422 N91-23415 #
CONF-910414-33 ..... 15 p2504 N91-23867 #
CONF-910414-36 ..... 20 p3392 N91-28795 #
CONF-910414-37 ..... 21 p3572 N91-29861 #
CONF-910416-1 ..... 10 p1525 N91-18400 #
CONF-910425-1 ..... 15 p2458 N91-23619 #
CONF-910425-2 ..... 17 p2805 N91-25509 #
CONF-910427-1 ..... 11 p1803 N91-19899 #
CONF-910427-3 ..... 20 p3405 N91-28874 #
CONF-910430-2 ..... 18 p2944 N91-26242 #
CONF-910430-3 ..... 20 p3323 N91-28397 #
CONF-910430-4 ..... 20 p3326 N91-28417 #
CONF-910430-9 ..... 20 p3325 N91-28413 #
CONF-910430-10 ..... 20 p3326 N91-28415 #
CONF-910430-11 ..... 20 p3325 N91-28414 #
CONF-910430-13 ..... 20 p3329 N91-28435 #
CONF-910430-15 ..... 20 p3353 N91-28571 #
CONF-910430-17 ..... 21 p3600 N91-30031 #
CONF-910430-18 ..... 24 p3979 N91-32227 #
CONF-910430-21 ..... 24 p4112 N91-32985 #
CONF-910432-1 ..... 21 p3540 N91-29668 #
CONF-910434-1 ..... 17 p2887 N91-25964 #
CONF-910434-4 ..... 20 p3438 N91-29074 #
CONF-910435-67 ..... 17 p2762 N91-25294 #
CONF-910437-1 ..... 10 p1505 N91-18283 #
CONF-910441-3 ..... 10 p1614 N91-18904 #
CONF-910446-2 ..... 11 p1676 N91-19240 #
CONF-910450-2 ..... 11 p1711 N91-19424 #
CONF-910450-3 ..... 14 p2327 N91-22857 #
CONF-910450-4 ..... 14 p2258 N91-22490 #
CONF-910450-6 ..... 17 p2781 N91-25391 #
CONF-910450-8 ..... 18 p3065 N91-26936 #
CONF-910450-11 ..... 20 p3282 N91-28148 #
CONF-910450-12 ..... 20 p3286 N91-28170 #
CONF-910450-15 ..... 24 p4035 N91-32544 #
CONF-910451-1 ..... 11 p1780 N91-19767 #
CONF-910451-4 ..... 11 p1716 N91-19445 #
CONF-910451-5 ..... 11 p1716 N91-19447 #
CONF-910451-6 ..... 11 p1716 N91-19448 #
CONF-910451-7 ..... 11 p1781 N91-19768 #
CONF-910451-9 ..... 11 p1781 N91-19769 #
CONF-910451-10 ..... 11 p1716 N91-19448 #
CONF-910451-12 ..... 10 p1532 N91-18442 #
CONF-910456-1 ..... 20 p3302 N91-28276 #
CONF-910468-3 ..... 10 p1575 N91-18668 #
CONF-910473-1 ..... 11 p1688 N91-19303 #
CONF-910478-1 ..... 11 p1712 N91-19428 #
CONF-910478-2 ..... 17 p2784 N91-25409 #

CONF-910485-1 ..... 18 p2967 N91-26379 #
CONF-910485-2 ..... 17 p2864 N91-25839 #
CONF-910494-1 ..... 11 p1785 N91-19793 #
CONF-910498-1 ..... 11 p1783 N91-19779 #
CONF-910503-9 ..... 18 p2953 N91-26293 #
CONF-910503-13 ..... 21 p3462 N91-29200 #
CONF-910503-21 ..... 20 p3403 N91-28861 #
CONF-910503-24 ..... 20 p3419 N91-28962 #
CONF-910505-1 ..... 13 p2152 N91-21864 #
CONF-910505-4 ..... 21 p3573 N91-29864 #
CONF-910505-9 ..... 17 p2771 N91-25332 #
CONF-910505-12 ..... 18 p3062 N91-26915 #
CONF-910505-13 ..... 17 p2862 N91-25829 #
CONF-910505-20 ..... 17 p2860 N91-25813 #
CONF-910505-21 ..... 17 p2771 N91-25333 #
CONF-910505-34 ..... 18 p3072 N91-26975 #
CONF-910505-56 ..... 20 p3397 N91-28826 #
CONF-910505-71 ..... 20 p3350 N91-28552 #
CONF-910505-80 ..... 20 p3391 N91-28792 #
CONF-910505-84 ..... 20 p3425 N91-28996 #
CONF-910505-88 ..... 20 p3398 N91-28834 #
CONF-910505-94 ..... 20 p3392 N91-28796 #
CONF-910505-95 ..... 20 p3404 N91-28869 #
CONF-910505-104 ..... 20 p3392 N91-28798 #
CONF-910505-107 ..... 20 p3392 N91-28799 #
CONF-910505-115 ..... 21 p3503 N91-29441 #
CONF-910505-122 ..... 20 p3404 N91-28867 #
CONF-910505-137 ..... 20 p3404 N91-28870 #
CONF-910505-149 ..... 20 p3338 N91-28488 #
CONF-910505-150 ..... 20 p3338 N91-28486 #
CONF-910505-154 ..... 20 p3351 N91-28558 #
CONF-910505-159 ..... 20 p3339 N91-28492 #
CONF-910505-172 ..... 20 p3352 N91-28564 #
CONF-910505-173 ..... 21 p3522 N91-29560 #
CONF-910505-174 ..... 20 p3404 N91-28871 #
CONF-910505-178 ..... 20 p3339 N91-28489 #
CONF-910505-182 ..... 21 p3586 N91-29947 #
CONF-910505-186 ..... 20 p3352 N91-28565 #
CONF-910505-191 ..... 20 p3363 N91-28629 #
CONF-910505-222 ..... 20 p3336 N91-28474 #
CONF-910505-227 ..... 20 p3352 N91-28563 #
CONF-910505-230 ..... 20 p3352 N91-28566 #
CONF-910505-233 ..... 20 p3432 N91-29039 #
CONF-910505-235 ..... 20 p3352 N91-28568 #
CONF-910505-238 ..... 20 p3339 N91-28495 #
CONF-910505-245 ..... 20 p3339 N91-28494 #
CONF-910505-256 ..... 20 p3432 N91-29040 #
CONF-910505-295 ..... 20 p3393 N91-28807 #
CONF-910505-323-REV ..... 20 p3336 N91-28476 #
CONF-910505-329 ..... 20 p3352 N91-28569 #
CONF-910505-335 ..... 21 p3554 N91-29746 #
CONF-910505-359 ..... 21 p3498 N91-29407 #
CONF-910505-360 ..... 21 p3498 N91-29408 #
CONF-910505-364 ..... 21 p3580 N91-29911 #
CONF-910505-366 ..... 21 p3525 N91-29578 #
CONF-910505-383 ..... 21 p3498 N91-29410 #
CONF-910505-386 ..... 21 p3525 N91-29581 #
CONF-910505-387 ..... 21 p3525 N91-29583 #
CONF-910505-388 ..... 24 p4100 N91-32909 #
CONF-910505-394 ..... 23 p3933 N91-31981 #
CONF-910505-398 ..... 24 p4100 N91-32907 #
CONF-910529-4 ..... 21 p3577 N91-29893 #
CONF-910530-1 ..... 15 p2459 N91-23628 #
CONF-910531-1 ..... 13 p2143 N91-21802 #
CONF-910531-2 ..... 13 p2104 N91-21583 #
CONF-910531-3 ..... 13 p2144 N91-21804 #
CONF-910550-1-EXTD-ABST ..... 18 p3021 N91-26680 #
CONF-910552-1 ..... 13 p2052 N91-21292 #
CONF-910552-2 ..... 13 p2052 N91-21293 #
CONF-910552-3 ..... 13 p2053 N91-21296 #
CONF-910552-4 ..... 13 p2052 N91-21294 #
CONF-910552-5 ..... 13 p2053 N91-21295 #
CONF-910552-6 ..... 13 p2049 N91-21271 #
CONF-910552-8 ..... 13 p2160 N91-21912 #
CONF-910552-9 ..... 15 p2418 N91-23390 #
CONF-910552-10 ..... 20 p3426 N91-29004 #
CONF-910552-11 ..... 20 p3329 N91-28434 #
CONF-910555-1 ..... 20 p3370 N91-28670 #
CONF-910561-1 ..... 13 p2104 N91-21582 #
CONF-910568-2 ..... 20 p3367 N91-28654 #
CONF-910575-1 ..... 13 p2114 N91-21637 #
CONF-910580-2 ..... 23 p3931 N91-31969 #
CONF-910580-3 ..... 21 p3601 N91-30036 #
CONF-910580-4 ..... 24 p4110 N91-32971 #
CONF-910588-1 ..... 16 p2687 N91-24876 #
CONF-910591-1 ..... 17 p2762 N91-25290 #
CONF-910591-2 ..... 20 p3316 N91-28354 #
CONF-910595-1 ..... 13 p2091 N91-21510 #
CONF-910595-2 ..... 13 p2091 N91-21509 #
CONF-910595-3 ..... 13 p2091 N91-21511 #
CONF-910595-4 ..... 13 p2091 N91-21512 #
CONF-910595-5 ..... 13 p2092 N91-21513 #
CONF-910595-6 ..... 13 p2154 N91-21873 #
CONF-910595-7 ..... 15 p2433 N91-23479 #
CONF-910595-8 ..... 15 p2433 N91-23478 #
CONF-910595-9 ..... 18 p2993 N91-26526 #
CONF-910595-11 ..... 20 p3351 N91-28560 #
CONF-910598-1 ..... 13 p2089 N91-21497 #
CONF-910601-2 ..... 15 p2405 N91-23316 #
CONF-910602-2 ..... 15 p2445 N91-23542 #
CONF-910602-4 ..... 15 p2443 N91-23534 #
CONF-910602-6 ..... 15 p2445 N91-23543 #
CONF-910602-14 ..... 15 p2438 N91-23509 #
CONF-910602-15 ..... 15 p2445 N91-23545 #
CONF-910602-16 ..... 15 p2445 N91-23544 #
CONF-910602-18 ..... 15 p2444 N91-23540 #
CONF-910602-20 ..... 15 p2446 N91-23546 #
CONF-910602-22 ..... 18 p3001 N91-26572 #
CONF-910602-23 ..... 15 p2445 N91-23541 #
CONF-910602-25 ..... 17 p2791 N91-25441 #
CONF-910602-31 ..... 18 p2957 N91-26317 #
CONF-910602-34 ..... 20 p3359 N91-28609 #
CONF-910602-39 ..... 18 p2986 N91-26487 #
CONF-910602-42 ..... 20 p3360 N91-28616 #
CONF-910602-45 ..... 20 p3317 N91-28361 #
CONF-910602-46 ..... 20 p3329 N91-28437 #
CONF-910603-7 ..... 15 p2489 N91-23785 #
CONF-910603-8 ..... 15 p2506 N91-23883 #
CONF-910605-1 ..... 21 p3476 N91-29281 #
CONF-910606-1 ..... 21 p3573 N91-29869 #
CONF-910608-1 ..... 17 p2873 N91-25894 #
CONF-910608-2 ..... 18 p2952 N91-26292 #
CONF-910608-3 ..... 20 p3427 N91-29008 #
CONF-910608-4 ..... 20 p3318 N91-28366 #
CONF-910608-5 ..... 20 p3395 N91-28815 #
CONF-910608-6 ..... 20 p3433 N91-29045 #
CONF-910609-2 ..... 15 p2511 N91-23916 #
CONF-910609-3 ..... 15 p2512 N91-23917 #
CONF-910609-4 ..... 15 p2511 N91-23913 #
CONF-910609-5 ..... 15 p2411 N91-23353 #
CONF-910609-6 ..... 17 p2866 N91-25856 #
CONF-910609-7 ..... 17 p2867 N91-25860 #
CONF-910609-9 ..... 17 p2867 N91-25859 #
CONF-910609-10 ..... 21 p3586 N91-29950 #
CONF-910609-13 ..... 18 p3066 N91-26938 #
CONF-910609-14 ..... 18 p3066 N91-26939 #
CONF-910609-15 ..... 17 p2869 N91-25872 #
CONF-910609-18 ..... 21 p3588 N91-29957 #
CONF-910609-19 ..... 21 p3588 N91-29958 #
CONF-910614-1 ..... 15 p2401 N91-23298 #
CONF-910614-2 ..... 15 p2401 N91-23294 #
CONF-910614-3 ..... 18 p2956 N91-26314 #
CONF-910614-4 ..... 20 p3320 N91-28380 #
CONF-910614-5 ..... 21 p3479 N91-29299 #
CONF-910615-6 ..... 24 p4107 N91-32952 #
CONF-910617-1 ..... 15 p2405 N91-23318 #
CONF-910617-2 ..... 20 p3354 N91-28577 #
CONF-910617-3 ..... 21 p3491 N91-29373 #
CONF-910623-1 ..... 20 p3427 N91-29009 #
CONF-910623-2 ..... 23 p3874 N91-31611 #
CONF-910624-1 ..... 20 p3361 N91-28619 #
CONF-910624-2 ..... 20 p3314 N91-28346 #
CONF-910624-3 ..... 20 p3362 N91-28623 #
CONF-910624-4 ..... 23 p3886 N91-31688 #
CONF-910626-2 ..... 21 p3468 N91-29232 #
CONF-910626-3 ..... 24 p4105 N91-32937 #
CONF-910626-5 ..... 24 p4027 N91-32503 #
CONF-910626-6 ..... 24 p4024 N91-32490 #
CONF-910627-1 ..... 15 p2417 N91-23386 #
CONF-910635-1 ..... 22 p3656 N91-30353 #
CONF-910635-3 ..... 21 p3503 N91-29444 #
CONF-910635-7 ..... 21 p3594 N91-29993 #
CONF-910635-8 ..... 21 p3589 N91-29963 #
CONF-910637-1 ..... 15 p2473 N91-23697 #
CONF-910638-1 ..... 15 p2438 N91-23507 #
CONF-910638-2 ..... 15 p2438 N91-23508 #
CONF-910638-3 ..... 15 p2483 N91-23742 #
CONF-910640-1 ..... 15 p2506 N91-23885 #
CONF-910640-2 ..... 15 p2418 N91-23389 #
CONF-910640-7 ..... 22 p3668 N91-30425 #
CONF-910640-10 ..... 21 p3587 N91-29952 #
CONF-910640-11 ..... 21 p3504 N91-29446 #
CONF-910640-12 ..... 21 p3508 N91-29478 #
CONF-910640-13 ..... 21 p3509 N91-29479 #
CONF-910640-15 ..... 21 p3587 N91-29955 #
CONF-910640-16 ..... 20 p3423 N91-28983 #
CONF-910640-17 ..... 21 p3587 N91-29953 #
CONF-910640-18 ..... 20 p3340 N91-28499 #
CONF-910640-19 ..... 21 p3503 N91-29443 #
CONF-910640-21 ..... 21 p3522 N91-29562 #
CONF-910640-22 ..... 21 p3587 N91-29951 #
CONF-910640-23 ..... 21 p3587 N91-29954 #
CONF-910640-24 ..... 21 p3509 N91-29480 #
CONF-910640-25 ..... 21 p3509 N91-29483 #
CONF-910640-27 ..... 21 p3504 N91-29445 #
CONF-910640-28 ..... 23 p3859 N91-31518 #
CONF-910640-29 ..... 21 p3502 N91-29435 #
CONF-910640-30 ..... 21 p3510 N91-29487 #
CONF-910640-31 ..... 24 p3989 N91-32286 #
CONF-910640-32 ..... 24 p4008 N91-32413 #
CONF-910640-33 ..... 24 p4006 N91-32402 #
CONF-910640-34 ..... 24 p4023 N91-32482 #

CONF-910640-36 ..... 24 p4006 N91-32401 #
CONF-910640-39 ..... 24 p4007 N91-32403 #
CONF-910640-40 ..... 24 p4008 N91-32409 #
CONF-910640-41 ..... 24 p4009 N91-32415 #
CONF-910645-1 ..... 17 p2747 N91-25197 #
CONF-910645-2 ..... 18 p2944 N91-26240 #
CONF-910646-3 ..... 24 p4111 N91-32977 #
CONF-910646-4 ..... 23 p3819 N91-31302 #
CONF-910646-5 ..... 24 p4109 N91-32962 #
CONF-910648-1 ..... 15 p2441 N91-23520 #
CONF-910648-2 ..... 18 p3053 N91-26863 #
CONF-910651-1 ..... 15 p2425 N91-23430 #
CONF-910651-2 ..... 15 p2424 N91-23429 #
CONF-910651-2-REV-1 ..... 21 p3510 N91-29489 #
CONF-910651-3 ..... 17 p2778 N91-25377 #
CONF-910651-4 ..... 17 p2777 N91-25372 #
CONF-910651-5 ..... 17 p2778 N91-25373 #
CONF-910651-8 ..... 18 p3067 N91-26946 #
CONF-910654-2 ..... 20 p3325 N91-28411 #
CONF-910654-3 ..... 21 p3531 N91-29620 #
CONF-910659 ..... 20 p3281 N91-28147 #
CONF-910659-3 ..... 15 p2460 N91-23631 #
CONF-910659-5 ..... 15 p2424 N91-23426 #
CONF-910659-5-REV-1 ..... 21 p3537 N91-29652 #
CONF-910659-10 ..... 15 p2460 N91-23630 #
CONF-910659-11 ..... 15 p2483 N91-23744 #
CONF-910659-12 ..... 15 p2460 N91-23632 #
CONF-910659-13 ..... 18 p3008 N91-26608 #
CONF-910659-17 ..... 18 p3008 N91-26609 #
CONF-910659-18 ..... 18 p3008 N91-26610 #
CONF-910661-1 ..... 21 p3519 N91-29541 #
CONF-910664-1 ..... 15 p2424 N91-23428 #
CONF-910684-1 ..... 15 p2507 N91-23892 #
CONF-910684-2 ..... 15 p2425 N91-23431 #
CONF-910684-3 ..... 15 p2405 N91-23317 #
CONF-910690-1 ..... 15 p2515 N91-23939 #
CONF-910690-2 ..... 15 p2417 N91-23388 #
CONF-910706-3 ..... 20 p3431 N91-29033 #
CONF-910706-3 ..... 24 p4095 N91-32878 #
CONF-910706-5 ..... 20 p3433 N91-29046 #
CONF-910707-2 ..... 24 p4108 N91-32960 #
CONF-910707-3 ..... 23 p3816 N91-31286 #
CONF-910707-4 ..... 23 p3820 N91-31308 #
CONF-910707-6 ..... 24 p4112 N91-32981 #
CONF-910710-1 ..... 23 p3932 N91-31972 #
CONF-910710-2 ..... 24 p4110 N91-32972 #
CONF-910710-3 ..... 24 p4113 N91-32987 #
CONF-910711-1 ..... 19 p3247 N91-27959 #
CONF-910711-2 ..... 19 p3155 N91-27443 #
CONF-910711-3 ..... 19 p3171 N91-27529 #
CONF-910711-4 ..... 19 p3128 N91-27284 #
CONF-910711-5 ..... 19 p3247 N91-27960 #
CONF-910711-6 ..... 18 p3061 N91-26911 #
CONF-910715-2 ..... 24 p4109 N91-32965 #
CONF-910720-1 ..... 21 p3513 N91-29506 #
CONF-910730-2 ..... 23 p3925 N91-31935 #
CONF-910730-5 ..... 24 p4111 N91-32974 #
CONF-910730-6 ..... 24 p4112 N91-32982 #
CONF-910730-7 ..... 24 p4111 N91-32975 #
CONF-910730-9 ..... 24 p4103 N91-32927 #
CONF-910731-1 ..... 18 p2967 N91-26380 #
CONF-910731-2-REV-1 ..... 20 p3304 N91-28285 #
CONF-910731-3 ..... 20 p3304 N91-28286 #
CONF-910736-1 ..... 20 p3434 N91-29050 #
CONF-910736-2 ..... 21 p3600 N91-30032 #
CONF-910736-3 ..... 21 p3593 N91-29985 #
CONF-910736-4 ..... 20 p3434 N91-29052 #
CONF-910736-5 ..... 21 p3594 N91-29995 #
CONF-910736-6 ..... 24 p4108 N91-32959 #
CONF-910736-8 ..... 23 p3933 N91-31979 #
CONF-910736-9 ..... 24 p4109 N91-32966 #
CONF-910736-10 ..... 24 p4110 N91-32967 #
CONF-910736-11 ..... 24 p4110 N91-32968 #
CONF-910736-12 ..... 23 p3932 N91-31976 #
CONF-910736-13 ..... 24 p4110 N91-32969 #
CONF-910736-15 ..... 24 p4110 N91-32973 #
CONF-910736-16 ..... 24 p4113 N91-32988 #
CONF-910739-1 ..... 18 p2986 N91-26485 #
CONF-910739-2 ..... 18 p2951 N91-26284 #
CONF-910739-3 ..... 19 p3257 N91-28015 #
CONF-910739-10 ..... 19 p3162 N91-27485 #
CONF-910739-11 ..... 20 p3434 N91-29053 #
CONF-910739-14 ..... 20 p3342 N91-28509 #
CONF-910739-18 ..... 20 p3345 N91-28527 #
CONF-910739-19 ..... 21 p3512 N91-29503 #
CONF-910739-20 ..... 21 p3480 N91-29300 #
CONF-910739-21-PT-1 ..... 21 p3512 N91-29502 #
CONF-910739-22-PT-2 ..... 21 p3512 N91-29501 #
CONF-910739-23 ..... 21 p3512 N91-29500 #
CONF-910739-26 ..... 21 p3492 N91-29377 #
CONF-910739-27 ..... 21 p3517 N91-29531 #
CONF-910742-1 ..... 23 p3892 N91-31720 #
CONF-910746-1 ..... 21 p3579 N91-29909 #
CONF-910746-2 ..... 21 p3578 N91-29903 #
CONF-910746-3 ..... 24 p4096 N91-32884 #
CONF-910751-1 ..... 19 p3216 N91-27774 #
CONF-910751-2 ..... 19 p3250 N91-27977 #
CONF-910751-3 ..... 19 p3250 N91-27978 #
CONF-910751-4 ..... 22 p3759 N91-30953 #
CONF-910751-6 ..... 19 p3111 N91-27189 #
CONF-910751-7 ..... 19 p3178 N91-27572 #
CONF-910751-9 ..... 20 p3349 N91-28549 #
CONF-910755-1 ..... 23 p3807 N91-31237 #
CONF-910759-1 ..... 18 p2986 N91-26484 #
CONF-910771-1 ..... 19 p3217 N91-27781 #
CONF-910771-2 ..... 18 p3052 N91-26854 #
CONF-910771-3 ..... 23 p3909 N91-31818 #
CONF-910774-4 ..... 21 p3498 N91-29409 #
CONF-910774-5 ..... 21 p3605 N91-30058 #
CONF-910774-9 ..... 21 p3520 N91-29549 #
CONF-910774-15 ..... 21 p3494 N91-29386 #
CONF-910774-52 ..... 24 p4006 N91-32399 #
CONF-910774-58 ..... 24 p3952 N91-32089 #
CONF-910774-62 ..... 23 p3918 N91-31886 #
CONF-910774-63 ..... 23 p3914 N91-31854 #
CONF-910774-65 ..... 24 p4104 N91-32936 #
CONF-910779-2 ..... 19 p3257 N91-28016 #
CONF-910779-3 ..... 19 p3217 N91-27782 #
CONF-910779-4 ..... 19 p3235 N91-27885 #
CONF-910779-5 ..... 19 p3243 N91-27938 #
CONF-910779-6 ..... 19 p3173 N91-27544 #
CONF-910780-1 ..... 19 p3186 N91-27617* #
CONF-910784-1 ..... 19 p3218 N91-27783 #
CONF-910784-2 ..... 20 p3383 N91-28741 #
CONF-910792-1 ..... 19 p3218 N91-27784 #
CONF-910793-1 ..... 19 p3117 N91-27222 #
CONF-910795-1 ..... 21 p3509 N91-29481 #
CONF-910801-1 ..... 20 p3337 N91-28483 #
CONF-910801-2 ..... 20 p3338 N91-28487 #
CONF-910801-5 ..... 20 p3369 N91-28661 #
CONF-910801-6 ..... 20 p3303 N91-28279 #
CONF-910801-8 ..... 21 p3579 N91-29910 #
CONF-910801-9 ..... 23 p3931 N91-31967 #
CONF-910801-10 ..... 21 p3492 N91-29378 #
CONF-910801-11 ..... 21 p3572 N91-29860 #
CONF-910801-12 ..... 21 p3495 N91-29392 #
CONF-910801-13 ..... 23 p3859 N91-31519 #
CONF-910801-14-DRAFT ..... 21 p3589 N91-29968 #
CONF-910801-15 ..... 21 p3536 N91-29649 #
CONF-910801-17 ..... 24 p3981 N91-32239 #
CONF-910801-18 ..... 24 p3968 N91-32168 #
CONF-910801-19 ..... 24 p4007 N91-32408 #
CONF-910801-20 ..... 24 p4040 N91-32576 #
CONF-910801-21 ..... 24 p3968 N91-32169 #
CONF-910802-1 ..... 20 p3367 N91-28650 #
CONF-910802-1 ..... 24 p4041 N91-32577 #
CONF-910803-1 ..... 24 p4113 N91-32991 #
CONF-910808-1 ..... 20 p3315 N91-28352 #
CONF-910808-3 ..... 20 p3319 N91-28371 #
CONF-910808-4 ..... 24 p3976 N91-32212 #
CONF-910809-2 ..... 24 p4042 N91-32588 #
CONF-910812-1 ..... 20 p3322 N91-28390 #
CONF-910812-3 ..... 20 p3325 N91-28408 #
CONF-910812-4 ..... 20 p3329 N91-28438 #
CONF-910815-2 ..... 24 p4098 N91-32899 #
CONF-910817-3 ..... 20 p3315 N91-28349 #
CONF-910817-6 ..... 20 p3359 N91-28606 #
CONF-910817-10 ..... 20 p3359 N91-28607 #
CONF-910817-11 ..... 20 p3360 N91-28614 #
CONF-910817-12-PT-1 ..... 20 p3360 N91-28615 #
CONF-910817-13-PT-2 ..... 20 p3315 N91-28350 #
CONF-910817-20 ..... 23 p3818 N91-31299 #
CONF-910817-22 ..... 23 p3884 N91-31674 #
CONF-910819-1 ..... 23 p3892 N91-31721 #
CONF-910824-1 ..... 24 p4092 N91-32863 #
CONF-910847-1 ..... 20 p3302 N91-28274 #
CONF-910847-2 ..... 21 p3453 N91-29151 #
CONF-910854-2 ..... 20 p3324 N91-28406 #
CONF-910857-1 ..... 24 p4100 N91-32908 #
CONF-910857-2 ..... 24 p4105 N91-32942 #
CONF-910857-3 ..... 24 p4107 N91-32953 #
CONF-910858-1 ..... 20 p3388 N91-28774 #
CONF-910859-1 ..... 21 p3564 N91-29812 #
CONF-910861-1 ..... 20 p3348 N91-28541 #
CONF-910862-2 ..... 24 p3976 N91-32208 #
CONF-910863-1 ..... 20 p3342 N91-28505 #
CONF-910869-1 ..... 24 p4107 N91-32950 #
CONF-910870-2 ..... 20 p3314 N91-28344 #
CONF-910870-3 ..... 20 p3399 N91-28840 #
CONF-910870-4 ..... 20 p3324 N91-28405 #
CONF-910870-7 ..... 21 p3518 N91-29536 #
CONF-910870-8 ..... 21 p3484 N91-29327 #
CONF-910870-10 ..... 21 p3590 N91-29971 #
CONF-910870-12 ..... 20 p3426 N91-29003 #
CONF-910870-13 ..... 20 p3320 N91-28379 #
CONF-910870-14 ..... 20 p3399 N91-28841 #
CONF-910870-15 ..... 20 p3349 N91-28548 #
CONF-910870-16 ..... 20 p3403 N91-28862 #
CONF-910871-1 ..... 20 p3353 N91-28574 #
CONF-910872-1 ..... 21 p3590 N91-29970 #
CONF-910872-2 ..... 20 p3315 N91-28351 #
CONF-910872-3 ..... 21 p3590 N91-29972 #

CONF-910872-4 ..... 20 p3349 N91-28544 #
CONF-910872-5 ..... 20 p3320 N91-28379 #
CONF-910872-6 ..... 20 p3399 N91-28841 #
CONF-910872-7 ..... 23 p3932 N91-31975 #
CONF-910885-1 ..... 21 p3473 N91-29260 #
CONF-910888-1 ..... 20 p3309 N91-28314 #
CONF-910903-1 ..... 21 p3508 N91-29477 #
CONF-910903-3 ..... 21 p3572 N91-29859 #
CONF-910903-6 ..... 22 p3760 N91-30961 #
CONF-910903-9 ..... 24 p4099 N91-32902 #
CONF-910903-10 ..... 24 p4009 N91-32419 #
CONF-910907-5 ..... 24 p3974 N91-32199 #
CONF-910909-1-DRAFT ..... 20 p3320 N91-28378 #
CONF-910909-2 ..... 20 p3357 N91-28594 #
CONF-910909-5 ..... 20 p3289 N91-28187 #
CONF-910909-7 ..... 20 p3321 N91-28382 #
CONF-910909-8 ..... 21 p3483 N91-29324 #
CONF-910927-1 ..... 24 p4027 N91-32506 #
CONF-910936-1 ..... 20 p3340 N91-28497 #
CONF-910957-1 ..... 20 p3333 N91-28457 #
CONF-910957-2 ..... 23 p3886 N91-31689 #
CONF-910993-11 ..... 23 p3925 N91-31933 #
CONF-911001-2 ..... 24 p4077 N91-32774 #
CONF-911003-1 ..... 23 p3814 N91-31277 #
CONF-911003-2 ..... 23 p3880 N91-31650 #
CONF-911003-3 ..... 23 p3880 N91-31649 #
CONF-911003-5 ..... 24 p4106 N91-32944 #
CONF-911003-6 ..... 24 p3976 N91-32209 #
CONF-911020-1 ..... 22 p3757 N91-30946 #
CONF-911025-1 ..... 23 p3821 N91-31314 #
CONF-911025-2 ..... 24 p3974 N91-32197 #
CONF-911047-1 ..... 23 p3859 N91-31517 #
CONF-911047-2 ..... 23 p3931 N91-31966 #
CONF-911047-3 ..... 23 p3851 N91-31472 #
CONF-911047-4 ..... 23 p3890 N91-31710 #
CONF-911047-5 ..... 23 p3811 N91-31259 #
CONF-911047-6 ..... 24 p4040 N91-32573 #
CONF-911050-1 ..... 22 p3654 N91-30340 #
CONF-911069-1 ..... 23 p3884 N91-31672 #
CONF-911069-2 ..... 23 p3877 N91-31634 #
CONF-911069-3 ..... 23 p3814 N91-31275 #
CONF-911069-5 ..... 23 p3884 N91-31673 #
CONF-911069-6 ..... 23 p3814 N91-31276 #
CONF-911069-7 ..... 23 p3818 N91-31298 #
CONF-911070-2 ..... 23 p3806 N91-31230 #
CONF-911071-2 ..... 24 p4113 N91-32990 #
CONF-911084-1 ..... 23 p3819 N91-31301 #
CONF-911084-2 ..... 24 p3979 N91-32228 #
CONF-911087-1 ..... 23 p3862 N91-31532 #
CONF-911087-2 ..... 24 p3989 N91-32285 #
CONF-8405153-6 ..... 21 p3536 N91-29650 #
CONF-8706159-4 ..... 06 p0807 N91-14456 #
CONF-8710452 ..... 01 p0046 N91-10274 #
CONF-8807172-2 ..... 04 p0573 N91-13186 #
CONF-8810423-1 ..... 08 p1230 N91-16783 #
CONF-8810430 ..... 03 p0389 N91-12165 #
CONF-8810506-1 ..... 21 p3520 N91-29550 #
CONF-8902176 ..... 09 p1419 N91-17813 #
CONF-8903169-4 ..... 04 p0573 N91-13186 #
CONF-8904117-2 ..... 04 p0545 N91-13024 #
CONF-8904308-2 ..... 08 p1208 N91-16646 #
CONF-8905344-1 ..... 02 p0226 N91-11264 #
CONF-8906270-5 ..... 08 p1220 N91-16721 #
CONF-8906408 ..... 21 p3503 N91-29442 #
CONF-8906411-1 ..... 24 p4071 N91-32743 #
CONF-8907114-4 ..... 02 p0196 N91-11098 #
CONF-8907189-1 ..... 08 p1231 N91-16786 #
CONF-8907191-1 ..... 08 p1173 N91-16459 #
CONF-8907191-2-REV-1 ..... 09 p1357 N91-17455 #
CONF-8907216-1 ..... 02 p0226 N91-11267 #
CONF-8907226-1 ..... 05 p0729 N91-14070 #
CONF-8907229-1-VUGRAPHS ..... 07 p0980 N91-15381 #
CONF-8907240-1 ..... 18 p3009 N91-26612 #
CONF-8908106-6 ..... 08 p1233 N91-16796 #
CONF-8908128-2 ..... 08 p1223 N91-16739 #
CONF-8908134-32 ..... 08 p1153 N91-16349 #
CONF-8908178-2 ..... 08 p1226 N91-16754 #
CONF-8908185-2 ..... 08 p1148 N91-16324 #
CONF-8908222-2 ..... 08 p1147 N91-16319 #
CONF-8908246 ..... 02 p0292 N91-11640 #
CONF-8908254 ..... 05 p0685 N91-13810 #
CONF-8908276-SUMM ..... 17 p2808 N91-25524 #
CONF-8909106-1 ..... 05 p0659 N91-13661 #
CONF-8909178-2 ..... 06 p0827 N91-14571 #
CONF-8909192-2 ..... 08 p1223 N91-16736 #
CONF-8909204-6 ..... 01 p0031 N91-10185 #
CONF-8909247-9 ..... 12 p1975 N91-20867 #
CONF-8909331-1 ..... 08 p1227 N91-16765 #
CONF-8909334-1 ..... 21 p3547 N91-29709 #
CONF-8910245-SUMM ..... 10 p1524 N91-18391 #
CONF-8910315-2 ..... 09 p1306 N91-17167 #
CONF-8910341-1 ..... 09 p1310 N91-17191* #
CONF-8910341-2 ..... 07 p1083 N91-15957* #
CONF-8910401-2 ..... 08 p1235 N91-16809 #
CONF-8910462-1 ..... 04 p0546 N91-13030 #
CONF-8911130 ..... 08 p1226 N91-16755 #
CONF-8911151-3 ..... 05 p0685 N91-13809 #
CONF-8911182 ..... 17 p2887 N91-25961 #
CONF-8911192-6 ..... 01 p0047 N91-10278 #
CONF-8911192-7 ..... 04 p0506 N91-12809 #
CONF-8911192-8 ..... 09 p1318 N91-17239 #
CONF-8911193-1 ..... 08 p1162 N91-16399 #
CONF-8911224-1 ..... 02 p0233 N91-11301 #
CONF-8911226 ..... 04 p0543 N91-13013 #
CONF-9002113-1 ..... 08 p1171 N91-16446 #
CONF-9002115-1 ..... 21 p3526 N91-29584 #
CONF-9002115-2 ..... 16 p2612 N91-24462 #
CONF-9002117-1 ..... 08 p1219 N91-16712 #
CONF-9002120-1 ..... 08 p1156 N91-16370 #
CONF-9002128-3 ..... 05 p0714 N91-13982 #
CONF-9002131-2 ..... 01 p0113 N91-10661 #
CONF-9002131-3 ..... 02 p0254 N91-11413 #
CONF-9002140-1 ..... 01 p0122 N91-10721 #
CONF-9002156-2 ..... 11 p1679 N91-19253 #
CONF-9002159-1 ..... 08 p1191 N91-16546 #
CONF-9002163-2 ..... 20 p3378 N91-28714 #
CONF-9002167-1 ..... 11 p1734 N91-19535 #
CONF-9002169 ..... 11 p1802 N91-19896 #
CONF-9002172-1 ..... 12 p1992 N91-20967 #
CONF-9003100 ..... 24 p4097 N91-32891 #
CONF-9003100-5 ..... 15 p2503 N91-23866 #
CONF-9003128-3 ..... 08 p1125 N91-16182 #
CONF-9003149-2 ..... 08 p1101 N91-16042 #
CONF-9003149-3 ..... 08 p1197 N91-16578 #
CONF-9003152-1 ..... 08 p1231 N91-16787 #
CONF-9003153-1 ..... 08 p1108 N91-16085 #
CONF-9003157-1 ..... 09 p1348 N91-17406 #
CONF-9003200-1 ..... 02 p0221 N91-11236 #
CONF-9003202-1 ..... 02 p0254 N91-11412 #
CONF-9003209-2 ..... 10 p1558 N91-18569 #
CONF-9003221-1 ..... 05 p0726 N91-14057 #
CONF-9003224-1 ..... 05 p0665 N91-13698 #
CONF-9003236 ..... 12 p1985 N91-20924 #
CONF-9004131 ..... 11 p1726 N91-19503 #
CONF-9004133-4 ..... 01 p0065 N91-10388 #
CONF-9004136-9-REV-1 ..... 02 p0184 N91-11032 #
CONF-9004146-8 ..... 08 p1223 N91-16738 #
CONF-9004159-5 ..... 08 p1206 N91-16633 #
CONF-9004159-6 ..... 08 p1209 N91-16647 #
CONF-9004178-3 ..... 17 p2863 N91-25832 #
CONF-9004180-1 ..... 08 p1180 N91-16498 #
CONF-9004186-2 ..... 09 p1317 N91-17230 #
CONF-9004189-2 ..... 06 p0858 N91-14740 #
CONF-9004193-1 ..... 08 p1232 N91-16789 #
CONF-9004196-2 ..... 08 p1132 N91-16229 #
CONF-9004200-1 ..... 08 p1174 N91-16461 #
CONF-9004209-1 ..... 08 p1222 N91-16735 #
CONF-9004232 ..... 11 p1711 N91-19422 #
CONF-9004232-4 ..... 11 p1712 N91-19432 #
CONF-9004232-5 ..... 11 p1795 N91-19850 #
CONF-9004240-SUMM ..... 01 p0112 N91-10650 #
CONF-9004243-1 ..... 02 p0220 N91-11231 #
CONF-9004244-1 ..... 04 p0591 N91-13299 #
CONF-9004251-SUMM ..... 07 p1034 N91-15672 #
CONF-9004254-1 ..... 10 p1606 N91-18859 #
CONF-9004266-1 ..... 10 p1543 N91-18493 #
CONF-9004267-1 ..... 10 p1539 N91-18470 #
CONF-9004272-1 ..... 09 p1391 N91-17655 #
CONF-9004273-1 ..... 10 p1513 N91-18330 #
CONF-9005145-2 ..... 07 p1073 N91-15906 #
CONF-9005145-3 ..... 08 p1111 N91-16101 #
CONF-9005145-4 ..... 10 p1606 N91-18860 #
CONF-9005145-5 ..... 09 p1414 N91-17786 #
CONF-9005165-2-VUGRAPHS ..... 10 p1494 N91-18224 #
CONF-9005168-1 ..... 08 p1138 N91-16262 #
CONF-9005170-1 ..... 08 p1190 N91-16542 #
CONF-9005171-1 ..... 08 p1172 N91-16454 #
CONF-9005175-1 ..... 08 p1132 N91-16226 #
CONF-9005183 ..... 01 p0064 N91-10385 #
CONF-9005183-4 ..... 10 p1602 N91-18834 #
CONF-9005188-1 ..... 09 p1389 N91-17639 #
CONF-9005195-1 ..... 08 p1133 N91-16231 #
CONF-9005196-1 ..... 08 p1133 N91-16230 #
CONF-9005196-2 ..... 08 p1169 N91-16439 #
CONF-9005203-1 ..... 08 p1239 N91-16829 #
CONF-9005212-1 ..... 08 p1148 N91-16323 #
CONF-9005221-9 ..... 09 p1396 N91-17685 #
CONF-9005223-1 ..... 22 p3743 N91-30854 #
CONF-9005225 ..... 07 p0970 N91-15325 #
CONF-9005233-11 ..... 10 p1592 N91-18779 #
CONF-9005237-3 ..... 01 p0121 N91-10715 #
CONF-9005237-4 ..... 01 p0113 N91-10662 #
CONF-9005237-6 ..... 01 p0113 N91-10663 #
CONF-9005237-7 ..... 05 p0710 N91-13957 #
CONF-9005237-8 ..... 08 p1142 N91-16288 #
CONF-9005238-3 ..... 04 p0609 N91-13387 #
CONF-9005245-5 ..... 10 p1611 N91-18887 #
CONF-9005248-2 ..... 02 p0291 N91-11633* #
CONF-9005261-1 ..... 01 p0067 N91-10406 #
CONF-9005270-1 ..... 02 p0197 N91-11102 #
CONF-9005272-1 ..... 02 p0234 N91-11309 #
CONF-9005273-1 ..... 02 p0268 N91-11505 #

CONF-9005277-1 ..... 04 p0488 N91-12713 #
CONF-9005284-1 ..... 06 p0879 N91-14853 #
CONF-9005286-1 ..... 05 p0677 N91-13765 #
CONF-9005292-2 ..... 07 p1002 N91-15502 #
CONF-9005300-1 ..... 10 p1611 N91-18888 #
CONF-9005316-1 ..... 11 p1812 N91-19951 #
CONF-9005329-1 ..... 15 p2472 N91-23695 #
CONF-9006105-12 ..... 02 p0273 N91-11537 #
CONF-9006105-13 ..... 11 p1679 N91-19252 #
CONF-9006105-14 ..... 15 p2511 N91-23911 #
CONF-9006111-4 ..... 01 p0093 N91-10541 #
CONF-9006111-6 ..... 01 p0093 N91-10542 #
CONF-9006111-7 ..... 01 p0073 N91-10440 #
CONF-9006114-1-REV-1 ..... 08 p1197 N91-16577 #
CONF-9006134 ..... 07 p1027 N91-15640 #
CONF-9006134-1 ..... 04 p0545 N91-13025 #
CONF-9006134-2 ..... 05 p0685 N91-13813 #
CONF-9006146-4 ..... 08 p1169 N91-16438 #
CONF-9006146-8 ..... 08 p1133 N91-16233 #
CONF-9006149-2 ..... 08 p1161 N91-16397 #
CONF-9006153-4 ..... 10 p1524 N91-18389 #
CONF-9006162-2 ..... 08 p1161 N91-16397 #
CONF-9006171-1 ..... 08 p1213 N91-16676 #
CONF-9006172-1 ..... 08 p1213 N91-16675 #
CONF-9006174-2 ..... 04 p0591 N91-13302 #
CONF-9006176-15 ..... 02 p0207 N91-11156 #
CONF-9006179-1 ..... 09 p1321 N91-17254 #
CONF-9006179-2 ..... 08 p1133 N91-16232 #
CONF-9006179-5 ..... 01 p0037 N91-10219 #
CONF-9006179-6 ..... 10 p1517 N91-18353 #
CONF-9006187-1 ..... 21 p3472 N91-29256 #
CONF-9006187-2 ..... 09 p1306 N91-17165 #
CONF-9006189-1 ..... 08 p1208 N91-16642 #
CONF-9006190-2 ..... 21 p3521 N91-29553 #
CONF-9006194-2 ..... 02 p0243 N91-11353 #
CONF-9006195-7 ..... 01 p0124 N91-10733 #
CONF-9006212-2 ..... 01 p0139 N91-10818 #
CONF-9006212-3-REV-1 ..... 02 p0292 N91-11635 #
CONF-9006212-5 ..... 11 p1818 N91-19984 #
CONF-9006218-2 ..... 10 p1505 N91-18284 #
CONF-9006220-4 ..... 02 p0243 N91-11352 #
CONF-9006220-8 ..... 20 p3448 N91-29133 #
CONF-9006220-9 ..... 20 p3379 N91-28720 #
CONF-9006220-10 ..... 20 p3379 N91-28721 #
CONF-9006228-4 ..... 05 p0648 N91-13599 #
CONF-9006228-6 ..... 10 p1594 N91-18797 #
CONF-9006235-3 ..... 17 p2762 N91-25293 #
CONF-9006242-3 ..... 11 p1795 N91-19849 #
CONF-9006242-5-VUGRAPHS ..... 13 p2092 N91-21514 #
CONF-9006242-6 ..... 13 p2092 N91-21515 #
CONF-9006243-2 ..... 02 p0207 N91-11159 #
CONF-9006260-1 ..... 07 p1053 N91-15781 #
CONF-9006261-1 ..... 01 p0141 N91-10830 #
CONF-9006265-1 ..... 01 p0121 N91-10719 #
CONF-9006267-1 ..... 01 p0025 N91-10147 #
CONF-9006267-2 ..... 01 p0114 N91-10665 #
CONF-9006267-3 ..... 02 p0280 N91-11574 #
CONF-9006267-23 ..... 11 p1796 N91-19851 #
CONF-9006267-25 ..... 12 p2009 N91-21054 #
CONF-9006271-1 ..... 03 p0343 N91-11923 #
CONF-9006271-2 ..... 04 p0529 N91-12935 #
CONF-9006273-1 ..... 02 p0282 N91-11583 #
CONF-9006273-2 ..... 07 p0979 N91-15376 #
CONF-9006276-3 ..... 19 p3265 N91-28058 #
CONF-9006277-1 ..... 05 p0635 N91-13517 #
CONF-9006282-1 ..... 07 p1083 N91-15956 #
CONF-9006282-3 ..... 08 p1265 N91-16966 #
CONF-9006282-4 ..... 07 p1083 N91-15958 #
CONF-9006286-1 ..... 05 p0644 N91-13573 #
CONF-9006288-1 ..... 05 p0728 N91-14069 #
CONF-9006289-1 ..... 07 p1036 N91-15681 #
CONF-9006294-1 ..... 10 p1504 N91-18276 #
CONF-9006295-1 ..... 06 p0862 N91-14765 #
CONF-9006299 ..... 14 p2300 N91-22711 #
CONF-9006300-1 ..... 10 p1590 N91-18769 #
CONF-9006303-1 ..... 10 p1569 N91-18626 #
CONF-9006307-1 ..... 10 p1491 N91-18211 #
CONF-9006308-1 ..... 10 p1563 N91-18597 #
CONF-9006311-1 ..... 10 p1586 N91-18742 #
CONF-9006314-1 ..... 11 p1794 N91-19842 #
CONF-9006333-1 ..... 20 p3354 N91-28576 #
CONF-9006335-1 ..... 17 p2847 N91-25735 #
CONF-9006336-1 ..... 17 p2888 N91-25969 #
CONF-9006343-1 ..... 18 p3075 N91-26992 #
CONF-9007101-1 ..... 05 p0769 N91-14269 #
CONF-9007101-2 ..... 05 p0769 N91-14270 #
CONF-9007101-3-PT-1 ..... 09 p1450 N91-18000 #
CONF-9007101-4-PT-2 ..... 08 p1268 N91-16982 #
CONF-9007106-75 ..... 06 p0787 N91-14354 #
CONF-9007109-2 ..... 01 p0050 N91-10296 #
CONF-9007111-15 ..... 11 p1699 N91-19358 #
CONF-9007117-4 ..... 18 p2992 N91-26525 #
CONF-9007131-3 ..... 05 p0713 N91-13978 #
CONF-9007133-3 ..... 07 p1013 N91-15563 #
CONF-9007133-4 ..... 09 p1314 N91-17215 #
CONF-9007134 ..... 05 p0707 N91-13943 #
CONF-9007136-3 ..... 01 p0118 N91-10697 #
CONF-9007136-4 ..... 02 p0275 N91-11546 #
CONF-9007136-5 ..... 05 p0718 N91-14007 #
CONF-9007145-3 ..... 10 p1507 N91-18294 #
CONF-9007149-4 ..... 07 p0998 N91-15482 #
CONF-9007149-6 ..... 13 p2052 N91-21289 #
CONF-9007149-7 ..... 17 p2757 N91-25261 #
CONF-9007157-1 ..... 01 p0122 N91-10720 #
CONF-9007157-2 ..... 04 p0528 N91-12926 #
CONF-9007158-1 ..... 01 p0139 N91-10817 #
CONF-9007159-1 ..... 02 p0284 N91-11600 #
CONF-9007161-1 ..... 01 p0033 N91-10195 #
CONF-9007162-1 ..... 02 p0193 N91-11079 #
CONF-9007165-2 ..... 01 p0102 N91-10593 #
CONF-9007172-2 ..... 03 p0401 N91-12231 #
CONF-9007181-1 ..... 05 p0728 N91-14067 #
CONF-9007188-2 ..... 18 p3074 N91-26990 #
CONF-9007190-1 ..... 10 p1563 N91-18600 #
CONF-9007197-1 ..... 09 p1397 N91-17689 #
CONF-9007198-2 ..... 11 p1793 N91-19838 #
CONF-9007211-1 ..... 20 p3316 N91-28356 #
CONF-9008106-1 ..... 01 p0024 N91-10142 #
CONF-9008125-3 ..... 04 p0537 N91-12977 #
CONF-9008125-4 ..... 01 p0031 N91-10183 #
CONF-9008125-5 ..... 01 p0030 N91-10176 #
CONF-9008125-6 ..... 01 p0028 N91-10165 #
CONF-9008125-7 ..... 01 p0027 N91-10164 #
CONF-9008125-8 ..... 01 p0027 N91-10163 #
CONF-9008125-9 ..... 07 p0986 N91-15410 #
CONF-9008125-10 ..... 07 p0981 N91-15384 #
CONF-9008128-1 ..... 01 p0046 N91-10275 #
CONF-9008134-2 ..... 01 p0118 N91-10696 #
CONF-9008134-3 ..... 02 p0216 N91-11204 #
CONF-9008139-2 ..... 06 p0842 N91-14649 #
CONF-9008139-3 ..... 05 p0683 N91-13800 #
CONF-9008139-4 ..... 20 p3367 N91-28651 #
CONF-9008139-5 ..... 20 p3367 N91-28653 #
CONF-9008141-1 ..... 01 p0027 N91-10159 #
CONF-9008141-2 ..... 01 p0131 N91-10776 #
CONF-9008142-1 ..... 01 p0047 N91-10277 #
CONF-9008143-1 ..... 01 p0130 N91-10767 #
CONF-9008149-ABSTS ..... 02 p0280 N91-11572 #
CONF-9008153-1 ..... 02 p0234 N91-11308 #
CONF-9008156-1 ..... 03 p0401 N91-12232 #
CONF-9008161-1 ..... 03 p0416 N91-12327 #
CONF-9008162-1 ..... 05 p0686 N91-13814 #
CONF-9008162-2-REV ..... 24 p4042 N91-32585 #
CONF-9008162-3 ..... 21 p3538 N91-29656 #
CONF-9008164-1 ..... 05 p0768 N91-14264 #
CONF-9008166-2 ..... 23 p3939 N91-32016 #
CONF-9008170-1 ..... 07 p1071 N91-15894 #
CONF-9008171-2 ..... 09 p1406 N91-17739 #
CONF-9008179-1 ..... 09 p1391 N91-17657 #
CONF-9008181-1 ..... 09 p1389 N91-17638 #
CONF-9008184 ..... 13 p2150 N91-21846 #
CONF-9008185-1 ..... 11 p1799 N91-19872 #
CONF-9008186-1 ..... 11 p1679 N91-19255 #
CONF-9008187-SUMM ..... 20 p3426 N91-29002 #
CONF-9008196-1 ..... 13 p2159 N91-21906 #
CONF-9008198-1 ..... 15 p2482 N91-23740 #
CONF-9008199-1 ..... 15 p2439 N91-23510 #
CONF-9008204-1 ..... 18 p3060 N91-26903 #
CONF-9008209-1 ..... 20 p3390 N91-28786 #
CONF-9009107-1 ..... 04 p0543 N91-13014 #
CONF-9009107-2 ..... 04 p0544 N91-13016 #
CONF-9009107-3 ..... 06 p0842 N91-14650 #
CONF-9009107-4 ..... 05 p0615 N91-13414 #
CONF-9009107-5 ..... 07 p1031 N91-15659 #
CONF-9009107-6 ..... 07 p1026 N91-15629 #
CONF-9009107-7 ..... 22 p3684 N91-30513 #
CONF-9009108-2 ..... 11 p1776 N91-19743 #
CONF-9009109-1 ..... 11 p1737 N91-19552 #
CONF-9009109-2 ..... 10 p1624 N91-18958 #
CONF-9009113-1 ..... 03 p0373 N91-12090 #
CONF-9009118-2 ..... 11 p1710 N91-19417 #
CONF-9009123-33 ..... 04 p0514 N91-12855 #
CONF-9009123-36 ..... 07 p1067 N91-15870 #
CONF-9009123-37 ..... 06 p0872 N91-14819 #
CONF-9009123-40 ..... 05 p0652 N91-13619 #
CONF-9009123-43 ..... 05 p0666 N91-13701 #
CONF-9009123-48 ..... 05 p0715 N91-13988 #
CONF-9009123-47 ..... 05 p0653 N91-13626 #
CONF-9009123-54 ..... 06 p0883 N91-14883 #
CONF-9009123-56 ..... 06 p0883 N91-14881 #
CONF-9009123-58 ..... 06 p0883 N91-14882 #
CONF-9009123-64 ..... 11 p1710 N91-19418 #
CONF-9009123-66 ..... 13 p2150 N91-21848 #
CONF-9009141-4 ..... 02 p0197 N91-11101 #
CONF-9009141-5 ..... 02 p0268 N91-11503 #
CONF-9009141-6 ..... 08 p1235 N91-16808 #
CONF-9009141-8 ..... 10 p1500 N91-18257 #
CONF-9009141-9 ..... 10 p1501 N91-18261 #
CONF-9009141-12 ..... 11 p1684 N91-19277 #
CONF-9009153-3 ..... 05 p0697 N91-13880 #
CONF-9009153-4 ..... 06 p0836 N91-14621 #
CONF-9009154-2 ..... 02 p0284 N91-11601 #

CONF-9009166-1 ..... 01 p0047 N91-10279 #
CONF-9009166-2 ..... 01 p0047 N91-10280 #
CONF-9009166-4 ..... 04 p0528 N91-12927 #
CONF-9009166-5 ..... 03 p0370 N91-12074 #
CONF-9009166-7 ..... 04 p0530 N91-12938 #
CONF-9009166-8 ..... 04 p0529 N91-12937 #
CONF-9009166-9 ..... 05 p0654 N91-13631 #
CONF-9009166-10 ..... 05 p0666 N91-13702 #
CONF-9009166-12 ..... 08 p1154 N91-16357 #
CONF-9009166-15 ..... 09 p1341 N91-17366 #
CONF-9009166-16 ..... 10 p1531 N91-18433 #
CONF-9009166-17 ..... 11 p1711 N91-19425 #
CONF-9009166-18 ..... 11 p1711 N91-19426 #
CONF-9009166-19 ..... 12 p1905 N91-20484 #
CONF-9009166-20 ..... 13 p2091 N91-21508 #
CONF-9009166-21 ..... 14 p2260 N91-22506 #
CONF-9009173-1 ..... 07 p1070 N91-15889 #
CONF-9009174-1 ..... 02 p0193 N91-11080 #
CONF-9009174-2 ..... 02 p0216 N91-11209 #
CONF-9009174-3 ..... 04 p0528 N91-12924 #
CONF-9009177-1 ..... 10 p1575 N91-18669 #
CONF-9009192-12 ..... 01 p0125 N91-10736 #
CONF-9009192-14 ..... 06 p0790 N91-14369 #
CONF-9009192-16 ..... 10 p1517 N91-18354 #
CONF-9009200-5 ..... 01 p0121 N91-10717 #
CONF-9009200-10 ..... 01 p0120 N91-10713 #
CONF-9009200-12 ..... 08 p1125 N91-16183 #
CONF-9009200-17 ..... 02 p0208 N91-11162 #
CONF-9009201 ..... 10 p1521 N91-18378 #
CONF-9009201-4 ..... 01 p0031 N91-10184 #
CONF-9009201-5 ..... 04 p0590 N91-13296 #
CONF-9009201-9 ..... 06 p0880 N91-14857 #
CONF-9009201-11 ..... 11 p1686 N91-19290 #
CONF-9009220-1 ..... 01 p0037 N91-10218 #
CONF-9009223-3 ..... 06 p0836 N91-14622 #
CONF-9009223-4 ..... 06 p0813 N91-14492 #
CONF-9009225-1 ..... 01 p0108 N91-10626 #
CONF-9009227-1 ..... 01 p0133 N91-10789 #
CONF-9009228 ..... 10 p1524 N91-18388 #
CONF-9009230-2 ..... 13 p2078 N91-21449 #
CONF-9009231-2 ..... 04 p0532 N91-12953 #
CONF-9009232-2 ..... 01 p0111 N91-10649 #
CONF-9009235-1 ..... 01 p0045 N91-10266 #
CONF-9009235-2 ..... 05 p0693 N91-13859 #
CONF-9009235-3 ..... 05 p0664 N91-13690 #
CONF-9009236-1 ..... 02 p0265 N91-11485 #
CONF-9009236-3 ..... 07 p1073 N91-15907 #
CONF-9009238-1 ..... 02 p0231 N91-11290 #
CONF-9009240-1 ..... 01 p0068 N91-10409 #
CONF-9009241-1 ..... 02 p0220 N91-11230 #
CONF-9009241-2-REV ..... 11 p1799 N91-19874 #
CONF-9009247-1 ..... 02 p0207 N91-11158 #
CONF-9009248-3 ..... 05 p0666 N91-13703 #
CONF-9009248-4 ..... 06 p0821 N91-14535 #
CONF-9009248-5 ..... 11 p1708 N91-19405 #
CONF-9009248-6 ..... 17 p2780 N91-25385 #
CONF-9009249-1 ..... 02 p0233 N91-11299 #
CONF-9009256-2 ..... 06 p0808 N91-14460 #
CONF-9009258-1 ..... 08 p1158 N91-16380 #
CONF-9009258-2 ..... 10 p1531 N91-18437 #
CONF-9009258-3 ..... 10 p1532 N91-18439 #
CONF-9009260-1 ..... 07 p1002 N91-15500 #
CONF-9009261-1 ..... 02 p0269 N91-11509 #
CONF-9009261-3 ..... 07 p1071 N91-15890 #
CONF-9009263-1 ..... 04 p0581 N91-13239 #
CONF-9009264-2 ..... 06 p0809 N91-14470 #
CONF-9009264-4 ..... 09 p1317 N91-17228 #
CONF-9009266-1-VUGRAPHS ..... 04 p0530 N91-12940 #
CONF-9009266-3 ..... 07 p1008 N91-15536 #
CONF-9009266-4 ..... 10 p1528 N91-18416 #
CONF-9009266-5 ..... 10 p1529 N91-18418 #
CONF-9009266-6 ..... 10 p1529 N91-18417 #
CONF-9009266-7 ..... 11 p1802 N91-19895 #
CONF-9009266-8 ..... 10 p1530 N91-18427 #
CONF-9009266-9 ..... 10 p1530 N91-18426 #
CONF-9009266-10-REV-1 ..... 11 p1712 N91-19429 #
CONF-9009266-11 ..... 13 p2088 N91-21488 #
CONF-9009266-12 ..... 14 p2270 N91-22559 #
CONF-9009266-13 ..... 14 p2269 N91-22557 #
CONF-9009267-2 ..... 05 p0714 N91-13983 #
CONF-9009267-3 ..... 07 p1033 N91-15668 #
CONF-9009267-4 ..... 07 p1065 N91-15858 #
CONF-9009269-3 ..... 05 p0702 N91-13915 #
CONF-9009269-5 ..... 10 p1601 N91-18832 #
CONF-9009269-6 ..... 10 p1603 N91-18846 #
CONF-9009269-8 ..... 13 p2159 N91-21903 #
CONF-9009278-1 ..... 05 p0693 N91-13858 #
CONF-9009283-1 ..... 05 p0719 N91-14012 #
CONF-9009292-4 ..... 10 p1516 N91-18346 #
CONF-9009294-1 ..... 07 p1065 N91-15856 #
CONF-9009303-1 ..... 13 p2048 N91-21267 #
CONF-9009307-1 ..... 10 p1555 N91-18550* #
CONF-9009308-1 ..... 07 p1083 N91-15960 #
CONF-9009308-2 ..... 10 p1617 N91-18915 #
CONF-9009308-3 ..... 09 p1383 N91-17607 #
CONF-9009308-4 ..... 09 p1427 N91-17857 #
CONF-9009315-6 ..... 24 p4096 N91-32888 #
CONF-9009316-1 ..... 09 p1361 N91-17481 #
CONF-9009320-1 ..... 09 p1427 N91-17858 #
CONF-9009323-1 ..... 09 p1316 N91-17223 #
CONF-9009324-1 ..... 10 p1491 N91-18210 #
CONF-9009325-1 ..... 10 p1617 N91-18917 #
CONF-9009325-3 ..... 10 p1618 N91-18919 #
CONF-9009325-4 ..... 10 p1617 N91-18918* #
CONF-9009330-1 ..... 10 p1607 N91-18866 #
CONF-9009334-SUMM ..... 12 p1918 N91-20552 #
CONF-9009335-SUMM ..... 12 p1918 N91-20552 #
CONF-9009336-SUMM ..... 12 p1918 N91-20552 #
CONF-9009337-SUMM ..... 11 p1802 N91-19897 #
CONF-9009337-1 ..... 12 p1984 N91-20917 #
CONF-9009339-2 ..... 13 p2149 N91-21844 #
CONF-9009344-SUMM ..... 11 p1779 N91-19760 #
CONF-9009347-1 ..... 13 p2049 N91-21273 #
CONF-9009348-1 ..... 12 p1915 N91-20535 #
CONF-9009351-1 ..... 13 p2081 N91-21462 #
CONF-9009353-1 ..... 15 p2400 N91-23292 #
CONF-9009381-1 ..... 20 p3334 N91-28463 #
CONF-9009382-1 ..... 20 p3309 N91-28315 #
CONF-9009383-1 ..... 20 p3308 N91-28308 #
CONF-9010105-1 ..... 05 p0652 N91-13624 #
CONF-9010135-1 ..... 11 p1809 N91-19933 #
CONF-9010138-1 ..... 11 p1684 N91-19280 #
CONF-9010138-2 ..... 18 p2956 N91-26316 #
CONF-9010138-3 ..... 17 p2817 N91-25567 #
CONF-9010146-1 ..... 05 p0667 N91-13707 #
CONF-9010146-3 ..... 12 p1992 N91-20968 #
CONF-9010148-1 ..... 06 p0838 N91-14633 #
CONF-9010151-3 ..... 07 p0979 N91-15372 #
CONF-9010151-8 ..... 11 p1722 N91-19483 #
CONF-9010154-1 ..... 01 p0002 N91-10008 #
CONF-9010155-4 ..... 09 p1373 N91-17546 #
CONF-9010155-5 ..... 20 p3381 N91-28732 #
CONF-9010170-1 ..... 01 p0029 N91-10172 #
CONF-9010171-2 ..... 01 p0108 N91-10630 #
CONF-9010172-1 ..... 01 p0056 N91-10329 #
CONF-9010172-3 ..... 02 p0184 N91-11033 #
CONF-9010172-4 ..... 04 p0527 N91-12922 #
CONF-9010173-2 ..... 07 p0975 N91-15350 #
CONF-9010185-1 ..... 02 p0285 N91-11603 #
CONF-9010185-2 ..... 05 p0677 N91-13763 #
CONF-9010185-9 ..... 07 p1013 N91-15561 #
CONF-9010185-10 ..... 05 p0674 N91-13746 #
CONF-9010185-16 ..... 09 p1373 N91-17544 #
CONF-9010190-2 ..... 06 p0807 N91-14455 #
CONF-9010190-3 ..... 10 p1525 N91-18394 #
CONF-9010193-1 ..... 04 p0508 N91-12822 #
CONF-9010193-3 ..... 07 p0984 N91-15401 #
CONF-9010198-1 ..... 08 p1174 N91-16465 #
CONF-9010199-2 ..... 06 p0871 N91-14812 #
CONF-9010201-1 ..... 08 p1118 N91-16145 #
CONF-9010203-1 ..... 08 p1124 N91-16176 #
CONF-9010205-1 ..... 05 p0709 N91-13955 #
CONF-9010205-2 ..... 05 p0644 N91-13572 #
CONF-9010207-1 ..... 04 p0502 N91-12790 #
CONF-9010207-3 ..... 06 p0804 N91-14439 #
CONF-9010207-4 ..... 06 p0806 N91-14449 #
CONF-9010209-1 ..... 04 p0586 N91-13270 #
CONF-9010209-2 ..... 04 p0585 N91-13265 #
CONF-9010209-4 ..... 05 p0718 N91-14008 #
CONF-9010209-5 ..... 06 p0876 N91-14842 #
CONF-9010209-6 ..... 08 p1229 N91-16777 #
CONF-9010209-7 ..... 09 p1406 N91-17735 #
CONF-9010209-8 ..... 10 p1600 N91-18827 #
CONF-9010211-2 ..... 06 p0858 N91-14739 #
CONF-9010212-3 ..... 05 p0652 N91-13618 #
CONF-9010212-9 ..... 05 p0662 N91-13682 #
CONF-9010212-21 ..... 07 p0999 N91-15484 #
CONF-9010212-22 ..... 07 p1039 N91-15697 #
CONF-9010212-28 ..... 09 p1399 N91-17701 #
CONF-9010212-33 ..... 11 p1814 N91-19963 #
CONF-9010212-34 ..... 11 p1699 N91-19359 #
CONF-9010212-35 ..... 11 p1699 N91-19361 #
CONF-9010212-41 ..... 13 p2076 N91-21436 #
CONF-9010217-1 ..... 06 p0809 N91-14467 #
CONF-9010220-2 ..... 05 p0652 N91-13620 #
CONF-9010220-18 ..... 09 p1328 N91-17294 #
CONF-9010220-24 ..... 10 p1531 N91-18434 #
CONF-9010220-26 ..... 11 p1699 N91-19360 #
CONF-9010223-1 ..... 05 p0615 N91-13413* #
CONF-9010226-1 ..... 05 p0727 N91-14060 #
CONF-9010227-2 ..... 06 p0875 N91-14839 #
CONF-9010227-3 ..... 18 p2934 N91-26186 #
CONF-9010228-1 ..... 06 p0790 N91-14370 #
CONF-9010230-2 ..... 05 p0719 N91-14014 #
CONF-9010230-3 ..... 05 p0719 N91-14015 #
CONF-9010230-4 ..... 06 p0875 N91-14838 #
CONF-9010230-5 ..... 05 p0719 N91-14010 #
CONF-9010230-6 ..... 05 p0718 N91-14009 #
CONF-9010230-7 ..... 05 p0719 N91-14011 #
CONF-9010232-2 ..... 11 p1694 N91-19333 #
CONF-9010232-3 ..... 20 p3334 N91-28462 #
CONF-9010239-1 ..... 05 p0702 N91-13912 #

CONF-9010239-2 ..... 07 p1049 N91-15761 #
CONF-9010240-1 ..... 06 p0816 N91-14505 #
CONF-9010243-2 ..... 06 p0870 N91-14810 #
CONF-9010243-17 ..... 18 p3061 N91-26906 #
CONF-9010247-4 ..... 21 p3570 N91-29849 #
CONF-9010249-3-REV-1 ..... 11 p1762 N91-19698 #
CONF-9010254-2 ..... 13 p2050 N91-21280 #
CONF-9010256-1 ..... 05 p0731 N91-14084 #
CONF-9010256-2 ..... 07 p1050 N91-15762 #
CONF-9010256-3 ..... 09 p1353 N91-17431 #
CONF-9010256-6 ..... 11 p1773 N91-19720 #
CONF-9010258-1 ..... 06 p0810 N91-14473 #
CONF-9010260-1 ..... 09 p1356 N91-17447 #
CONF-9010264-1 ..... 09 p1395 N91-17674 #
CONF-9010264-4 ..... 10 p1594 N91-18796 #
CONF-9010265-1 ..... 09 p1371 N91-17537 #
CONF-9010266-1 ..... 08 p1229 N91-16778 #
CONF-9010267-3 ..... 13 p2152 N91-21865 #
CONF-9010268-1 ..... 08 p1266 N91-16968 #
CONF-9010268-2 ..... 09 p1388 N91-17636 #
CONF-9010268-3 ..... 10 p1615 N91-18912 #
CONF-9010270-1 ..... 08 p1154 N91-16358 #
CONF-9010270-2 ..... 11 p1782 N91-19777 #
CONF-9010270-3 ..... 11 p1782 N91-19778 #
CONF-9010275-1 ..... 09 p1411 N91-17768 #
CONF-9010277-1 ..... 10 p1556 N91-18557 #
CONF-9010277-2 ..... 11 p1733 N91-19530 #
CONF-9010278-1 ..... 10 p1590 N91-18764 #
CONF-9010282-1 ..... 10 p1528 N91-18414 #
CONF-9010282-2 ..... 09 p1342 N91-17373 #
CONF-9010283-7 ..... 20 p3403 N91-28860 #
CONF-9010284-1 ..... 10 p1586 N91-18743 #
CONF-9010286-1 ..... 09 p1391 N91-17656 #
CONF-9010287-1 ..... 09 p1343 N91-17379 #
CONF-9010287-2 ..... 09 p1415 N91-17788 #
CONF-9010287-3 ..... 10 p1528 N91-18415 #
CONF-9010287-4 ..... 09 p1408 N91-17747 #
CONF-9010287-5 ..... 09 p1343 N91-17376 #
CONF-9010287-7 ..... 15 p2502 N91-23860 #
CONF-9010287-8 ..... 18 p2991 N91-26518 #
CONF-9010289-1 ..... 09 p1426 N91-17848 #
CONF-9010289-2 ..... 09 p1426 N91-17849 #
CONF-9010289-3 ..... 09 p1450 N91-18002 #
CONF-9010289-4 ..... 09 p1450 N91-18001 #
CONF-9010291-2 ..... 23 p3925 N91-31930 #
CONF-9010292-1 ..... 10 p1501 N91-18259 #
CONF-9010292-2 ..... 10 p1503 N91-18273 #
CONF-9010292-3 ..... 09 p1416 N91-17794 #
CONF-9010292-4 ..... 10 p1501 N91-18260 #
CONF-9010298-1 ..... 10 p1592 N91-18778 #
CONF-9010298-2 ..... 11 p1710 N91-19416 #
CONF-9010298-5 ..... 11 p1805 N91-19910 #
CONF-9010298-7 ..... 11 p1803 N91-19900 #
CONF-9010298-8 ..... 17 p2867 N91-25861 #
CONF-9010298-9 ..... 17 p2867 N91-25862 #
CONF-9010298-10 ..... 17 p2869 N91-25871 #
CONF-9010303-1 ..... 10 p1607 N91-18870 #
CONF-9010307-1 ..... 11 p1776 N91-19738 #
CONF-9010316 ..... 12 p1919 N91-20560 #
CONF-9010317-1 ..... 11 p1722 N91-19480 #
CONF-9010320-1 ..... 11 p1795 N91-19848 #
CONF-9010321-1 ..... 12 p1993 N91-20972 #
CONF-9010324-1 ..... 12 p1979 N91-20890 #
CONF-9010345-SUMM ..... 17 p2867 N91-25858 #
CONF-9010352-1 ..... 17 p2862 N91-25830 #
CONF-9010364-1 ..... 20 p3332 N91-28452 #
CONF-9010405-1 ..... 24 p4075 N91-32770 #
CONF-9011108-1 ..... 09 p1416 N91-17795 #
CONF-9011110-1 ..... 08 p1110 N91-16094 #
CONF-9011110-3 ..... 08 p1110 N91-16095 #
CONF-9011114-1 ..... 08 p1197 N91-16581 #
CONF-9011115-2 ..... 05 p0652 N91-13623 #
CONF-9011118-1 ..... 05 p0682 N91-13793 #
CONF-9011118-2 ..... 05 p0683 N91-13795 #
CONF-9011119-1-DRAFT ..... 05 p0651 N91-13617 #
CONF-9011119-3 ..... 10 p1472 N91-18111 #
CONF-9011119-4 ..... 21 p3494 N91-29387 #
CONF-9011119-5 ..... 23 p3821 N91-31316 #
CONF-9011122-1 ..... 05 p0632 N91-13498 #
CONF-9011122-2 ..... 06 p0804 N91-14436 #
CONF-9011123-1 ..... 06 p0811 N91-14480 #
CONF-9011125-1 ..... 06 p0879 N91-14854 #
CONF-9011125-2 ..... 06 p0820 N91-14532 #
CONF-9011125-3 ..... 05 p0727 N91-14063 #
CONF-9011125-4 ..... 10 p1518 N91-18355 #
CONF-9011125-5 ..... 10 p1575 N91-18667 #
CONF-9011125-6 ..... 10 p1609 N91-18879 #
CONF-9011127-10 ..... 07 p1069 N91-15883 #
CONF-9011127-11 ..... 09 p1330 N91-17308 #
CONF-9011127-13 ..... 09 p1408 N91-17748 #
CONF-9011127-16 ..... 09 p1343 N91-17380 #
CONF-9011127-17 ..... 13 p2159 N91-21903 #
CONF-9011132-1 ..... 07 p1061 N91-15838 #
CONF-9011135-1 ..... 06 p0836 N91-14619 #
CONF-9011136-1 ..... 06 p0875 N91-14840 #
CONF-9011136-4 ..... 10 p1602 N91-18835 #
CONF-9011138-1 ..... 06 p0841 N91-14645 #
CONF-9011144-2 ..... 17 p2808 N91-25523 #
CONF-9011149-4 ..... 10 p1602 N91-18833 #
CONF-9011149-6 ..... 10 p1569 N91-18630 #
CONF-9011149-8 ..... 09 p1343 N91-17375 #
CONF-9011149-9 ..... 09 p1393 N91-17666 #
CONF-9011149-10 ..... 09 p1397 N91-17686 #
CONF-9011149-11 ..... 11 p1703 N91-19381 #
CONF-9011149-13 ..... 13 p2133 N91-21740 #
CONF-9011149-14 ..... 13 p2092 N91-21516 #
CONF-9011149-15 ..... 13 p2144 N91-21808 #
CONF-9011149-16 ..... 20 p3436 N91-29063 #
CONF-9011150-1 ..... 09 p1361 N91-17480 #
CONF-9011154-1 ..... 10 p1543 N91-18492 #
CONF-9011155-1 ..... 09 p1341 N91-17365 #
CONF-9011155-2 ..... 13 p2090 N91-21504 #
CONF-9011160-1 ..... 10 p1544 N91-18498 #
CONF-9011161-1 ..... 10 p1613 N91-18901 #
CONF-9011163-1 ..... 10 p1494 N91-18226 #
CONF-9011166-1 ..... 09 p1417 N91-17798 #
CONF-9011170-1 ..... 10 p1592 N91-18780 #
CONF-9011175-1 ..... 11 p1807 N91-19922 #
CONF-9011177-6 ..... 22 p3754 N91-30924 #
CONF-9011177-7 ..... 15 p2503 N91-23862 #
CONF-9011177-8 ..... 16 p2685 N91-24870 #
CONF-9011178-1 ..... 10 p1545 N91-18503 #
CONF-9011179-1 ..... 11 p1737 N91-19551 #
CONF-9011180-1 ..... 11 p1734 N91-19539 #
CONF-9011183-1 ..... 15 p2404 N91-23312 #
CONF-9011186-1 ..... 15 p2459 N91-23627 #
CONF-9011188-1 ..... 14 p2354 N91-23019 #
CONF-9011192-1 ..... 14 p2341 N91-22947 #
CONF-9011196-1 ..... 17 p2822 N91-25596 #
CONF-9011198-1 ..... 18 p3084 N91-27050 #
CONF-9011198-3 ..... 18 p3084 N91-27051 #
CONF-9011207-1 ..... 21 p3484 N91-29328 #
CONF-9012103-2 ..... 23 p3852 N91-31473 #
CONF-9012104-1 ..... 24 p4096 N91-32889 #
CONF-9101100-1 ..... 18 p3084 N91-27052 #
CONF-9101100-5 ..... 24 p4009 N91-32417 #
CONF-9101101-1 ..... 20 p3391 N91-28793 #
CONF-9101102-1 ..... 20 p3356 N91-28592 #
CONF-9101102-3 ..... 21 p3485 N91-29336 #
CONF-9102101-1 ..... 18 p2956 N91-26315 #
CONF-9102102-1 ..... 15 p2503 N91-23865 #
CONF-9102104-1 ..... 18 p3073 N91-26980 #
CONF-9102106-2 ..... 21 p3473 N91-29259 #
CONF-9102109-1 ..... 17 p2757 N91-25263 #
CONF-9102109-2 ..... 20 p3396 N91-28824 #
CONF-9102110-1 ..... 18 p3005 N91-26595 #
CONF-9102112-ABSTS ..... 18 p3067 N91-26945 #
CONF-9102113-1 ..... 19 p3238 N91-27906 #
CONF-9102117-1 ..... 20 p3393 N91-28805 #
CONF-9103102-2 ..... 10 p1519 N91-18364 #
CONF-9103102-3 ..... 10 p1518 N91-18357 #
CONF-9103102-4 ..... 11 p1697 N91-19344 #
CONF-9103105-2 ..... 16 p2619 N91-24497 #
CONF-9103107-1 ..... 10 p1541 N91-18480 #
CONF-9103109-VOL-1 ..... 20 p3368 N91-28658 #
CONF-9103109-VOL-2 ..... 20 p3368 N91-28656 #
CONF-9103109-1-VUGRAPHS ..... 14 p2281 N91-22617 #
CONF-9103110-1 ..... 14 p2270 N91-22560 #
CONF-9103110-2 ..... 24 p4023 N91-32481 #
CONF-9103112-1 ..... 14 p2336 N91-22918 #
CONF-9103112-2 ..... 21 p3592 N91-29979 #
CONF-9103112-3 ..... 21 p3593 N91-29989 #
CONF-9103112-4 ..... 24 p4006 N91-32397 #
CONF-9103123-1 ..... 10 p1515 N91-18344 #
CONF-9103123-2 ..... 12 p1889 N91-20387 #
CONF-9103123-3 ..... 12 p1889 N91-20388 #
CONF-9103124-1 ..... 10 p1516 N91-18345 #
CONF-9103130-1 ..... 11 p1677 N91-19242 #
CONF-9103130-2 ..... 20 p3362 N91-28624 #
CONF-9103130-3 ..... 20 p3363 N91-28632 #
CONF-9103131-4 ..... 18 p2970 N91-26399 #
CONF-9103132-1 ..... 13 p2149 N91-21841 #
CONF-9103133-2 ..... 15 p2483 N91-23745 #
CONF-9103134-2 ..... 15 p2398 N91-23277 #
CONF-9103134-3 ..... 18 p3084 N91-27053 #
CONF-9103134-4 ..... 20 p3396 N91-28825 #
CONF-9103135-1 ..... 13 p2049 N91-21276 #
CONF-9103136-2 ..... 14 p2244 N91-22415 #
CONF-9103136-3 ..... 14 p2310 N91-22765 #
CONF-9103136-6 ..... 20 p3386 N91-28762 #
CONF-9103146-1 ..... 14 p2326 N91-22850 #
CONF-9103146-2 ..... 15 p2504 N91-23873 #
CONF-9103146-3 ..... 20 p3400 N91-28844 #
CONF-9103152-1 ..... 16 p2662 N91-24727 #
CONF-9103161-1 ..... 19 p3232 N91-27867 #
CONF-9103164-1 ..... 18 p2970 N91-26398 #
CONF-9103165-2 ..... 19 p3264 N91-28054 #
CONF-9103167-1 ..... 19 p3240 N91-27921 #
CONF-9103172-2 ..... 20 p3366 N91-28645 #
CONF-9103176-1 ..... 20 p3401 N91-28853 #
CONF-9103180-1 ..... 20 p3402 N91-28856 #
CONF-9103181-1 ..... 22 p3736 N91-30810 #

CONF-9103184-1 ..... 21 p3602 N91-30040 #
CONF-9103184-2-REV-1 ..... 21 p3601 N91-30039 #
CONF-9103186-1 ..... 21 p3578 N91-29898 #
CONF-9103193-1 ..... 24 p4108 N91-32961 #
CONF-9103194-1 ..... 24 p4021 N91-32473 #
CONF-9103196-1 ..... 23 p3938 N91-32010 #
CONF-9103197-1 ..... 24 p4122 N91-33040 #
CONF-9103198-1 ..... 24 p4072 N91-32750 #
CONF-9104106-2 ..... 17 p2807 N91-25520 #
CONF-9104106-5 ..... 18 p3007 N91-26604 #
CONF-9104109-1 ..... 11 p1797 N91-19860 #
CONF-9104109-2 ..... 13 p2117 N91-21656 #
CONF-9104109-3 ..... 14 p2258 N91-22493 #
CONF-9104111-1 ..... 11 p1719 N91-19465 #
CONF-9104111-2 ..... 20 p3358 N91-28600 #
CONF-9104123-1 ..... 11 p1727 N91-19510 #
CONF-9104123-2 ..... 14 p2281 N91-22616 #
CONF-9104139-1-SUMM ..... 10 p1613 N91-18903 #
CONF-9104158-1 ..... 11 p1776 N91-19744 #
CONF-9104158-2 ..... 20 p3384 N91-28749 #
CONF-9104158-3 ..... 20 p3385 N91-28753 #
CONF-9104158-4 ..... 21 p3565 N91-29815 #
CONF-9104158-5 ..... 21 p3562 N91-29798 #
CONF-9104158-6 ..... 23 p3916 N91-31870 #
CONF-9104161-3 ..... 11 p1708 N91-19406 #
CONF-9104162-1 ..... 10 p1507 N91-18292 #
CONF-9104163-1 ..... 10 p1558 N91-18565 #
CONF-9104163-2 ..... 10 p1557 N91-18564 #
CONF-9104163-3 ..... 15 p2468 N91-23674 #
CONF-9104163-6 ..... 18 p3016 N91-26656 #
CONF-9104164-1 ..... 11 p1793 N91-19835 #
CONF-9104164-3 ..... 20 p3350 N91-28551 #
CONF-9104164-4 ..... 18 p2991 N91-26517 #
CONF-9104164-5 ..... 20 p3350 N91-28556 #
CONF-9104164-6 ..... 24 p4024 N91-32487 #
CONF-9104164-7 ..... 24 p4096 N91-32885 #
CONF-9104166-2 ..... 11 p1779 N91-19757 #
CONF-9104168-1 ..... 11 p1777 N91-19745 #
CONF-9104171-1 ..... 11 p1644 N91-19065 #
CONF-9104171-2 ..... 11 p1643 N91-19064 #
CONF-9104171-3 ..... 12 p1830 N91-20059 #
CONF-9104171-4 ..... 10 p1505 N91-18285 #
CONF-9104171-5 ..... 12 p1832 N91-20066 #
CONF-9104171-6 ..... 14 p2189 N91-22094 #
CONF-9104171-7 ..... 15 p2365 N91-23085 #
CONF-9104173-1 ..... 11 p1777 N91-19747 #
CONF-9104173-2 ..... 14 p2310 N91-22763 #
CONF-9104174-1 ..... 15 p2401 N91-23295 #
CONF-9104187-1 ..... 15 p2507 N91-23893 #
CONF-9104187-2 ..... 17 p2783 N91-25403 #
CONF-9104187-3 ..... 20 p3416 N91-28944 #
CONF-9104190-1 ..... 13 p2070 N91-21402 #
CONF-9104192-1 ..... 13 p2047 N91-21265 #
CONF-9104192-3 ..... 18 p2991 N91-26515 #
CONF-9104192-4 ..... 18 p2992 N91-26524 #
CONF-9104192-5 ..... 20 p3350 N91-28554 #
CONF-9104192-6 ..... 20 p3419 N91-28959 #
CONF-9104192-7 ..... 20 p3401 N91-28852 #
CONF-9104192-8 ..... 20 p3350 N91-28555 #
CONF-9104192-9 ..... 20 p3339 N91-28493 #
CONF-9104192-12 ..... 21 p3522 N91-29563 #
CONF-9104192-14 ..... 23 p3879 N91-31642 #
CONF-9104193-1 ..... 14 p2291 N91-22671 #
CONF-9104194-1 ..... 13 p2105 N91-21585 #
CONF-9104195-1 ..... 13 p2095 N91-21535 #
CONF-9104198-1 ..... 15 p2416 N91-23382 #
CONF-9104201-1 ..... 20 p3358 N91-28601 #
CONF-9104201-2 ..... 24 p4097 N91-32893 #
CONF-9104202-2 ..... 16 p2630 N91-24563 #
CONF-9104202-3 ..... 17 p2873 N91-25893 #
CONF-9104202-4 ..... 18 p2986 N91-26486 #
CONF-9104203-1 ..... 15 p2431 N91-23464 #
CONF-9104203-2 ..... 20 p3405 N91-28877 #
CONF-9104203-3 ..... 21 p3580 N91-29915 #
CONF-9104206-1 ..... 15 p2405 N91-23315 #
CONF-9104206-3 ..... 20 p3322 N91-28394 #
CONF-9104207-1 ..... 16 p2655 N91-24691 #
CONF-9104210-1 ..... 15 p2512 N91-23919 #
CONF-9104210-2 ..... 17 p2868 N91-25866 #
CONF-9104211-1 ..... 17 p2784 N91-25408 #
CONF-9104214-1 ..... 17 p2736 N91-25150 #
CONF-9104218-1 ..... 17 p2888 N91-25966 #
CONF-9104224-1 ..... 17 p2760 N91-25279 #
CONF-9104226-1 ..... 18 p2986 N91-26489 #
CONF-9104231-1 ..... 18 p2944 N91-26241 #
CONF-9104231-2 ..... 20 p3348 N91-28542 #
CONF-9104232-1 ..... 20 p3286 N91-28173 #
CONF-9104234-1 ..... 20 p3424 N91-28992 #
CONF-9104234-2 ..... 18 p3075 N91-26991 #
CONF-9104234-3 ..... 20 p3424 N91-28991 #
CONF-9104235-1 ..... 17 p2888 N91-25970 #
CONF-9104236-1 ..... 20 p3424 N91-28990 #
CONF-9104238-2 ..... 21 p3570 N91-29850 #
CONF-9104240-1 ..... 18 p2934 N91-26187 #
CONF-9104241-1 ..... 18 p3067 N91-26943 #
CONF-9104241-3-REV-1 ..... 21 p3586 N91-29946 #
CONF-9104242-1 ..... 18 p3061 N91-26908 #
CONF-9104244-1 ..... 20 p3405 N91-28876 #
CONF-9104245-1 ..... 20 p3378 N91-28712 #
CONF-9104248-1 ..... 20 p3398 N91-28832 #
CONF-9104249-2 ..... 23 p3908 N91-31816 #
CONF-9104261-4 ..... 20 p3328 N91-28431 #
CONF-9104261-5 ..... 20 p3328 N91-28432 #
CONF-9104262-1 ..... 20 p3430 N91-29025 #
CONF-9104264-1 ..... 20 p3327 N91-28422 #
CONF-9104265-1 ..... 20 p3385 N91-28756 #
CONF-9104267-1 ..... 20 p3387 N91-28766 #
CONF-9104269-1-VUGRAPHS ..... 20 p3331 N91-28448 #
CONF-9104271-1 ..... 21 p3593 N91-29984 #
CONF-9104272-1 ..... 20 p3340 N91-28498 #
CONF-9104273-1 ..... 22 p3650 N91-30313 #
CONF-9104273-2 ..... 22 p3760 N91-30960 #
CONF-9104274-1 ..... 21 p3509 N91-29484 #
CONF-9104280-1 ..... 23 p3899 N91-31763 #
CONF-9104282-1 ..... 23 p3892 N91-31719 #
CONF-9104288-1 ..... 24 p4124 N91-33049 #
CONF-9105106-3 ..... 20 p3401 N91-28849 #
CONF-9105106-12 ..... 21 p3578 N91-29899 #
CONF-9105106-16 ..... 21 p3574 N91-29873 #
CONF-9105106-20 ..... 21 p3577 N91-29895 #
CONF-9105106-23 ..... 24 p4099 N91-32904 #
CONF-9105106-24 ..... 23 p3925 N91-31932 #
CONF-9105107-1 ..... 23 p3813 N91-31272 #
CONF-9105112-1 ..... 13 p2143 N91-21803 #
CONF-9105114-1 ..... 24 p4101 N91-32916 #
CONF-9105114-2 ..... 24 p4102 N91-32918 #
CONF-9105116 ..... 23 p3889 N91-31701 #
CONF-9105116-2 ..... 20 p3390 N91-28783 #
CONF-9105122-1 ..... 13 p2071 N91-21407 #
CONF-9105125-1 ..... 13 p2134 N91-21748 #
CONF-9105127-1 ..... 13 p2154 N91-21872 #
CONF-9105127-2 ..... 19 p3250 N91-27980 #
CONF-9105129-1 ..... 13 p2168 N91-21968 #
CONF-9105130-1 ..... 20 p3315 N91-28348 #
CONF-9105130-2 ..... 20 p3430 N91-29027 #
CONF-9105130-3 ..... 20 p3429 N91-29024 #
CONF-9105130-5 ..... 23 p3815 N91-31278 #
CONF-9105130-6 ..... 24 p4111 N91-32979 #
CONF-9105133-1 ..... 20 p3394 N91-28814 #
CONF-9105133-2 ..... 21 p3599 N91-30026 #
CONF-9105135-1 ..... 13 p2134 N91-21749 #
CONF-9105135-2 ..... 14 p2260 N91-22505 #
CONF-9105137-2 ..... 15 p2502 N91-23859 #
CONF-9105138-1 ..... 15 p2404 N91-23310 #
CONF-9105144-1 ..... 17 p2862 N91-25828 #
CONF-9105144-2 ..... 20 p3397 N91-28827 #
CONF-9105147-1 ..... 21 p3510 N91-29485 #
CONF-9105147-2 ..... 23 p3931 N91-31970 #
CONF-9105148-1 ..... 15 p2444 N91-23537 #
CONF-9105148-2 ..... 15 p2444 N91-23536 #
CONF-9105148-3 ..... 15 p2442 N91-23526 #
CONF-9105151-1 ..... 20 p3426 N91-29000 #
CONF-9105151-2 ..... 20 p3435 N91-29058 #
CONF-9105151-3 ..... 20 p3431 N91-29036 #
CONF-9105151-4 ..... 20 p3431 N91-29034 #
CONF-9105151-5 ..... 20 p3431 N91-29035 #
CONF-9105151-6 ..... 21 p3483 N91-29321 #
CONF-9105151-7 ..... 20 p3403 N91-28866 #
CONF-9105151-8 ..... 21 p3593 N91-29987 #
CONF-9105151-9 ..... 21 p3593 N91-29988 #
CONF-9105153-1 ..... 17 p2888 N91-25965 #
CONF-9105154-1 ..... 16 p2695 N91-24924 #
CONF-9105158-1 ..... 19 p3240 N91-27920 #
CONF-9105159-1 ..... 16 p2607 N91-24447 #
CONF-9105160-1 ..... 15 p2524 N91-23986 #
CONF-9105161-1 ..... 16 p2611 N91-24459 #
CONF-9105162-2 ..... 18 p3060 N91-26902 #
CONF-9105162-3 ..... 18 p2991 N91-26516 #
CONF-9105162-4 ..... 21 p3573 N91-29868 #
CONF-9105165-1 ..... 16 p2679 N91-24832 #
CONF-9105166-1 ..... 18 p2997 N91-26554 #
CONF-9105166-3 ..... 20 p3304 N91-28284 #
CONF-9105166-4 ..... 20 p3307 N91-28306 #
CONF-9105166-5 ..... 20 p3357 N91-28599 #
CONF-9105167-2 ..... 20 p3436 N91-29068 #
CONF-9105169-1 ..... 18 p3071 N91-26972 #
CONF-9105172-1 ..... 20 p3400 N91-28846 #
CONF-9105172-3 ..... 23 p3816 N91-31287 #
CONF-9105174-1 ..... 20 p3338 N91-28484 #
CONF-9105177-1 ..... 20 p3302 N91-28275 #
CONF-9105180-1 ..... 20 p3400 N91-28847 #
CONF-9105181-1 ..... 20 p3308 N91-28310 #
CONF-9105181-2 ..... 20 p3398 N91-28835 #
CONF-9105181-4-EXTD-ABST ..... 20 p3399 N91-28836 #
CONF-9105181-6 ..... 20 p3308 N91-28309 #
CONF-9105181-11-EXTD-ABST ..... 20 p3401 N91-28850 #
CONF-9105181-13 ..... 21 p3537 N91-29653 #
CONF-9105181-15 ..... 20 p3311 N91-28326 #
CONF-9105182-1 ..... 21 p3591 N91-29975 #
CONF-9105182-2 ..... 20 p3319 N91-28376 #
CONF-9105184-1 ..... 20 p3325 N91-28410 #
CONF-9105184-2 ..... 20 p3317 N91-28360 #

CONF-9105184-3 ..... 20 p3309 N91-28317 #
CONF-9105184-4 ..... 20 p3325 N91-28412 #
CONF-9105184-6 ..... 20 p3318 N91-28367 #
CONF-9105184-7 ..... 20 p3320 N91-28381 #
CONF-9105184-12 ..... 23 p3808 N91-31240 #
CONF-9105188-1 ..... 20 p3360 N91-28611 #
CONF-9105189-1 ..... 20 p3314 N91-28347 #
CONF-9105189-2 ..... 20 p3317 N91-28364 #
CONF-9105190-1 ..... 20 p3399 N91-28837 #
CONF-9105197-1 ..... 20 p3378 N91-28715 #
CONF-9105197-2 ..... 21 p3504 N91-29447 #
CONF-9105199-1 ..... 20 p3438 N91-29078 #
CONF-9105200-1 ..... 20 p3402 N91-28859 #
CONF-9105202-1 ..... 20 p3422 N91-28975 #
CONF-9105202-3 ..... 20 p3343 N91-28513 #
CONF-9105202-4 ..... 20 p3370 N91-28671 #
CONF-9105202-5 ..... 20 p3421 N91-28969 #
CONF-9105202-7 ..... 21 p3483 N91-29323 #
CONF-9105204-1 ..... 20 p3402 N91-28855 #
CONF-9105206-1 ..... 20 p3370 N91-28669 #
CONF-9105215-1 ..... 20 p3389 N91-28779 #
CONF-9105216-1 ..... 21 p3474 N91-29265 #
CONF-9105217-1 ..... 20 p3386 N91-28758 #
CONF-9105217-2 ..... 24 p4090 N91-32854 #
CONF-9105222-1 ..... 20 p3403 N91-28865 #
CONF-9105222-2 ..... 24 p4097 N91-32890 #
CONF-9105223-1 ..... 20 p3369 N91-28664 #
CONF-9105224-1 ..... 21 p3481 N91-29306 #
CONF-9105225-3 ..... 24 p4101 N91-32912 #
CONF-9105226-1 ..... 21 p3594 N91-29992 #
CONF-9105227-1 ..... 21 p3491 N91-29375 #
CONF-9105232-1 ..... 23 p3888 N91-31698 #
CONF-9105233-1 ..... 21 p3600 N91-30029 #
CONF-9105238-1 ..... 24 p4095 N91-32881 #
CONF-9105238-2 ..... 23 p3925 N91-31931 #
CONF-9105238-4 ..... 24 p4099 N91-32906 #
CONF-9105239-1 ..... 24 p4095 N91-32880 #
CONF-9105241-1 ..... 24 p4096 N91-32883 #
CONF-9105242-1 ..... 24 p4016 N91-32452 #
CONF-9105243-1 ..... 23 p3939 N91-32018 #
CONF-9105243-2 ..... 24 p4124 N91-33051 #
CONF-9106101-1-REV ..... 21 p3600 N91-30030 #
CONF-9106103-1 ..... 15 p2483 N91-23743 #
CONF-9106106-1 ..... 20 p3420 N91-28968 #
CONF-9106114-1 ..... 15 p2425 N91-23432 #
CONF-9106116-3 ..... 18 p3057 N91-26888 #
CONF-9106116-4 ..... 21 p3518 N91-29537 #
CONF-9106117-1 ..... 15 p2489 N91-23784 #
CONF-9106118-1 ..... 15 p2411 N91-23351 #
CONF-9106118-2 ..... 15 p2411 N91-23352 #
CONF-9106118-3 ..... 20 p3336 N91-28473 #
CONF-9106118-4 ..... 21 p3497 N91-29402 #
CONF-9106119-1 ..... 15 p2532 N91-24027 #
CONF-9106119-2 ..... 15 p2532 N91-24028 #
CONF-9106122-3 ..... 21 p3502 N91-29434 #
CONF-9106122-4 ..... 24 p4121 N91-33032 #
CONF-9106130-1 ..... 15 p2400 N91-23291 #
CONF-9106130-2 ..... 15 p2402 N91-23300 #
CONF-9106131-1 ..... 15 p2444 N91-23535 #
CONF-9106131-2 ..... 17 p2762 N91-25289 #
CONF-9106131-3-PT-1 ..... 16 p2636 N91-24592 #
CONF-9106131-4-PT-2 ..... 17 p2784 N91-25407 #
CONF-9106134-1 ..... 21 p3463 N91-29204 #
CONF-9106145-1 ..... 16 p2601 N91-24416 #
CONF-9106145-2 ..... 24 p3977 N91-32219 #
CONF-9106146-1 ..... 17 p2759 N91-25274 #
CONF-9106146-2 ..... 17 p2760 N91-25281 #
CONF-9106146-3 ..... 18 p2958 N91-26322 #
CONF-9106146-4 ..... 18 p3073 N91-26983 #
CONF-9106146-5 ..... 18 p2957 N91-26321 #
CONF-9106146-6 ..... 18 p2958 N91-26323 #
CONF-9106146-7 ..... 18 p2958 N91-26325 #
CONF-9106163-1 ..... 17 p2839 N91-25692 #
CONF-9106168-1 ..... 17 p2822 N91-25594 #
CONF-9106168-2 ..... 17 p2864 N91-25838 #
CONF-9106175-1 ..... 17 p2730 N91-25118 #
CONF-9106176-1 ..... 17 p2847 N91-25734 #
CONF-9106176-2 ..... 21 p3477 N91-29286 #
CONF-9106176-3 ..... 21 p3485 N91-29334 #
CONF-9106176-4 ..... 23 p3810 N91-31254 #
CONF-9106176-5 ..... 24 p3973 N91-32195 #
CONF-9106177-1 ..... 17 p2841 N91-25702 #
CONF-9106177-3 ..... 19 p3148 N91-27400 #
CONF-9106178-1 ..... 17 p2868 N91-25867 #
CONF-9106178-2 ..... 20 p3417 N91-28946 #
CONF-9106179-2 ..... 20 p3389 N91-28775 #
CONF-9106180-1 ..... 23 p3810 N91-31250 #
CONF-9106183-1 ..... 20 p3309 N91-28319 #
CONF-9106184-1 ..... 20 p3332 N91-28453 #
CONF-9106185-2 ..... 24 p4111 N91-32980 #
CONF-9106187-1 ..... 20 p3330 N91-28442 #
CONF-9106187-2 ..... 20 p3334 N91-28467 #
CONF-9106188-1 ..... 20 p3337 N91-28481 #
CONF-9106189-1 ..... 20 p3308 N91-28311 #
CONF-9106191-1 ..... 20 p3438 N91-29077 #
CONF-9106191-2 ..... 20 p3384 N91-28750 #
CONF-9106192-1 ..... 20 p3379 N91-28718 #
CONF-9106193-1 ..... 20 p3333 N91-28456 #
CONF-9106194-2 ..... 24 p4098 N91-32900 #
CONF-9106194-5 ..... 24 p4099 N91-32901 #
CONF-9106195-1 ..... 20 p3368 N91-28655 #
CONF-9106196-1 ..... 20 p3401 N91-28851 #
CONF-9106196-2 ..... 21 p3573 N91-29870 #
CONF-9106196-3 ..... 21 p3577 N91-29894 #
CONF-9106202-1 ..... 20 p3356 N91-28591 #
CONF-9106209-2 ..... 20 p3421 N91-28973 #
CONF-9106211-1 ..... 20 p3440 N91-29092 #
CONF-9106213-ABSTS ..... 20 p3369 N91-28663 #
CONF-9106214-1 ..... 20 p3349 N91-28550 #
CONF-9106222-1 ..... 21 p3513 N91-29505 #
CONF-9106222-2 ..... 20 p3346 N91-28528 #
CONF-9106222-3 ..... 21 p3517 N91-29530 #
CONF-9106222-6 ..... 24 p4017 N91-32457 #
CONF-9106222-8 ..... 24 p4019 N91-32467 #
CONF-9106224-1 ..... 20 p3340 N91-28501 #
CONF-9106225-1 ..... 20 p3380 N91-28725 #
CONF-9106226-1 ..... 20 p3446 N91-29125 #
CONF-9106229-1 ..... 21 p3480 N91-29301 #
CONF-9106231-1 ..... 21 p3483 N91-29322 #
CONF-9106231-2 ..... 23 p3928 N91-31948 #
CONF-9106235-3 ..... 21 p3578 N91-29902 #
CONF-9106236-1 ..... 21 p3593 N91-29990 #
CONF-9106238-1 ..... 21 p3517 N91-29528 #
CONF-9106241-1 ..... 21 p3481 N91-29307 #
CONF-9106241-2 ..... 24 p4111 N91-32978 #
CONF-9106244-1 ..... 22 p3651 N91-30317 #
CONF-9106244-2 ..... 21 p3599 N91-30028 #
CONF-9106249-1 ..... 23 p3810 N91-31252 #
CONF-9106253-1 ..... 23 p3819 N91-31303 #
CONF-9106254-1 ..... 23 p3898 N91-31756 #
CONF-9106255-1 ..... 23 p3822 N91-31320 #
CONF-9106256-1 ..... 24 p4095 N91-32882 #
CONF-9106260-1 ..... 24 p4099 N91-32905 #
CONF-9106262-1 ..... 24 p4093 N91-32867 #
CONF-9106266-1 ..... 24 p3964 N91-32151 #
CONF-9106267-1 ..... 24 p4043 N91-32589 #
CONF-9107104-1 ..... 18 p3007 N91-26606 #
CONF-9107104-4 ..... 20 p3309 N91-28318 #
CONF-9107104-5 ..... 21 p3542 N91-29681 #
CONF-9107104-9 ..... 21 p3540 N91-29667 #
CONF-9107104-12 ..... 21 p3545 N91-29695 #
CONF-9107105-3 ..... 20 p3308 N91-28313 #
CONF-9107105-6 ..... 20 p3361 N91-28617 #
CONF-9107105-7 ..... 20 p3310 N91-28324 #
CONF-9107105-8 ..... 20 p3287 N91-28174 #
CONF-9107105-9 ..... 20 p3310 N91-28325 #
CONF-9107105-10 ..... 20 p3360 N91-28613 #
CONF-9107105-11 ..... 20 p3429 N91-29023 #
CONF-9107105-12 ..... 20 p3361 N91-28618 #
CONF-9107105-13 ..... 20 p3326 N91-28420 #
CONF-9107105-14 ..... 20 p3330 N91-28443 #
CONF-9107105-15 ..... 20 p3349 N91-28545 #
CONF-9107105-16 ..... 20 p3361 N91-28621 #
CONF-9107105-17 ..... 21 p3530 N91-29612 #
CONF-9107105-19 ..... 20 p3351 N91-28562 #
CONF-9107105-20 ..... 20 p3287 N91-28177 #
CONF-9107105-22 ..... 20 p3331 N91-28447 #
CONF-9107105-23 ..... 20 p3362 N91-28625 #
CONF-9107105-24 ..... 20 p3318 N91-28365 #
CONF-9107105-25 ..... 20 p3363 N91-28628 #
CONF-9107105-27 ..... 20 p3363 N91-28631 #
CONF-9107105-28 ..... 20 p3352 N91-28567 #
CONF-9107105-30 ..... 20 p3329 N91-28439 #
CONF-9107105-32 ..... 20 p3364 N91-28634 #
CONF-9107105-33 ..... 21 p3463 N91-29203 #
CONF-9107105-34 ..... 20 p3364 N91-28635 #
CONF-9107105-35 ..... 21 p3480 N91-29302 #
CONF-9107105-36 ..... 21 p3531 N91-29619 #
CONF-9107105-37 ..... 20 p3364 N91-28633 #
CONF-9107105-38 ..... 21 p3533 N91-29632 #
CONF-9107105-39 ..... 21 p3519 N91-29542 #
CONF-9107105-40 ..... 20 p3364 N91-28636 #
CONF-9107105-42 ..... 21 p3518 N91-29540 #
CONF-9107105-43 ..... 20 p3287 N91-28179 #
CONF-9107105-44 ..... 21 p3480 N91-29304 #
CONF-9107105-45 ..... 21 p3465 N91-29213* #
CONF-9107105-46 ..... 20 p3364 N91-28637 #
CONF-9107105-49 ..... 23 p3820 N91-31309 #
CONF-9107105-50 ..... 24 p3980 N91-32233 #
CONF-9107106-1 ..... 21 p3536 N91-29645 #
CONF-9107106-2 ..... 21 p3599 N91-30027 #
CONF-9107113-1 ..... 20 p3326 N91-28418* #
CONF-9107114-1 ..... 20 p3375 N91-28700 #
CONF-9107114-3 ..... 21 p3537 N91-29654 #
CONF-9107115-1 ..... 21 p3518 N91-29538 #
CONF-9107115-2 ..... 22 p3754 N91-30927 #
CONF-9107115-3 ..... 20 p3433 N91-29048 #
CONF-9107115-5 ..... 21 p3497 N91-29406 #
CONF-9107115-7 ..... 21 p3601 N91-30035 #
CONF-9107115-8 ..... 21 p3600 N91-30034 #
CONF-9107115-9 ..... 21 p3539 N91-29663 #
CONF-9107115-10 ..... 21 p3491 N91-29374 #

CONF-9107115-11 ..... 21 p3554 N91-29747 #
CONF-9107115-13 ..... 21 p3510 N91-29486 #
CONF-9107115-14 ..... 23 p3867 N91-31572 #
CONF-9107115-16 ..... 23 p3873 N91-31602 #
CONF-9107115-17 ..... 24 p4007 N91-32407 #
CONF-9107115-19 ..... 24 p4022 N91-32478 #
CONF-9107115-20 ..... 23 p3874 N91-31610 #
CONF-9107115-21 ..... 24 p4101 N91-32917 #
CONF-9107115-22 ..... 24 p4022 N91-32479 #
CONF-9107115-23 ..... 23 p3878 N91-31639 #
CONF-9107115-24 ..... 24 p4101 N91-32915 #
CONF-9107115-25 ..... 23 p3879 N91-31640 #
CONF-9107115-27 ..... 24 p4087 N91-32835 #
CONF-9107115-28 ..... 24 p4021 N91-32475 #
CONF-9107115-30 ..... 24 p4023 N91-32483 #
CONF-9107115-31 ..... 24 p4102 N91-32919 #
CONF-9107115-33 ..... 24 p4112 N91-32983 #
CONF-9107115-39 ..... 24 p4024 N91-32491 #
CONF-9107115-40 ..... 24 p4025 N91-32492 #
CONF-9107115-41 ..... 24 p4103 N91-32928 #
CONF-9107128-1 ..... 24 p4097 N91-32892 #
CONF-9107131-1 ..... 20 p3389 N91-28778 #
CONF-9107135-1 ..... 21 p3600 N91-30033 #
CONF-9107136-4 ..... 24 p4073 N91-32756 #
CONF-9107138-1 ..... 21 p3464 N91-29208 #
CONF-9107139-1 ..... 21 p3540 N91-29666 #
CONF-9107141-1 ..... 21 p3564 N91-29809 #
CONF-9107142-1 ..... 21 p3545 N91-29696 #
CONF-9107143-1 ..... 23 p3931 N91-31968 #
CONF-9107143-2 ..... 24 p4113 N91-32989 #
CONF-9107144-1 ..... 21 p3564 N91-29810 #
CONF-9107146-1 ..... 23 p3931 N91-31971 #
CONF-9107149 ..... 23 p3889 N91-31703 #
CONF-9107155-1 ..... 24 p4099 N91-32903 #
CONF-9107157-1 ..... 23 p3807 N91-31238 #
CONF-9107158-1 ..... 24 p3976 N91-32214 #
CONF-9107160-1 ..... 24 p4113 N91-32992 #
CONF-9107163-1 ..... 24 p4072 N91-32752 #
CONF-9108100-2 ..... 21 p3602 N91-30043 #
CONF-9108108-1 ..... 24 p4009 N91-32418 #
CONF-9108109-1 ..... 21 p3603 N91-30046 #
CONF-9108110-1 ..... 21 p3483 N91-29320 #
CONF-9108111-1 ..... 21 p3483 N91-29325 #
CONF-9108113-1 ..... 21 p3604 N91-30057 #
CONF-9108115-1 ..... 21 p3509 N91-29482 #
CONF-9108117-1 ..... 23 p3887 N91-31694 #
CONF-9108118-1 ..... 24 p4023 N91-32484 #
CONF-9108118-2 ..... 24 p4025 N91-32493 #
CONF-9108121-1 ..... 24 p3989 N91-32289 #
CONF-9108126-1 ..... 24 p3966 N91-32157 #
CONF-9108127-1 ..... 24 p4016 N91-32453 #
CONF-9108128-1 ..... 24 p3973 N91-32194 #
CONF-9108143-1 ..... 24 p4112 N91-32986 #
CONF-9109108-1 ..... 21 p3589 N91-29962 #
CONF-9109108-2 ..... 21 p3501 N91-29433 #
CONF-9109108-3 ..... 21 p3589 N91-29967 #
CONF-9109108-4 ..... 23 p3929 N91-31958 #
CONF-9109108-5 ..... 23 p3929 N91-31955 #
CONF-9109108-6 ..... 24 p4105 N91-32938 #
CONF-9109121-1 ..... 24 p4093 N91-32870 #
CONF-9109135-1 ..... 20 p3387 N91-28768 #
CONF-9109137-1 ..... 20 p3390 N91-28781 #
CONF-9109156-1 ..... 22 p3643 N91-30272 #
CONF-9109159-1 ..... 22 p3643 N91-30273 #
CONF-9109167-1 ..... 20 p3331 N91-28450 #
CONF-9109190-1 ..... 20 p3440 N91-29091 #
CONF-9109201-1 ..... 23 p3890 N91-31711 #
CONF-9109208-1 ..... 23 p3933 N91-31980 #
CONF-9109208-2 ..... 24 p4111 N91-32976 #
CONF-9109226-1 ..... 23 p3803 N91-31211 #
CONF-9109226-3 ..... 23 p3927 N91-31945 #
CONF-9109226-4 ..... 23 p3926 N91-31940 #
CONF-9109226-5 ..... 24 p4022 N91-32480 #
CONF-9109226-6 ..... 24 p3964 N91-32150 #
CONF-9109226-7 ..... 23 p3805 N91-31221 #
CONF-9109226-8 ..... 24 p3967 N91-32160 #
CONF-9109227-1 ..... 24 p4091 N91-32858 #
CONF-9109228-1 ..... 23 p3856 N91-31500 #
CONF-9109229-1 ..... 24 p3970 N91-32179 #
CONF-9109230-1 ..... 24 p3972 N91-32189 #
CONF-9109230-2 ..... 24 p4007 N91-32406 #
CONF-9109230-3 ..... 24 p4091 N91-32855 #
CONF-9109232-1 ..... 24 p4102 N91-32921 #
CONF-9109233-1 ..... 24 p4026 N91-32501 #
CONF-9109233-2 ..... 24 p4027 N91-32502 #
CONF-9109235-1 ..... 24 p4006 N91-32400 #
CONF-9109236-1 ..... 24 p4026 N91-32500 #
CONF-9109242-1 ..... 24 p4100 N91-32911 #
CONF-9109243-1 ..... 24 p4027 N91-32505 #
CONF-9109248-1 ..... 24 p4091 N91-32856 #
CONF-9109249-1 ..... 24 p4043 N91-32590 #
CONF-9110103-1 ..... 23 p3814 N91-31274 #
CONF-9110123-1 ..... 23 p3908 N91-31815 #
CONF-9110125-1 ..... 23 p3916 N91-31868 #
CONF-9110125-2 ..... 23 p3916 N91-31869 #
CONF-9110159-1 ..... 23 p3855 N91-31490 #
CONF-9110161-2 ..... 23 p3891 N91-31717 #
CONF-9110161-3 ..... 23 p3892 N91-31718 #
CONF-9110161-4 ..... 23 p3896 N91-31748 #
CONF-9110161-5 ..... 23 p3896 N91-31749 #
CONF-9110164-1 ..... 23 p3821 N91-31315 #
CONF-9110169-1 ..... 24 p4041 N91-32582 #
CONF-9110171-1 ..... 23 p3934 N91-31988 #
CONF-9110171-2 ..... 24 p4115 N91-33002 #
CONF-9110173-1 ..... 24 p4088 N91-32842 #

CONTRIB-1272 ..... 19 p3206 N91-27721 #
CONTRIB-1277 ..... 21 p3546 N91-29705 #
CONTRIB-4686 ..... 14 p2346 N91-22972* #

COO-2271-113 ..... 21 p3579 N91-29904 #
COO-2271-114 ..... 21 p3579 N91-29905 #
COO-4974-13 ..... 20 p3402 N91-28857 #

CPIA-PUBL-529-VOL-2 ..... 09 p1298 N91-17125 #
CPIA-PUBL-550-VOL-1 ..... 16 p2575 N91-24273 #
CPIA-PUBL-550-VOL-2 ..... 16 p2568 N91-24233 #
CPIA-PUBL-551 ..... 17 p2772 N91-25336 #

CPL-86-7 ..... 06 p0885 N91-14889 #

CPS-90-020 ..... 04 p0588 N91-13281 #

CPSS-0990-1 ..... 08 p1237 N91-16818 #
CPSS-1290-01 ..... 15 p2517 N91-23951 #

CR-R-90026 ..... 20 p3281 N91-28146 #

CRANFIELD-AERO-8903 ..... 12 p1844 N91-20135 #
CRANFIELD-AERO-8907 ..... 12 p1972 N91-20847 #
CRANFIELD-AERO-8911 ..... 12 p1830 N91-20057 #
CRANFIELD-AERO-9002 ..... 15 p2374 N91-23140 #
CRANFIELD-AERO-9003 ..... 12 p1879 N91-20326 #
CRANFIELD-AERO-9004 ..... 15 p2366 N91-23092 #
CRANFIELD-AERO-9005 ..... 15 p2427 N91-23443 #
CRANFIELD-AERO-9008 ..... 12 p1830 N91-20058 #
CRANFIELD-AERO-9009 ..... 12 p1844 N91-20136 #
CRANFIELD-AERO-9012 ..... 15 p2427 N91-23444 #
CRANFIELD-AERO-9013 ..... 12 p1899 N91-20443 #
CRANFIELD-AERO-9014 ..... 12 p1844 N91-20137 #
CRANFIELD-AERO-9106 ..... 22 p3721 N91-30711 #
CRANFIELD-AERO-9108 ..... 24 p4077 N91-32772 #

CRC-APRAC-AP-9-A ..... 21 p3539 N91-29661 #

CRC-W7714-7-5271 ..... 23 p3854 N91-31485

CRC-569 ..... 08 p1123 N91-16171 #
CRC-573 ..... 18 p2926 N91-26144 #
CRC-1432 ..... 12 p1881 N91-20340 #

CRDEC-CR-075 ..... 02 p0276 N91-11552 #
CRDEC-CR-084 ..... 12 p1865 N91-20244 #
CRDEC-CR-105 ..... 22 p3648 N91-30301 #

CRDEC-TN-013 ..... 03 p0366 N91-12053 #

CRDEC-TR-168 ..... 08 p1110 N91-16097 #
CRDEC-TR-183 ..... 04 p0501 N91-12782 #
CRDEC-TR-218 ..... 08 p1122 N91-16169 #
CRDEC-TR-221 ..... 09 p1332 N91-17317 #
CRDEC-TR-251 ..... 14 p2239 N91-22387 #
CRDEC-TR-254 ..... 19 p3137 N91-27333 #
CRDEC-TR-278 ..... 21 p3551 N91-29734 #

CRHC-91-16 ..... 20 p3384 N91-28747* #
CRHC-91-17 ..... 16 p2672 N91-24789* #
CRHC-91-19 ..... 15 p2482 N91-23739* #
CRHC-91-20 ..... 15 p2482 N91-23738* #
CRHC-91-21 ..... 21 p3561 N91-29790 #
CRHC-91-22 ..... 21 p3557 N91-29769* #

CRIE-T-89029 ..... 09 p1328 N91-17295 #
CRIE-T-89030 ..... 09 p1328 N91-17296 #
CRIE-T-89031 ..... 10 p1516 N91-18349 #
CRIE-T-89035 ..... 09 p1412 N91-17770 #
CRIE-T-89036 ..... 09 p1341 N91-17367 #
CRIE-T-89038 ..... 10 p1542 N91-18488 #
CRIE-T-89039 ..... 09 p1360 N91-17477 #
CRIE-T-89040 ..... 10 p1536 N91-18454 #
CRIE-T-89046 ..... 10 p1520 N91-18370 #
CRIE-T-89048 ..... 11 p1739 N91-19561 #
CRIE-T-89050 ..... 09 p1341 N91-17368 #
CRIE-T-89051 ..... 10 p1609 N91-18880 #
CRIE-T-89052 ..... 09 p1342 N91-17369 #
CRIE-T-89054 ..... 09 p1328 N91-17297 #
CRIE-T-89055 ..... 10 p1520 N91-18369 #
CRIE-T-89058 ..... 10 p1520 N91-18368 #
CRIE-T-89059 ..... 15 p2438 N91-23506 #
CRIE-T-89065 ..... 10 p1513 N91-18331 #
CRIE-T-89066 ..... 10 p1558 N91-18566 #
CRIE-T-89067 ..... 16 p2619 N91-24498 #

CRIE-T-89074 ..... 15 p2417 N91-23385 #
CRIE-T-89080 ..... 10 p1517 N91-18350 #

CRIE-U-88029 ..... 11 p1703 N91-19380 #

CRIE-W-89011 ..... 01 p0064 N91-10386 #
CRIE-W-89028 ..... 09 p1355 N91-17442 #
CRIE-W-89032 ..... 10 p1539 N91-18469 #
CRIE-W-89052 ..... 13 p2153 N91-21866 #

CRIE-Y-90002 ..... 02 p0231 N91-11292 #

CRIF-MT-180 ..... 24 p4026 N91-32496 #

CRINC-RSL-TR-4191-13 ..... 11 p1696 N91-19340 #

CRL-MCCS-91-224 ..... 21 p3565 N91-29818 #

CRREL-MONOGRAPH-90-4 ..... 16 p2625 N91-24534 #

CRREL-SP-90-34 ..... 12 p1916 N91-20540 #

CRREL-SR-90-16 ..... 03 p0337 N91-11886 #
CRREL-SR-90-23 ..... 04 p0527 N91-12918 #
CRREL-SR-90-42 ..... 15 p2398 N91-23280 #
CRREL-SR-90-44 ..... 16 p2651 N91-24672 #
CRREL-SR-91-2 ..... 19 p3205 N91-27717 #
CRREL-SR-91-5 ..... 18 p2971 N91-26402 #
CRREL-SR-91-10 ..... 19 p3186 N91-27621 #

CRREL-TD-90-1 ..... 18 p2962 N91-26348 #
CRREL-TD-91-2 ..... 19 p3144 N91-27378 #

CRREL-89-19 ..... 03 p0385 N91-12144 #
CRREL-90-3 ..... 08 p1142 N91-16286 #
CRREL-90-3 ..... 14 p2198 N91-22138 #
CRREL-90-6 ..... 05 p0625 N91-13465 #
CRREL-90-10 ..... 09 p1321 N91-17253 #
CRREL-90-11 ..... 13 p2073 N91-21418 #
CRREL-91-2 ..... 18 p3014 N91-26644 #
CRREL-91-7 ..... 21 p3462 N91-29198 #
CRREL-91-9 ..... 21 p3534 N91-29639 #

CS-TR-2158 ..... 01 p0105 N91-10608* #
CS-TR-2388 ..... 06 p0866 N91-14786 #
CS-TR-2408 ..... 07 p1055 N91-15795 #
CS-TR-2424 ..... 03 p0428 N91-12396 #
CS-TR-2426 ..... 06 p0863 N91-14771 #
CS-TR-2436 ..... 15 p2486 N91-23765 #
CS-TR-2437 ..... 07 p1052 N91-15779 #
CS-TR-2447 ..... 15 p2524 N91-23992 #
CS-TR-2450 ..... 06 p0861 N91-14757 #
CS-TR-2531 ..... 15 p2525 N91-23993 #
CS-TR-2562 ..... 14 p2305 N91-22735 #
CS-TR-2606 ..... 14 p2303 N91-22721* #
CS-TR-2615 ..... 16 p2679 N91-24830 #
CS-TR-2639 ..... 18 p3055 N91-26874 #

CS-8906 ..... 23 p3909 N91-31823 #
CS-9001 ..... 02 p0261 N91-11460 #
CS-9005 ..... 02 p0262 N91-11461 #
CS-9007 ..... 10 p1574 N91-18661 #
CS-9008 ..... 10 p1585 N91-18736 #
CS-9009 ..... 14 p2309 N91-22758 #
CS-9010 ..... 14 p2341 N91-22945 #
CS-9011 ..... 14 p2309 N91-22759 #
CS-9101 ..... 23 p3909 N91-31821 #
CS-9102 ..... 23 p3909 N91-31822 #
CS-9103 ..... 23 p3919 N91-31893 #
CS-9104 ..... 23 p3920 N91-31894 #
CS-9105 ..... 23 p3909 N91-31823 #

CSD-TR-960 ..... 08 p1201 N91-16605 #
CSD-TR-975 ..... 09 p1390 N91-17649 #
CSD-TR-1015 ..... 07 p1060 N91-15831 #
CSD-TR-1023 ..... 22 p3743 N91-30855 #

CSDG-88-3 ..... 10 p1569 N91-18631* #
CSDG-89-2 ..... 11 p1775 N91-19732* #

CSDL-R-1582 ..... 21 p3464 N91-29211* #

CSDL-T-1053 ..... 01 p0017 N91-10102* #
CSDL-T-1083 ..... 19 p3173 N91-27540* #
CSDL-T-1086 ..... 23 p3802 N91-31205 #

CSL-90-2 ..... 12 p1996 N91-20986 #
CSL-90-4 ..... 13 p2074 N91-21425 #
CSL-90-9 ..... 19 p3231 N91-27863* #

CSM-MT-CWR-090-012 ..... 03 p0335 N91-11879 #
CSM-MT-CWR-091-006 ..... 16 p2635 N91-24588 #

CSM-R-84/86 ..... 09 p1365 N91-17504 #

CSR-89-3 ..... 05 p0626 N91-13470* #
CSR-90-36 ..... 06 p0861 N91-14754 #
CSR-90-38 ..... 06 p0865 N91-14783 #

CSTB-2-89-003-4 ..... 24 p4094 N91-32871 #

CTN-90-001 ..... 10 p1614 N91-18908 #
CTN-90-013 ..... 10 p1614 N91-18907 #
CTN-91-60005 ..... 21 p3461 N91-29195 #
CTN-91-60006 ..... 21 p3452 N91-29144 #
CTN-91-60007 ..... 21 p3461 N91-29196 #
CTN-91-60008 ..... 21 p3495 N91-29394 #
CTN-91-60011 ..... 21 p3478 N91-29288 #
CTN-91-60012 ..... 21 p3607 N91-30071 #
CTN-91-60013 ..... 21 p3608 N91-30072 #
CTN-91-60015 ..... 21 p3517 N91-29533 #
CTN-91-60016 ..... 21 p3562 N91-29799 #
CTN-91-60018 ..... 21 p3510 N91-29490 #
CTN-91-60021 ..... 21 p3517 N91-29534 #
CTN-91-60022 ..... 21 p3494 N91-29388 #
CTN-91-60023 ..... 21 p3553 N91-29742 #
CTN-91-60024 ..... 21 p3455 N91-29165 #
CTN-91-60025 ..... 21 p3469 N91-29236 #
CTN-91-60026 ..... 23 p3788 N91-31125 #
CTN-91-60027 ..... 21 p3537 N91-29651 #
CTN-91-60028 ..... 21 p3518 N91-29535 #
CTN-91-60029 ..... 21 p3456 N91-29166 #
CTN-91-60030 ..... 21 p3454 N91-29158 #
CTN-91-60033 ..... 21 p3529 N91-29604 #
CTN-91-60034 ..... 21 p3458 N91-29178 #
CTN-91-60036 ..... 21 p3553 N91-29743 #
CTN-91-60039 ..... 21 p3458 N91-29179 #
CTN-91-60042 ..... 21 p3562 N91-29800 #
CTN-91-60047 ..... 21 p3553 N91-29744 #
CTN-91-60061 ..... 21 p3456 N91-29167 #
CTN-91-60073 ..... 21 p3530 N91-29611 #
CTN-91-60074 ..... 21 p3495 N91-29395 #
CTN-91-60075 ..... 21 p3496 N91-29396 #
CTN-91-60076 ..... 21 p3496 N91-29397 #
CTN-91-60078 ..... 21 p3496 N91-29398 #
CTN-91-60080 ..... 21 p3460 N91-29189 #
CTN-91-60081 ..... 21 p3469 N91-29237 #
CTN-91-60082 ..... 21 p3456 N91-29168 #
CTN-91-60083 ..... 21 p3451 N91-29139 #
CTN-91-60091 ..... 21 p3478 N91-29289 #
CTN-91-60098 ..... 21 p3564 N91-29811 #
CTN-91-60099 ..... 21 p3458 N91-29180 #
CTN-91-60100 ..... 21 p3460 N91-29190 #
CTN-91-60102 ..... 21 p3456 N91-29169* #
CTN-91-60103 ..... 21 p3454 N91-29159 #
CTN-91-60104 ..... 21 p3472 N91-29258 #
CTN-91-60105 ..... 21 p3451 N91-29140 #
CTN-91-60115 ..... 21 p3535 N91-29642 #
CTN-91-60124 ..... 21 p3455 N91-29160 #
CTN-91-60126 ..... 22 p3750 N91-30904
CTN-91-60127 ..... 22 p3750 N91-30905
CTN-91-60128 ..... 22 p3720 N91-30704
CTN-91-60129 ..... 23 p3852 N91-31478
CTN-91-60131 ..... 23 p3797 N91-31182
CTN-91-60133 ..... 23 p3858 N91-31511
CTN-91-60134 ..... 23 p3858 N91-31512
CTN-91-60135 ..... 23 p3788 N91-31126
CTN-91-60136 ..... 23 p3796 N91-31174
CTN-91-60137 ..... 23 p3796 N91-31175
CTN-91-60138 ..... 23 p3796 N91-31176
CTN-91-60139 ..... 23 p3805 N91-31224
CTN-91-60140 ..... 23 p3813 N91-31268
CTN-91-60143 ..... 23 p3853 N91-31479
CTN-91-60144 ..... 23 p3785 N91-31107
CTN-91-60145 ..... 23 p3813 N91-31269
CTN-91-60147 ..... 23 p3817 N91-31294
CTN-91-60151 ..... 23 p3797 N91-31177
CTN-91-60153 ..... 23 p3802 N91-31206
CTN-91-60154 ..... 23 p3858 N91-31513
CTN-91-60155 ..... 23 p3872 N91-31598
CTN-91-60156 ..... 23 p3872 N91-31599
CTN-91-60158 ..... 23 p3853 N91-31480
CTN-91-60159 ..... 23 p3853 N91-31481
CTN-91-60160 ..... 23 p3791 N91-31142
CTN-91-60161 ..... 23 p3858 N91-31514
CTN-91-60162 ..... 23 p3882 N91-31660
CTN-91-60164 ..... 23 p3789 N91-31127
CTN-91-60165 ..... 23 p3813 N91-31270
CTN-91-60168 ..... 23 p3785 N91-31108
CTN-91-60169 ..... 23 p3813 N91-31271
CTN-91-60170 ..... 23 p3887 N91-31693
CTN-91-60171 ..... 23 p3787 N91-31115
CTN-91-60172 ..... 23 p3927 N91-31946
CTN-91-60173 ..... 23 p3787 N91-31116
CTN-91-60174 ..... 23 p3802 N91-31207
CTN-91-60175 ..... 23 p3872 N91-31600
CTN-91-60176 ..... 22 p3616 N91-30118
CTN-91-60177 ..... 22 p3669 N91-30428
CTN-91-60178 ..... 23 p3853 N91-31482
CTN-91-60179 ..... 23 p3853 N91-31483
CTN-91-60180 ..... 22 p3754 N91-30925
CTN-91-60181 ..... 22 p3651 N91-30316

CTN-91-60183	22	p3645	N91-30283	
CTN-91-60184	22	p3645	N91-30284	
CTN-91-60191	22	p3663	N91-30391	
CTN-91-60192	22	p3654	N91-30335	
CTN-91-60194	22	p3694	N91-30564	
CTN-91-60195	22	p3612	N91-30091	
CTN-91-60196	22	p3707	N91-30631	
CTN-91-60197	23	p3905	N91-31801	
CTN-91-60199	23	p3853	N91-31484	
CTN-91-60200	23	p3923	N91-31922	
CTN-91-60201	23	p3801	N91-31199	
CTN-91-60202	22	p3676	N91-30470	
CTN-91-60203	23	p3854	N91-31485	
CTN-91-60204	23	p3854	N91-31486	
CTN-91-60205	22	p3654	N91-30336	
CTN-91-60206	22	p3654	N91-30337	
CTN-91-60207	22	p3615	N91-30111	
CTN-91-60208	22	p3720	N91-30705	
CTN-91-60209	22	p3615	N91-30112	
CTN-91-60210	22	p3707	N91-30632	
CTN-91-60211	22	p3707	N91-30633	
CTN-91-60212	22	p3720	N91-30706	
CTN-91-60213	22	p3720	N91-30707	
CTN-91-60214	23	p3859	N91-31515	
CTN-91-60215	22	p3669	N91-30429	
CTN-91-60216	23	p3817	N91-31295	
CTN-91-60217	22	p3751	N91-30906	
CTN-91-60218	22	p3624	N91-30160	
CTR-R-1-90-PHASE-1	09	p1285	N91-17065*	#
CTR-121-01	04	p0515	N91-12861	#
CTS-19-90	21	p3570	N91-29849	#
CU-CS-489-90	18	p3039	N91-26777	#
CU-CS-491-90	18	p3040	N91-26778	#
CU-CS-516-91	16	p2671	N91-24781	#
CU-CSD-TR-91-1190	19	p3219	N91-27790	#
CU-CSSC-90-17	05	p0628	N91-13480*	#
CU-CSSC-90-26	05	p0676	N91-13759*	#
CU-CSSC-90-27	05	p0676	N91-13760*	#
CU-CSSC-91-4	13	p2131	N91-21730*	#
CU-CSSC-91-5	13	p2131	N91-21731*	#
CU-CSSC-91-6	13	p2131	N91-21729*	#
CU-153-0638	23	p3901	N91-31773	#
CU-153-1200	08	p1155	N91-16363	#
CU-1531940	08	p1187	N91-16526	#
CU/CSO-TR-90-1138	06	p0857	N91-14732*	#
CVD-TR-9081	21	p3583	N91-29935*	#
CWI-AM-R8923	02	p0259	N91-11438	#
CWI-AM-R8924-PT-1	02	p0259	N91-11439	#
CWI-AM-R9001	02	p0259	N91-11440	#
CWI-AM-R9002-PT-3	02	p0259	N91-11441	#
CWI-AM-R9003	02	p0259	N91-11442	#
CWI-AM-R9005	03	p0411	N91-12296	#
CWI-AM-R9006-PT-2	10	p1582	N91-18712	#
CWI-AM-R9007	03	p0411	N91-12297	#
CWI-AM-R9008	03	p0402	N91-12238	#
CWI-AM-R9009	03	p0411	N91-12298	#
CWI-AM-R9010	03	p0412	N91-12305	#
CWI-AM-R9011	10	p1582	N91-18713	#
CWI-AM-R9012	10	p1582	N91-18714	#
CWI-AM-R9013	10	p1582	N91-18715	#
CWI-AM-R9014	17	p2832	N91-25648	#
CWI-AM-R9015	10	p1582	N91-18716	#
CWI-AM-R9016	10	p1583	N91-18717	#
CWI-AM-R9018	17	p2843	N91-25709	#
CWI-AM-R9019	17	p2843	N91-25710	#
CWI-AM-R9020	17	p2843	N91-25711	#
CWI-AM-R9021	17	p2843	N91-25712	#
CWI-AM-R9022	17	p2843	N91-25713	#
CWI-BS-R8924	02	p0259	N91-11443	#
CWI-BS-R8925	02	p0259	N91-11444	#
CWI-BS-R8926	02	p0263	N91-11475	#
CWI-BS-R8927	02	p0264	N91-11476	#
CWI-BS-R8928	02	p0264	N91-11477	#
CWI-BS-R8929	02	p0208	N91-11166	#
CWI-BS-R8930	03	p0411	N91-12299	#
CWI-BS-R8931	02	p0256	N91-11426	#
CWI-BS-R8932	01	p0109	N91-10635	#
CWI-BS-R8933	02	p0260	N91-11445	#
CWI-BS-R8934	02	p0265	N91-11483	#
CWI-BS-R9001	02	p0252	N91-11398	#
CWI-BS-R9002	02	p0260	N91-11446	#
CWI-BS-R9004	04	p0571	N91-13173	#
CWI-BS-R9005	04	p0572	N91-13174	#
CWI-BS-R9006	04	p0572	N91-13175	#
CWI-BS-R9007	04	p0533	N91-12958	#
CWI-BS-R9008	03	p0402	N91-12239	#
CWI-BS-R9009	17	p2849	N91-25751	#
CWI-BS-R9010	03	p0403	N91-12240	#
CWI-BS-R9011	03	p0403	N91-12241	#
CWI-BS-R9012	10	p1583	N91-18718	#
CWI-BS-R9013	10	p1583	N91-18719	#
CWI-BS-R9014	10	p1583	N91-18720	#
CWI-BS-R9015	10	p1583	N91-18721	#
CWI-BS-R9016	10	p1589	N91-18758	#
CWI-BS-R9017	10	p1589	N91-18759	#
CWI-BS-R9018	10	p1578	N91-18684	#
CWI-BS-R9019-PT-1	10	p1587	N91-18747	#
CWI-BS-R9020-PT-2	10	p1587	N91-18748	#
CWI-BS-R9021	17	p2848	N91-25742	#
CWI-BS-R9022	17	p2843	N91-25714	#
CWI-BS-R9023	17	p2848	N91-25743	#
CWI-BS-R9024	17	p2850	N91-25752	#
CWI-BS-R9025	17	p2844	N91-25715	#
CWI-BS-R9026	17	p2850	N91-25753	#
CWI-BS-R9027	17	p2848	N91-25744	#
CWI-BS-R9028	17	p2844	N91-25716	#
CWI-BS-R9029-PT-1	17	p2848	N91-25745	#
CWI-BS-R9030	17	p2850	N91-25754	#
CWI-BS-R9031	17	p2848	N91-25746	#
CWI-BS-R9032	17	p2844	N91-25717	#
CWI-BS-R9036	17	p2849	N91-25747	#
CWI-CS-R8942	03	p0403	N91-12242	#
CWI-CS-R8943	03	p0407	N91-12272	#
CWI-CS-R8944	03	p0403	N91-12243	#
CWI-CS-R8945	03	p0407	N91-12273	#
CWI-CS-R8946	03	p0407	N91-12274	#
CWI-CS-R8947	03	p0407	N91-12275	#
CWI-CS-R8948	03	p0408	N91-12276	#
CWI-CS-R8949	03	p0411	N91-12300	#
CWI-CS-R8950	03	p0403	N91-12244	#
CWI-CS-R8951	03	p0403	N91-12245	#
CWI-CS-R8952	03	p0403	N91-12246	#
CWI-CS-R8953	03	p0404	N91-12247	#
CWI-CS-R8954	03	p0404	N91-12248	#
CWI-CS-R8955	03	p0412	N91-12301	#
CWI-CS-R8956	03	p0404	N91-12249	#
CWI-CS-R8957	03	p0404	N91-12250	#
CWI-CS-R8958	03	p0404	N91-12251	#
CWI-CS-R8959	03	p0404	N91-12252	#
CWI-CS-R8960	03	p0398	N91-12209	#
CWI-CS-R9001	03	p0412	N91-12302	#
CWI-CS-R9002	03	p0408	N91-12277	#
CWI-CS-R9003	03	p0405	N91-12253	#
CWI-CS-R9004	07	p1050	N91-15766	#
CWI-CS-R9005	07	p1057	N91-15806	#
CWI-CS-R9006	07	p1051	N91-15767	#
CWI-CS-R9007	07	p1057	N91-15807	#
CWI-CS-R9009	08	p1200	N91-16597	#
CWI-CS-R9011	07	p1057	N91-15808	#
CWI-CS-R9012	10	p1572	N91-18647	#
CWI-CS-R9015	07	p1053	N91-15785	#
CWI-CS-R9016	07	p1053	N91-15786	#
CWI-CS-R9017	10	p1581	N91-18708	#
CWI-CS-R9018	10	p1572	N91-18648	#
CWI-CS-R9019	10	p1572	N91-18649	#
CWI-CS-R9020	10	p1587	N91-18746	#
CWI-CS-R9021	10	p1572	N91-18650	#
CWI-CS-R9022	17	p2832	N91-25649	#
CWI-CS-R9023	10	p1579	N91-18689	#
CWI-CS-R9024	10	p1573	N91-18651	#
CWI-CS-R9025	10	p1573	N91-18652	#
CWI-CS-R9026	10	p1573	N91-18653	#
CWI-CS-R9027	10	p1573	N91-18654	#
CWI-CS-R9028-REV	10	p1581	N91-18709	#
CWI-CS-R9029	10	p1586	N91-18741	#
CWI-CS-R9030	10	p1582	N91-18710	#
CWI-CS-R9031	10	p1582	N91-18711	#
CWI-CS-R9032	10	p1573	N91-18655	#
CWI-CS-R9033	10	p1574	N91-18656	#
CWI-CS-R9034	17	p2844	N91-25719	#
CWI-CS-R9036	17	p2838	N91-25688	#
CWI-CS-R9037	17	p2832	N91-25650	#
CWI-CS-R9038	17	p2833	N91-25651	#
CWI-CS-R9039	17	p2833	N91-25652	#
CWI-CS-R9040	17	p2839	N91-25689	#
CWI-CS-R9041	17	p2844	N91-25720	#
CWI-CS-R9042	17	p2844	N91-25721	#
CWI-CS-R9043	17	p2833	N91-25653	#
CWI-CS-R9044	17	p2769	N91-25325	#
CWI-CS-R9045	17	p2833	N91-25654	#
CWI-CS-R9046	17	p2833	N91-25655	#
CWI-CS-R9047	17	p2779	N91-25383	#
CWI-CS-R9048	17	p2833	N91-25656	#
CWI-CS-R9049	17	p2833	N91-25657	#
CWI-CS-R9050	17	p2833	N91-25658	#
CWI-CS-R9051	17	p2834	N91-25659	#
CWI-CS-R9052	17	p2834	N91-25660	#
CWI-CS-R9053	17	p2845	N91-25722	#
CWI-CS-R9054	17	p2834	N91-25661	#
CWI-CS-R9055	17	p2834	N91-25662	#

CWI-CS-R9056 ..... 17 p2834 N91-25663 #
CWI-CS-R9057 ..... 17 p2835 N91-25664 #
CWI-CS-R9058 ..... 17 p2849 N91-25748 #
CWI-CS-R9059 ..... 17 p2840 N91-25697 #
CWI-CS-R9060 ..... 17 p2840 N91-25698 #
CWI-CS-R9061 ..... 17 p2845 N91-25723 #
CWI-CS-R9062 ..... 17 p2845 N91-25724 #
CWI-CS-R9063 ..... 17 p2835 N91-25665 #
CWI-CS-R9064 ..... 17 p2835 N91-25666 #
CWI-CS-R9065 ..... 17 p2835 N91-25667 #
CWI-CS-R9066 ..... 17 p2835 N91-25668 #
CWI-CS-R9067 ..... 17 p2835 N91-25669 #
CWI-CS-R9068 ..... 17 p2845 N91-25725 #
CWI-CS-R9069 ..... 17 p2845 N91-25726 #
CWI-CS-R9070 ..... 17 p2841 N91-25699 #
CWI-CS-R9071 ..... 17 p2835 N91-25670 #
CWI-CS-R9072 ..... 17 p2836 N91-25671 #
CWI-CS-R9073 ..... 17 p2836 N91-25672 #
CWI-CS-R9074 ..... 17 p2836 N91-25673 #
CWI-CS-R9075 ..... 17 p2836 N91-25674 #

CWI-NM-R8911 ..... 02 p0260 N91-11450 #
CWI-NM-R8915 ..... 02 p0252 N91-11399 #
CWI-NM-R8916 ..... 02 p0209 N91-11167 #
CWI-NM-R8917 ..... 02 p0276 N91-11553 #
CWI-NM-R8918 ..... 02 p0257 N91-11427 #
CWI-NM-R8920 ..... 02 p0260 N91-11447 #
CWI-NM-R8921 ..... 02 p0260 N91-11448 #
CWI-NM-R8922 ..... 02 p0156 N91-10905 #
CWI-NM-R8923 ..... 02 p0260 N91-11449 #
CWI-NM-R8924 ..... 02 p0260 N91-11450 #
CWI-NM-R9001 ..... 02 p0257 N91-11428 #
CWI-NM-R9002 ..... 02 p0260 N91-11451 #
CWI-NM-R9003 ..... 02 p0276 N91-11554 #
CWI-NM-R9004 ..... 03 p0411 N91-12294 #
CWI-NM-R9005 ..... 03 p0412 N91-12304 #
CWI-NM-R9006 ..... 03 p0411 N91-12295 #
CWI-NM-R9007 ..... 10 p1583 N91-18722 #
CWI-NM-R9008 ..... 10 p1583 N91-18723 #
CWI-NM-R9009 ..... 10 p1583 N91-18724 #
CWI-NM-R9010 ..... 10 p1578 N91-18685 #
CWI-NM-R9011 ..... 10 p1584 N91-18725 #
CWI-NM-R9012 ..... 10 p1584 N91-18726 #
CWI-NM-R9013 ..... 17 p2845 N91-25727 #
CWI-NM-R9014 ..... 17 p2836 N91-25675 #
CWI-NM-R9015 ..... 17 p2845 N91-25728 #
CWI-NM-R9016 ..... 18 p3049 N91-26835 #
CWI-NM-R9017 ..... 17 p2836 N91-25676 #
CWI-NM-R9018 ..... 18 p3038 N91-26768 #
CWI-NM-R9019 ..... 17 p2846 N91-25729 #
CWI-NM-R9020 ..... 17 p2846 N91-25730 #
CWI-NM-R9021 ..... 17 p2730 N91-25117 #
CWI-NM-R9022 ..... 17 p2846 N91-25731 #
CWI-NM-R9023 ..... 17 p2839 N91-25690 #

CWP-095 ..... 06 p0846 N91-14674 #
CWP-096 ..... 06 p0846 N91-14675 #

CWRU/DMS/TR-38 ..... 18 p3070 N91-26964 #
CWRU/DMS/TR-39 ..... 19 p3140 N91-27353 #
CWRU/DMS/TR-40 ..... 19 p3124 N91-27260 #
CWRU/DMS/TR-41 ..... 19 p3124 N91-27258 #
CWRU/DMS/TR-42 ..... 19 p3124 N91-27259 #
CWRU/DMS/TR-43 ..... 19 p3120 N91-27238 #

DAC-22 ..... 03 p0359 N91-12008 #
DAC-23 ..... 04 p0572 N91-13176 #
DAC-25 ..... 08 p1135 N91-16245 #

DARPA/SEMI/1090 ..... 12 p1981 N91-20900 #

DC-Y5-00400 ..... 02 p0228 N91-11276* #

DC-120 ..... 03 p0410 N91-12290 #
DC-124 ..... 09 p1389 N91-17643 #
DC-126 ..... 13 p2142 N91-21793 #
DC-128 ..... 16 p2635 N91-24585 #

DCA/JDSSC-SRS-1-90-VOL-1 ..... 14 p2305 N91-22737 #
DCA/JDSSC-SRS-1-90-VOL-2 ..... 14 p2305 N91-22738 #
DCA/JDSSC-SRS-1-90-VOL-3 ..... 14 p2305 N91-22739 #
DCA/JDSSC-SRS-1-90-VOL-4 ..... 18 p3042 N91-26794 #
DCA/JDSSC-SRS-1-90-VOL-5 ..... 16 p2669 N91-24773 #
DCA/JDSSC-SRS-1-90-VOL-7 ..... 14 p2306 N91-22740 #

DCA/JDSSC-TM-406-9 ..... 14 p2307 N91-22746 #

DCIEM-R88-7C 22 p3720 N91-30705

DCIEM-88-RR-12 ..... 22 p3720 N91-30706
DCIEM-88-RR-34 ..... 22 p3751 N91-30908
DCIEM-88-RR-51 ..... 22 p3615 N91-30112
DCIEM-88-TR-53 ..... 22 p3615 N91-30111
DCIEM-90-P-14 ..... 23 p3905 N91-31801
DCIEM-90-51 ..... 15 p2478 N91-23720 #
DCIEM-91-06 ..... 18 p3036 N91-26758 #

DCIEM-91-45 ..... 23 p3863 N91-31541 #

DCN-90-262-045-09 ..... 17 p2806 N91-25514 #

DCR/I-03357-90 ..... 23 p3819 N91-31305 #

DEL-SG-06-90 ..... 21 p3547 N91-29706 #
DEL-SG-07-90 ..... 21 p3547 N91-29707 #
DEL-SG-30-89 ..... 10 p1558 N91-18567 #

DELTA-IR-90-03 ..... 10 p1530 N91-18424 #

DE89-000878 ..... 08 p1198 N91-16582 #
DE89-009431 ..... 10 p1540 N91-18476 #
DE89-009504 ..... 05 p0685 N91-13809 #
DE89-009514 ..... 11 p1725 N91-19501 #
DE89-910195 ..... 04 p0463 N91-12591 #
DE90-000247 ..... 01 p0134 N91-10791 #
DE90-000304 ..... 02 p0229 N91-11282 #
DE90-000335 ..... 08 p1117 N91-16139 #
DE90-000345 ..... 07 p1072 N91-15901 #
DE90-000353 ..... 10 p1625 N91-18961 #
DE90-000355 ..... 02 p0277 N91-11557 #
DE90-000356 ..... 02 p0230 N91-11285 #
DE90-000358 ..... 01 p0128 N91-10756 #
DE90-000359 ..... 02 p0232 N91-11295 #
DE90-000361 ..... 02 p0230 N91-11283 #
DE90-000362 ..... 02 p0229 N91-11280 #
DE90-000364 ..... 02 p0232 N91-11296 #
DE90-000365 ..... 01 p0064 N91-10384 #
DE90-000366 ..... 02 p0230 N91-11284 #
DE90-000367 ..... 04 p0511 N91-12839 #
DE90-000368 ..... 10 p1543 N91-18494 #
DE90-000370 ..... 02 p0230 N91-11286 #
DE90-000371 ..... 04 p0543 N91-13012 #
DE90-000372 ..... 02 p0232 N91-11297 #
DE90-000373 ..... 02 p0230 N91-11287 #
DE90-000375 ..... 06 p0841 N91-14644 #
DE90-000376 ..... 10 p1540 N91-18477 #
DE90-000377 ..... 02 p0280 N91-11572 #
DE90-000378 ..... 05 p0682 N91-13792 #
DE90-000387 ..... 10 p1540 N91-18478 #
DE90-000389 ..... 17 p2762 N91-25291 #
DE90-000466 ..... 08 p1137 N91-16259 #
DE90-000483 ..... 22 p3652 N91-30326 #
DE90-000484 ..... 09 p1311 N91-17194 #
DE90-000490 ..... 02 p0231 N91-11288 #
DE90-002686 ..... 08 p1269 N91-16986 #
DE90-003063 ..... 08 p1156 N91-16368 #
DE90-003539 ..... 05 p0683 N91-13797 #
DE90-005280 ..... 08 p1156 N91-16369 #
DE90-005991 ..... 09 p1305 N91-17161 #
DE90-005992 ..... 09 p1305 N91-17162 #
DE90-005998 ..... 09 p1305 N91-17163 #
DE90-006002 ..... 08 p1107 N91-16080 #
DE90-006312 ..... 08 p1107 N91-16081 #
DE90-007150 ..... 02 p0198 N91-11108 #
DE90-007152 ..... 08 p1130 N91-16218 #
DE90-007285 ..... 08 p1220 N91-16718 #
DE90-007288 ..... 08 p1131 N91-16219 #
DE90-007413 ..... 08 p1161 N91-16394 #
DE90-007571 ..... 08 p1117 N91-16138 #
DE90-007679 ..... 09 p1409 N91-17752 #
DE90-007805 ..... 01 p0029 N91-10171 #
DE90-007856 ..... 08 p1108 N91-16082 #
DE90-007934 ..... 07 p0936 N91-15129* #
DE90-008002 ..... 17 p2861 N91-25820 #
DE90-008017 ..... 17 p2861 N91-25821 #
DE90-008105 ..... 17 p2861 N91-25822 #
DE90-008196 ..... 17 p2887 N91-25961 #
DE90-008210 ..... 08 p1147 N91-16316 #
DE90-008217 ..... 08 p1136 N91-16255 #
DE90-008221 ..... 08 p1225 N91-16751 #
DE90-008230 ..... 08 p1269 N91-16985 #
DE90-008232 ..... 08 p1226 N91-16752 #
DE90-008235 ..... 08 p1147 N91-16317 #
DE90-008237 ..... 09 p1399 N91-17704 #
DE90-008242 ..... 08 p1269 N91-16984 #
DE90-008243 ..... 08 p1226 N91-16753 #
DE90-008282 ..... 21 p3472 N91-29255 #
DE90-008345 ..... 08 p1131 N91-16220 #
DE90-008417 ..... 05 p0642 N91-13563 #
DE90-008490 ..... 07 p1056 N91-15803 #
DE90-008557 ..... 08 p1113 N91-16116 #
DE90-008568 ..... 08 p1172 N91-16451 #
DE90-008572 ..... 09 p1325 N91-17275 #
DE90-008748 ..... 02 p0213 N91-11188 #
DE90-008750 ..... 03 p0427 N91-12390 #
DE90-008964 ..... 08 p1123 N91-16174 #
DE90-008971 ..... 02 p0217 N91-11213 #
DE90-009001 ..... 09 p1375 N91-17556 #
DE90-009278 ..... 05 p0730 N91-14081 #
DE90-009409 ..... 08 p1113 N91-16117 #
DE90-009422 ..... 08 p1172 N91-16452 #
DE90-009434 ..... 08 p1180 N91-16497 #
DE90-009436 ..... 08 p1121 N91-16158 #

DE90-009438 ..... 08 p1121 N91-16159 #
DE90-009481 ..... 08 p1147 N91-16319 #
DE90-009662 ..... 02 p0214 N91-11194 #
DE90-009672 ..... 01 p0132 N91-10781 #
DE90-009683 ..... 08 p1170 N91-16442 #
DE90-009686 ..... 05 p0684 N91-13805 #
DE90-009687 ..... 11 p1738 N91-19556 #
DE90-009697 ..... 02 p0232 N91-11298 #
DE90-009700 ..... 20 p3368 N91-28657 #
DE90-009703 ..... 08 p1208 N91-16641 #
DE90-009704 ..... 01 p0128 N91-10757 #
DE90-009705 ..... 02 p0217 N91-11212 #
DE90-009712 ..... 08 p1206 N91-16632 #
DE90-009719 ..... 08 p1156 N91-16370 #
DE90-009723 ..... 08 p1157 N91-16373 #
DE90-009731 ..... 08 p1239 N91-16827 #
DE90-009732 ..... 08 p1219 N91-16711 #
DE90-009749 ..... 08 p1181 N91-16499 #
DE90-009779 ..... 08 p1196 N91-16574 #
DE90-009820 ..... 08 p1161 N91-16397 #
DE90-009834 ..... 02 p0231 N91-11289 #
DE90-009921 ..... 08 p1180 N91-16498 #
DE90-009938 ..... 08 p1147 N91-16318 #
DE90-009945 ..... 08 p1151 N91-16340 #
DE90-009972 ..... 08 p1213 N91-16675 #
DE90-009974 ..... 08 p1131 N91-16221 #
DE90-009988 ..... 08 p1240 N91-16835 #
DE90-009989 ..... 09 p1419 N91-17812 #
DE90-009991 ..... 09 p1338 N91-17347 #
DE90-010001 ..... 08 p1161 N91-16393 #
DE90-010005 ..... 08 p1171 N91-16445 #
DE90-010006 ..... 08 p1137 N91-16256 #
DE90-010008 ..... 08 p1137 N91-16257 #
DE90-010014 ..... 08 p1225 N91-16747 #
DE90-010015 ..... 08 p1222 N91-16733 #
DE90-010016 ..... 08 p1172 N91-16453 #
DE90-010018 ..... 08 p1171 N91-16446 #
DE90-010031 ..... 08 p1225 N91-16748 #
DE90-010058 ..... 08 p1107 N91-16078* #
DE90-010065 ..... 08 p1226 N91-16754 #
DE90-010066 ..... 08 p1196 N91-16573 #
DE90-010069 ..... 08 p1208 N91-16646 #
DE90-010079 ..... 08 p1225 N91-16749 #
DE90-010080 ..... 08 p1223 N91-16738 #
DE90-010093 ..... 08 p1113 N91-16115 #
DE90-010094 ..... 08 p1169 N91-16436 #
DE90-010107 ..... 08 p1169 N91-16435 #
DE90-010115 ..... 08 p1117 N91-16137 #
DE90-010146 ..... 08 p1123 N91-16175 #
DE90-010148 ..... 08 p1220 N91-16719 #
DE90-010151 ..... 08 p1171 N91-16447 #
DE90-010153 ..... 08 p1107 N91-16079 #
DE90-010169 ..... 08 p1231 N91-16785 #
DE90-010189 ..... 08 p1175 N91-16468 #
DE90-010195 ..... 08 p1157 N91-16371 #
DE90-010196 ..... 08 p1130 N91-16217 #
DE90-010198 ..... 08 p1196 N91-16575 #
DE90-010200 ..... 08 p1169 N91-16437 #
DE90-010253 ..... 08 p1226 N91-16755 #
DE90-010275 ..... 08 p1098 N91-16027 #
DE90-010276 ..... 08 p1157 N91-16374 #
DE90-010283 ..... 08 p1212 N91-16672 #
DE90-010287 ..... 08 p1226 N91-16758 #
DE90-010296 ..... 08 p1101 N91-16043 #
DE90-010299 ..... 08 p1098 N91-16028 #
DE90-010301 ..... 08 p1226 N91-16756 #
DE90-010302 ..... 08 p1131 N91-16222 #
DE90-010305 ..... 08 p1157 N91-16375 #
DE90-010306 ..... 08 p1226 N91-16757 #
DE90-010308 ..... 08 p1232 N91-16790 #
DE90-010321 ..... 08 p1173 N91-16456 #
DE90-010328 ..... 08 p1124 N91-16180 #
DE90-010331 ..... 08 p1152 N91-16345 #
DE90-010332 ..... 08 p1226 N91-16759 #
DE90-010333 ..... 08 p1227 N91-16760 #
DE90-010335 ..... 08 p1158 N91-16376 #
DE90-010338 ..... 09 p1317 N91-17229 #
DE90-010352 ..... 08 p1227 N91-16761 #
DE90-010369 ..... 08 p1125 N91-16181 #
DE90-010380 ..... 21 p3584 N91-29938 #
DE90-010387 ..... 21 p3517 N91-29532 #
DE90-010405 ..... 08 p1197 N91-16576 #
DE90-010408 ..... 08 p1137 N91-16260 #
DE90-010411 ..... 08 p1230 N91-16783 #
DE90-010424 ..... 08 p1137 N91-16258 #
DE90-010428 ..... 08 p1151 N91-16341 #
DE90-010429 ..... 08 p1219 N91-16712 #
DE90-010460 ..... 08 p1231 N91-16784 #
DE90-010479 ..... 08 p1219 N91-16713 #
DE90-010491 ..... 08 p1171 N91-16448 #
DE90-010492 ..... 08 p1219 N91-16714 #
DE90-010519 ..... 09 p1399 N91-17703 #
DE90-010530 ..... 08 p1171 N91-16450 #
DE90-010533 ..... 08 p1209 N91-16647 #
DE90-010534 ..... 08 p1213 N91-16676 #
DE90-010539 ..... 08 p1171 N91-16449 #
DE90-010541 ..... 08 p1220 N91-16720 #
DE90-010566 ..... 08 p1151 N91-16342 #
DE90-010580 ..... 08 p1138 N91-16262 #
DE90-010583 ..... 09 p1390 N91-17645 #
DE90-010584 ..... 08 p1152 N91-16343 #
DE90-010591 ..... 09 p1305 N91-17160 #
DE90-010600 ..... 08 p1108 N91-16085 #
DE90-010602 ..... 08 p1231 N91-16786 #
DE90-010607 ..... 08 p1225 N91-16750 #
DE90-010614 ..... 09 p1409 N91-17751 #
DE90-010616 ..... 08 p1101 N91-16042 #
DE90-010630 ..... 08 p1148 N91-16320 #
DE90-010650 ..... 08 p1190 N91-16542 #
DE90-010654 ..... 08 p1131 N91-16223 #
DE90-010657 ..... 08 p1132 N91-16226 #
DE90-010659 ..... 08 p1169 N91-16438 #
DE90-010663 ..... 08 p1231 N91-16787 #
DE90-010666 ..... 08 p1219 N91-16715 #
DE90-010667 ..... 08 p1108 N91-16083 #
DE90-010675 ..... 08 p1220 N91-16716 #
DE90-010676 ..... 08 p1173 N91-16457 #
DE90-010679 ..... 08 p1197 N91-16577 #
DE90-010682 ..... 08 p1125 N91-16182 #
DE90-010691 ..... 08 p1206 N91-16633 #
DE90-010692 ..... 10 p1505 N91-18286 #
DE90-010705 ..... 08 p1157 N91-16372 #
DE90-010707 ..... 08 p1231 N91-16788 #
DE90-010714 ..... 08 p1172 N91-16454 #
DE90-010719 ..... 09 p1344 N91-17383 #
DE90-010741 ..... 08 p1131 N91-16224 #
DE90-010742 ..... 08 p1175 N91-16469 #
DE90-010749 ..... 08 p1173 N91-16455 #
DE90-010792 ..... 08 p1239 N91-16828 #
DE90-010793 ..... 08 p1220 N91-16717 #
DE90-010809 ..... 08 p1189 N91-16537 #
DE90-010810 ..... 08 p1138 N91-16261 #
DE90-010815 ..... 08 p1138 N91-16263 #
DE90-010820 ..... 02 p0219 N91-11221 #
DE90-010831 ..... 08 p1232 N91-16789 #
DE90-010833 ..... 08 p1121 N91-16160 #
DE90-010865 ..... 08 p1173 N91-16458 #
DE90-010868 ..... 08 p1108 N91-16084 #
DE90-010869 ..... 08 p1189 N91-16538 #
DE90-010872 ..... 02 p0254 N91-11414 #
DE90-010876 ..... 08 p1152 N91-16344 #
DE90-010877 ..... 08 p1173 N91-16459 #
DE90-010896 ..... 21 p3502 N91-29436 #
DE90-010907 ..... 08 p1132 N91-16227 #
DE90-010926 ..... 08 p1132 N91-16225 #
DE90-010929 ..... 02 p0201 N91-11128 #
DE90-010938 ..... 08 p1161 N91-16395 #
DE90-010946 ..... 08 p1158 N91-16377 #
DE90-010949 ..... 08 p1105 N91-16066 #
DE90-010958 ..... 08 p1173 N91-16460 #
DE90-010964 ..... 09 p1354 N91-17439 #
DE90-010980 ..... 08 p1223 N91-16739 #
DE90-010986 ..... 08 p1174 N91-16461 #
DE90-010991 ..... 09 p1348 N91-17406 #
DE90-010993 ..... 08 p1108 N91-16086 #
DE90-010997 ..... 08 p1117 N91-16140 #
DE90-011014 ..... 08 p1174 N91-16462 #
DE90-011020 ..... 08 p1101 N91-16044 #
DE90-011051 ..... 08 p1138 N91-16264 #
DE90-011052 ..... 08 p1121 N91-16161 #
DE90-011061 ..... 08 p1158 N91-16378 #
DE90-011070 ..... 08 p1227 N91-16762 #
DE90-011071 ..... 08 p1222 N91-16734 #
DE90-011072 ..... 09 p1400 N91-17705 #
DE90-011078 ..... 08 p1220 N91-16721 #
DE90-011079 ..... 08 p1227 N91-16763 #
DE90-011080 ..... 08 p1227 N91-16764 #
DE90-011084 ..... 08 p1152 N91-16346 #
DE90-011087 ..... 08 p1174 N91-16463 #
DE90-011092 ..... 08 p1118 N91-16141 #
DE90-011094 ..... 08 p1162 N91-16398 #
DE90-011097 ..... 08 p1227 N91-16765 #
DE90-011098 ..... 08 p1132 N91-16229 #
DE90-011111 ..... 08 p1232 N91-16791 #
DE90-011146 ..... 08 p1133 N91-16230 #
DE90-011154 ..... 08 p1227 N91-16766 #
DE90-011155 ..... 08 p1233 N91-16796 #
DE90-011164 ..... 08 p1133 N91-16231 #
DE90-011170 ..... 08 p1114 N91-16118 #
DE90-011178 ..... 08 p1232 N91-16792 #
DE90-011180 ..... 01 p0132 N91-10782 #
DE90-011181 ..... 09 p1317 N91-17230 #
DE90-011193 ..... 08 p1148 N91-16321 #
DE90-011196 ..... 09 p1389 N91-17639 #
DE90-011204 ..... 08 p1232 N91-16793 #
DE90-011218 ..... 08 p1132 N91-16228 #
DE90-011219 ..... 08 p1148 N91-16322 #
DE90-011230 ..... 08 p1232 N91-16794 #
DE90-011237 ..... 08 p1133 N91-16232 #
DE90-011238 ..... 09 p1319 N91-17245 #
DE90-011304 ..... 08 p1233 N91-16797 #
DE90-011318 ..... 09 p1400 N91-17706 #

DE90-011332 ..... 08 p1228 N91-16768 #
DE90-011335 ..... 08 p1138 N91-16265 #
DE90-011340 ..... 08 p1222 N91-16735 #
DE90-011362 ..... 21 p3580 N91-29914
DE90-011369 ..... 08 p1162 N91-16399 #
DE90-011381 ..... 09 p1394 N91-17672 #
DE90-011389 ..... 08 p1158 N91-16379* #
DE90-011431 ..... 09 p1338 N91-17348 #
DE90-011459 ..... 09 p1357 N91-17455 #
DE90-011461 ..... 07 p1053 N91-15780 #
DE90-011463 ..... 08 p1121 N91-16162 #
DE90-011465 ..... 09 p1321 N91-17254 #
DE90-011477 ..... 09 p1306 N91-17164 #
DE90-011481 ..... 09 p1325 N91-17276 #
DE90-011482 ..... 08 p1233 N91-16798 #
DE90-011484 ..... 08 p1108 N91-16087 #
DE90-011496 ..... 08 p1228 N91-16769 #
DE90-011497 ..... 08 p1109 N91-16088 #
DE90-011502 ..... 08 p1239 N91-16829 #
DE90-011505 ..... 08 p1233 N91-16795 #
DE90-011509 ..... 08 p1233 N91-16799 #
DE90-011519 ..... 08 p1234 N91-16800 #
DE90-011521 ..... 08 p1175 N91-16470 #
DE90-011530 ..... 08 p1228 N91-16767 #
DE90-011544 ..... 08 p1220 N91-16722 #
DE90-011557 ..... 08 p1189 N91-16539 #
DE90-011582 ..... 08 p1175 N91-16471 #
DE90-011583 ..... 08 p1234 N91-16801 #
DE90-011596 ..... 08 p1118 N91-16142 #
DE90-011598 ..... 08 p1114 N91-16119 #
DE90-011600 ..... 21 p3472 N91-29256 #
DE90-011601 ..... 09 p1306 N91-17165 #
DE90-011613 ..... 09 p1306 N91-17166 #
DE90-011615 ..... 21 p3526 N91-29584 #
DE90-011636 ..... 02 p0258 N91-11434 #
DE90-011640 ..... 09 p1344 N91-17384 #
DE90-011643 ..... 08 p1118 N91-16143 #
DE90-011647 ..... 09 p1306 N91-17167 #
DE90-011709 ..... 09 p1400 N91-17707 #
DE90-011733 ..... 21 p3584 N91-29939 #
DE90-011740 ..... 08 p1152 N91-16347 #
DE90-011744 ..... 08 p1109 N91-16089 #
DE90-011746 ..... 08 p1228 N91-16770 #
DE90-011758 ..... 21 p3520 N91-29550 #
DE90-011760 ..... 21 p3520 N91-29551 #
DE90-011790 ..... 21 p3584 N91-29940 #
DE90-011872 ..... 09 p1311 N91-17195 #
DE90-011894 ..... 09 p1311 N91-17196 #
DE90-011909 ..... 08 p1133 N91-16233 #
DE90-011911 ..... 08 p1228 N91-16771 #
DE90-011927 ..... 21 p3547 N91-29709 #
DE90-011930 ..... 09 p1311 N91-17197 #
DE90-011947 ..... 01 p0026 N91-10158 #
DE90-011948 ..... 08 p1197 N91-16578 #
DE90-011957 ..... 08 p1152 N91-16348 #
DE90-011960 ..... 08 p1109 N91-16090 #
DE90-011971 ..... 08 p1169 N91-16439 #
DE90-011985 ..... 08 p1208 N91-16642 #
DE90-011990 ..... 08 p1148 N91-16323 #
DE90-011996 ..... 08 p1228 N91-16772 #
DE90-012000 ..... 02 p0262 N91-11465 #
DE90-012053 ..... 08 p1109 N91-16091 #
DE90-012071 ..... 08 p1229 N91-16773 #
DE90-012073 ..... 21 p3590 N91-29969 #
DE90-012074 ..... 01 p0024 N91-10142 #
DE90-012080 ..... 08 p1148 N91-16324 #
DE90-012081 ..... 08 p1243 N91-16850 #
DE90-012088 ..... 09 p1395 N91-17673 #
DE90-012091 ..... 02 p0270 N91-11514 #
DE90-012095 ..... 08 p1223 N91-16736 #
DE90-012099 ..... 22 p3623 N91-30157 #
DE90-012120 ..... 08 p1153 N91-16349 #
DE90-012123 ..... 21 p3570 N91-29848 #
DE90-012125 ..... 21 p3520 N91-29552 #
DE90-012134 ..... 08 p1229 N91-16774 #
DE90-012137 ..... 21 p3526 N91-29585 #
DE90-012140 ..... 08 p1209 N91-16648 #
DE90-012148 ..... 08 p1118 N91-16144 #
DE90-012153 ..... 08 p1223 N91-16737 #
DE90-012160 ..... 08 p1197 N91-16579 #
DE90-012164 ..... 23 p3817 N91-31291 #
DE90-012171 ..... 22 p3743 N91-30854 #
DE90-012180 ..... 08 p1149 N91-16325 #
DE90-012205 ..... 22 p3753 N91-30920 #
DE90-012211 ..... 21 p3492 N91-29380 #
DE90-012227 ..... 21 p3521 N91-29553 #
DE90-012477 ..... 21 p3585 N91-29941 #
DE90-012490 ..... 21 p3493 N91-29381 #
DE90-012496 ..... 21 p3502 N91-29437 #
DE90-012527 ..... 21 p3579 N91-29904 #
DE90-012535 ..... 21 p3472 N91-29257 #
DE90-012593 ..... 22 p3649 N91-30310 #
DE90-012754 ..... 06 p0842 N91-14651 #
DE90-012756 ..... 05 p0616 N91-13419 #
DE90-012758 ..... 06 p0842 N91-14652 #
DE90-012759 ..... 07 p0962 N91-15296 #
DE90-012764 ..... 10 p1576 N91-18673 #
DE90-012765 ..... 08 p1102 N91-16054 #
DE90-012964 ..... 02 p0213 N91-11189 #
DE90-012994 ..... 07 p1049 N91-15760 #
DE90-013196 ..... 15 p2417 N91-23386 #
DE90-013380 ..... 01 p0128 N91-10758 #
DE90-013478 ..... 01 p0124 N91-10732 #
DE90-013484 ..... 01 p0046 N91-10274 #
DE90-013498 ..... 01 p0026 N91-10153 #
DE90-013661 ..... 02 p0213 N91-11190 #
DE90-013806 ..... 05 p0684 N91-13806 #
DE90-013875 ..... 01 p0026 N91-10154 #
DE90-014080 ..... 01 p0045 N91-10269 #
DE90-014447 ..... 02 p0191 N91-11069 #
DE90-014508 ..... 01 p0133 N91-10783 #
DE90-014566 ..... 01 p0037 N91-10218 #
DE90-014573 ..... 01 p0015 N91-10094 #
DE90-014589 ..... 01 p0104 N91-10603 #
DE90-014681 ..... 01 p0104 N91-10602 #
DE90-014683 ..... 01 p0111 N91-10648 #
DE90-014696 ..... 01 p0026 N91-10155 #
DE90-014767 ..... 01 p0008 N91-10046 #
DE90-014783 ..... 01 p0048 N91-10288 #
DE90-014790 ..... 01 p0048 N91-10289 #
DE90-014797 ..... 01 p0135 N91-10802 #
DE90-014802 ..... 01 p0040 N91-10236 #
DE90-014808 ..... 01 p0133 N91-10789 #
DE90-014809 ..... 01 p0128 N91-10759 #
DE90-014831 ..... 01 p0119 N91-10706 #
DE90-014832 ..... 01 p0133 N91-10790 #
DE90-014839 ..... 01 p0056 N91-10330 #
DE90-014843 ..... 02 p0213 N91-11191 #
DE90-014844 ..... 01 p0064 N91-10385 #
DE90-014847 ..... 02 p0201 N91-11127 #
DE90-014852 ..... 02 p0270 N91-11516 #
DE90-014859 ..... 01 p0118 N91-10700 #
DE90-014860 ..... 01 p0034 N91-10202 #
DE90-014863 ..... 02 p0206 N91-11151 #
DE90-014865 ..... 02 p0189 N91-11057 #
DE90-014872 ..... 01 p0093 N91-10539 #
DE90-014881 ..... 01 p0047 N91-10281 #
DE90-014903 ..... 01 p0002 N91-10008 #
DE90-014911 ..... 02 p0291 N91-11633* #
DE90-014934 ..... 01 p0025 N91-10152 #
DE90-014935 ..... 05 p0659 N91-13659 #
DE90-014946 ..... 01 p0046 N91-10275 #
DE90-014974 ..... 01 p0135 N91-10803 #
DE90-014979 ..... 02 p0238 N91-11330 #
DE90-015034 ..... 01 p0121 N91-10715 #
DE90-015055 ..... 01 p0063 N91-10382 #
DE90-015057 ..... 02 p0242 N91-11351 #
DE90-015060 ..... 02 p0262 N91-11466 #
DE90-015089 ..... 01 p0128 N91-10760 #
DE90-015108 ..... 01 p0015 N91-10095 #
DE90-015118 ..... 01 p0103 N91-10598 #
DE90-015119 ..... 01 p0037 N91-10219 #
DE90-015120 ..... 02 p0217 N91-11214 #
DE90-015128 ..... 02 p0190 N91-11064 #
DE90-015132 ..... 01 p0064 N91-10383 #
DE90-015147 ..... 01 p0108 N91-10626 #
DE90-015153 ..... 02 p0277 N91-11558 #
DE90-015162 ..... 02 p0254 N91-11408 #
DE90-015180 ..... 01 p0037 N91-10220 #
DE90-015187 ..... 01 p0124 N91-10733 #
DE90-015192 ..... 02 p0254 N91-11409 #
DE90-015197 ..... 04 p0606 N91-13373 #
DE90-015307 ..... 01 p0022 N91-10129 #
DE90-015309 ..... 14 p2330 N91-22871 #
DE90-015312 ..... 12 p1985 N91-20923 #
DE90-015374 ..... 09 p1398 N91-17693 #
DE90-015392 ..... 02 p0219 N91-11222 #
DE90-015405 ..... 02 p0205 N91-11147 #
DE90-015538 ..... 02 p0200 N91-11123 #
DE90-015562 ..... 02 p0206 N91-11153 #
DE90-015563 ..... 02 p0226 N91-11263 #
DE90-015598 ..... 02 p0158 N91-10917 #
DE90-015606 ..... 02 p0212 N91-11185 #
DE90-015612 ..... 01 p0015 N91-10096 #
DE90-015625 ..... 02 p0269 N91-11511 #
DE90-015633 ..... 24 p4108 N91-32958 #
DE90-015681 ..... 05 p0694 N91-13866 #
DE90-015696 ..... 01 p0029 N91-10172 #
DE90-015698 ..... 02 p0277 N91-11559 #
DE90-015701 ..... 07 p1004 N91-15514 #
DE90-015712 ..... 01 p0056 N91-10329 #
DE90-015714 ..... 01 p0118 N91-10696 #
DE90-015715 ..... 02 p0221 N91-11235 #
DE90-015800 ..... 01 p0026 N91-10156 #
DE90-015815 ..... 15 p2529 N91-24013 #
DE90-015829 ..... 02 p0254 N91-11410 #
DE90-015831 ..... 09 p1356 N91-17446 #
DE90-015832 ..... 07 p1015 N91-15570 #
DE90-015840 ..... 01 p0125 N91-10736 #
DE90-015841 ..... 05 p0679 N91-13773 #
DE90-015857 ..... 11 p1779 N91-19759 #
DE90-015906 ..... 01 p0121 N91-10718 #

DE90-015908 ..... 01 p0068 N91-10409 #
DE90-015909 ..... 01 p0121 N91-10719 #
DE90-015910 ..... 01 p0022 N91-10130 #
DE90-015911 ..... 02 p0220 N91-11230 #
DE90-015912 ..... 02 p0248 N91-11382 #
DE90-015935 ..... 01 p0129 N91-10764 #
DE90-015975 ..... 01 p0121 N91-10716 #
DE90-015989 ..... 02 p0280 N91-11573 #
DE90-015990 ..... 01 p0129 N91-10765 #
DE90-015991 ..... 07 p0998 N91-15479 #
DE90-015992 ..... 01 p0125 N91-10737 #
DE90-015993 ..... 02 p0206 N91-11154 #
DE90-015994 ..... 07 p1077 N91-15927 #
DE90-016030 ..... 02 p0212 N91-11186 #
DE90-016038 ..... 01 p0129 N91-10761 #
DE90-016041 ..... 02 p0257 N91-11431 #
DE90-016047 ..... 11 p1676 N91-19240 #
DE90-016103 ..... 01 p0111 N91-10649 #
DE90-016104 ..... 01 p0031 N91-10183 #
DE90-016105 ..... 04 p0537 N91-12977 #
DE90-016122 ..... 01 p0125 N91-10738 #
DE90-016130 ..... 02 p0195 N91-11092 #
DE90-016187 ..... 02 p0254 N91-11411 #
DE90-016207 ..... 01 p0021 N91-10125 #
DE90-016211 ..... 02 p0184 N91-11032 #
DE90-016212 ..... 01 p0056 N91-10331 #
DE90-016213 ..... 01 p0113 N91-10659 #
DE90-016222 ..... 01 p0108 N91-10630 #
DE90-016225 ..... 01 p0129 N91-10762 #
DE90-016282 ..... 01 p0031 N91-10184 #
DE90-016284 ..... 01 p0031 N91-10185 #
DE90-016291 ..... 01 p0109 N91-10631 #
DE90-016302 ..... 02 p0219 N91-11223 #
DE90-016306 ..... 01 p0134 N91-10792 #
DE90-016310 ..... 01 p0113 N91-10660 #
DE90-016313 ..... 01 p0027 N91-10159 #
DE90-016328 ..... 01 p0024 N91-10143 #
DE90-016338 ..... 01 p0093 N91-10541 #
DE90-016342 ..... 01 p0029 N91-10173 #
DE90-016356 ..... 01 p0093 N91-10542 #
DE90-016359 ..... 01 p0027 N91-10160 #
DE90-016361 ..... 01 p0017 N91-10104 #
DE90-016362 ..... 01 p0049 N91-10295 #
DE90-016363 ..... 01 p0129 N91-10766 #
DE90-016415 ..... 01 p0029 N91-10174 #
DE90-016416 ..... 01 p0025 N91-10146 #
DE90-016417 ..... 01 p0024 N91-10144 #
DE90-016430 ..... 01 p0109 N91-10632 #
DE90-016432 ..... 01 p0045 N91-10266 #
DE90-016433 ..... 01 p0139 N91-10818 #
DE90-016434 ..... 01 p0139 N91-10817 #
DE90-016436 ..... 07 p1004 N91-15515 #
DE90-016438 ..... 01 p0121 N91-10717 #
DE90-016439 ..... 01 p0047 N91-10282 #
DE90-016440 ..... 15 p2473 N91-23697 #
DE90-016441 ..... 01 p0046 N91-10276 #
DE90-016442 ..... 01 p0125 N91-10739 #
DE90-016443 ..... 01 p0125 N91-10740 #
DE90-016447 ..... 01 p0047 N91-10277 #
DE90-016466 ..... 01 p0130 N91-10767 #
DE90-016467 ..... 01 p0142 N91-10836 #
DE90-016468 ..... 01 p0130 N91-10768 #
DE90-016473 ..... 01 p0047 N91-10278 #
DE90-016475 ..... 01 p0045 N91-10267 #
DE90-016478 ..... 01 p0113 N91-10661 #
DE90-016481 ..... 01 p0027 N91-10161 #
DE90-016483 ..... 01 p0122 N91-10720 #
DE90-016484 ..... 01 p0130 N91-10769 #
DE90-016485 ..... 01 p0047 N91-10279 #
DE90-016487 ..... 02 p0265 N91-11485 #
DE90-016488 ..... 01 p0047 N91-10280 #
DE90-016489 ..... 01 p0027 N91-10162 #
DE90-016490 ..... 01 p0130 N91-10770 #
DE90-016491 ..... 01 p0130 N91-10771 #
DE90-016495 ..... 01 p0141 N91-10830 #
DE90-016505 ..... 01 p0118 N91-10697 #
DE90-016506 ..... 01 p0113 N91-10662 #
DE90-016516 ..... 01 p0024 N91-10145 #
DE90-016517 ..... 01 p0029 N91-10175 #
DE90-016521 ..... 02 p0285 N91-11603 #
DE90-016526 ..... 01 p0067 N91-10406 #
DE90-016527 ..... 01 p0131 N91-10772 #
DE90-016530 ..... 06 p0853 N91-14710 #
DE90-016535 ..... 02 p0193 N91-11079 #
DE90-016538 ..... 02 p0284 N91-11600 #
DE90-016539 ..... 01 p0065 N91-10388 #
DE90-016540 ..... 01 p0073 N91-10440 #
DE90-016554 ..... 01 p0098 N91-10573 #
DE90-016558 ..... 01 p0032 N91-10187 #
DE90-016566 ..... 01 p0113 N91-10663 #
DE90-016567 ..... 01 p0131 N91-10773 #
DE90-016568 ..... 01 p0030 N91-10176 #
DE90-016611 ..... 01 p0027 N91-10163 #
DE90-016612 ..... 01 p0027 N91-10164 #
DE90-016613 ..... 01 p0028 N91-10165 #
DE90-016614 ..... 01 p0131 N91-10774 #
DE90-016638 ..... 01 p0030 N91-10177 #
DE90-016639 ..... 02 p0205 N91-11149 #
DE90-016640 ..... 01 p0131 N91-10775 #
DE90-016647 ..... 01 p0034 N91-10203 #
DE90-016648 ..... 01 p0038 N91-10223 #
DE90-016659 ..... 01 p0030 N91-10178 #
DE90-016671 ..... 01 p0126 N91-10741 #
DE90-016672 ..... 02 p0272 N91-11525 #
DE90-016673 ..... 02 p0272 N91-11526 #
DE90-016692 ..... 02 p0206 N91-11155 #
DE90-016693 ..... 01 p0067 N91-10407 #
DE90-016704 ..... 02 p0221 N91-11234 #
DE90-016709 ..... 04 p0535 N91-12967 #
DE90-016717 ..... 01 p0122 N91-10721 #
DE90-016719 ..... 02 p0284 N91-11601 #
DE90-016720 ..... 01 p0131 N91-10776 #
DE90-016723 ..... 01 p0041 N91-10239 #
DE90-016724 ..... 01 p0131 N91-10777 #
DE90-016726 ..... 01 p0068 N91-10408 #
DE90-016801 ..... 01 p0032 N91-10188 #
DE90-016849 ..... 01 p0038 N91-10224 #
DE90-016860 ..... 02 p0207 N91-11156 #
DE90-016865 ..... 01 p0031 N91-10186 #
DE90-016866 ..... 01 p0112 N91-10653 #
DE90-016901 ..... 01 p0025 N91-10147 #
DE90-016927 ..... 02 p0216 N91-11204 #
DE90-017015 ..... 11 p1777 N91-19749 #
DE90-017023 ..... 01 p0033 N91-10195 #
DE90-017024 ..... 01 p0126 N91-10742 #
DE90-017028 ..... 02 p0277 N91-11560 #
DE90-017029 ..... 15 p2438 N91-23507 #
DE90-017030 ..... 09 p1319 N91-17243 #
DE90-017031 ..... 02 p0278 N91-11561 #
DE90-017032 ..... 02 p0278 N91-11562 #
DE90-017034 ..... 05 p0673 N91-13745 #
DE90-017036 ..... 02 p0278 N91-11563 #
DE90-017038 ..... 02 p0184 N91-11033 #
DE90-017040 ..... 02 p0231 N91-11290 #
DE90-017043 ..... 01 p0120 N91-10713 #
DE90-017044 ..... 11 p1780 N91-19767 #
DE90-017088 ..... 08 p1221 N91-16724 #
DE90-017089 ..... 02 p0207 N91-11157 #
DE90-017090 ..... 01 p0126 N91-10743 #
DE90-017091 ..... 01 p0126 N91-10744 #
DE90-017092 ..... 01 p0126 N91-10745 #
DE90-017103 ..... 01 p0045 N91-10270 #
DE90-017143 ..... 01 p0030 N91-10179 #
DE90-017144 ..... 01 p0030 N91-10180 #
DE90-017186 ..... 01 p0132 N91-10778 #
DE90-017190 ..... 01 p0101 N91-10592 #
DE90-017192 ..... 01 p0026 N91-10166 #
DE90-017193 ..... 01 p0102 N91-10593 #
DE90-017198 ..... 04 p0502 N91-12785 #
DE90-017223 ..... 01 p0122 N91-10722 #
DE90-017233 ..... 01 p0050 N91-10296 #
DE90-017239 ..... 02 p0221 N91-11236 #
DE90-017250 ..... 05 p0631 N91-13497 #
DE90-017252 ..... 02 p0226 N91-11264 #
DE90-017253 ..... 02 p0194 N91-11083 #
DE90-017256 ..... 01 p0126 N91-10746 #
DE90-017273 ..... 02 p0231 N91-11291 #
DE90-017278 ..... 01 p0120 N91-10708 #
DE90-017279 ..... 01 p0120 N91-10709 #
DE90-017280 ..... 01 p0120 N91-10710 #
DE90-017284 ..... 02 p0267 N91-11497 #
DE90-017287 ..... 01 p0132 N91-10779 #
DE90-017288 ..... 02 p0219 N91-11225 #
DE90-017311 ..... 02 p0200 N91-11122 #
DE90-017312 ..... 02 p0219 N91-11226 #
DE90-017313 ..... 01 p0030 N91-10181 #
DE90-017316 ..... 02 p0234 N91-11308 #
DE90-017319 ..... 01 p0028 N91-10167 #
DE90-017327 ..... 02 p0271 N91-11520 #
DE90-017334 ..... 02 p0193 N91-11080 #
DE90-017336 ..... 02 p0269 N91-11512 #
DE90-017337 ..... 02 p0254 N91-11412 #
DE90-017402 ..... 01 p0114 N91-10665 #
DE90-017403 ..... 02 p0280 N91-11574 #
DE90-017447 ..... 02 p0268 N91-11504 #
DE90-017458 ..... 03 p0389 N91-12165 #
DE90-017502 ..... 02 p0196 N91-11097 #
DE90-017509 ..... 02 p0267 N91-11498 #
DE90-017510 ..... 02 p0212 N91-11187 #
DE90-017518 ..... 02 p0193 N91-11081 #
DE90-017519 ..... 02 p0292 N91-11635 #
DE90-017525 ..... 02 p0193 N91-11082 #
DE90-017526 ..... 02 p0196 N91-11098 #
DE90-017528 ..... 02 p0268 N91-11499 #
DE90-017535 ..... 01 p0041 N91-10240 #
DE90-017536 ..... 01 p0041 N91-10241 #
DE90-017537 ..... 01 p0041 N91-10242 #
DE90-017538 ..... 01 p0041 N91-10243 #
DE90-017539 ..... 01 p0041 N91-10244 #
DE90-017542 ..... 04 p0590 N91-13295 #
DE90-017592 ..... 01 p0022 N91-10132 #
DE90-017594 ..... 04 p0590 N91-13296 #

DE90-017600 ..... 02 p0206 N91-11152 #
DE90-017601 ..... 01 p0020 N91-10121 #
DE90-017605 ..... 02 p0273 N91-11533 #
DE90-017606 ..... 01 p0126 N91-10747 #
DE90-017607 ..... 01 p0126 N91-10748 #
DE90-017608 ..... 02 p0196 N91-11099 #
DE90-017611 ..... 02 p0201 N91-11124 #
DE90-017613 ..... 04 p0543 N91-13013 #
DE90-017616 ..... 01 p0141 N91-10831 #
DE90-017617 ..... 02 p0291 N91-11634 #
DE90-017618 ..... 04 p0583 N91-13254 #
DE90-017620 ..... 04 p0533 N91-12957 #
DE90-017632 ..... 02 p0268 N91-11500 #
DE90-017647 ..... 02 p0207 N91-11158 #
DE90-017653 ..... 02 p0268 N91-11501 #
DE90-017654 ..... 02 p0285 N91-11604 #
DE90-017656 ..... 02 p0278 N91-11564 #
DE90-017660 ..... 03 p0373 N91-12090 #
DE90-017661 ..... 02 p0197 N91-11102 #
DE90-017665 ..... 02 p0233 N91-11299 #
DE90-017668 ..... 02 p0207 N91-11159 #
DE90-017669 ..... 02 p0278 N91-11565 #
DE90-017674 ..... 02 p0254 N91-11413 #
DE90-017680 ..... 02 p0280 N91-11575 #
DE90-017682 ..... 02 p0233 N91-11300 #
DE90-017688 ..... 02 p0196 N91-11100 #
DE90-017693 ..... 15 p2441 N91-23520 #
DE90-017704 ..... 02 p0278 N91-11566 #
DE90-017734 ..... 02 p0273 N91-11536 #
DE90-017735 ..... 02 p0279 N91-11567 #
DE90-017736 ..... 02 p0279 N91-11568 #
DE90-017742 ..... 15 p2438 N91-23508 #
DE90-017743 ..... 02 p0216 N91-11209 #
DE90-017744 ..... 02 p0197 N91-11103 #
DE90-017746 ..... 11 p1716 N91-19445 #
DE90-017756 ..... 02 p0268 N91-11505 #
DE90-017758 ..... 02 p0219 N91-11224 #
DE90-017761 ..... 04 p0528 N91-12924 #
DE90-017763 ..... 02 p0280 N91-11576 #
DE90-017764 ..... 11 p1716 N91-19446 #
DE90-017765 ..... 11 p1716 N91-19447 #
DE90-017768 ..... 02 p0194 N91-11084 #
DE90-017769 ..... 02 p0279 N91-11569 #
DE90-017770 ..... 10 p1499 N91-18251 #
DE90-017772 ..... 03 p0397 N91-12205 #
DE90-017774 ..... 02 p0273 N91-11534 #
DE90-017792 ..... 02 p0243 N91-11352 #
DE90-017794 ..... 03 p0421 N91-12355 #
DE90-017795 ..... 02 p0243 N91-11353 #
DE90-017798 ..... 02 p0280 N91-11577 #
DE90-017799 ..... 03 p0369 N91-12065 #
DE90-017804 ..... 02 p0281 N91-11582 #
DE90-017806 ..... 02 p0281 N91-11578 #
DE90-017808 ..... 03 p0343 N91-11923 #
DE90-017809 ..... 02 p0264 N91-11479 #
DE90-017811 ..... 02 p0282 N91-11583 #
DE90-017812 ..... 02 p0281 N91-11579 #
DE90-017820 ..... 02 p0241 N91-11344 #
DE90-017822 ..... 02 p0198 N91-11109 #
DE90-017831 ..... 02 p0273 N91-11537 #
DE90-017832 ..... 03 p0421 N91-12356 #
DE90-017836 ..... 02 p0281 N91-11580 #
DE90-017851 ..... 03 p0358 N91-12007 #
DE90-017854 ..... 02 p0293 N91-11646 #
DE90-017855 ..... 03 p0380 N91-12123 #
DE90-017856 ..... 02 p0197 N91-11104 #
DE90-017858 ..... 02 p0274 N91-11538 #
DE90-017861 ..... 02 p0279 N91-11570 #
DE90-017862 ..... 02 p0234 N91-11309 #
DE90-017863 ..... 02 p0197 N91-11105 #
DE90-017864 ..... 02 p0265 N91-11487 #
DE90-017868 ..... 04 p0533 N91-12960 #
DE90-017871 ..... 04 p0502 N91-12786 #
DE90-017886 ..... 02 p0274 N91-11542 #
DE90-017889 ..... 02 p0274 N91-11539 #
DE90-018006 ..... 02 p0226 N91-11265 #
DE90-018007 ..... 02 p0233 N91-11301 #
DE90-018009 ..... 01 p0112 N91-10650 #
DE90-018013 ..... 02 p0279 N91-11571 #
DE90-018014 ..... 02 p0269 N91-11506 #
DE90-018019 ..... 02 p0273 N91-11535 #
DE90-018021 ..... 02 p0270 N91-11513 #
DE90-018023 ..... 02 p0268 N91-11502 #
DE90-018037 ..... 02 p0262 N91-11467 #
DE90-018038 ..... 02 p0194 N91-11085 #
DE90-018040 ..... 02 p0226 N91-11267 #
DE90-018041 ..... 02 p0191 N91-11070 #
DE90-018042 ..... 02 p0268 N91-11503 #
DE90-018043 ..... 02 p0191 N91-11071 #
DE90-018044 ..... 02 p0197 N91-11101 #
DE90-018046 ..... 02 p0265 N91-11486 #
DE90-018049 ..... 02 p0194 N91-11086 #
DE90-508023 ..... 02 p0295 N91-11656 #
DE90-508070 ..... 02 p0200 N91-11120 #
DE90-513706 ..... 02 p0239 N91-11331 #
DE90-513707 ..... 02 p0265 N91-11484 #
DE90-513710 ..... 02 p0281 N91-11581 #
DE90-513748 ..... 04 p0521 N91-12899 #
DE90-513756 ..... 04 p0557 N91-13088 #
DE90-513761 ..... 04 p0521 N91-12900 #
DE90-513782 ..... 04 p0576 N91-13203 #
DE90-513788 ..... 02 p0292 N91-11636 #
DE90-513789 ..... 02 p0292 N91-11637 #
DE90-513790 ..... 02 p0292 N91-11638 #
DE90-513791 ..... 02 p0292 N91-11639 #
DE90-513792 ..... 04 p0592 N91-13306 #
DE90-513793 ..... 02 p0292 N91-11640 #
DE90-513926 ..... 02 p0274 N91-11543 #
DE90-517069 ..... 01 p0064 N91-10386 #
DE90-517230 ..... 01 p0064 N91-10387 #
DE90-518714 ..... 01 p0119 N91-10701 #
DE90-520190 ..... 04 p0580 N91-13231 #
DE90-520194 ..... 04 p0583 N91-13255 #
DE90-520195 ..... 04 p0584 N91-13256 #
DE90-520198 ..... 04 p0584 N91-13257 #
DE90-520199 ..... 04 p0584 N91-13258 #
DE90-520207 ..... 02 p0197 N91-11106 #
DE90-520210 ..... 02 p0219 N91-11227 #
DE90-622195 ..... 09 p1331 N91-17309 #
DE90-627172 ..... 01 p0113 N91-10656 #
DE90-627178 ..... 01 p0117 N91-10693 #
DE90-627185 ..... 01 p0133 N91-10786 #
DE90-627189 ..... 01 p0055 N91-10327 #
DE90-627217 ..... 01 p0113 N91-10657 #
DE90-627478 ..... 01 p0124 N91-10731 #
DE90-627893 ..... 01 p0135 N91-10801 #
DE90-628368 ..... 01 p0133 N91-10787 #
DE90-628371 ..... 01 p0133 N91-10788 #
DE90-628758 ..... 02 p0271 N91-11524 #
DE90-631581 ..... 06 p0867 N91-14790 #
DE90-631582 ..... 07 p1056 N91-15804 #
DE90-631599 ..... 02 p0283 N91-11589 #
DE90-631600 ..... 02 p0263 N91-11471 #
DE90-631602 ..... 03 p0425 N91-12382 #
DE90-634244 ..... 02 p0207 N91-11160 #
DE90-634382 ..... 02 p0263 N91-11472 #
DE90-634419 ..... 03 p0389 N91-12168 #
DE90-634868 ..... 03 p0425 N91-12383 #
DE90-637389 ..... 02 p0269 N91-11507 #
DE90-637409 ..... 03 p0410 N91-12289 #
DE90-637548 ..... 02 p0275 N91-11544 #
DE90-637631 ..... 03 p0421 N91-12354 #
DE90-638126 ..... 09 p1317 N91-17231 #
DE90-638372 ..... 03 p0374 N91-12096 #
DE90-638387 ..... 09 p1350 N91-17414 #
DE90-702432 ..... 02 p0188 N91-11051 #
DE90-706120 ..... 03 p0419 N91-12345 #
DE90-777884 ..... 08 p1212 N91-16671 #
DE90-777889 ..... 09 p1419 N91-17813 #
DE90-796146 ..... 02 p0205 N91-11146 #
DE91-000019 ..... 02 p0204 N91-11141 #
DE91-000020 ..... 07 p0998 N91-15480 #
DE91-000024 ..... 03 p0370 N91-12073 #
DE91-000025 ..... 08 p1158 N91-16380 #
DE91-000027 ..... 08 p1235 N91-16805 #
DE91-000034 ..... 11 p1781 N91-19768 #
DE91-000035 ..... 02 p0198 N91-11110 #
DE91-000036 ..... 02 p0220 N91-11231 #
DE91-000038 ..... 02 p0198 N91-11111 #
DE91-000040 ..... 07 p0999 N91-15486 #
DE91-000041 ..... 07 p0999 N91-15487 #
DE91-000043 ..... 02 p0282 N91-11584 #
DE91-000044 ..... 02 p0195 N91-11089 #
DE91-000056 ..... 06 p0790 N91-14369 #
DE91-000058 ..... 08 p1125 N91-16183 #
DE91-000060 ..... 02 p0255 N91-11420 #
DE91-000066 ..... 05 p0662 N91-13680 #
DE91-000067 ..... 07 p1013 N91-15562 #
DE91-000073 ..... 03 p0401 N91-12229 #
DE91-000074 ..... 02 p0270 N91-11515 #
DE91-000075 ..... 02 p0214 N91-11195 #
DE91-000091 ..... 04 p0573 N91-13184 #
DE91-000095 ..... 03 p0359 N91-12013 #
DE91-000098 ..... 02 p0202 N91-11131 #
DE91-000102 ..... 04 p0508 N91-12822 #
DE91-000128 ..... 02 p0274 N91-11540 #
DE91-000133 ..... 03 p0401 N91-12230 #
DE91-000148 ..... 02 p0294 N91-11651 #
DE91-000150 ..... 03 p0424 N91-12372 #
DE91-000170 ..... 02 p0207 N91-11161 #
DE91-000171 ..... 03 p0386 N91-12154 #
DE91-000172 ..... 08 p1114 N91-16122 #
DE91-000176 ..... 02 p0275 N91-11545 #
DE91-000177 ..... 02 p0283 N91-11590 #
DE91-000186 ..... 07 p0975 N91-15352 #
DE91-000196 ..... 02 p0199 N91-11112 #
DE91-000208 ..... 02 p0275 N91-11546 #
DE91-000210 ..... 02 p0271 N91-11522 #
DE91-000211 ..... 04 p0590 N91-13297 #
DE91-000216 ..... 03 p0401 N91-12231 #
DE91-000220 ..... 04 p0590 N91-13298 #
DE91-000222 ..... 04 p0581 N91-13237 #

DE91-000235	03	p0370	N91-12074	#
DE91-000236	03	p0370	N91-12075	#
DE91-000237	08	p1153	N91-16351	#
DE91-000238	03	p0416	N91-12327	#
DE91-000260	04	p0506	N91-12809	#
DE91-000262	05	p0658	N91-13654	#
DE91-000263	05	p0633	N91-13509	#
DE91-000267	08	p1115	N91-16123	#
DE91-000281	04	p0591	N91-13299	#
DE91-000286	02	p0275	N91-11547	#
DE91-000353	03	p0401	N91-12232	#
DE91-000354	03	p0341	N91-11914	#
DE91-000357	02	p0282	N91-11585	#
DE91-000360	02	p0199	N91-11113	#
DE91-000367	02	p0199	N91-11114	#
DE91-000372	04	p0591	N91-13300	#
DE91-000373	08	p1109	N91-16093	#
DE91-000375	02	p0199	N91-11115	#
DE91-000384	02	p0201	N91-11125	#
DE91-000392	04	p0498	N91-12763	#
DE91-000393	04	p0529	N91-12935	#
DE91-000394	08	p1235	N91-16806	#
DE91-000399	03	p0344	N91-11928	#
DE91-000401	05	p0726	N91-14056	#
DE91-000408	04	p0543	N91-13014	#
DE91-000411	03	p0370	N91-12076	#
DE91-000412	04	p0488	N91-12713	#
DE91-000417	03	p0401	N91-12233	#
DE91-000418	04	p0585	N91-13264	#
DE91-000419	07	p1072	N91-15902	#
DE91-000433	02	p0208	N91-11162	#
DE91-000438	07	p1002	N91-15500	#
DE91-000439	05	p0673	N91-13743	#
DE91-000440	04	p0591	N91-13301	#
DE91-000441	04	p0528	N91-12926	#
DE91-000444	04	p0546	N91-13030	#
DE91-000445	07	p0979	N91-15376	#
DE91-000447	04	p0584	N91-13260	#
DE91-000448	04	p0528	N91-12927	#
DE91-000453	04	p0508	N91-12824	#
DE91-000459	04	p0488	N91-12711	#
DE91-000463	04	p0514	N91-12855	#
DE91-000466	04	p0518	N91-12879	#
DE91-000467	07	p1026	N91-15631	#
DE91-000468	04	p0544	N91-13015	#
DE91-000470	07	p0994	N91-15457	#
DE91-000475	04	p0513	N91-12850	#
DE91-000478	04	p0529	N91-12936	#
DE91-000480	04	p0544	N91-13017	#
DE91-000482	04	p0611	N91-13397	#
DE91-000483	04	p0571	N91-13172	#
DE91-000489	04	p0532	N91-12951	#
DE91-000490	04	p0523	N91-12911	#
DE91-000496	04	p0479	N91-12670	#
DE91-000498	04	p0564	N91-13132	#
DE91-000499	04	p0564	N91-13133	#
DE91-000501	07	p1073	N91-15903	#
DE91-000503	05	p0676	N91-13757	#
DE91-000516	05	p0641	N91-13555	#
DE91-000518	07	p0998	N91-15481	#
DE91-000519	07	p1069	N91-15881	#
DE91-000522	07	p1005	N91-15516	#
DE91-000527	04	p0581	N91-13238	#
DE91-000530	08	p1115	N91-16126	#
DE91-000531	07	p1053	N91-15781	#
DE91-000534	04	p0565	N91-13134	#
DE91-000535	04	p0532	N91-12952	#
DE91-000543	05	p0669	N91-13718	#
DE91-000544	08	p1119	N91-16148	#
DE91-000555	02	p0269	N91-11509	#
DE91-000561	02	p0271	N91-11523	#
DE91-000562	04	p0584	N91-13261	#
DE91-000575	02	p0275	N91-11548	#
DE91-000578	04	p0581	N91-13239	#
DE91-000579	08	p1124	N91-16176	#
DE91-000580	08	p1149	N91-16326	#
DE91-000581	08	p1141	N91-16283	#
DE91-000586	08	p1174	N91-16465	#
DE91-000587	07	p1026	N91-15632	#
DE91-000588	04	p0585	N91-13262	#
DE91-000592	08	p1142	N91-16284	#
DE91-000595	04	p0506	N91-12810	#
DE91-000596	03	p0338	N91-11895	#
DE91-000598	02	p0275	N91-11549	#
DE91-000599	05	p0644	N91-13576	#
DE91-000605	03	p0416	N91-12328	#
DE91-000608	07	p0980	N91-15377	#
DE91-000610	05	p0634	N91-13516	#
DE91-000611	08	p1110	N91-16100	#
DE91-000612	05	p0635	N91-13517	#
DE91-000614	08	p1110	N91-16094	#
DE91-000615	04	p0581	N91-13240	#
DE91-000618	08	p1118	N91-16145	#
DE91-000621	08	p1110	N91-16095	#
DE91-000641	08	p1110	N91-16096	#
DE91-000656	08	p1229	N91-16775	#
DE91-000660	06	p0867	N91-14791	#
DE91-000664	05	p0635	N91-13518	#
DE91-000668	07	p0985	N91-15406	#
DE91-000678	04	p0581	N91-13241	#
DE91-000680	06	p0805	N91-14448	#
DE91-000690	03	p0381	N91-12129	#
DE91-000692	07	p1070	N91-15887	#
DE91-000702	03	p0338	N91-11896	#
DE91-000708	07	p1070	N91-15888	#
DE91-000709	11	p1781	N91-19769	#
DE91-000717	04	p0591	N91-13302	#
DE91-000720	04	p0479	N91-12671	#
DE91-000721	07	p1070	N91-15889	#
DE91-000726	07	p0975	N91-15350	#
DE91-000729	05	p0709	N91-13955	#
DE91-000736	07	p1071	N91-15890	#
DE91-000737	07	p0984	N91-15401	#
DE91-000740	05	p0636	N91-13525	#
DE91-000741	05	p0636	N91-13526	#
DE91-000743	07	p1071	N91-15891	#
DE91-000750	06	p0882	N91-14873	#
DE91-000763	05	p0713	N91-13977	#
DE91-000767	09	p1310	N91-17193	#
DE91-000771	04	p0502	N91-12790	#
DE91-000773	04	p0527	N91-12922	#
DE91-000774	04	p0544	N91-13016	#
DE91-000780	04	p0545	N91-13024	#
DE91-000784	05	p0658	N91-13655	#
DE91-000786	03	p0424	N91-12373	#
DE91-000792	05	p0717	N91-14004	#
DE91-000795	04	p0502	N91-12787	#
DE91-000801	04	p0585	N91-13267	#
DE91-000810	05	p0713	N91-13978	#
DE91-000813	04	p0511	N91-12841	#
DE91-000814	04	p0520	N91-12895	#
DE91-000815	04	p0505	N91-12804	#
DE91-000818	04	p0530	N91-12940	#
DE91-000820	04	p0511	N91-12840	#
DE91-000821	04	p0583	N91-13252	#
DE91-000825	04	p0542	N91-13009*	#
DE91-000856	04	p0502	N91-12788	#
DE91-000857	07	p1067	N91-15872	#
DE91-000866	08	p1197	N91-16581	#
DE91-000868	04	p0552	N91-13062	#
DE91-000870	04	p0511	N91-12842	#
DE91-000883	04	p0578	N91-13222	#
DE91-000887	04	p0530	N91-12941	#
DE91-000895	08	p1234	N91-16803	#
DE91-000900	08	p1234	N91-16804	#
DE91-000903	04	p0591	N91-13304	#
DE91-000922	04	p0498	N91-12766	#
DE91-000931	08	p1221	N91-16723	#
DE91-000932	04	p0581	N91-13242	#
DE91-000933	07	p1083	N91-15956	#
DE91-000934	04	p0591	N91-13303	#
DE91-000940	04	p0523	N91-12912	#
DE91-000941	05	p0659	N91-13660	#
DE91-000944	04	p0585	N91-13268	#
DE91-000950	04	p0586	N91-13269	#
DE91-000952	04	p0537	N91-12978	#
DE91-000966	05	p0651	N91-13617	#
DE91-000972	04	p0585	N91-13265	#
DE91-000973	04	p0586	N91-13270	#
DE91-000979	07	p1067	N91-15869	#
DE91-000985	04	p0511	N91-12843	#
DE91-000987	04	p0537	N91-12979	#
DE91-001001	04	p0505	N91-12802	#
DE91-001004	04	p0508	N91-12823	#
DE91-001007	07	p0946	N91-15186	#
DE91-001017	04	p0496	N91-12752	#
DE91-001018	05	p0685	N91-13810	#
DE91-001027	07	p1067	N91-15870	#
DE91-001028	06	p0872	N91-14819	#
DE91-001031	06	p0862	N91-14763	#
DE91-001033	06	p0843	N91-14656	#
DE91-001037	06	p0849	N91-14687	#
DE91-001043	05	p0680	N91-13779	#
DE91-001044	05	p0669	N91-13719	#
DE91-001046	06	p0819	N91-14524	#
DE91-001048	06	p0813	N91-14490	#
DE91-001056	05	p0667	N91-13709	#
DE91-001057	05	p0680	N91-13780	#
DE91-001058	05	p0705	N91-13931	#
DE91-001083	05	p0632	N91-13501	#
DE91-001084	05	p0670	N91-13726	#
DE91-001087	05	p0645	N91-13577	#
DE91-001096	05	p0707	N91-13942	#
DE91-001097	07	p1055	N91-15798	#
DE91-001101	04	p0532	N91-12953	#
DE91-001107	06	p0809	N91-14466	#
DE91-001110	04	p0583	N91-13253	#
DE91-001112	04	p0545	N91-13025	#
DE91-001118	04	p0573	N91-13185	#
DE91-001119	04	p0582	N91-13247	#
DE91-001120	05	p0685	N91-13811	#
DE91-001121	04	p0573	N91-13186	#

DE91-001124	04	p0529	N91-12937	#
DE91-001126	06	p0847	N91-14678	#
DE91-001129	06	p0827	N91-14571	#
DE91-001131	04	p0530	N91-12938	#
DE91-001139	04	p0530	N91-12939	#
DE91-001141	05	p0726	N91-14057	#
DE91-001143	06	p0832	N91-14596	#
DE91-001148	04	p0609	N91-13387	#
DE91-001150	04	p0502	N91-12789	#
DE91-001156	04	p0498	N91-12764	#
DE91-001158	04	p0505	N91-12805	#
DE91-001192	06	p0882	N91-14874	#
DE91-001212	06	p0844	N91-14663	#
DE91-001214	04	p0582	N91-13243	#
DE91-001220	05	p0713	N91-13979	#
DE91-001224	04	p0585	N91-13266	#
DE91-001227	05	p0713	N91-13980	#
DE91-001228	06	p0879	N91-14853	#
DE91-001229	04	p0498	N91-12765	#
DE91-001231	05	p0615	N91-13413*	#
DE91-001232	06	p0842	N91-14649	#
DE91-001234	06	p0838	N91-14633	#
DE91-001250	06	p0876	N91-14844	#
DE91-001251	06	p0882	N91-14875	#
DE91-001253	05	p0726	N91-14058	#
DE91-001254	06	p0832	N91-14597	#
DE91-001260	05	p0682	N91-13793	#
DE91-001261	11	p1716	N91-19448	#
DE91-001262	06	p0842	N91-14650	#
DE91-001267	06	p0879	N91-14854	#
DE91-001269	11	p1688	N91-19303	#
DE91-001272	06	p0809	N91-14467	#
DE91-001277	06	p0882	N91-14876	#
DE91-001286	06	p0809	N91-14468	#
DE91-001327	04	p0505	N91-12803	#
DE91-001336	06	p0832	N91-14598	#
DE91-001338	06	p0809	N91-14469	#
DE91-001341	05	p0672	N91-13736	#
DE91-001342	06	p0882	N91-14877	#
DE91-001348	06	p0815	N91-14503	#
DE91-001349	06	p0883	N91-14878	#
DE91-001355	06	p0824	N91-14553	#
DE91-001358	06	p0862	N91-14764	#
DE91-001361	05	p0718	N91-14006	#
DE91-001372	06	p0844	N91-14664	#
DE91-001445	06	p0846	N91-14674	#
DE91-001446	06	p0846	N91-14675	#
DE91-001486	05	p0652	N91-13618	#
DE91-001488	06	p0876	N91-14845	#
DE91-001489	05	p0693	N91-13858	#
DE91-001492	05	p0685	N91-13813	#
DE91-001493	05	p0677	N91-13763	#
DE91-001515	05	p0728	N91-14067	#
DE91-001520	05	p0645	N91-13578	#
DE91-001526	05	p0641	N91-13556	#
DE91-001547	06	p0876	N91-14846	#
DE91-001548	06	p0877	N91-14847	#
DE91-001563	06	p0809	N91-14470	#
DE91-001597	05	p0727	N91-14059	#
DE91-001598	07	p1008	N91-15535	#
DE91-001616	07	p1065	N91-15854	#
DE91-001617	05	p0644	N91-13572	#
DE91-001618	05	p0669	N91-13720	#
DE91-001625	05	p0632	N91-13498	#
DE91-001639	05	p0715	N91-13989	#
DE91-001640	07	p0980	N91-15378	#
DE91-001643	06	p0858	N91-14737	#
DE91-001646	06	p0847	N91-14676	#
DE91-001660	06	p0811	N91-14480	#
DE91-001662	06	p0877	N91-14848	#
DE91-001674	05	p0635	N91-13519	#
DE91-001678	05	p0648	N91-13599	#
DE91-001679	05	p0632	N91-13499	#
DE91-001680	06	p0831	N91-14592	#
DE91-001684	05	p0665	N91-13697	#
DE91-001685	05	p0665	N91-13698	#
DE91-001713	05	p0682	N91-13794	#
DE91-001717	05	p0677	N91-13764	#
DE91-001722	05	p0686	N91-13814	#
DE91-001723	06	p0787	N91-14354	#
DE91-001724	06	p0873	N91-14826	#
DE91-001729	05	p0693	N91-13859	#
DE91-001732	05	p0731	N91-14082	#
DE91-001733	05	p0662	N91-13681	#
DE91-001741	05	p0677	N91-13765	#
DE91-001742	05	p0718	N91-14007	#
DE91-001743	06	p0879	N91-14852	#
DE91-001745	05	p0769	N91-14269	#
DE91-001746	05	p0666	N91-13699	#
DE91-001747	05	p0652	N91-13619	#
DE91-001748	05	p0709	N91-13956	#
DE91-001749	05	p0713	N91-13981	#
DE91-001754	05	p0683	N91-13795	#
DE91-001755	05	p0707	N91-13943	#
DE91-001758	05	p0635	N91-13520	#
DE91-001759	05	p0708	N91-13945	#
DE91-001760	05	p0647	N91-13593	#
DE91-001762	05	p0701	N91-13908	#
DE91-001763	05	p0652	N91-13623	#
DE91-001764	06	p0807	N91-14455	#
DE91-001766	05	p0664	N91-13689	#
DE91-001767	07	p0976	N91-15354	#
DE91-001775	05	p0694	N91-13867	#
DE91-001779	07	p1027	N91-15635	#
DE91-001787	06	p0880	N91-14858	#
DE91-001789	06	p0806	N91-14449	#
DE91-001790	07	p1034	N91-15670	#
DE91-001792	05	p0728	N91-14068	#
DE91-001794	06	p0807	N91-14456	#
DE91-001795	06	p0804	N91-14439	#
DE91-001797	05	p0714	N91-13982	#
DE91-001798	05	p0727	N91-14060	#
DE91-001803	07	p1083	N91-15959	#
DE91-001804	05	p0728	N91-14069	#
DE91-001815	05	p0683	N91-13798	#
DE91-001818	05	p0683	N91-13799	#
DE91-001827	07	p1035	N91-15679	#
DE91-001835	05	p0702	N91-13909	#
DE91-001847	07	p0965	N91-15302	#
DE91-001852	05	p0710	N91-13957	#
DE91-001854	05	p0666	N91-13700	#
DE91-001856	07	p1035	N91-15680	#
DE91-001864	07	p1036	N91-15681	#
DE91-001865	05	p0666	N91-13701	#
DE91-001868	05	p0710	N91-13958	#
DE91-001869	05	p0714	N91-13986	#
DE91-001874	05	p0654	N91-13631	#
DE91-001875	05	p0666	N91-13702	#
DE91-001877	05	p0767	N91-14258	#
DE91-001880	07	p0999	N91-15488	#
DE91-001882	05	p0666	N91-13703	#
DE91-001883	06	p0816	N91-14505	#
DE91-001884	05	p0702	N91-13912	#
DE91-001888	07	p1002	N91-15501	#
DE91-001890	05	p0716	N91-13994	#
DE91-001898	05	p0718	N91-14009	#
DE91-001899	05	p0719	N91-14010	#
DE91-001901	05	p0719	N91-14011	#
DE91-001907	06	p0802	N91-14425	#
DE91-001910	05	p0714	N91-13987	#
DE91-001913	05	p0697	N91-13880	#
DE91-001914	05	p0711	N91-13970	#
DE91-001920	05	p0719	N91-14012	#
DE91-001929	06	p0802	N91-14427	#
DE91-001935	05	p0688	N91-13826	#
DE91-001936	05	p0660	N91-13670	#
DE91-001942	05	p0705	N91-13932	#
DE91-001943	05	p0719	N91-14013	#
DE91-001946	06	p0924	N91-15111	#
DE91-001949	05	p0673	N91-13744	#
DE91-001950	05	p0652	N91-13624	#
DE91-001951	05	p0652	N91-13620	#
DE91-001953	05	p0662	N91-13682	#
DE91-001956	05	p0630	N91-13490	#
DE91-001957	06	p0858	N91-14739	#
DE91-001960	06	p0790	N91-14370	#
DE91-001961	05	p0719	N91-14014	#
DE91-001965	05	p0718	N91-14008	#
DE91-001974	08	p1210	N91-16659	#
DE91-001977	07	p1033	N91-15666	#
DE91-001978	06	p0813	N91-14491	#
DE91-001984	06	p0843	N91-14658	#
DE91-001988	06	p0807	N91-14457	#
DE91-001993	06	p0879	N91-14855	#
DE91-001997	05	p0659	N91-13661	#
DE91-001999	07	p0985	N91-15407	#
DE91-002010	22	p3700	N91-30602	#
DE91-002036	16	p2636	N91-24595	#
DE91-002050	18	p3071	N91-26970	#
DE91-002055	14	p2281	N91-22618	#
DE91-002060	18	p2952	N91-26288	#
DE91-002064	20	p3405	N91-28875	#
DE91-002101	05	p0615	N91-13414	#
DE91-002103	10	p1539	N91-18473	#
DE91-002104	10	p1625	N91-18962	#
DE91-002112	06	p0840	N91-14643	#
DE91-002113	06	p0827	N91-14572	#
DE91-002115	10	p1539	N91-18474	#
DE91-002116	08	p1170	N91-16444	#
DE91-002117	08	p1170	N91-16443	#
DE91-002118	06	p0836	N91-14621	#
DE91-002119	10	p1540	N91-18479	#
DE91-002120	12	p1919	N91-20560	#
DE91-002121	09	p1362	N91-17483	#
DE91-002122	07	p1026	N91-15629	#
DE91-002124	09	p1415	N91-17789	#
DE91-002128	11	p1725	N91-19502	#
DE91-002130	10	p1608	N91-18874	#
DE91-002132	15	p2458	N91-23618	#
DE91-002134	17	p2805	N91-25507	#
DE91-002136	20	p3367	N91-28650	#
DE91-002138	20	p3337	N91-28480	#

DE91-002150	17	p2805	N91-25508	#
DE91-002151	18	p3004	N91-26588	#
DE91-002159	18	p3004	N91-26591	#
DE91-002160	21	p3535	N91-29643	#
DE91-002161	22	p3684	N91-30513	#
DE91-002163	20	p3368	N91-28658	#
DE91-002164	24	p4040	N91-32575	#
DE91-002165	20	p3369	N91-28663	#
DE91-002167	22	p3700	N91-30603	#
DE91-002169	21	p3592	N91-29983	#
DE91-002170	22	p3701	N91-30604	#
DE91-002189	20	p3328	N91-28429	#
DE91-002190	21	p3536	N91-29646	#
DE91-002191	22	p3760	N91-30959	#
DE91-002195	22	p3701	N91-30605	#
DE91-002196	21	p3539	N91-29663	#
DE91-002197	21	p3536	N91-29649	#
DE91-002198	21	p3536	N91-29650	#
DE91-002225	12	p1877	N91-20315	#
DE91-002232	16	p2625	N91-24538	#
DE91-002303	05	p0644	N91-13573	#
DE91-002304	06	p0879	N91-14856	#
DE91-002307	05	p0768	N91-14264	#
DE91-002309	15	p2424	N91-23428	#
DE91-002311	05	p0645	N91-13582	#
DE91-002313	05	p0729	N91-14070	#
DE91-002314	06	p0816	N91-14506	#
DE91-002320	05	p0769	N91-14270	#
DE91-002322	05	p0719	N91-14015	#
DE91-002323	06	p0875	N91-14838	#
DE91-002324	11	p1712	N91-19428	#
DE91-002336	07	p1061	N91-15838	#
DE91-002337	05	p0653	N91-13625	#
DE91-002338	06	p0807	N91-14458	#
DE91-002340	05	p0683	N91-13800	#
DE91-002341	05	p0635	N91-13521	#
DE91-002347	05	p0715	N91-13988	#
DE91-002348	05	p0653	N91-13626	#
DE91-002352	05	p0685	N91-13812	#
DE91-002358	05	p0727	N91-14061	#
DE91-002395	06	p0880	N91-14859	#
DE91-002396	05	p0727	N91-14062	#
DE91-002397	06	p0810	N91-14471	#
DE91-002399	05	p0659	N91-13662	#
DE91-002409	05	p0702	N91-13913	#
DE91-002419	06	p0820	N91-14532	#
DE91-002425	06	p0820	N91-14533	#
DE91-002429	11	p1800	N91-19881	#
DE91-002435	05	p0648	N91-13597	#
DE91-002458	05	p0729	N91-14071	#
DE91-002470	06	p0871	N91-14814	#
DE91-002496	06	p0804	N91-14440	#
DE91-002518	06	p0815	N91-14504	#
DE91-002522	05	p0729	N91-14072	#
DE91-002523	05	p0710	N91-13959	#
DE91-002534	05	p0671	N91-13727	#
DE91-002536	05	p0644	N91-13574	#
DE91-002542	05	p0666	N91-13704	#
DE91-002561	06	p0804	N91-14438	#
DE91-002562	07	p1032	N91-15663	#
DE91-002563	06	p0844	N91-14661	#
DE91-002566	06	p0825	N91-14560	#
DE91-002567	06	p0802	N91-14428	#
DE91-002568	06	p0811	N91-14481	#
DE91-002571	05	p0720	N91-14016	#
DE91-002573	05	p0702	N91-13914	#
DE91-002575	06	p0829	N91-14583	#
DE91-002577	06	p0833	N91-14606	#
DE91-002586	06	p0779	N91-14319	#
DE91-002592	06	p0820	N91-14531	#
DE91-002594	06	p0825	N91-14561	#
DE91-002597	06	p0819	N91-14525	#
DE91-002632	06	p0877	N91-14849	#
DE91-002635	06	p0875	N91-14839	#
DE91-002646	05	p0720	N91-14017	#
DE91-002647	05	p0720	N91-14018	#
DE91-002649	06	p0875	N91-14840	#
DE91-002650	05	p0720	N91-14019	#
DE91-002652	06	p0836	N91-14619	#
DE91-002657	06	p0808	N91-14459	#
DE91-002658	05	p0708	N91-13946	#
DE91-002667	05	p0720	N91-14020	#
DE91-002668	06	p0817	N91-14513*	#
DE91-002670	05	p0720	N91-14021	#
DE91-002671	05	p0727	N91-14063	#
DE91-002673	05	p0664	N91-13690	#
DE91-002695	06	p0869	N91-14804	#
DE91-002698	06	p0841	N91-14645	#
DE91-002701	06	p0836	N91-14622	#
DE91-002703	06	p0880	N91-14857	#
DE91-002706	09	p1401	N91-17710	#
DE91-002708	05	p0667	N91-13705	#
DE91-002709	05	p0667	N91-13706	#
DE91-002710	06	p0813	N91-14492	#
DE91-002711	08	p1235	N91-16808	#
DE91-002715	06	p0808	N91-14460	#
DE91-002717	05	p0721	N91-14022	#
DE91-002718	05	p0721	N91-14023	#
DE91-002719	05	p0721	N91-14024	#
DE91-002720	05	p0721	N91-14025	#
DE91-002756	05	p0727	N91-14064	#
DE91-002758	06	p0870	N91-14809	#
DE91-002759	06	p0830	N91-14584	#
DE91-002770	05	p0721	N91-14026	#
DE91-002771	06	p0875	N91-14841	#
DE91-002780	09	p1375	N91-17554	#
DE91-002781	06	p0841	N91-14646	#
DE91-002783	06	p0858	N91-14740	#
DE91-002784	05	p0667	N91-13707	#
DE91-002785	06	p0843	N91-14659	#
DE91-002790	15	p2424	N91-23429	#
DE91-002792	15	p2425	N91-23430	#
DE91-002795	05	p0702	N91-13915	#
DE91-002796	06	p0876	N91-14842	#
DE91-002802	06	p0849	N91-14688	#
DE91-002811	06	p0883	N91-14879	#
DE91-002854	06	p0872	N91-14818	#
DE91-002860	07	p1013	N91-15561	#
DE91-002869	06	p0880	N91-14860	#
DE91-002870	06	p0870	N91-14810	#
DE91-002871	06	p0814	N91-14498*	#
DE91-002880	08	p1159	N91-16385*	#
DE91-002887	06	p0808	N91-14461	#
DE91-002929	06	p0843	N91-14660	#
DE91-002947	06	p0821	N91-14534	#
DE91-002949	06	p0873	N91-14827	#
DE91-002951	05	p0686	N91-13815	#
DE91-002954	07	p1071	N91-15892	#
DE91-002956	05	p0705	N91-13933	#
DE91-002968	07	p1068	N91-15876	#
DE91-002969	06	p0841	N91-14647*	#
DE91-002971	06	p0842	N91-14653	#
DE91-002973	07	p1056	N91-15801	#
DE91-002996	06	p0816	N91-14507	#
DE91-003017	06	p0831	N91-14593	#
DE91-003064	11	p1703	N91-19380	#
DE91-004003	06	p0870	N91-14811	#
DE91-004004	05	p0674	N91-13746	#
DE91-004005	06	p0871	N91-14812	#
DE91-004021	06	p0880	N91-14861	#
DE91-004025	07	p1068	N91-15877	#
DE91-004027	06	p0883	N91-14880	#
DE91-004031	07	p0985	N91-15408	#
DE91-004032	07	p1065	N91-15855	#
DE91-004034	07	p1068	N91-15878	#
DE91-004035	07	p0979	N91-15371	#
DE91-004037	08	p1134	N91-16242	#
DE91-004044	10	p1537	N91-18462	#
DE91-004053	05	p0642	N91-13565	#
DE91-004065	07	p1031	N91-15659	#
DE91-004068	07	p1026	N91-15633	#
DE91-004072	06	p0841	N91-14648	#
DE91-004076	07	p1049	N91-15761	#
DE91-004108	07	p1022	N91-15609	#
DE91-004114	07	p1034	N91-15671	#
DE91-004117	07	p1034	N91-15672	#
DE91-004118	07	p1069	N91-15882	#
DE91-004130	07	p1073	N91-15905	#
DE91-004138	06	p0884	N91-14887	#
DE91-004140	05	p0729	N91-14073	#
DE91-004146	06	p0828	N91-14573	#
DE91-004147	10	p1532	N91-18438	#
DE91-004151	07	p1011	N91-15551*	#
DE91-004159	08	p1221	N91-16725	#
DE91-004166	10	p1516	N91-18348	#
DE91-004167	05	p0712	N91-13973	#
DE91-004168	10	p1495	N91-18229	#
DE91-004171	07	p0975	N91-15353	#
DE91-004175	05	p0710	N91-13962	#
DE91-004189	05	p0765	N91-14250	#
DE91-004190	05	p0661	N91-13671	#
DE91-004192	06	p0873	N91-14828	#
DE91-004195	06	p0821	N91-14535	#
DE91-004227	07	p1064	N91-15853	#
DE91-004229	06	p0830	N91-14585	#
DE91-004236	07	p1071	N91-15893	#
DE91-004245	07	p1071	N91-15894	#
DE91-004279	07	p1013	N91-15563	#
DE91-004286	07	p1081	N91-15948	#
DE91-004290	09	p1356	N91-17447	#
DE91-004296	07	p0976	N91-15355	#
DE91-004297	06	p0819	N91-14526	#
DE91-004299	07	p0979	N91-15372	#
DE91-004300	05	p0731	N91-14084	#
DE91-004301	07	p1069	N91-15879	#
DE91-004302	09	p1394	N91-17668	#
DE91-004314	07	p1075	N91-15916	#
DE91-004327	07	p0980	N91-15381	#
DE91-004328	05	p0679	N91-13774	#
DE91-004376	07	p0982	N91-15392	#
DE91-004379	11	p1785	N91-19793	#
DE91-004380	07	p0979	N91-15373	#

DE91-004390 ..... 07 p1011 N91-15552 #
DE91-004391 ..... 07 p1011 N91-15553 #
DE91-004393 ..... 07 p1011 N91-15554* #
DE91-004395 ..... 07 p1071 N91-15895 #
DE91-004396 ..... 07 p1072 N91-15896 #
DE91-004398 ..... 07 p1072 N91-15897 #
DE91-004405 ..... 10 p1504 N91-18276 #
DE91-004408 ..... 07 p1073 N91-15904 #
DE91-004414 ..... 07 p0998 N91-15482 #
DE91-004415 ..... 08 p1119 N91-16149 #
DE91-004417 ..... 07 p0999 N91-15483 #
DE91-004418 ..... 07 p1013 N91-15564 #
DE91-004420 ..... 08 p1111 N91-16101 #
DE91-004424 ..... 07 p0970 N91-15324 #
DE91-004425 ..... 08 p1235 N91-16809 #
DE91-004429 ..... 05 p0722 N91-14028 #
DE91-004431 ..... 08 p1191 N91-16546 #
DE91-004433 ..... 07 p1081 N91-15949 #
DE91-004440 ..... 07 p1073 N91-15906 #
DE91-004447 ..... 07 p1002 N91-15502 #
DE91-004448 ..... 06 p0862 N91-14765 #
DE91-004449 ..... 07 p1033 N91-15667 #
DE91-004454 ..... 06 p0871 N91-14815 #
DE91-004461 ..... 07 p0986 N91-15411 #
DE91-004474 ..... 07 p1065 N91-15856 #
DE91-004475 ..... 05 p0714 N91-13983 #
DE91-004477 ..... 06 p0883 N91-14881 #
DE91-004478 ..... 06 p0883 N91-14882 #
DE91-004481 ..... 08 p1235 N91-16810 #
DE91-004483 ..... 06 p0883 N91-14883 #
DE91-004488 ..... 06 p0884 N91-14884 #
DE91-004489 ..... 06 p0810 N91-14472 #
DE91-004497 ..... 07 p0970 N91-15325 #
DE91-004501 ..... 11 p1687 N91-19297 #
DE91-004503 ..... 13 p2143 N91-21802 #
DE91-004504 ..... 05 p0715 N91-13990 #
DE91-004505 ..... 09 p1415 N91-17790 #
DE91-004506 ..... 06 p0810 N91-14473 #
DE91-004507 ..... 08 p1134 N91-16240 #
DE91-004510 ..... 09 p1356 N91-17448 #
DE91-004511 ..... 06 p0813 N91-14493 #
DE91-004512 ..... 07 p0985 N91-15409 #
DE91-004516 ..... 07 p0980 N91-15379 #
DE91-004523 ..... 09 p1317 N91-17232 #
DE91-004527 ..... 06 p0804 N91-14436 #
DE91-004530 ..... 06 p0836 N91-14623 #
DE91-004531 ..... 09 p1310 N91-17191* #
DE91-004535 ..... 07 p1083 N91-15957* #
DE91-004537 ..... 11 p1783 N91-19779 #
DE91-004542 ..... 13 p2114 N91-21637 #
DE91-004554 ..... 07 p1027 N91-15636 #
DE91-004562 ..... 06 p0806 N91-14450 #
DE91-004565 ..... 09 p1356 N91-17449 #
DE91-004568 ..... 09 p1356 N91-17450 #
DE91-004569 ..... 07 p0986 N91-15410 #
DE91-004582 ..... 06 p0867 N91-14792 #
DE91-004583 ..... 08 p1265 N91-16966 #
DE91-004584 ..... 07 p1083 N91-15958 #
DE91-004588 ..... 09 p1312 N91-17203 #
DE91-004589 ..... 06 p0832 N91-14599 #
DE91-004595 ..... 07 p1027 N91-15637 #
DE91-004622 ..... 08 p1239 N91-16831 #
DE91-004623 ..... 11 p1726 N91-19503 #
DE91-004625 ..... 10 p1524 N91-18391 #
DE91-004654 ..... 07 p1077 N91-15923 #
DE91-004674 ..... 06 p0824 N91-14554 #
DE91-004683 ..... 07 p0999 N91-15484 #
DE91-004684 ..... 07 p1039 N91-15697 #
DE91-004696 ..... 07 p1032 N91-15664 #
DE91-004698 ..... 07 p0945 N91-15179 #
DE91-004699 ..... 07 p1027 N91-15638 #
DE91-004722 ..... 08 p1115 N91-16127 #
DE91-004723 ..... 15 p2506 N91-23885 #
DE91-004727 ..... 09 p1413 N91-17779 #
DE91-004734 ..... 07 p0966 N91-15304 #
DE91-004737 ..... 07 p1033 N91-15668 #
DE91-004742 ..... 10 p1503 N91-18270 #
DE91-004744 ..... 09 p1361 N91-17480 #
DE91-004747 ..... 10 p1580 N91-18694 #
DE91-004755 ..... 09 p1337 N91-17345 #
DE91-004769 ..... 08 p1236 N91-16811 #
DE91-004770 ..... 10 p1502 N91-18265 #
DE91-004771 ..... 09 p1348 N91-17405 #
DE91-004773 ..... 07 p1070 N91-15884 #
DE91-004777 ..... 10 p1575 N91-18667 #
DE91-004780 ..... 07 p0970 N91-15326 #
DE91-004781 ..... 07 p1010 N91-15545 #
DE91-004782 ..... 10 p1563 N91-18596 #
DE91-004783 ..... 07 p1065 N91-15857 #
DE91-004787 ..... 07 p0966 N91-15305 #
DE91-004791 ..... 09 p1341 N91-17365 #
DE91-004803 ..... 07 p1027 N91-15640 #
DE91-004807 ..... 09 p1371 N91-17537 #
DE91-004809 ..... 07 p1027 N91-15639 #
DE91-004811 ..... 07 p1065 N91-15858 #
DE91-004813 ..... 07 p0981 N91-15382 #
DE91-004816 ..... 10 p1504 N91-18277 #
DE91-004818 ..... 07 p1012 N91-15555 #
DE91-004819 ..... 09 p1399 N91-17700 #
DE91-004821 ..... 10 p1519 N91-18362 #
DE91-004822 ..... 07 p1002 N91-15503 #
DE91-004824 ..... 10 p1563 N91-18600 #
DE91-004829 ..... 18 p2986 N91-26484 #
DE91-004831 ..... 09 p1375 N91-17555 #
DE91-004833 ..... 08 p1154 N91-16357 #
DE91-004835 ..... 08 p1142 N91-16288 #
DE91-004841 ..... 11 p1797 N91-19860 #
DE91-004842 ..... 08 p1229 N91-16777 #
DE91-004843 ..... 07 p0987 N91-15419 #
DE91-004844 ..... 09 p1341 N91-17366 #
DE91-004846 ..... 09 p1388 N91-17636 #
DE91-004848 ..... 08 p1266 N91-16968 #
DE91-004855 ..... 08 p1229 N91-16778 #
DE91-004856 ..... 10 p1555 N91-18550* #
DE91-004858 ..... 07 p1073 N91-15907 #
DE91-004859 ..... 07 p0981 N91-15383 #
DE91-004860 ..... 09 p1383 N91-17607 #
DE91-004861 ..... 07 p0981 N91-15384 #
DE91-004863 ..... 09 p1395 N91-17674 #
DE91-004865 ..... 07 p1073 N91-15908 #
DE91-004866 ..... 10 p1525 N91-18400 #
DE91-004867 ..... 07 p1074 N91-15909 #
DE91-004875 ..... 10 p1496 N91-18233 #
DE91-004879 ..... 07 p1089 N91-15883 #
DE91-004882 ..... 10 p1605 N91-18855 #
DE91-004886 ..... 10 p1596 N91-18807 #
DE91-004887 ..... 10 p1496 N91-18234 #
DE91-004888 ..... 07 p1075 N91-15917 #
DE91-004891 ..... 07 p0981 N91-15385 #
DE91-004892 ..... 07 p0981 N91-15386 #
DE91-004893 ..... 07 p0981 N91-15387 #
DE91-004894 ..... 07 p0982 N91-15388 #
DE91-004897 ..... 18 p2988 N91-26495 #
DE91-004898 ..... 08 p1236 N91-16812 #
DE91-004901 ..... 07 p1077 N91-15924 #
DE91-004904 ..... 07 p1077 N91-15925 #
DE91-004907 ..... 07 p1028 N91-15641 #
DE91-004911 ..... 08 p1221 N91-16726 #
DE91-004918 ..... 10 p1521 N91-18378 #
DE91-004921 ..... 09 p1406 N91-17735 #
DE91-004923 ..... 10 p1600 N91-18827 #
DE91-004928 ..... 09 p1393 N91-17667 #
DE91-004930 ..... 10 p1569 N91-18629 #
DE91-004943 ..... 11 p1782 N91-19775 #
DE91-004946 ..... 07 p0970 N91-15327 #
DE91-004949 ..... 10 p1564 N91-18604 #
DE91-004952 ..... 08 p1213 N91-16674 #
DE91-004973 ..... 09 p1293 N91-17107 #
DE91-004975 ..... 10 p1594 N91-18794 #
DE91-004982 ..... 10 p1556 N91-18556 #
DE91-004993 ..... 10 p1527 N91-18411 #
DE91-004996 ..... 11 p1694 N91-19330 #
DE91-004997 ..... 10 p1507 N91-18295 #
DE91-005004 ..... 07 p0983 N91-15393 #
DE91-005018 ..... 08 p1236 N91-16814 #
DE91-005020 ..... 10 p1543 N91-18492 #
DE91-005032 ..... 08 p1119 N91-16151 #
DE91-005034 ..... 10 p1601 N91-18828 #
DE91-005038 ..... 09 p1355 N91-17441 #
DE91-005039 ..... 09 p1364 N91-17495 #
DE91-005040 ..... 09 p1427 N91-17856 #
DE91-005041 ..... 09 p1364 N91-17496 #
DE91-005043 ..... 10 p1601 N91-18829 #
DE91-005045 ..... 10 p1497 N91-18242 #
DE91-005054 ..... 10 p1544 N91-18497 #
DE91-005055 ..... 09 p1343 N91-17377 #
DE91-005059 ..... 13 p2091 N91-21509 #
DE91-005061 ..... 13 p2089 N91-21497 #
DE91-005066 ..... 10 p1590 N91-18769 #
DE91-005069 ..... 07 p1054 N91-15789 #
DE91-005070 ..... 18 p2986 N91-26485 #
DE91-005071 ..... 07 p1008 N91-15536 #
DE91-005072 ..... 17 p2919 N91-26111 #
DE91-005073 ..... 07 p1003 N91-15504 #
DE91-005077 ..... 10 p1503 N91-18271 #
DE91-005081 ..... 10 p1495 N91-18230 #
DE91-005086 ..... 10 p1562 N91-18594 #
DE91-005095 ..... 07 p0995 N91-15459 #
DE91-005096 ..... 10 p1591 N91-18773 #
DE91-005120 ..... 07 p1050 N91-15762 #
DE91-005130 ..... 10 p1558 N91-18568 #
DE91-005143 ..... 10 p1539 N91-18470 #
DE91-005178 ..... 10 p1505 N91-18281 #
DE91-005181 ..... 10 p1521 N91-18379 #
DE91-005182 ..... 10 p1505 N91-18282 #
DE91-005183 ..... 09 p1318 N91-17239 #
DE91-005185 ..... 10 p1543 N91-18493 #
DE91-005199 ..... 09 p1411 N91-17766 #
DE91-005210 ..... 09 p1339 N91-17355 #
DE91-005211 ..... 08 p1154 N91-16358 #
DE91-005214 ..... 09 p1383 N91-17608 #
DE91-005221 ..... 10 p1523 N91-18387 #

DE91-005223 ..... 10 p1528 N91-18414 #
DE91-005224 ..... 11 p1727 N91-19510 #
DE91-005225 ..... 10 p1544 N91-18498 #
DE91-005226 ..... 10 p1617 N91-18915 #
DE91-005228 ..... 07 p1083 N91-15960 #
DE91-005229 ..... 10 p1596 N91-18805 #
DE91-005230 ..... 10 p1604 N91-18848 #
DE91-005232 ..... 09 p1303 N91-17150 #
DE91-005233 ..... 10 p1604 N91-18849 #
DE91-005234 ..... 09 p1411 N91-17767 #
DE91-005236 ..... 13 p2091 N91-21510 #
DE91-005237 ..... 10 p1613 N91-18901 #
DE91-005239 ..... 10 p1602 N91-18833 #
DE91-005240 ..... 15 p2425 N91-23431 #
DE91-005241 ..... 10 p1594 N91-18797 #
DE91-005244 ..... 10 p1538 N91-18463 #
DE91-005245 ..... 10 p1594 N91-18792 #
DE91-005247 ..... 10 p1606 N91-18859 #
DE91-005261 ..... 10 p1556 N91-18557 #
DE91-005262 ..... 10 p1569 N91-18630 #
DE91-005266 ..... 09 p1339 N91-17356 #
DE91-005267 ..... 09 p1450 N91-18000 #
DE91-005268 ..... 08 p1268 N91-16982 #
DE91-005269 ..... 09 p1343 N91-17378 #
DE91-005272 ..... 09 p1406 N91-17736 #
DE91-005290 ..... 10 p1611 N91-18887 #
DE91-005291 ..... 10 p1526 N91-18404 #
DE91-005292 ..... 10 p1604 N91-18850 #
DE91-005310 ..... 15 p2507 N91-23892 #
DE91-005312 ..... 13 p2052 N91-21292 #
DE91-005348 ..... 09 p1360 N91-17474 #
DE91-005349 ..... 11 p1682 N91-19267 #
DE91-005350 ..... 10 p1591 N91-18774 #
DE91-005351 ..... 09 p1388 N91-17637 #
DE91-005352 ..... 09 p1360 N91-17475 #
DE91-005369 ..... 10 p1498 N91-18245 #
DE91-005372 ..... 10 p1535 N91-18453 #
DE91-005386 ..... 10 p1559 N91-18572 #
DE91-005397 ..... 10 p1494 N91-18224 #
DE91-005398 ..... 10 p1517 N91-18353 #
DE91-005399 ..... 10 p1507 N91-18294 #
DE91-005400 ..... 10 p1569 N91-18626 #
DE91-005401 ..... 10 p1494 N91-18225 #
DE91-005402 ..... 09 p1411 N91-17768 #
DE91-005403 ..... 10 p1606 N91-18860 #
DE91-005404 ..... 09 p1315 N91-17220 #
DE91-005405 ..... 10 p1524 N91-18388 #
DE91-005414 ..... 10 p1528 N91-18412 #
DE91-005421 ..... 10 p1591 N91-18770 #
DE91-005422 ..... 10 p1543 N91-18495 #
DE91-005423 ..... 10 p1524 N91-18389 #
DE91-005430 ..... 09 p1427 N91-17857 #
DE91-005431 ..... 10 p1517 N91-18354 #
DE91-005433 ..... 10 p1518 N91-18355 #
DE91-005439 ..... 09 p1373 N91-17544 #
DE91-005440 ..... 09 p1328 N91-17294 #
DE91-005447 ..... 10 p1542 N91-18486 #
DE91-005450 ..... 10 p1498 N91-18246 #
DE91-005459 ..... 13 p2156 N91-21882 #
DE91-005474 ..... 13 p2158 N91-21897 #
DE91-005482 ..... 10 p1539 N91-18471 #
DE91-005488 ..... 13 p2156 N91-21883 #
DE91-005489 ..... 13 p2156 N91-21884 #
DE91-005490 ..... 13 p2156 N91-21885 #
DE91-005491 ..... 13 p2156 N91-21886 #
DE91-005503 ..... 09 p1360 N91-17476 #
DE91-005506 ..... 09 p1316 N91-17221 #
DE91-005509 ..... 10 p1604 N91-18851 #
DE91-005511 ..... 11 p1678 N91-19250 #
DE91-005514 ..... 10 p1605 N91-18856 #
DE91-005515 ..... 09 p1316 N91-17222 #
DE91-005516 ..... 15 p2405 N91-23316 #
DE91-005518 ..... 09 p1312 N91-17204 #
DE91-005520 ..... 10 p1611 N91-18889 #
DE91-005521 ..... 11 p1686 N91-19290 #
DE91-005526 ..... 10 p1601 N91-18830 #
DE91-005533 ..... 10 p1526 N91-18401 #
DE91-005536 ..... 10 p1609 N91-18882 #
DE91-005540 ..... 11 p1726 N91-19505 #
DE91-005542 ..... 13 p2052 N91-21293 #
DE91-005544 ..... 10 p1590 N91-18764 #
DE91-005555 ..... 10 p1591 N91-18775 #
DE91-005557 ..... 10 p1592 N91-18776 #
DE91-005561 ..... 18 p2951 N91-26284 #
DE91-005566 ..... 09 p1412 N91-17769 #
DE91-005568 ..... 10 p1502 N91-18266 #
DE91-005571 ..... 10 p1502 N91-18267 #
DE91-005573 ..... 09 p1362 N91-17484 #
DE91-005574 ..... 09 p1395 N91-17679 #
DE91-005582 ..... 09 p1398 N91-17691 #
DE91-005592 ..... 10 p1608 N91-18875 #
DE91-005594 ..... 10 p1522 N91-18382 #
DE91-005602 ..... 09 p1388 N91-17632 #
DE91-005609 ..... 10 p1539 N91-18472 #
DE91-005610 ..... 10 p1494 N91-18226 #
DE91-005612 ..... 10 p1537 N91-18459 #
DE91-005615 ..... 09 p1361 N91-17481 #
DE91-005617 ..... 10 p1500 N91-18255 #
DE91-005620 ..... 11 p1778 N91-19751 #
DE91-005629 ..... 09 p1361 N91-17482 #
DE91-005631 ..... 10 p1461 N91-18060 #
DE91-005632 ..... 10 p1526 N91-18405 #
DE91-005636 ..... 10 p1541 N91-18482 #
DE91-005637 ..... 10 p1502 N91-18268 #
DE91-005638 ..... 09 p1318 N91-17240 #
DE91-005644 ..... 09 p1319 N91-17244 #
DE91-005648 ..... 09 p1374 N91-17550 #
DE91-005650 ..... 11 p1652 N91-19104 #
DE91-005652 ..... 11 p1707 N91-19399 #
DE91-005658 ..... 09 p1314 N91-17215 #
DE91-005669 ..... 09 p1320 N91-17247 #
DE91-005676 ..... 10 p1502 N91-18269 #
DE91-005680 ..... 09 p1353 N91-17431 #
DE91-005699 ..... 11 p1793 N91-19834 #
DE91-005720 ..... 09 p1309 N91-17184 #
DE91-005721 ..... 10 p1594 N91-18795 #
DE91-005729 ..... 11 p1690 N91-19313 #
DE91-005730 ..... 11 p1678 N91-19251 #
DE91-005734 ..... 10 p1606 N91-18861 #
DE91-005741 ..... 11 p1726 N91-19504 #
DE91-005743 ..... 10 p1541 N91-18483 #
DE91-005744 ..... 09 p1398 N91-17694 #
DE91-005747 ..... 10 p1500 N91-18256 #
DE91-005749 ..... 10 p1498 N91-18247 #
DE91-005778 ..... 09 p1356 N91-17451 #
DE91-005779 ..... 10 p1592 N91-18777 #
DE91-005785 ..... 09 p1413 N91-17780 #
DE91-005800 ..... 09 p1330 N91-17306 #
DE91-005833 ..... 10 p1541 N91-18484 #
DE91-005834 ..... 10 p1524 N91-18392 #
DE91-005839 ..... 09 p1414 N91-17781 #
DE91-005849 ..... 09 p1414 N91-17782 #
DE91-005850 ..... 09 p1406 N91-17739 #
DE91-005852 ..... 10 p1500 N91-18257 #
DE91-005854 ..... 10 p1594 N91-18796 #
DE91-005855 ..... 09 p1343 N91-17379 #
DE91-005856 ..... 10 p1462 N91-18061 #
DE91-005859 ..... 10 p1540 N91-18475 #
DE91-005861 ..... 09 p1342 N91-17373 #
DE91-005863 ..... 10 p1613 N91-18903 #
DE91-005868 ..... 10 p1506 N91-18290 #
DE91-005870 ..... 09 p1426 N91-17848 #
DE91-005872 ..... 09 p1320 N91-17249 #
DE91-005874 ..... 09 p1414 N91-17783 #
DE91-005875 ..... 09 p1313 N91-17205 #
DE91-005876 ..... 09 p1427 N91-17858 #
DE91-005880 ..... 10 p1604 N91-18852 #
DE91-005881 ..... 09 p1391 N91-17656 #
DE91-005890 ..... 09 p1426 N91-17849 #
DE91-005895 ..... 15 p2483 N91-23742 #
DE91-005898 ..... 10 p1605 N91-18853 #
DE91-005915 ..... 11 p1806 N91-19920 #
DE91-005917 ..... 10 p1601 N91-18831 #
DE91-005922 ..... 09 p1330 N91-17305 #
DE91-005925 ..... 10 p1489 N91-18207 #
DE91-005926 ..... 09 p1450 N91-18002 #
DE91-005933 ..... 10 p1500 N91-18258 #
DE91-005937 ..... 09 p1343 N91-17374 #
DE91-005939 ..... 09 p1391 N91-17655 #
DE91-005940 ..... 10 p1601 N91-18832 #
DE91-005946 ..... 19 p3257 N91-28015 #
DE91-005948 ..... 10 p1611 N91-18888 #
DE91-005949 ..... 10 p1586 N91-18743 #
DE91-005950 ..... 10 p1605 N91-18854 #
DE91-005962 ..... 10 p1518 N91-18357 #
DE91-005979 ..... 10 p1563 N91-18595 #
DE91-005981 ..... 10 p1593 N91-18784 #
DE91-005985 ..... 10 p1542 N91-18487 #
DE91-005987 ..... 09 p1406 N91-17740 #
DE91-005988 ..... 09 p1428 N91-17859 #
DE91-005996 ..... 10 p1535 N91-18449 #
DE91-006001 ..... 15 p2445 N91-23542 #
DE91-006002 ..... 13 p2143 N91-21803 #
DE91-006003 ..... 10 p1505 N91-18283 #
DE91-006007 ..... 11 p1709 N91-19414 #
DE91-006008 ..... 10 p1503 N91-18272 #
DE91-006011 ..... 09 p1419 N91-17810 #
DE91-006015 ..... 11 p1679 N91-19252 #
DE91-006016 ..... 10 p1606 N91-18862 #
DE91-006019 ..... 09 p1414 N91-17784 #
DE91-006027 ..... 09 p1398 N91-17692 #
DE91-006028 ..... 09 p1391 N91-17657 #
DE91-006030 ..... 09 p1389 N91-17638 #
DE91-006032 ..... 09 p1315 N91-17216 #
DE91-006033 ..... 09 p1414 N91-17785 #
DE91-006035 ..... 09 p1315 N91-17217 #
DE91-006037 ..... 09 p1316 N91-17223 #
DE91-006044 ..... 19 p3217 N91-27781 #
DE91-006045 ..... 11 p1679 N91-19253 #
DE91-006046 ..... 09 p1396 N91-17685 #
DE91-006047 ..... 15 p2483 N91-23743 #
DE91-006053 ..... 09 p1348 N91-17404 #

DE91-006071 ..... 10 p1518 N91-18356 #
DE91-006078 ..... 09 p1319 N91-17241 #
DE91-006079 ..... 10 p1504 N91-18278 #
DE91-006087 ..... 09 p1397 N91-17689 #
DE91-006088 ..... 09 p1414 N91-17786 #
DE91-006089 ..... 13 p2104 N91-21582 #
DE91-006091 ..... 10 p1558 N91-18569 #
DE91-006093 ..... 09 p1415 N91-17787 #
DE91-006100 ..... 10 p1485 N91-18182 #
DE91-006102 ..... 10 p1544 N91-18499 #
DE91-006110 ..... 10 p1491 N91-18210 #
DE91-006111 ..... 09 p1407 N91-17741 #
DE91-006116 ..... 10 p1518 N91-18358 #
DE91-006117 ..... 10 p1518 N91-18359 #
DE91-006118 ..... 10 p1518 N91-18360 #
DE91-006127 ..... 09 p1407 N91-17742 #
DE91-006130 ..... 10 p1531 N91-18437 #
DE91-006132 ..... 09 p1315 N91-17218 #
DE91-006135 ..... 10 p1602 N91-18834 #
DE91-006139 ..... 11 p1716 N91-19450 #
DE91-006143 ..... 10 p1491 N91-18211 #
DE91-006144 ..... 10 p1513 N91-18330 #
DE91-006147 ..... 09 p1407 N91-17743 #
DE91-006150 ..... 09 p1373 N91-17546 #
DE91-006155 ..... 10 p1606 N91-18863 #
DE91-006156 ..... 09 p1415 N91-17791 #
DE91-006159 ..... 09 p1337 N91-17346 #
DE91-006170 ..... 10 p1532 N91-18439 #
DE91-006179 ..... 10 p1595 N91-18798 #
DE91-006208 ..... 15 p2405 N91-23317 #
DE91-006209 ..... 10 p1524 N91-18393 #
DE91-006214 ..... 09 p1330 N91-17307 #
DE91-006219 ..... 09 p1408 N91-17746 #
DE91-006220 ..... 11 p1679 N91-19254 #
DE91-006224 ..... 16 p2652 N91-24677 #
DE91-006231 ..... 10 p1519 N91-18363 #
DE91-006236 ..... 10 p1528 N91-18415 #
DE91-006237 ..... 09 p1415 N91-17788 #
DE91-006238 ..... 09 p1343 N91-17375 #
DE91-006239 ..... 10 p1614 N91-18904 #
DE91-006242 ..... 10 p1525 N91-18394 #
DE91-006243 ..... 09 p1330 N91-17308 #
DE91-006244 ..... 09 p1393 N91-17666 #
DE91-006245 ..... 09 p1408 N91-17747 #
DE91-006246 ..... 09 p1343 N91-17376 #
DE91-006248 ..... 09 p1397 N91-17686 #
DE91-006249 ..... 10 p1563 N91-18597 #
DE91-006251 ..... 10 p1563 N91-18598 #
DE91-006253 ..... 10 p1617 N91-18917 #
DE91-006256 ..... 09 p1407 N91-17744 #
DE91-006257 ..... 10 p1528 N91-18416 #
DE91-006259 ..... 10 p1576 N91-18674 #
DE91-006261 ..... 09 p1310 N91-17192 #
DE91-006267 ..... 20 p3302 N91-28274 #
DE91-006268 ..... 10 p1592 N91-18778 #
DE91-006271 ..... 10 p1592 N91-18779 #
DE91-006274 ..... 15 p2405 N91-23318 #
DE91-006276 ..... 09 p1397 N91-17687 #
DE91-006280 ..... 10 p1532 N91-18441 #
DE91-006283 ..... 09 p1319 N91-17242 #
DE91-006284 ..... 09 p1316 N91-17224 #
DE91-006294 ..... 09 p1286 N91-17072 #
DE91-006303 ..... 10 p1544 N91-18500 #
DE91-006305 ..... 10 p1595 N91-18802 #
DE91-006313 ..... 10 p1496 N91-18235 #
DE91-006332 ..... 09 p1407 N91-17745 #
DE91-006336 ..... 09 p1315 N91-17219 #
DE91-006340 ..... 10 p1614 N91-18905 #
DE91-006341 ..... 11 p1726 N91-19506 #
DE91-006349 ..... 09 p1399 N91-17701 #
DE91-006364 ..... 10 p1501 N91-18259 #
DE91-006370 ..... 09 p1316 N91-17225 #
DE91-006379 ..... 13 p2152 N91-21864 #
DE91-006381 ..... 10 p1617 N91-18918* #
DE91-006384 ..... 09 p1428 N91-17860* #
DE91-006385 ..... 10 p1618 N91-18919 #
DE91-006387 ..... 09 p1397 N91-17688 #
DE91-006391 ..... 10 p1606 N91-18864 #
DE91-006392 ..... 15 p2443 N91-23534 #
DE91-006393 ..... 11 p1726 N91-19507 #
DE91-006394 ..... 10 p1575 N91-18668 #
DE91-006395 ..... 10 p1592 N91-18780 #
DE91-006406 ..... 11 p1727 N91-19508 #
DE91-006416 ..... 10 p1499 N91-18248 #
DE91-006419 ..... 09 p1415 N91-17792 #
DE91-006420 ..... 09 p1416 N91-17793 #
DE91-006422 ..... 10 p1501 N91-18260 #
DE91-006432 ..... 11 p1652 N91-19103 #
DE91-006436 ..... 09 p1316 N91-17226 #
DE91-006441 ..... 09 p1416 N91-17794 #
DE91-006451 ..... 10 p1575 N91-18669 #
DE91-006465 ..... 11 p1691 N91-19314 #
DE91-006468 ..... 09 p1416 N91-17795 #
DE91-006470 ..... 10 p1541 N91-18480 #
DE91-006471 ..... 09 p1316 N91-17227 #
DE91-006477 ..... 10 p1493 N91-18220 #
DE91-006481 ..... 09 p1398 N91-17695 #
DE91-006483 ..... 09 p1399 N91-17702 #
DE91-006489 ..... 09 p1450 N91-18001 #
DE91-006491 ..... 11 p1714 N91-19440 #
DE91-006510 ..... 09 p1408 N91-17748 #
DE91-006512 ..... 10 p1529 N91-18417 #
DE91-006513 ..... 10 p1529 N91-18418 #
DE91-006514 ..... 11 p1737 N91-19553 #
DE91-006515 ..... 09 p1408 N91-17749 #
DE91-006529 ..... 09 p1408 N91-17750 #
DE91-006532 ..... 09 p1416 N91-17796 #
DE91-006536 ..... 10 p1504 N91-18279 #
DE91-006537 ..... 11 p1687 N91-19298 #
DE91-006542 ..... 10 p1559 N91-18570 #
DE91-006543 ..... 11 p1697 N91-19346 #
DE91-006544 ..... 09 p1416 N91-17797 #
DE91-006545 ..... 10 p1472 N91-18111 #
DE91-006547 ..... 09 p1417 N91-17798 #
DE91-006548 ..... 09 p1417 N91-17799 #
DE91-006550 ..... 10 p1611 N91-18890 #
DE91-006552 ..... 09 p1417 N91-17800 #
DE91-006554 ..... 10 p1605 N91-18857 #
DE91-006557 ..... 10 p1605 N91-18858 #
DE91-006559 ..... 09 p1417 N91-17801 #
DE91-006563 ..... 09 p1417 N91-17802 #
DE91-006564 ..... 09 p1417 N91-17803 #
DE91-006565 ..... 13 p2078 N91-21449 #
DE91-006569 ..... 09 p1418 N91-17804 #
DE91-006570 ..... 09 p1418 N91-17805 #
DE91-006571 ..... 10 p1499 N91-18252 #
DE91-006584 ..... 10 p1606 N91-18865* #
DE91-006585 ..... 09 p1418 N91-17806 #
DE91-006586 ..... 10 p1499 N91-18253 #
DE91-006588 ..... 09 p1317 N91-17228 #
DE91-006589 ..... 10 p1501 N91-18261 #
DE91-006590 ..... 10 p1607 N91-18866 #
DE91-006591 ..... 11 p1776 N91-19743 #
DE91-006592 ..... 10 p1607 N91-18867 #
DE91-006593 ..... 10 p1607 N91-18868 #
DE91-006594 ..... 09 p1418 N91-17807 #
DE91-006596 ..... 09 p1418 N91-17808 #
DE91-006600 ..... 10 p1529 N91-18419 #
DE91-006603 ..... 10 p1607 N91-18869 #
DE91-006608 ..... 10 p1507 N91-18292 #
DE91-006615 ..... 10 p1613 N91-18902 #
DE91-006619 ..... 10 p1559 N91-18571 #
DE91-006620 ..... 11 p1727 N91-19509 #
DE91-006629 ..... 11 p1809 N91-19936 #
DE91-006630 ..... 10 p1495 N91-18231 #
DE91-006633 ..... 10 p1497 N91-18238 #
DE91-006639 ..... 11 p1697 N91-19344 #
DE91-006644 ..... 10 p1519 N91-18364 #
DE91-006649 ..... 10 p1602 N91-18835 #
DE91-006652 ..... 10 p1607 N91-18870 #
DE91-006654 ..... 10 p1609 N91-18883 #
DE91-006657 ..... 10 p1499 N91-18249 #
DE91-006662 ..... 10 p1503 N91-18273 #
DE91-006663 ..... 10 p1519 N91-18365 #
DE91-006665 ..... 10 p1545 N91-18502 #
DE91-006674 ..... 11 p1776 N91-19744 #
DE91-006675 ..... 10 p1608 N91-18871 #
DE91-006682 ..... 10 p1529 N91-18420 #
DE91-006683 ..... 10 p1602 N91-18836 #
DE91-006686 ..... 10 p1625 N91-18965 #
DE91-006687 ..... 09 p1397 N91-17690 #
DE91-006692 ..... 10 p1610 N91-18884 #
DE91-006695 ..... 12 p1978 N91-20884 #
DE91-006701 ..... 11 p1707 N91-19400 #
DE91-006703 ..... 12 p1918 N91-20552 #
DE91-006706 ..... 11 p1733 N91-19530 #
DE91-006707 ..... 11 p1806 N91-19921 #
DE91-006709 ..... 10 p1505 N91-18284 #
DE91-006710 ..... 09 p1343 N91-17380 #
DE91-006711 ..... 11 p1682 N91-19268 #
DE91-006714 ..... 10 p1608 N91-18876 #
DE91-006716 ..... 10 p1595 N91-18799* #
DE91-006718 ..... 10 p1483 N91-18176 #
DE91-006721 ..... 10 p1484 N91-18177 #
DE91-006724 ..... 11 p1776 N91-19738 #
DE91-006738 ..... 11 p1737 N91-19554 #
DE91-006740 ..... 16 p2612 N91-24461 #
DE91-006741 ..... 10 p1507 N91-18296 #
DE91-006749 ..... 09 p1344 N91-17381 #
DE91-006753 ..... 11 p1698 N91-19352 #
DE91-006754 ..... 10 p1541 N91-18481 #
DE91-006760 ..... 11 p1692 N91-19322 #
DE91-006765 ..... 10 p1503 N91-18274 #
DE91-006771 ..... 11 p1807 N91-19922 #
DE91-006773 ..... 10 p1609 N91-18877 #
DE91-006774 ..... 10 p1500 N91-18254 #
DE91-006775 ..... 11 p1686 N91-19291 #
DE91-006776 ..... 10 p1557 N91-18564 #
DE91-006777 ..... 10 p1558 N91-18565 #
DE91-006778 ..... 11 p1799 N91-19872 #
DE91-006779 ..... 10 p1496 N91-18236 #
DE91-006781 ..... 10 p1608 N91-18872 #

DE91-006791 ..... 10 p1506 N91-18291 #
DE91-006793 ..... 11 p1697 N91-19347 #
DE91-006795 ..... 10 p1592 N91-18781 #
DE91-006797 ..... 10 p1608 N91-18873 #
DE91-006798 ..... 11 p1733 N91-19531 #
DE91-006799 ..... 11 p1691 N91-19315 #
DE91-006804 ..... 10 p1595 N91-18800 #
DE91-006805 ..... 10 p1544 N91-18496 #
DE91-006814 ..... 10 p1504 N91-18275 #
DE91-006815 ..... 10 p1496 N91-18232 #
DE91-006820 ..... 10 p1592 N91-18782 #
DE91-006821 ..... 10 p1519 N91-18361 #
DE91-006825 ..... 10 p1519 N91-18366 #
DE91-006844 ..... 10 p1592 N91-18783 #
DE91-006845 ..... 10 p1595 N91-18801 #
DE91-006855 ..... 10 p1618 N91-18920 #
DE91-006856 ..... 10 p1618 N91-18921 #
DE91-006865 ..... 10 p1525 N91-18395 #
DE91-006879 ..... 11 p1802 N91-19896 #
DE91-006894 ..... 11 p1701 N91-19368 #
DE91-006908 ..... 10 p1602 N91-18837 #
DE91-006912 ..... 11 p1802 N91-19897 #
DE91-006915 ..... 13 p2052 N91-21294 #
DE91-006916 ..... 13 p2053 N91-21295 #
DE91-006917 ..... 13 p2049 N91-21271 #
DE91-006918 ..... 13 p2053 N91-21296 #
DE91-006920 ..... 11 p1793 N91-19835 #
DE91-006921 ..... 12 p1978 N91-20885 #
DE91-006922 ..... 11 p1793 N91-19833 #
DE91-006955 ..... 11 p1727 N91-19511 #
DE91-006967 ..... 13 p2160 N91-21912 #
DE91-006981 ..... 10 p1609 N91-18878 #
DE91-007051 ..... 10 p1589 N91-18763 #
DE91-007064 ..... 11 p1682 N91-19269 #
DE91-007066 ..... 15 p2425 N91-23432 #
DE91-007070 ..... 10 p1520 N91-18367 #
DE91-007115 ..... 10 p1515 N91-18343 #
DE91-007117 ..... 10 p1541 N91-18485 #
DE91-007118 ..... 10 p1566 N91-18609 #
DE91-007122 ..... 11 p1777 N91-19745 #
DE91-007125 ..... 11 p1762 N91-19698 #
DE91-007128 ..... 13 p2071 N91-21407 #
DE91-007132 ..... 10 p1555 N91-18552* #
DE91-007140 ..... 10 p1545 N91-18503 #
DE91-007142 ..... 11 p1796 N91-19857 #
DE91-007143 ..... 10 p1609 N91-18879 #
DE91-007146 ..... 11 p1712 N91-19429 #
DE91-007155 ..... 11 p1694 N91-19331 #
DE91-007162 ..... 11 p1776 N91-19739 #
DE91-007164 ..... 11 p1797 N91-19858 #
DE91-007167 ..... 15 p2445 N91-23543 #
DE91-007178 ..... 10 p1614 N91-18906 #
DE91-007181 ..... 11 p1679 N91-19255 #
DE91-007182 ..... 22 p3654 N91-30340 #
DE91-007184 ..... 11 p1734 N91-19535 #
DE91-007185 ..... 10 p1501 N91-18262 #
DE91-007188 ..... 11 p1776 N91-19740 #
DE91-007189 ..... 11 p1682 N91-19270 #
DE91-007195 ..... 10 p1515 N91-18344 #
DE91-007200 ..... 11 p1682 N91-19271 #
DE91-007212 ..... 10 p1527 N91-18409 #
DE91-007215 ..... 11 p1737 N91-19551 #
DE91-007216 ..... 11 p1698 N91-19353 #
DE91-007218 ..... 11 p1804 N91-19905 #
DE91-007234 ..... 11 p1777 N91-19746 #
DE91-007235 ..... 11 p1710 N91-19420 #
DE91-007240 ..... 10 p1567 N91-18614 #
DE91-007241 ..... 11 p1773 N91-19720 #
DE91-007246 ..... 11 p1807 N91-19923 #
DE91-007254 ..... 11 p1807 N91-19924 #
DE91-007257 ..... 11 p1813 N91-19958 #
DE91-007258 ..... 11 p1818 N91-19983 #
DE91-007261 ..... 11 p1802 N91-19898 #
DE91-007262 ..... 11 p1710 N91-19417 #
DE91-007264 ..... 11 p1818 N91-19984 #
DE91-007272 ..... 11 p1807 N91-19925 #
DE91-007278 ..... 11 p1807 N91-19926 #
DE91-007295 ..... 11 p1773 N91-19719 #
DE91-007317 ..... 11 p1808 N91-19927 #
DE91-007320 ..... 11 p1785 N91-19792 #
DE91-007323 ..... 11 p1738 N91-19555 #
DE91-007328 ..... 13 p2134 N91-21748 #
DE91-007330 ..... 11 p1710 N91-19418 #
DE91-007333 ..... 11 p1782 N91-19776 #
DE91-007337 ..... 10 p1530 N91-18425 #
DE91-007341 ..... 11 p1806 N91-19919 #
DE91-007342 ..... 11 p1818 N91-19985 #
DE91-007343 ..... 10 p1530 N91-18426 #
DE91-007344 ..... 10 p1530 N91-18427 #
DE91-007346 ..... 13 p2091 N91-21511 #
DE91-007347 ..... 11 p1802 N91-19895 #
DE91-007349 ..... 11 p1710 N91-19419 #
DE91-007351 ..... 11 p1737 N91-19552 #
DE91-007352 ..... 11 p1680 N91-19257 #
DE91-007353 ..... 10 p1603 N91-18845 #
DE91-007355 ..... 11 p1722 N91-19480 #
DE91-007363 ..... 11 p1733 N91-19532 #
DE91-007369 ..... 11 p1797 N91-19859 #
DE91-007380 ..... 11 p1734 N91-19536 #
DE91-007383 ..... 10 p1603 N91-18846 #
DE91-007384 ..... 10 p1516 N91-18345 #
DE91-007388 ..... 11 p1803 N91-19899 #
DE91-007389 ..... 15 p2489 N91-23784 #
DE91-007391 ..... 12 p1867 N91-20258 #
DE91-007400 ..... 10 p1530 N91-18428 #
DE91-007401 ..... 10 p1530 N91-18429 #
DE91-007407 ..... 10 p1624 N91-18958 #
DE91-007411 ..... 11 p1683 N91-19272 #
DE91-007423 ..... 11 p1782 N91-19777 #
DE91-007424 ..... 11 p1782 N91-19778 #
DE91-007425 ..... 10 p1497 N91-18239 #
DE91-007458 ..... 11 p1734 N91-19537 #
DE91-007461 ..... 11 p1703 N91-19377 #
DE91-007467 ..... 15 p2411 N91-23351 #
DE91-007468 ..... 10 p1625 N91-18964 #
DE91-007469 ..... 10 p1586 N91-18742 #
DE91-007471 ..... 10 p1530 N91-18430 #
DE91-007473 ..... 11 p1808 N91-19928 #
DE91-007478 ..... 19 p3257 N91-28016 #
DE91-007482 ..... 10 p1531 N91-18431 #
DE91-007485 ..... 10 p1527 N91-18410 #
DE91-007489 ..... 10 p1531 N91-18432 #
DE91-007491 ..... 11 p1694 N91-19333 #
DE91-007493 ..... 11 p1708 N91-19405 #
DE91-007494 ..... 12 p1867 N91-20259 #
DE91-007495 ..... 10 p1610 N91-18885 #
DE91-007500 ..... 11 p1695 N91-19334 #
DE91-007509 ..... 12 p1830 N91-20059 #
DE91-007513 ..... 10 p1505 N91-18285 #
DE91-007518 ..... 11 p1710 N91-19421 #
DE91-007519 ..... 10 p1497 N91-18240 #
DE91-007545 ..... 11 p1691 N91-19318 #
DE91-007547 ..... 10 p1594 N91-18793 #
DE91-007548 ..... 10 p1526 N91-18402 #
DE91-007552 ..... 19 p3217 N91-27782 #
DE91-007556 ..... 11 p1799 N91-19873 #
DE91-007557 ..... 12 p2000 N91-21010 #
DE91-007558 ..... 11 p1808 N91-19929 #
DE91-007561 ..... 11 p1734 N91-19538 #
DE91-007564 ..... 11 p1799 N91-19874 #
DE91-007567 ..... 10 p1497 N91-18241 #
DE91-007571 ..... 13 p2154 N91-21872 #
DE91-007572 ..... 11 p1722 N91-19481 #
DE91-007573 ..... 12 p1832 N91-20066 #
DE91-007575 ..... 16 p2662 N91-24726 #
DE91-007582 ..... 11 p1793 N91-19836 #
DE91-007584 ..... 12 p1902 N91-20463 #
DE91-007591 ..... 10 p1522 N91-18380 #
DE91-007598 ..... 11 p1783 N91-19780 #
DE91-007601 ..... 11 p1812 N91-19953 #
DE91-007609 ..... 10 p1614 N91-18907 #
DE91-007610 ..... 10 p1614 N91-18908 #
DE91-007615 ..... 11 p1777 N91-19747 #
DE91-007616 ..... 11 p1710 N91-19416 #
DE91-007617 ..... 11 p1803 N91-19900 #
DE91-007618 ..... 11 p1783 N91-19781 #
DE91-007619 ..... 10 p1587 N91-18752 #
DE91-007620 ..... 11 p1783 N91-19782 #
DE91-007621 ..... 11 p1783 N91-19783 #
DE91-007622 ..... 15 p2532 N91-24028 #
DE91-007623 ..... 15 p2532 N91-24027 #
DE91-007624 ..... 10 p1615 N91-18912 #
DE91-007625 ..... 10 p1526 N91-18403 #
DE91-007628 ..... 10 p1537 N91-18460 #
DE91-007630 ..... 10 p1575 N91-18670 #
DE91-007631 ..... 11 p1711 N91-19422 #
DE91-007632 ..... 10 p1575 N91-18671 #
DE91-007638 ..... 11 p1785 N91-19794 #
DE91-007643 ..... 11 p1711 N91-19423 #
DE91-007644 ..... 10 p1610 N91-18886 #
DE91-007646 ..... 11 p1808 N91-19930 #
DE91-007651 ..... 11 p1808 N91-19931 #
DE91-007652 ..... 10 p1616 N91-18913 #
DE91-007654 ..... 11 p1793 N91-19837 #
DE91-007662 ..... 10 p1603 N91-18847 #
DE91-007669 ..... 11 p1812 N91-19950 #
DE91-007672 ..... 11 p1804 N91-19906 #
DE91-007676 ..... 15 p2489 N91-23785 #
DE91-007679 ..... 10 p1532 N91-18442 #
DE91-007689 ..... 11 p1699 N91-19355 #
DE91-007691 ..... 10 p1531 N91-18433 #
DE91-007693 ..... 11 p1680 N91-19260 #
DE91-007695 ..... 11 p1683 N91-19275 #
DE91-007697 ..... 13 p2168 N91-21968 #
DE91-007702 ..... 11 p1785 N91-19795 #
DE91-007706 ..... 15 p2401 N91-23298 #
DE91-007708 ..... 11 p1680 N91-19258 #
DE91-007710 ..... 11 p1708 N91-19406 #
DE91-007711 ..... 11 p1711 N91-19424 #
DE91-007729 ..... 11 p1683 N91-19276 #
DE91-007731 ..... 11 p1708 N91-19407 #
DE91-007732 ..... 11 p1643 N91-19064 #

DE91-007733 ..... 11 p1644 N91-19065 #
DE91-007734 ..... 11 p1813 N91-19960 #
DE91-007735 ..... 11 p1808 N91-19932 #
DE91-007736 ..... 11 p1708 N91-19409 #
DE91-007737 ..... 11 p1711 N91-19425 #
DE91-007739 ..... 11 p1797 N91-19861 #
DE91-007740 ..... 10 p1531 N91-18434 #
DE91-007742 ..... 11 p1809 N91-19933 #
DE91-007743 ..... 11 p1809 N91-19934 #
DE91-007744 ..... 10 p1516 N91-18346 #
DE91-007745 ..... 11 p1711 N91-19426 #
DE91-007756 ..... 11 p1793 N91-19838 #
DE91-007760 ..... 11 p1794 N91-19842 #
DE91-007761 ..... 11 p1687 N91-19299 #
DE91-007763 ..... 12 p1974 N91-20862 #
DE91-007772 ..... 11 p1688 N91-19300 #
DE91-007793 ..... 11 p1688 N91-19301 #
DE91-007798 ..... 11 p1803 N91-19901 #
DE91-007820 ..... 11 p1814 N91-19961 #
DE91-007822 ..... 11 p1716 N91-19451 #
DE91-007827 ..... 11 p1715 N91-19444 #
DE91-007829 ..... 11 p1680 N91-19259 #
DE91-007834 ..... 11 p1719 N91-19465 #
DE91-007835 ..... 11 p1676 N91-19239 #
DE91-007843 ..... 11 p1734 N91-19539 #
DE91-007844 ..... 11 p1779 N91-19757 #
DE91-007845 ..... 11 p1803 N91-19902 #
DE91-007849 ..... 11 p1784 N91-19784 #
DE91-007853 ..... 19 p3186 N91-27617* #
DE91-007859 ..... 11 p1733 N91-19533 #
DE91-007860 ..... 15 p2506 N91-23883 #
DE91-007861 ..... 11 p1809 N91-19937 #
DE91-007863 ..... 12 p1915 N91-20534 #
DE91-007870 ..... 11 p1779 N91-19758 #
DE91-007872 ..... 11 p1784 N91-19785 #
DE91-007881 ..... 11 p1735 N91-19540 #
DE91-007889 ..... 11 p1818 N91-19986 #
DE91-007892 ..... 19 p3216 N91-27774 #
DE91-007894 ..... 11 p1708 N91-19408 #
DE91-007896 ..... 11 p1804 N91-19907 #
DE91-007897 ..... 11 p1763 N91-19702 #
DE91-007898 ..... 11 p1763 N91-19703 #
DE91-007899 ..... 11 p1764 N91-19704 #
DE91-007907 ..... 11 p1777 N91-19748 #
DE91-007911 ..... 11 p1794 N91-19839 #
DE91-007922 ..... 11 p1779 N91-19760 #
DE91-007923 ..... 13 p2047 N91-21264 #
DE91-007931 ..... 11 p1722 N91-19483 #
DE91-007932 ..... 13 p2159 N91-21905 #
DE91-007933 ..... 11 p1794 N91-19840 #
DE91-007934 ..... 11 p1809 N91-19938 #
DE91-007936 ..... 11 p1764 N91-19705 #
DE91-007938 ..... 11 p1794 N91-19841 #
DE91-007940 ..... 11 p1803 N91-19903 #
DE91-007961 ..... 11 p1684 N91-19277 #
DE91-007969 ..... 11 p1794 N91-19843 #
DE91-007976 ..... 11 p1735 N91-19541 #
DE91-007977 ..... 12 p1877 N91-20316 #
DE91-007978 ..... 11 p1680 N91-19261 #
DE91-007979 ..... 11 p1810 N91-19939 #
DE91-008008 ..... 12 p1920 N91-20561 #
DE91-008030 ..... 11 p1681 N91-19262 #
DE91-008031 ..... 11 p1764 N91-19706 #
DE91-008032 ..... 11 p1810 N91-19940 #
DE91-008033 ..... 11 p1681 N91-19263 #
DE91-008034 ..... 11 p1722 N91-19484 #
DE91-008037 ..... 12 p1999 N91-21005 #
DE91-008042 ..... 13 p2080 N91-21461 #
DE91-008044 ..... 11 p1794 N91-19844 #
DE91-008045 ..... 11 p1794 N91-19845 #
DE91-008052 ..... 11 p1734 N91-19534 #
DE91-008059 ..... 11 p1703 N91-19381 #
DE91-008060 ..... 11 p1712 N91-19430 #
DE91-008061 ..... 19 p3235 N91-27885 #
DE91-008062 ..... 12 p2008 N91-21053 #
DE91-008063 ..... 11 p1797 N91-19862 #
DE91-008064 ..... 12 p1894 N91-20415 #
DE91-008067 ..... 20 p3388 N91-28774 #
DE91-008068 ..... 11 p1712 N91-19427 #
DE91-008072 ..... 13 p2168 N91-21964 #
DE91-008086 ..... 11 p1735 N91-19542 #
DE91-008100 ..... 11 p1684 N91-19278 #
DE91-008101 ..... 11 p1688 N91-19302 #
DE91-008102 ..... 11 p1684 N91-19279 #
DE91-008103 ..... 11 p1684 N91-19280 #
DE91-008106 ..... 11 p1677 N91-19242 #
DE91-008107 ..... 11 p1810 N91-19941 #
DE91-008108 ..... 11 p1765 N91-19712 #
DE91-008115 ..... 11 p1735 N91-19543 #
DE91-008116 ..... 11 p1804 N91-19904 #
DE91-008124 ..... 13 p2147 N91-21825 #
DE91-008130 ..... 11 p1684 N91-19281 #
DE91-008131 ..... 13 p2152 N91-21861 #
DE91-008140 ..... 11 p1795 N91-19846 #
DE91-008141 ..... 11 p1795 N91-19847 #
DE91-008144 ..... 12 p1975 N91-20867 #
DE91-008148 ..... 11 p1704 N91-19382 #
DE91-008157 ..... 11 p1764 N91-19707 #
DE91-008159 ..... 14 p2327 N91-22856 #
DE91-008171 ..... 13 p2134 N91-21749 #
DE91-008172 ..... 11 p1677 N91-19243 #
DE91-008173 ..... 13 p2068 N91-21391 #
DE91-008174 ..... 22 p3759 N91-30953 #
DE91-008176 ..... 19 p3250 N91-27977 #
DE91-008177 ..... 11 p1784 N91-19787 #
DE91-008179 ..... 19 p3250 N91-27978 #
DE91-008180 ..... 13 p2054 N91-21303 #
DE91-008184 ..... 11 p1810 N91-19942 #
DE91-008185 ..... 11 p1712 N91-19431 #
DE91-008195 ..... 11 p1804 N91-19908 #
DE91-008196 ..... 11 p1795 N91-19848 #
DE91-008198 ..... 13 p2091 N91-21512 #
DE91-008199 ..... 11 p1804 N91-19909 #
DE91-008201 ..... 18 p2993 N91-26528 #
DE91-008202 ..... 18 p2944 N91-26243 #
DE91-008203 ..... 11 p1797 N91-19863 #
DE91-008204 ..... 11 p1814 N91-19963 #
DE91-008218 ..... 11 p1812 N91-19951 #
DE91-008228 ..... 12 p1871 N91-20281 #
DE91-008235 ..... 11 p1699 N91-19356 #
DE91-008238 ..... 11 p1738 N91-19558 #
DE91-008250 ..... 11 p1814 N91-19964 #
DE91-008251 ..... 11 p1814 N91-19965 #
DE91-008252 ..... 13 p2104 N91-21583 #
DE91-008257 ..... 12 p1908 N91-20498 #
DE91-008259 ..... 11 p1684 N91-19282 #
DE91-008266 ..... 12 p1991 N91-20962 #
DE91-008267 ..... 12 p1992 N91-20963 #
DE91-008277 ..... 11 p1695 N91-19335 #
DE91-008280 ..... 12 p1983 N91-20912 #
DE91-008282 ..... 12 p1867 N91-20260 #
DE91-008283 ..... 11 p1689 N91-19309 #
DE91-008286 ..... 13 p2123 N91-21686 #
DE91-008316 ..... 12 p1993 N91-20972 #
DE91-008317 ..... 11 p1699 N91-19357 #
DE91-008318 ..... 12 p1905 N91-20483 #
DE91-008319 ..... 12 p1905 N91-20484 #
DE91-008320 ..... 11 p1699 N91-19358 #
DE91-008356 ..... 15 p2423 N91-23424 #
DE91-008366 ..... 13 p2070 N91-21402 #
DE91-008367 ..... 13 p2058 N91-21325 #
DE91-008371 ..... 11 p1685 N91-19283 #
DE91-008373 ..... 11 p1689 N91-19310 #
DE91-008405 ..... 13 p2049 N91-21272 #
DE91-008411 ..... 11 p1699 N91-19359 #
DE91-008413 ..... 13 p2092 N91-21513 #
DE91-008414 ..... 11 p1712 N91-19432 #
DE91-008421 ..... 11 p1790 N91-19821 #
DE91-008423 ..... 13 p2105 N91-21584 #
DE91-008426 ..... 12 p1831 N91-20060 #
DE91-008436 ..... 11 p1795 N91-19849 #
DE91-008437 ..... 11 p1699 N91-19360 #
DE91-008438 ..... 11 p1795 N91-19850 #
DE91-008439 ..... 13 p2154 N91-21873 #
DE91-008440 ..... 12 p1926 N91-20597 #
DE91-008441 ..... 11 p1699 N91-19361 #
DE91-008442 ..... 11 p1796 N91-19851 #
DE91-008443 ..... 13 p2114 N91-21638 #
DE91-008444 ..... 12 p1906 N91-20485 #
DE91-008446 ..... 13 p2049 N91-21273 #
DE91-008447 ..... 11 p1719 N91-19466 #
DE91-008453 ..... 13 p2089 N91-21498 #
DE91-008455 ..... 12 p1889 N91-20387 #
DE91-008456 ..... 12 p1915 N91-20535 #
DE91-008480 ..... 12 p1974 N91-20858 #
DE91-008499 ..... 12 p1983 N91-20913 #
DE91-008500 ..... 13 p2056 N91-21312 #
DE91-008502 ..... 11 p1712 N91-19433 #
DE91-008504 ..... 11 p1805 N91-19910 #
DE91-008505 ..... 13 p2099 N91-21554 #
DE91-008506 ..... 13 p2161 N91-21915 #
DE91-008509 ..... 13 p2125 N91-21698 #
DE91-008512 ..... 12 p1978 N91-20886 #
DE91-008516 ..... 12 p1915 N91-20536 #
DE91-008517 ..... 12 p1978 N91-20887 #
DE91-008518 ..... 12 p1959 N91-20782 #
DE91-008527 ..... 14 p2328 N91-22863 #
DE91-008534 ..... 15 p2397 N91-23275 #
DE91-008548 ..... 12 p1867 N91-20261 #
DE91-008552 ..... 11 p1736 N91-19544 #
DE91-008561 ..... 15 p2511 N91-23911 #
DE91-008563 ..... 14 p2251 N91-22455 #
DE91-008567 ..... 15 p2400 N91-23291 #
DE91-008568 ..... 14 p2269 N91-22555 #
DE91-008569 ..... 13 p2049 N91-21274 #
DE91-008570 ..... 12 p1871 N91-20282 #
DE91-008571 ..... 12 p1992 N91-20964 #
DE91-008572 ..... 12 p1992 N91-20965 #
DE91-008574 ..... 13 p2144 N91-21804 #
DE91-008580 ..... 12 p1979 N91-20890 #
DE91-008582 ..... 13 p2149 N91-21841 #
DE91-008583 ..... 21 p3564 N91-29812 #

DE91-008584 ..... 19 p3162 N91-27485 #
DE91-008585 ..... 13 p2049 N91-21275 #
DE91-008587 ..... 13 p2152 N91-21865 #
DE91-008588 ..... 20 p3333 N91-28457 #
DE91-008589 ..... 14 p2291 N91-22671 #
DE91-008592 ..... 12 p1992 N91-20966 #
DE91-008593 ..... 13 p2081 N91-21462 #
DE91-008594 ..... 19 p3243 N91-27938 #
DE91-008595 ..... 13 p2051 N91-21288 #
DE91-008603 ..... 19 p3218 N91-27783 #
DE91-008605 ..... 13 p2105 N91-21585 #
DE91-008607 ..... 12 p1906 N91-20486 #
DE91-008626 ..... 12 p1908 N91-20499 #
DE91-008627 ..... 12 p1899 N91-20444 #
DE91-008628 ..... 13 p2158 N91-21898 #
DE91-008727 ..... 12 p2009 N91-21054 #
DE91-008728 ..... 22 p3754 N91-30924 #
DE91-008729 ..... 12 p1984 N91-20914 #
DE91-008730 ..... 14 p2265 N91-22534 #
DE91-008732 ..... 13 p2088 N91-21488 #
DE91-008734 ..... 12 p1984 N91-20915 #
DE91-008735 ..... 13 p2090 N91-21503 #
DE91-008736 ..... 12 p1984 N91-20916 #
DE91-008741 ..... 12 p1889 N91-20388 #
DE91-008742 ..... 12 p1984 N91-20917 #
DE91-008809 ..... 12 p1871 N91-20283 #
DE91-008811 ..... 12 p1992 N91-20967 #
DE91-008825 ..... 15 p2436 N91-23498 #
DE91-008828 ..... 13 p2055 N91-21310 #
DE91-008829 ..... 12 p1992 N91-20968 #
DE91-008831 ..... 12 p1993 N91-20969 #
DE91-008832 ..... 12 p1902 N91-20464 #
DE91-008833 ..... 15 p2404 N91-23312 #
DE91-008838 ..... 13 p2126 N91-21702 #
DE91-008839 ..... 13 p2126 N91-21703 #
DE91-008840 ..... 14 p2325 N91-22847 #
DE91-008841 ..... 12 p1877 N91-20317 #
DE91-008842 ..... 13 p2114 N91-21639 #
DE91-008874 ..... 13 p2052 N91-21289 #
DE91-008877 ..... 13 p2047 N91-21265 #
DE91-008881 ..... 20 p3315 N91-28349 #
DE91-008883 ..... 15 p2444 N91-23535 #
DE91-008885 ..... 13 p2050 N91-21278 #
DE91-008887 ..... 13 p2054 N91-21304 #
DE91-008890 ..... 20 p3322 N91-28390 #
DE91-008894 ..... 13 p2031 N91-21172 #
DE91-008910 ..... 14 p2326 N91-22848 #
DE91-008921 ..... 12 p1984 N91-20918 #
DE91-008922 ..... 12 p1984 N91-20919 #
DE91-008923 ..... 12 p1985 N91-20920 #
DE91-008924 ..... 13 p2156 N91-21887 #
DE91-008925 ..... 13 p2157 N91-21888 #
DE91-008926 ..... 13 p2050 N91-21279 #
DE91-008927 ..... 13 p2159 N91-21906 #
DE91-008928 ..... 13 p2160 N91-21913 #
DE91-008931 ..... 17 p2887 N91-25963 #
DE91-008947 ..... 15 p2409 N91-23339 #
DE91-008959 ..... 12 p1985 N91-20921 #
DE91-008986 ..... 13 p2048 N91-21266 #
DE91-008988 ..... 13 p2095 N91-21535 #
DE91-008989 ..... 13 p2049 N91-21276 #
DE91-008990 ..... 13 p2090 N91-21504 #
DE91-008993 ..... 13 p2149 N91-21842 #
DE91-008994 ..... 12 p1915 N91-20537 #
DE91-008997 ..... 13 p2145 N91-21812 #
DE91-008999 ..... 13 p2145 N91-21813 #
DE91-009000 ..... 13 p2146 N91-21818 #
DE91-009002 ..... 13 p2145 N91-21814 #
DE91-009004 ..... 12 p1974 N91-20859 #
DE91-009006 ..... 13 p2095 N91-21536 #
DE91-009008 ..... 13 p2145 N91-21815 #
DE91-009034 ..... 13 p2149 N91-21843 #
DE91-009038 ..... 13 p2139 N91-21773 #
DE91-009039 ..... 15 p2411 N91-23352 #
DE91-009042 ..... 13 p2056 N91-21313 #
DE91-009045 ..... 13 p2145 N91-21816 #
DE91-009055 ..... 15 p2404 N91-23313 #
DE91-009056 ..... 20 p3348 N91-28541 #
DE91-009071 ..... 15 p2473 N91-23698 #
DE91-009074 ..... 13 p2105 N91-21586 #
DE91-009082 ..... 12 p1920 N91-20562 #
DE91-009083 ..... 13 p2053 N91-21297 #
DE91-009101 ..... 13 p2056 N91-21314 #
DE91-009102 ..... 13 p2054 N91-21305 #
DE91-009105 ..... 13 p2055 N91-21311 #
DE91-009106 ..... 13 p2045 N91-21251 #
DE91-009110 ..... 13 p2113 N91-21634 #
DE91-009112 ..... 13 p2159 N91-21907 #
DE91-009113 ..... 13 p2052 N91-21290 #
DE91-009115 ..... 14 p2283 N91-22626 #
DE91-009116 ..... 13 p2048 N91-21267 #
DE91-009117 ..... 15 p2404 N91-23310 #
DE91-009120 ..... 15 p2400 N91-23292 #
DE91-009121 ..... 14 p2260 N91-22505 #
DE91-009122 ..... 14 p2251 N91-22456 #
DE91-009134 ..... 14 p2251 N91-22457 #
DE91-009150 ..... 13 p2092 N91-21514 #
DE91-009152 ..... 15 p2502 N91-23859 #
DE91-009153 ..... 13 p2050 N91-21277 #
DE91-009166 ..... 14 p2189 N91-22094 #
DE91-009167 ..... 13 p2050 N91-21280 #
DE91-009170 ..... 13 p2134 N91-21750 #
DE91-009175 ..... 13 p2133 N91-21740 #
DE91-009178 ..... 20 p3342 N91-28505 #
DE91-009179 ..... 19 p3111 N91-27189 #
DE91-009180 ..... 19 p3178 N91-27572 #
DE91-009183 ..... 13 p2101 N91-21564 #
DE91-009189 ..... 13 p2091 N91-21505 #
DE91-009191 ..... 13 p2168 N91-21965 #
DE91-009219 ..... 13 p2146 N91-21819 #
DE91-009221 ..... 13 p2144 N91-21805 #
DE91-009222 ..... 13 p2139 N91-21774 #
DE91-009223 ..... 13 p2147 N91-21826 #
DE91-009224 ..... 13 p2101 N91-21565 #
DE91-009225 ..... 13 p2091 N91-21506 #
DE91-009226 ..... 13 p2091 N91-21507 #
DE91-009227 ..... 13 p2152 N91-21862 #
DE91-009228 ..... 13 p2145 N91-21817 #
DE91-009229 ..... 13 p2041 N91-21226 #
DE91-009250 ..... 15 p2515 N91-23939 #
DE91-009251 ..... 14 p2281 N91-22616 #
DE91-009253 ..... 14 p2281 N91-22617 #
DE91-009254 ..... 15 p2416 N91-23382 #
DE91-009255 ..... 15 p2444 N91-23536 #
DE91-009256 ..... 13 p2161 N91-21914 #
DE91-009257 ..... 15 p2444 N91-23537 #
DE91-009259 ..... 13 p2157 N91-21889 #
DE91-009262 ..... 15 p2401 N91-23293 #
DE91-009292 ..... 15 p2402 N91-23299 #
DE91-009326 ..... 13 p2149 N91-21844 #
DE91-009327 ..... 13 p2091 N91-21508 #
DE91-009329 ..... 13 p2052 N91-21291 #
DE91-009352 ..... 22 p3757 N91-30946 #
DE91-009353 ..... 13 p2056 N91-21315 #
DE91-009371 ..... 15 p2502 N91-23855 #
DE91-009377 ..... 13 p2158 N91-21899 #
DE91-009378 ..... 13 p2158 N91-21900 #
DE91-009405 ..... 21 p3529 N91-29605 #
DE91-009414 ..... 15 p2437 N91-23499 #
DE91-009428 ..... 18 p2982 N91-26467 #
DE91-009435 ..... 13 p2148 N91-21835 #
DE91-009437 ..... 20 p3359 N91-28606 #
DE91-009439 ..... 13 p2092 N91-21515 #
DE91-009443 ..... 15 p2515 N91-23940 #
DE91-009444 ..... 13 p2130 N91-21725 #
DE91-009445 ..... 15 p2397 N91-23274 #
DE91-009458 ..... 13 p2117 N91-21655 #
DE91-009461 ..... 13 p2150 N91-21848 #
DE91-009472 ..... 15 p2459 N91-23626 #
DE91-009474 ..... 15 p2515 N91-23941 #
DE91-009476 ..... 15 p2460 N91-23631 #
DE91-009479 ..... 13 p2159 N91-21902 #
DE91-009482 ..... 13 p2159 N91-21903 #
DE91-009483 ..... 13 p2092 N91-21516 #
DE91-009510 ..... 16 p2601 N91-24415 #
DE91-009514 ..... 13 p2150 N91-21849 #
DE91-009516 ..... 14 p2252 N91-22458 #
DE91-009517 ..... 13 p2150 N91-21850 #
DE91-009520 ..... 13 p2056 N91-21316 #
DE91-009523 ..... 15 p2534 N91-24036 #
DE91-009524 ..... 18 p2967 N91-26383 #
DE91-009530 ..... 13 p2159 N91-21901 #
DE91-009538 ..... 15 p2459 N91-23627 #
DE91-009540 ..... 13 p2092 N91-21517 #
DE91-009543 ..... 13 p2150 N91-21851 #
DE91-009544 ..... 15 p2401 N91-23294 #
DE91-009545 ..... 15 p2442 N91-23526 #
DE91-009553 ..... 20 p3357 N91-28594 #
DE91-009554 ..... 15 p2438 N91-23509 #
DE91-009555 ..... 20 p3320 N91-28378 #
DE91-009559 ..... 20 p3383 N91-28741 #
DE91-009561 ..... 13 p2134 N91-21751 #
DE91-009593 ..... 13 p2082 N91-21474 #
DE91-009610 ..... 14 p2338 N91-22925 #
DE91-009616 ..... 15 p2404 N91-23314 #
DE91-009618 ..... 15 p2417 N91-23383 #
DE91-009627 ..... 15 p2423 N91-23425 #
DE91-009652 ..... 15 p2421 N91-23414 #
DE91-009669 ..... 13 p2181 N91-22055 #
DE91-009670 ..... 14 p2354 N91-23019 #
DE91-009674 ..... 14 p2270 N91-22558 #
DE91-009676 ..... 15 p2444 N91-23538 #
DE91-009679 ..... 14 p2329 N91-22867 #
DE91-009684 ..... 18 p3043 N91-26798 #
DE91-009707 ..... 15 p2417 N91-23387 #
DE91-009716 ..... 13 p2092 N91-21518 #
DE91-009718 ..... 15 p2430 N91-23463 #
DE91-009719 ..... 15 p2472 N91-23692 #
DE91-009726 ..... 15 p2411 N91-23349 #
DE91-009736 ..... 13 p2117 N91-21656 #
DE91-009739 ..... 14 p2327 N91-22858 #
DE91-009743 ..... 15 p2416 N91-23381 #

DE91-009745 ..... 15 p2523 N91-23984 #
DE91-009749 ..... 15 p2502 N91-23860 #
DE91-009750 ..... 13 p2144 N91-21808 #
DE91-009753 ..... 20 p3434 N91-29053 #
DE91-009754 ..... 19 p3218 N91-27784 #
DE91-009756 ..... 14 p2247 N91-22433 #
DE91-009757 ..... 15 p2424 N91-23426 #
DE91-009758 ..... 14 p2270 N91-22559 #
DE91-009759 ..... 14 p2279 N91-22602 #
DE91-009763 ..... 15 p2417 N91-23388 #
DE91-009764 ..... 15 p2365 N91-23085 #
DE91-009765 ..... 15 p2431 N91-23465 #
DE91-009766 ..... 18 p3072 N91-26977 #
DE91-009769 ..... 14 p2258 N91-22491 #
DE91-009770 ..... 15 p2431 N91-23464 #
DE91-009771 ..... 15 p2402 N91-23300 #
DE91-009772 ..... 15 p2431 N91-23466 #
DE91-009773 ..... 13 p2076 N91-21436 #
DE91-009774 ..... 14 p2252 N91-22459 #
DE91-009775 ..... 14 p2261 N91-22507 #
DE91-009776 ..... 14 p2247 N91-22434 #
DE91-009777 ..... 15 p2408 N91-23333 #
DE91-009787 ..... 18 p2944 N91-26239 #
DE91-009790 ..... 14 p2347 N91-22983 #
DE91-009794 ..... 14 p2329 N91-22868 #
DE91-009795 ..... 14 p2322 N91-22827 #
DE91-009797 ..... 18 p2952 N91-26289 #
DE91-009803 ..... 15 p2424 N91-23427 #
DE91-009808 ..... 15 p2408 N91-23334 #
DE91-009813 ..... 14 p2353 N91-23016 #
DE91-009814 ..... 14 p2329 N91-22869 #
DE91-009816 ..... 16 p2622 N91-24518 #
DE91-009817 ..... 14 p2248 N91-22435 #
DE91-009819 ..... 14 p2302 N91-22719 #
DE91-009825 ..... 13 p2161 N91-21916 #
DE91-009838 ..... 19 p3206 N91-27723 #
DE91-009845 ..... 15 p2411 N91-23350 #
DE91-009846 ..... 14 p2310 N91-22764 #
DE91-009853 ..... 16 p2621 N91-24515 #
DE91-009855 ..... 16 p2607 N91-24450 #
DE91-009859 ..... 14 p2321 N91-22822 #
DE91-009872 ..... 16 p2699 N91-24948 #
DE91-009873 ..... 14 p2266 N91-22535 #
DE91-009884 ..... 22 p3675 N91-30464 #
DE91-009885 ..... 14 p2258 N91-22492 #
DE91-009913 ..... 20 p3314 N91-28344 #
DE91-009917 ..... 14 p2326 N91-22850 #
DE91-009918 ..... 18 p2956 N91-26314 #
DE91-009919 ..... 15 p2445 N91-23544 #
DE91-009920 ..... 20 p3360 N91-28614 #
DE91-009923 ..... 20 p3324 N91-28405 #
DE91-009924 ..... 20 p3399 N91-28840 #
DE91-009930 ..... 20 p3359 N91-28607 #
DE91-009931 ..... 15 p2401 N91-23295 #
DE91-009932 ..... 17 p2758 N91-25270 #
DE91-009936 ..... 15 p2444 N91-23539* #
DE91-009937 ..... 15 p2445 N91-23545 #
DE91-009939 ..... 15 p2472 N91-23695 #
DE91-009946 ..... 14 p2300 N91-22711 #
DE91-009947 ..... 15 p2460 N91-23630 #
DE91-009948 ..... 14 p2244 N91-22415 #
DE91-009949 ..... 14 p2326 N91-22849 #
DE91-009950 ..... 15 p2405 N91-23315 #
DE91-009951 ..... 15 p2516 N91-23942 #
DE91-009952 ..... 15 p2401 N91-23296 #
DE91-009953 ..... 14 p2336 N91-22917 #
DE91-009954 ..... 15 p2482 N91-23740 #
DE91-009955 ..... 14 p2270 N91-22560 #
DE91-009956 ..... 14 p2310 N91-22765 #
DE91-009957 ..... 14 p2298 N91-22702 #
DE91-009959 ..... 14 p2258 N91-22493 #
DE91-009961 ..... 23 p3884 N91-31672 #
DE91-009963 ..... 15 p2516 N91-23943 #
DE91-009965 ..... 14 p2269 N91-22556 #
DE91-009968 ..... 19 p3173 N91-27544 #
DE91-009969 ..... 14 p2336 N91-22918 #
DE91-009972 ..... 15 p2516 N91-23944 #
DE91-009976 ..... 15 p2526 N91-23999 #
DE91-009979 ..... 16 p2630 N91-24562 #
DE91-009980 ..... 16 p2699 N91-24949 #
DE91-009982 ..... 15 p2433 N91-23477 #
DE91-009986 ..... 19 p3186 N91-27618 #
DE91-009988 ..... 16 p2621 N91-24516 #
DE91-009996 ..... 15 p2473 N91-23696 #
DE91-009997 ..... 15 p2401 N91-23297 #
DE91-010000 ..... 17 p2756 N91-25257 #
DE91-010006 ..... 16 p2662 N91-24727 #
DE91-010009 ..... 16 p2700 N91-24955 #
DE91-010012 ..... 16 p2652 N91-24678 #
DE91-010015 ..... 14 p2337 N91-22919 #
DE91-010017 ..... 16 p2701 N91-24956 #
DE91-010030 ..... 15 p2502 N91-23857 #
DE91-010032 ..... 15 p2446 N91-23546 #
DE91-010035 ..... 15 p2444 N91-23540 #
DE91-010049 ..... 17 p2786 N91-25417 #
DE91-010050 ..... 15 p2506 N91-23884 #
DE91-010053 ..... 19 p3247 N91-27959 #
DE91-010054 ..... 16 p2633 N91-24574 #
DE91-010056 ..... 17 p2804 N91-25503 #
DE91-010060 ..... 18 p2956 N91-26315 #
DE91-010063 ..... 15 p2468 N91-23674 #
DE91-010065 ..... 16 p2652 N91-24675 #
DE91-010073 ..... 17 p2759 N91-25271 #
DE91-010076 ..... 17 p2741 N91-25170 #
DE91-010079 ..... 15 p2482 N91-23736 #
DE91-010088 ..... 18 p2958 N91-26326 #
DE91-010089 ..... 15 p2439 N91-23510 #
DE91-010102 ..... 15 p2422 N91-23415 #
DE91-010112 ..... 15 p2445 N91-23541 #
DE91-010122 ..... 15 p2502 N91-23858 #
DE91-010123 ..... 15 p2442 N91-23527 #
DE91-010124 ..... 16 p2660 N91-24717 #
DE91-010125 ..... 19 p3186 N91-27616 #
DE91-010130 ..... 17 p2762 N91-25289 #
DE91-010131 ..... 15 p2507 N91-23893 #
DE91-010133 ..... 17 p2747 N91-25197 #
DE91-010135 ..... 19 p3117 N91-27222 #
DE91-010136 ..... 21 p3518 N91-29536 #
DE91-010138 ..... 19 p3136 N91-27325 #
DE91-010147 ..... 18 p3001 N91-26572 #
DE91-010149 ..... 16 p2601 N91-24416 #
DE91-010150 ..... 21 p3484 N91-29327 #
DE91-010152 ..... 15 p2460 N91-23632 #
DE91-010154 ..... 16 p2655 N91-24691 #
DE91-010155 ..... 15 p2459 N91-23628 #
DE91-010156 ..... 15 p2483 N91-23744 #
DE91-010157 ..... 17 p2759 N91-25272 #
DE91-010181 ..... 15 p2472 N91-23693 #
DE91-010187 ..... 16 p2636 N91-24591 #
DE91-010190 ..... 20 p3359 N91-28608 #
DE91-010191 ..... 16 p2655 N91-24692 #
DE91-010198 ..... 16 p2652 N91-24679 #
DE91-010203 ..... 15 p2483 N91-23741 #
DE91-010204 ..... 15 p2482 N91-23737 #
DE91-010209 ..... 15 p2502 N91-23856 #
DE91-010210 ..... 15 p2514 N91-23935 #
DE91-010215 ..... 15 p2482 N91-23735 #
DE91-010221 ..... 16 p2652 N91-24676 #
DE91-010222 ..... 15 p2506 N91-23882 #
DE91-010226 ..... 17 p2770 N91-25327 #
DE91-010227 ..... 17 p2757 N91-25258 #
DE91-010228 ..... 16 p2602 N91-24422 #
DE91-010231 ..... 15 p2417 N91-23384 #
DE91-010243 ..... 18 p3060 N91-26904 #
DE91-010254 ..... 16 p2695 N91-24923 #
DE91-010256 ..... 17 p2759 N91-25273 #
DE91-010257 ..... 20 p3322 N91-28391 #
DE91-010261 ..... 14 p2328 N91-22864 #
DE91-010262 ..... 17 p2757 N91-25259 #
DE91-010264 ..... 14 p2328 N91-22865 #
DE91-010267 ..... 19 p3240 N91-27920 #
DE91-010268 ..... 14 p2337 N91-22920 #
DE91-010276 ..... 16 p2612 N91-24462 #
DE91-010279 ..... 17 p2870 N91-25878 #
DE91-010282 ..... 18 p2953 N91-26294 #
DE91-010285 ..... 18 p3072 N91-26978 #
DE91-010290 ..... 14 p2341 N91-22947 #
DE91-010297 ..... 14 p2326 N91-22851 #
DE91-010319 ..... 16 p2687 N91-24875 #
DE91-010321 ..... 16 p2660 N91-24718 #
DE91-010323 ..... 16 p2653 N91-24680 #
DE91-010327 ..... 16 p2618 N91-24496 #
DE91-010344 ..... 16 p2598 N91-24401 #
DE91-010363 ..... 17 p2807 N91-25517 #
DE91-010364 ..... 14 p2260 N91-22506 #
DE91-010367 ..... 17 p2871 N91-25879 #
DE91-010368 ..... 15 p2433 N91-23476 #
DE91-010376 ..... 15 p2506 N91-23886 #
DE91-010381 ..... 16 p2687 N91-24876 #
DE91-010382 ..... 15 p2511 N91-23916 #
DE91-010388 ..... 18 p2944 N91-26240 #
DE91-010390 ..... 15 p2511 N91-23913 #
DE91-010391 ..... 15 p2512 N91-23917 #
DE91-010392 ..... 17 p2759 N91-25274 #
DE91-010393 ..... 20 p3353 N91-28574 #
DE91-010395 ..... 16 p2611 N91-24459 #
DE91-010396 ..... 17 p2759 N91-25275 #
DE91-010397 ..... 14 p2326 N91-22852 #
DE91-010421 ..... 15 p2511 N91-23912 #
DE91-010422 ..... 14 p2328 N91-22866 #
DE91-010423 ..... 14 p2326 N91-22853 #
DE91-010424 ..... 15 p2512 N91-23918 #
DE91-010431 ..... 15 p2523 N91-23985 #
DE91-010433 ..... 16 p2653 N91-24681 #
DE91-010442 ..... 16 p2626 N91-24539 #
DE91-010448 ..... 16 p2655 N91-24693 #
DE91-010450 ..... 15 p2438 N91-23505 #
DE91-010451 ..... 18 p2968 N91-26384 #
DE91-010452 ..... 15 p2439 N91-23511 #
DE91-010453 ..... 15 p2493 N91-23805 #
DE91-010454 ..... 15 p2503 N91-23864 #
DE91-010455 ..... 17 p2805 N91-25504 #

DE91-010460 ..... 15 p2433 N91-23478 #
DE91-010461 ..... 19 p3247 N91-27960 #
DE91-010462 ..... 14 p2310 N91-22763 #
DE91-010465 ..... 15 p2524 N91-23986 #
DE91-010466 ..... 18 p3009 N91-26612 #
DE91-010467 ..... 14 p2269 N91-22557 #
DE91-010468 ..... 15 p2433 N91-23479 #
DE91-010469 ..... 15 p2503 N91-23865 #
DE91-010470 ..... 19 p3128 N91-27284 #
DE91-010471 ..... 19 p3155 N91-27443 #
DE91-010472 ..... 19 p3171 N91-27529 #
DE91-010478 ..... 16 p2619 N91-24497 #
DE91-010479 ..... 14 p2258 N91-22490 #
DE91-010480 ..... 14 p2327 N91-22857 #
DE91-010483 ..... 17 p2770 N91-25328 #
DE91-010489 ..... 15 p2511 N91-23914 #
DE91-010490 ..... 15 p2511 N91-23915 #
DE91-010492 ..... 21 p3511 N91-29496 #
DE91-010537 ..... 16 p2687 N91-24873 #
DE91-010541 ..... 19 p3136 N91-27326 #
DE91-010552 ..... 18 p2982 N91-26468 #
DE91-010566 ..... 19 p3250 N91-27979 #
DE91-010567 ..... 16 p2671 N91-24785 #
DE91-010570 ..... 15 p2503 N91-23861 #
DE91-010571 ..... 16 p2607 N91-24447 #
DE91-010577 ..... 15 p2458 N91-23619 #
DE91-010578 ..... 18 p2968 N91-26385 #
DE91-010581 ..... 23 p3806 N91-31230 #
DE91-010584 ..... 15 p2512 N91-23919 #
DE91-010585 ..... 15 p2418 N91-23389 #
DE91-010589 ..... 16 p2695 N91-24924 #
DE91-010590 ..... 15 p2503 N91-23862 #
DE91-010592 ..... 17 p2783 N91-25403 #
DE91-010593 ..... 21 p3590 N91-29970 #
DE91-010594 ..... 15 p2503 N91-23866 #
DE91-010596 ..... 17 p2872 N91-25885 #
DE91-010597 ..... 18 p3072 N91-26979 #
DE91-010599 ..... 15 p2483 N91-23745 #
DE91-010603 ..... 15 p2398 N91-23276 #
DE91-010610 ..... 16 p2602 N91-24417 #
DE91-010614 ..... 16 p2690 N91-24895 #
DE91-010616 ..... 16 p2691 N91-24896 #
DE91-010617 ..... 17 p2807 N91-25519 #
DE91-010620 ..... 17 p2757 N91-25260 #
DE91-010622 ..... 17 p2759 N91-25276 #
DE91-010626 ..... 19 p3250 N91-27980 #
DE91-010640 ..... 16 p2696 N91-24930 #
DE91-010641 ..... 15 p2503 N91-23863 #
DE91-010657 ..... 15 p2512 N91-23920 #
DE91-010658 ..... 17 p2757 N91-25261 #
DE91-010677 ..... 15 p2524 N91-23987 #
DE91-010683 ..... 17 p2871 N91-25880 #
DE91-010686 ..... 15 p2512 N91-23921 #
DE91-010689 ..... 16 p2671 N91-24786 #
DE91-010692 ..... 15 p2504 N91-23867 #
DE91-010695 ..... 16 p2602 N91-24418 #
DE91-010696 ..... 15 p2512 N91-23922 #
DE91-010697 ..... 15 p2513 N91-23923 #
DE91-010699 ..... 17 p2863 N91-25831 #
DE91-010702 ..... 15 p2504 N91-23868 #
DE91-010719 ..... 15 p2393 N91-23245 #
DE91-010720 ..... 17 p2777 N91-25369 #
DE91-010723 ..... 17 p2822 N91-25593 #
DE91-010724 ..... 17 p2871 N91-25881 #
DE91-010727 ..... 18 p3073 N91-26980 #
DE91-010730 ..... 15 p2513 N91-23924 #
DE91-010732 ..... 20 p3354 N91-28576 #
DE91-010739 ..... 15 p2504 N91-23869 #
DE91-010740 ..... 15 p2504 N91-23870 #
DE91-010741 ..... 17 p2784 N91-25404 #
DE91-010742 ..... 17 p2861 N91-25823 #
DE91-010744 ..... 17 p2874 N91-25897 #
DE91-010746 ..... 15 p2504 N91-23871 #
DE91-010749 ..... 15 p2504 N91-23872 #
DE91-010750 ..... 17 p2762 N91-25292 #
DE91-010758 ..... 15 p2418 N91-23390 #
DE91-010759 ..... 17 p2762 N91-25293 #
DE91-010766 ..... 17 p2887 N91-25964 #
DE91-010770 ..... 15 p2508 N91-23894 #
DE91-010773 ..... 17 p2784 N91-25407 #
DE91-010776 ..... 17 p2822 N91-25594 #
DE91-010777 ..... 17 p2817 N91-25567 #
DE91-010779 ..... 15 p2504 N91-23873 #
DE91-010781 ..... 18 p3016 N91-26656 #
DE91-010782 ..... 15 p2411 N91-23353 #
DE91-010785 ..... 16 p2699 N91-24950 #
DE91-010787 ..... 17 p2736 N91-25150 #
DE91-010791 ..... 17 p2822 N91-25596 #
DE91-010794 ..... 17 p2762 N91-25294 #
DE91-010795 ..... 19 p3232 N91-27867 #
DE91-010797 ..... 15 p2516 N91-23945 #
DE91-010798 ..... 19 p3136 N91-27327 #
DE91-010799 ..... 15 p2398 N91-23277 #
DE91-010806 ..... 18 p2956 N91-26316 #
DE91-010807 ..... 17 p2866 N91-25856 #
DE91-010809 ..... 16 p2636 N91-24592 #
DE91-010811 ..... 17 p2864 N91-25838 #
DE91-010813 ..... 17 p2784 N91-25408 #
DE91-010816 ..... 18 p2967 N91-26379 #
DE91-010822 ..... 17 p2807 N91-25520 #
DE91-010823 ..... 17 p2781 N91-25391 #
DE91-010824 ..... 17 p2767 N91-25315 #
DE91-010827 ..... 16 p2695 N91-24925 #
DE91-010835 ..... 17 p2791 N91-25441 #
DE91-010838 ..... 16 p2602 N91-24419 #
DE91-010840 ..... 18 p2951 N91-26285 #
DE91-010850 ..... 17 p2757 N91-25262 #
DE91-010852 ..... 17 p2805 N91-25509 #
DE91-010854 ..... 17 p2868 N91-25866 #
DE91-010855 ..... 16 p2630 N91-24563 #
DE91-010856 ..... 18 p3057 N91-26888 #
DE91-010858 ..... 18 p3084 N91-27053 #
DE91-010859 ..... 18 p2934 N91-26186 #
DE91-010863 ..... 17 p2888 N91-25965 #
DE91-010865 ..... 16 p2679 N91-24832 #
DE91-010867 ..... 17 p2759 N91-25277 #
DE91-010869 ..... 21 p3590 N91-29971 #
DE91-010872 ..... 21 p3473 N91-29260 #
DE91-010873 ..... 17 p2888 N91-25966 #
DE91-010874 ..... 17 p2778 N91-25375 #
DE91-010875 ..... 17 p2730 N91-25118 #
DE91-010883 ..... 17 p2888 N91-25967 #
DE91-010902 ..... 17 p2875 N91-25901 #
DE91-010914 ..... 17 p2872 N91-25886 #
DE91-010915 ..... 18 p3060 N91-26905 #
DE91-010922 ..... 17 p2817 N91-25568 #
DE91-010923 ..... 18 p2970 N91-26399 #
DE91-010927 ..... 16 p2602 N91-24420 #
DE91-010933 ..... 17 p2807 N91-25521 #
DE91-010935 ..... 17 p2760 N91-25278 #
DE91-010947 ..... 17 p2770 N91-25330 #
DE91-010969 ..... 16 p2692 N91-24904 #
DE91-010972 ..... 17 p2863 N91-25832 #
DE91-010974 ..... 17 p2871 N91-25882 #
DE91-010975 ..... 22 p3658 N91-30361 #
DE91-010980 ..... 18 p3061 N91-26906 #
DE91-010995 ..... 17 p2784 N91-25405 #
DE91-010999 ..... 22 p3677 N91-30471 #
DE91-011000 ..... 20 p3322 N91-28392 #
DE91-011002 ..... 15 p2446 N91-23547 #
DE91-011004 ..... 15 p2418 N91-23391 #
DE91-011008 ..... 17 p2822 N91-25595 #
DE91-011010 ..... 16 p2692 N91-24905 #
DE91-011018 ..... 18 p2968 N91-26386 #
DE91-011020 ..... 17 p2822 N91-25597 #
DE91-011022 ..... 17 p2823 N91-25598 #
DE91-011024 ..... 17 p2863 N91-25833 #
DE91-011025 ..... 17 p2867 N91-25857 #
DE91-011026 ..... 17 p2872 N91-25887 #
DE91-011029 ..... 18 p2951 N91-26286 #
DE91-011030 ..... 17 p2816 N91-25564 #
DE91-011031 ..... 17 p2817 N91-25569 #
DE91-011032 ..... 22 p3688 N91-30535 #
DE91-011046 ..... 17 p2888 N91-25968 #
DE91-011047 ..... 17 p2740 N91-25166 #
DE91-011051 ..... 17 p2741 N91-25169 #
DE91-011069 ..... 17 p2846 N91-25733 #
DE91-011071 ..... 16 p2693 N91-24908 #
DE91-011072 ..... 18 p2952 N91-26290 #
DE91-011076 ..... 16 p2692 N91-24906 #
DE91-011083 ..... 17 p2805 N91-25505 #
DE91-011085 ..... 18 p3052 N91-26854 #
DE91-011089 ..... 17 p2760 N91-25279 #
DE91-011094 ..... 21 p3573 N91-29864 #
DE91-011097 ..... 20 p3360 N91-28615 #
DE91-011099 ..... 18 p2967 N91-26380 #
DE91-011100 ..... 20 p3315 N91-28350 #
DE91-011101 ..... 17 p2887 N91-25962 #
DE91-011115 ..... 17 p2867 N91-25858 #
DE91-011116 ..... 21 p3590 N91-29972 #
DE91-011117 ..... 20 p3315 N91-28351 #
DE91-011119 ..... 17 p2872 N91-25888 #
DE91-011120 ..... 17 p2873 N91-25889 #
DE91-011121 ..... 17 p2873 N91-25890 #
DE91-011125 ..... 18 p2955 N91-26308 #
DE91-011126 ..... 18 p3060 N91-26902 #
DE91-011130 ..... 17 p2816 N91-25565 #
DE91-011131 ..... 18 p2952 N91-26291 #
DE91-011132 ..... 18 p3019 N91-26667 #
DE91-011138 ..... 21 p3586 N91-29950 #
DE91-011139 ..... 17 p2867 N91-25859 #
DE91-011140 ..... 17 p2867 N91-25860 #
DE91-011142 ..... 18 p2955 N91-26309 #
DE91-011148 ..... 17 p2808 N91-25522 #
DE91-011160 ..... 18 p3005 N91-26595 #
DE91-011162 ..... 17 p2808 N91-25523 #
DE91-011163 ..... 17 p2762 N91-25290 #
DE91-011164 ..... 17 p2784 N91-25409 #
DE91-011168 ..... 18 p2986 N91-26489 #
DE91-011169 ..... 16 p2687 N91-24874 #
DE91-011172 ..... 17 p2888 N91-25969 #
DE91-011173 ..... 16 p2685 N91-24870 #

DE91-011175 ..... 17 p2847 N91-25735 #
DE91-011178 ..... 17 p2841 N91-25701 #
DE91-011179 ..... 18 p3071 N91-26971 #
DE91-011180 ..... 17 p2873 N91-25891 #
DE91-011181 ..... 17 p2760 N91-25280 #
DE91-011182 ..... 17 p2867 N91-25861 #
DE91-011185 ..... 17 p2847 N91-25734 #
DE91-011187 ..... 17 p2760 N91-25281 #
DE91-011188 ..... 17 p2757 N91-25263 #
DE91-011189 ..... 20 p3396 N91-28824 #
DE91-011192 ..... 17 p2864 N91-25839 #
DE91-011193 ..... 20 p3348 N91-28542 #
DE91-011194 ..... 18 p2944 N91-26241 #
DE91-011195 ..... 17 p2916 N91-26102 #
DE91-011196 ..... 17 p2860 N91-25816 #
DE91-011197 ..... 17 p2873 N91-25892 #
DE91-011199 ..... 17 p2808 N91-25524 #
DE91-011200 ..... 17 p2781 N91-25389 #
DE91-011201 ..... 17 p2867 N91-25862 #
DE91-011202 ..... 17 p2780 N91-25385 #
DE91-011221 ..... 23 p3805 N91-31222 #
DE91-011224 ..... 18 p2986 N91-26486 #
DE91-011231 ..... 17 p2841 N91-25702 #
DE91-011232 ..... 18 p2970 N91-26398 #
DE91-011233 ..... 18 p3000 N91-26570 #
DE91-011234 ..... 17 p2873 N91-25893 #
DE91-011238 ..... 17 p2808 N91-25525 #
DE91-011239 ..... 17 p2808 N91-25526 #
DE91-011248 ..... 18 p3061 N91-26907 #
DE91-011253 ..... 17 p2918 N91-26106 #
DE91-011255 ..... 17 p2836 N91-25677 #
DE91-011256 ..... 17 p2785 N91-25410 #
DE91-011258 ..... 17 p2807 N91-25518 #
DE91-011263 ..... 18 p3016 N91-26653 #
DE91-011265 ..... 17 p2847 N91-25736 #
DE91-011267 ..... 17 p2770 N91-25329 #
DE91-011276 ..... 21 p3477 N91-29285 #
DE91-011295 ..... 18 p3067 N91-26945 #
DE91-011303 ..... 22 p3667 N91-30417 #
DE91-011322 ..... 17 p2770 N91-25331 #
DE91-011325 ..... 23 p3877 N91-31634 #
DE91-011326 ..... 17 p2763 N91-25295 #
DE91-011332 ..... 17 p2760 N91-25282 #
DE91-011342 ..... 17 p2777 N91-25370 #
DE91-011346 ..... 17 p2823 N91-25599 #
DE91-011347 ..... 17 p2847 N91-25737 #
DE91-011364 ..... 17 p2868 N91-25867 #
DE91-011366 ..... 18 p2957 N91-26317 #
DE91-011369 ..... 18 p3061 N91-26908 #
DE91-011372 ..... 17 p2871 N91-25883 #
DE91-011373 ..... 20 p3324 N91-28406 #
DE91-011374 ..... 17 p2862 N91-25828 #
DE91-011381 ..... 18 p2952 N91-26292 #
DE91-011382 ..... 18 p2991 N91-26515 #
DE91-011383 ..... 17 p2778 N91-25376 #
DE91-011384 ..... 19 p3265 N91-28058 #
DE91-011389 ..... 19 p3240 N91-27921 #
DE91-011390 ..... 18 p2997 N91-26554 #
DE91-011392 ..... 17 p2861 N91-25824 #
DE91-011397 ..... 17 p2757 N91-25264 #
DE91-011398 ..... 20 p3286 N91-28173 #
DE91-011399 ..... 18 p2992 N91-26522 #
DE91-011404 ..... 18 p3062 N91-26915 #
DE91-011405 ..... 20 p3424 N91-28990 #
DE91-011409 ..... 17 p2771 N91-25332 #
DE91-011412 ..... 17 p2862 N91-25829 #
DE91-011416 ..... 17 p2873 N91-25894 #
DE91-011426 ..... 17 p2868 N91-25863 #
DE91-011427 ..... 17 p2868 N91-25864 #
DE91-011430 ..... 17 p2839 N91-25691 #
DE91-011436 ..... 20 p3424 N91-28991 #
DE91-011437 ..... 19 p3264 N91-28054 #
DE91-011445 ..... 17 p2869 N91-25868 #
DE91-011446 ..... 17 p2869 N91-25869 #
DE91-011448 ..... 17 p2860 N91-25814 #
DE91-011480 ..... 20 p3308 N91-28313 #
DE91-011493 ..... 20 p3309 N91-28319 #
DE91-011495 ..... 17 p2771 N91-25333 #
DE91-011496 ..... 20 p3322 N91-28393 #
DE91-011499 ..... 18 p3065 N91-26936 #
DE91-011500 ..... 20 p3309 N91-28314 #
DE91-011501 ..... 21 p3518 N91-29537 #
DE91-011503 ..... 20 p3320 N91-28379 #
DE91-011504 ..... 19 p3148 N91-27400 #
DE91-011507 ..... 20 p3307 N91-28305 #
DE91-011511 ..... 20 p3416 N91-28944 #
DE91-011512 ..... 18 p2967 N91-26381 #
DE91-011513 ..... 17 p2777 N91-25371 #
DE91-011515 ..... 17 p2837 N91-25678 #
DE91-011516 ..... 18 p3082 N91-27043 #
DE91-011517 ..... 17 p2784 N91-25406 #
DE91-011522 ..... 17 p2869 N91-25870 #
DE91-011523 ..... 17 p2869 N91-25871 #
DE91-011524 ..... 17 p2781 N91-25390 #
DE91-011525 ..... 17 p2862 N91-25830 #
DE91-011531 ..... 18 p3007 N91-26606 #
DE91-011532 ..... 21 p3510 N91-29489 #
DE91-011533 ..... 17 p2777 N91-25372 #
DE91-011534 ..... 17 p2778 N91-25377 #
DE91-011537 ..... 20 p3390 N91-28781 #
DE91-011538 ..... 17 p2778 N91-25373 #
DE91-011540 ..... 17 p2860 N91-25813 #
DE91-011543 ..... 18 p3084 N91-27052 #
DE91-011545 ..... 20 p3307 N91-28306 #
DE91-011554 ..... 17 p2780 N91-25386 #
DE91-011710 ..... 18 p3074 N91-26990 #
DE91-011728 ..... 18 p3007 N91-26607 #
DE91-011735 ..... 18 p2967 N91-26382 #
DE91-011737 ..... 18 p3071 N91-26972 #
DE91-011740 ..... 18 p3066 N91-26938 #
DE91-011741 ..... 18 p3066 N91-26939 #
DE91-011742 ..... 17 p2869 N91-25872 #
DE91-011744 ..... 18 p3055 N91-26871 #
DE91-011746 ..... 18 p3007 N91-26604 #
DE91-011747 ..... 18 p2955 N91-26310 #
DE91-011748 ..... 21 p3591 N91-29973 #
DE91-011749 ..... 17 p2874 N91-25895 #
DE91-011750 ..... 18 p3008 N91-26608 #
DE91-011758 ..... 19 p3238 N91-27906 #
DE91-011762 ..... 17 p2847 N91-25738 #
DE91-011764 ..... 17 p2864 N91-25837 #
DE91-011767 ..... 18 p2981 N91-26463 #
DE91-011775 ..... 17 p2767 N91-25314 #
DE91-011776 ..... 17 p2778 N91-25374 #
DE91-011796 ..... 17 p2801 N91-25501 #
DE91-011824 ..... 18 p3084 N91-27050 #
DE91-011825 ..... 20 p3387 N91-28768 #
DE91-011826 ..... 18 p3075 N91-26991 #
DE91-011827 ..... 21 p3591 N91-29974 #
DE91-011828 ..... 18 p3073 N91-26981 #
DE91-011830 ..... 20 p3424 N91-28992 #
DE91-011832 ..... 17 p2870 N91-25873 #
DE91-011835 ..... 18 p3073 N91-26982 #
DE91-011841 ..... 17 p2839 N91-25692 #
DE91-011844 ..... 18 p2986 N91-26487 #
DE91-011845 ..... 20 p3359 N91-28609 #
DE91-011849 ..... 18 p3053 N91-26863 #
DE91-011850 ..... 18 p2991 N91-26516 #
DE91-011851 ..... 18 p3067 N91-26946 #
DE91-011864 ..... 17 p2872 N91-25884 #
DE91-011865 ..... 17 p2888 N91-25970 #
DE91-011867 ..... 18 p3021 N91-26681 #
DE91-011868 ..... 17 p2778 N91-25378 #
DE91-011871 ..... 20 p3304 N91-28284 #
DE91-011873 ..... 20 p3437 N91-29073 #
DE91-011874 ..... 20 p3371 N91-28677 #
DE91-011879 ..... 17 p2868 N91-25865 #
DE91-011883 ..... 20 p3426 N91-29002 #
DE91-011885 ..... 20 p3314 N91-28345 #
DE91-011886 ..... 20 p3424 N91-28993 #
DE91-011892 ..... 18 p3001 N91-26571 #
DE91-011894 ..... 18 p3071 N91-26973 #
DE91-011897 ..... 18 p2956 N91-26311 #
DE91-011899 ..... 18 p3075 N91-26992 #
DE91-011902 ..... 17 p2837 N91-25679 #
DE91-011905 ..... 18 p3060 N91-26903 #
DE91-011910 ..... 17 p2874 N91-25896 #
DE91-011911 ..... 18 p2981 N91-26464 #
DE91-011913 ..... 20 p3332 N91-28452 #
DE91-011915 ..... 20 p3332 N91-28453 #
DE91-011916 ..... 18 p3072 N91-26974 #
DE91-011917 ..... 20 p3396 N91-28825 #
DE91-011919 ..... 18 p3049 N91-26834 #
DE91-011921 ..... 18 p2957 N91-26318 #
DE91-011923 ..... 20 p3307 N91-28307 #
DE91-011924 ..... 20 p3304 N91-28286 #
DE91-011925 ..... 20 p3304 N91-28285 #
DE91-011927 ..... 20 p3322 N91-28394 #
DE91-011929 ..... 20 p3405 N91-28876 #
DE91-011930 ..... 20 p3357 N91-28599 #
DE91-011931 ..... 18 p2934 N91-26187 #
DE91-011934 ..... 20 p3334 N91-28462 #
DE91-011949 ..... 20 p3426 N91-29003 #
DE91-011956 ..... 20 p3330 N91-28442 #
DE91-011957 ..... 20 p3400 N91-28846 #
DE91-011958 ..... 20 p3426 N91-29004 #
DE91-011963 ..... 23 p3814 N91-31274 #
DE91-011964 ..... 18 p3072 N91-26975 #
DE91-011966 ..... 18 p3073 N91-26983 #
DE91-011967 ..... 18 p3067 N91-26943 #
DE91-011972 ..... 18 p3007 N91-26605 #
DE91-011974 ..... 18 p3082 N91-27044 #
DE91-011976 ..... 18 p3062 N91-26914 #
DE91-012007 ..... 18 p2957 N91-26319 #
DE91-012008 ..... 20 p3337 N91-28483 #
DE91-012011 ..... 20 p3349 N91-28544 #
DE91-012012 ..... 20 p3323 N91-28395 #
DE91-012014 ..... 18 p2957 N91-26320 #
DE91-012015 ..... 20 p3314 N91-28346 #
DE91-012016 ..... 23 p3817 N91-31292 #
DE91-012018 ..... 20 p3399 N91-28841 #
DE91-012019 ..... 20 p3397 N91-28826 #

DE91-012021 ..... 20 p3324 N91-28407 #
DE91-012022 ..... 18 p3073 N91-26984 #
DE91-012023 ..... 18 p2952 N91-26287 #
DE91-012024 ..... 18 p3021 N91-26679 #
DE91-012033 ..... 20 p3302 N91-28275 #
DE91-012034 ..... 20 p3397 N91-28827 #
DE91-012035 ..... 21 p3537 N91-29652 #
DE91-012036 ..... 18 p2992 N91-26523 #
DE91-012037 ..... 20 p3378 N91-28712 #
DE91-012049 ..... 18 p3062 N91-26916 #
DE91-012051 ..... 18 p2957 N91-26321 #
DE91-012052 ..... 20 p3358 N91-28601 #
DE91-012057 ..... 18 p2992 N91-26524 #
DE91-012058 ..... 18 p3061 N91-26909 #
DE91-012062 ..... 18 p2958 N91-26322 #
DE91-012063 ..... 20 p3338 N91-28484 #
DE91-012067 ..... 18 p3021 N91-26680 #
DE91-012068 ..... 18 p2958 N91-26323 #
DE91-012069 ..... 18 p2944 N91-26242 #
DE91-012072 ..... 20 p3361 N91-28619 #
DE91-012074 ..... 18 p3008 N91-26609 #
DE91-012075 ..... 18 p3008 N91-26610 #
DE91-012077 ..... 18 p3019 N91-26668 #
DE91-012079 ..... 18 p2991 N91-26517 #
DE91-012080 ..... 18 p2991 N91-26518 #
DE91-012081 ..... 18 p2992 N91-26525 #
DE91-012082 ..... 18 p2993 N91-26526 #
DE91-012083 ..... 20 p3350 N91-28551 #
DE91-012084 ..... 20 p3325 N91-28408 #
DE91-012089 ..... 18 p3067 N91-26947 #
DE91-012102 ..... 20 p3279 N91-28133 #
DE91-012105 ..... 18 p3082 N91-27045 #
DE91-012106 ..... 20 p3388 N91-28772 #
DE91-012109 ..... 22 p3752 N91-30915 #
DE91-012111 ..... 18 p2991 N91-26519 #
DE91-012113 ..... 20 p3397 N91-28828 #
DE91-012128 ..... 18 p3044 N91-26805 #
DE91-012129 ..... 20 p3330 N91-28441 #
DE91-012131 ..... 20 p3338 N91-28485 #
DE91-012135 ..... 20 p3397 N91-28829 #
DE91-012144 ..... 20 p3325 N91-28409 #
DE91-012147 ..... 20 p3398 N91-28830 #
DE91-012150 ..... 19 p3250 N91-27974 #
DE91-012151 ..... 20 p3342 N91-28508 #
DE91-012162 ..... 18 p3061 N91-26910 #
DE91-012165 ..... 20 p3398 N91-28831 #
DE91-012169 ..... 20 p3429 N91-29020 #
DE91-012171 ..... 18 p3021 N91-26682 #
DE91-012172 ..... 18 p3052 N91-26855 #
DE91-012182 ..... 18 p2958 N91-26324 #
DE91-012186 ..... 20 p3323 N91-28396 #
DE91-012217 ..... 20 p3400 N91-28847 #
DE91-012218 ..... 20 p3426 N91-29005 #
DE91-012219 ..... 20 p3323 N91-28397 #
DE91-012220 ..... 20 p3315 N91-28352 #
DE91-012221 ..... 20 p3398 N91-28832 #
DE91-012222 ..... 18 p2953 N91-26293 #
DE91-012224 ..... 20 p3329 N91-28438 #
DE91-012227 ..... 18 p3061 N91-26911 #
DE91-012228 ..... 20 p3334 N91-28463 #
DE91-012241 ..... 20 p3424 N91-28994 #
DE91-012242 ..... 20 p3342 N91-28509 #
DE91-012243 ..... 20 p3368 N91-28659 #
DE91-012248 ..... 20 p3323 N91-28398 #
DE91-012277 ..... 20 p3425 N91-28995 #
DE91-012284 ..... 20 p3401 N91-28848 #
DE91-012299 ..... 20 p3398 N91-28833 #
DE91-012300 ..... 18 p3062 N91-26912 #
DE91-012315 ..... 20 p3398 N91-28834 #
DE91-012319 ..... 20 p3425 N91-28996 #
DE91-012323 ..... 20 p3391 N91-28792 #
DE91-012336 ..... 20 p3448 N91-29133 #
DE91-012337 ..... 20 p3323 N91-28399 #
DE91-012338 ..... 21 p3473 N91-29259 #
DE91-012339 ..... 20 p3404 N91-28868 #
DE91-012340 ..... 20 p3425 N91-28997 #
DE91-012342 ..... 20 p3309 N91-28315 #
DE91-012343 ..... 21 p3550 N91-29723 #
DE91-012344 ..... 20 p3426 N91-29006 #
DE91-012345 ..... 20 p3308 N91-28308 #
DE91-012346 ..... 20 p3434 N91-29054 #
DE91-012348 ..... 18 p3084 N91-27051 #
DE91-012350 ..... 20 p3425 N91-28998 #
DE91-012352 ..... 20 p3429 N91-29021 #
DE91-012355 ..... 18 p3073 N91-26985 #
DE91-012357 ..... 20 p3303 N91-28281 #
DE91-012361 ..... 20 p3382 N91-28737 #
DE91-012363 ..... 20 p3427 N91-29007 #
DE91-012368 ..... 20 p3348 N91-28543 #
DE91-012370 ..... 20 p3382 N91-28738 #
DE91-012387 ..... 20 p3350 N91-28552 #
DE91-012396 ..... 20 p3417 N91-28945 #
DE91-012397 ..... 20 p3418 N91-28950 #
DE91-012402 ..... 20 p3334 N91-28464 #
DE91-012414 ..... 20 p3436 N91-29069 #
DE91-012416 ..... 20 p3438 N91-29075 #
DE91-012420 ..... 20 p3437 N91-29070 #
DE91-012421 ..... 20 p3436 N91-29066 #
DE91-012425 ..... 20 p3437 N91-29071 #
DE91-012427 ..... 20 p3436 N91-29067 #
DE91-012428 ..... 20 p3438 N91-29076 #
DE91-012471 ..... 20 p3325 N91-28410 #
DE91-012472 ..... 20 p3427 N91-29008 #
DE91-012473 ..... 18 p3074 N91-26986 #
DE91-012481 ..... 20 p3391 N91-28793 #
DE91-012485 ..... 20 p3425 N91-28999 #
DE91-012486 ..... 20 p3384 N91-28749 #
DE91-012490 ..... 20 p3360 N91-28610 #
DE91-012491 ..... 20 p3438 N91-29074 #
DE91-012494 ..... 21 p3522 N91-29559 #
DE91-012506 ..... 20 p3398 N91-28835 #
DE91-012508 ..... 18 p2958 N91-26325 #
DE91-012512 ..... 18 p3062 N91-26917 #
DE91-012513 ..... 20 p3308 N91-28309 #
DE91-012516 ..... 20 p3417 N91-28946 #
DE91-012519 ..... 20 p3399 N91-28836 #
DE91-012520 ..... 20 p3337 N91-28481 #
DE91-012521 ..... 20 p3394 N91-28809 #
DE91-012522 ..... 20 p3308 N91-28310 #
DE91-012526 ..... 20 p3308 N91-28311 #
DE91-012527 ..... 20 p3390 N91-28783 #
DE91-012529 ..... 20 p3317 N91-28360 #
DE91-012530 ..... 20 p3426 N91-29000 #
DE91-012531 ..... 22 p3643 N91-30272 #
DE91-012537 ..... 20 p3360 N91-28611 #
DE91-012538 ..... 21 p3591 N91-29975 #
DE91-012544 ..... 20 p3399 N91-28837 #
DE91-012550 ..... 20 p3342 N91-28506 #
DE91-012552 ..... 20 p3391 N91-28794 #
DE91-012554 ..... 18 p3052 N91-26856 #
DE91-012561 ..... 20 p3405 N91-28877 #
DE91-012607 ..... 21 p3473 N91-29261 #
DE91-012608 ..... 20 p3323 N91-28400 #
DE91-012610 ..... 20 p3302 N91-28276 #
DE91-012618 ..... 18 p2998 N91-26555 #
DE91-012627 ..... 20 p3388 N91-28773 #
DE91-012629 ..... 20 p3314 N91-28347 #
DE91-012630 ..... 20 p3290 N91-28188 #
DE91-012634 ..... 21 p3503 N91-29440 #
DE91-012635 ..... 21 p3603 N91-30045 #
DE91-012636 ..... 20 p3350 N91-28553 #
DE91-012638 ..... 20 p3400 N91-28842 #
DE91-012642 ..... 20 p3324 N91-28401 #
DE91-012643 ..... 20 p3358 N91-28600 #
DE91-012647 ..... 20 p3326 N91-28417 #
DE91-012649 ..... 23 p3859 N91-31517 #
DE91-012651 ..... 20 p3427 N91-29009 #
DE91-012652 ..... 20 p3389 N91-28775 #
DE91-012653 ..... 20 p3367 N91-28651 #
DE91-012654 ..... 20 p3360 N91-28616 #
DE91-012655 ..... 20 p3324 N91-28402 #
DE91-012656 ..... 20 p3393 N91-28805 #
DE91-012660 ..... 20 p3309 N91-28316 #
DE91-012661 ..... 20 p3310 N91-28323 #
DE91-012669 ..... 20 p3366 N91-28649 #
DE91-012677 ..... 20 p3400 N91-28843 #
DE91-012678 ..... 20 p3315 N91-28353 #
DE91-012679 ..... 20 p3426 N91-29001 #
DE91-012707 ..... 20 p3427 N91-29010 #
DE91-012713 ..... 20 p3378 N91-28713 #
DE91-012714 ..... 20 p3304 N91-28287 #
DE91-012720 ..... 20 p3399 N91-28838 #
DE91-012734 ..... 20 p3418 N91-28951 #
DE91-012736 ..... 20 p3316 N91-28354 #
DE91-012743 ..... 20 p3339 N91-28491 #
DE91-012745 ..... 20 p3316 N91-28355 #
DE91-012746 ..... 20 p3427 N91-29011 #
DE91-012768 ..... 20 p3303 N91-28282 #
DE91-012776 ..... 20 p3282 N91-28148 #
DE91-012779 ..... 20 p3367 N91-28652 #
DE91-012781 ..... 20 p3310 N91-28320 #
DE91-012782 ..... 20 p3308 N91-28312 #
DE91-012797 ..... 20 p3418 N91-28954 #
DE91-012807 ..... 20 p3343 N91-28510 #
DE91-012808 ..... 20 p3316 N91-28356 #
DE91-012812 ..... 20 p3438 N91-29077 #
DE91-012815 ..... 20 p3392 N91-28795 #
DE91-012817 ..... 20 p3436 N91-29068 #
DE91-012818 ..... 20 p3384 N91-28750 #
DE91-012860 ..... 20 p3400 N91-28844 #
DE91-012864 ..... 20 p3338 N91-28487 #
DE91-012865 ..... 20 p3367 N91-28653 #
DE91-012867 ..... 20 p3325 N91-28411 #
DE91-012871 ..... 20 p3427 N91-29012 #
DE91-012873 ..... 20 p3367 N91-28654 #
DE91-012877 ..... 23 p3908 N91-31815 #
DE91-012883 ..... 20 p3378 N91-28716 #
DE91-012885 ..... 20 p3418 N91-28955 #
DE91-012894 ..... 20 p3378 N91-28717 #
DE91-012911 ..... 20 p3404 N91-28869 #
DE91-012912 ..... 20 p3392 N91-28796 #
DE91-012922 ..... 20 p3309 N91-28317 #

DE91-012926 ..... 20 p3325 N91-28412 #
DE91-012927 ..... 20 p3378 N91-28715 #
DE91-012929 ..... 21 p3540 N91-29668 #
DE91-012930 ..... 20 p3317 N91-28364 #
DE91-012945 ..... 20 p3350 N91-28554 #
DE91-012948 ..... 20 p3392 N91-28797 #
DE91-012950 ..... 20 p3315 N91-28348 #
DE91-012954 ..... 20 p3401 N91-28853 #
DE91-012955 ..... 20 p3325 N91-28413 #
DE91-012961 ..... 20 p3326 N91-28418* #
DE91-012965 ..... 20 p3392 N91-28798 #
DE91-012981 ..... 20 p3417 N91-28947 #
DE91-012984 ..... 21 p3585 N91-29942 #
DE91-012987 ..... 20 p3392 N91-28800 #
DE91-012989 ..... 20 p3382 N91-28734 #
DE91-012990 ..... 20 p3394 N91-28810 #
DE91-012991 ..... 21 p3497 N91-29401 #
DE91-012997 ..... 20 p3390 N91-28784 #
DE91-012998 ..... 20 p3343 N91-28512 #
DE91-013004 ..... 20 p3353 N91-28575 #
DE91-013006 ..... 20 p3428 N91-29013 #
DE91-013008 ..... 20 p3343 N91-28511 #
DE91-013010 ..... 20 p3316 N91-28357 #
DE91-013016 ..... 20 p3430 N91-29026 #
DE91-013021 ..... 21 p3521 N91-29555 #
DE91-013023 ..... 21 p3585 N91-29943 #
DE91-013024 ..... 20 p3400 N91-28845 #
DE91-013027 ..... 20 p3303 N91-28283 #
DE91-013028 ..... 20 p3316 N91-28358 #
DE91-013029 ..... 23 p3814 N91-31275 #
DE91-013031 ..... 20 p3361 N91-28617 #
DE91-013045 ..... 20 p3392 N91-28799 #
DE91-013046 ..... 20 p3338 N91-28486 #
DE91-013049 ..... 20 p3338 N91-28488 #
DE91-013054 ..... 20 p3286 N91-28170 #
DE91-013057 ..... 20 p3368 N91-28655 #
DE91-013066 ..... 20 p3351 N91-28558 #
DE91-013068 ..... 20 p3401 N91-28849 #
DE91-013070 ..... 20 p3339 N91-28492 #
DE91-013074 ..... 20 p3304 N91-28288 #
DE91-013075 ..... 20 p3310 N91-28324 #
DE91-013076 ..... 20 p3435 N91-29055 #
DE91-013077 ..... 20 p3349 N91-28545 #
DE91-013105 ..... 20 p3366 N91-28645 #
DE91-013106 ..... 23 p3931 N91-31966 #
DE91-013108 ..... 20 p3429 N91-29022 #
DE91-013111 ..... 20 p3343 N91-28514 #
DE91-013113 ..... 20 p3353 N91-28573 #
DE91-013114 ..... 21 p3510 N91-29491 #
DE91-013128 ..... 20 p3418 N91-28952 #
DE91-013130 ..... 20 p3351 N91-28559 #
DE91-013131 ..... 20 p3417 N91-28948 #
DE91-013132 ..... 20 p3360 N91-28612 #
DE91-013134 ..... 21 p3478 N91-29292 #
DE91-013140 ..... 21 p3484 N91-29330 #
DE91-013147 ..... 20 p3385 N91-28751 #
DE91-013151 ..... 21 p3478 N91-29293 #
DE91-013154 ..... 20 p3399 N91-28839 #
DE91-013157 ..... 21 p3585 N91-29945 #
DE91-013164 ..... 21 p3521 N91-29556 #
DE91-013167 ..... 21 p3580 N91-29915 #
DE91-013168 ..... 21 p3536 N91-29644 #
DE91-013190 ..... 21 p3453 N91-29152 #
DE91-013195 ..... 21 p3530 N91-29612 #
DE91-013202 ..... 20 p3404 N91-28867 #
DE91-013204 ..... 20 p3310 N91-28325 #
DE91-013208 ..... 21 p3484 N91-29328 #
DE91-013218 ..... 20 p3381 N91-28732 #
DE91-013222 ..... 20 p3438 N91-29078 #
DE91-013228 ..... 20 p3287 N91-28174 #
DE91-013229 ..... 20 p3330 N91-28443 #
DE91-013231 ..... 21 p3462 N91-29200 #
DE91-013232 ..... 20 p3379 N91-28718 #
DE91-013233 ..... 20 p3385 N91-28753 #
DE91-013237 ..... 20 p3428 N91-29014 #
DE91-013242 ..... 20 p3351 N91-28560 #
DE91-013244 ..... 21 p3586 N91-29946 #
DE91-013245 ..... 20 p3419 N91-28958 #
DE91-013246 ..... 20 p3351 N91-28561 #
DE91-013247 ..... 21 p3570 N91-29850 #
DE91-013248 ..... 20 p3375 N91-28700 #
DE91-013250 ..... 20 p3334 N91-28467 #
DE91-013260 ..... 23 p3817 N91-31293 #
DE91-013261 ..... 20 p3332 N91-28451 #
DE91-013262 ..... 20 p3328 N91-28427 #
DE91-013268 ..... 20 p3317 N91-28359 #
DE91-013277 ..... 21 p3503 N91-29441 #
DE91-013280 ..... 23 p3809 N91-31247 #
DE91-013296 ..... 21 p3484 N91-29329 #
DE91-013301 ..... 22 p3699 N91-30597* #
DE91-013305 ..... 21 p3570 N91-29849 #
DE91-013308 ..... 20 p3360 N91-28613 #
DE91-013311 ..... 20 p3325 N91-28414 #
DE91-013312 ..... 20 p3326 N91-28415 #
DE91-013317 ..... 21 p3518 N91-29538 #
DE91-013318 ..... 22 p3754 N91-30927 #
DE91-013328 ..... 20 p3404 N91-28870 #
DE91-013333 ..... 20 p3402 N91-28854 #
DE91-013335 ..... 21 p3542 N91-29681 #
DE91-013336 ..... 20 p3309 N91-28318 #
DE91-013343 ..... 21 p3585 N91-29944 #
DE91-013344 ..... 20 p3435 N91-29061 #
DE91-013345 ..... 20 p3418 N91-28953 #
DE91-013346 ..... 20 p3417 N91-28949 #
DE91-013349 ..... 20 p3361 N91-28620 #
DE91-013352 ..... 20 p3402 N91-28859 #
DE91-013353 ..... 20 p3430 N91-29027 #
DE91-013370 ..... 20 p3361 N91-28618 #
DE91-013374 ..... 20 p3333 N91-28456 #
DE91-013375 ..... 20 p3361 N91-28621 #
DE91-013379 ..... 23 p3884 N91-31673 #
DE91-013381 ..... 20 p3429 N91-29023 #
DE91-013383 ..... 20 p3435 N91-29058 #
DE91-013385 ..... 20 p3326 N91-28419 #
DE91-013386 ..... 20 p3422 N91-28975 #
DE91-013387 ..... 20 p3428 N91-29015 #
DE91-013388 ..... 22 p3643 N91-30273 #
DE91-013389 ..... 20 p3326 N91-28420 #
DE91-013390 ..... 23 p3814 N91-31276 #
DE91-013391 ..... 20 p3343 N91-28513 #
DE91-013392 ..... 20 p3402 N91-28855 #
DE91-013402 ..... 20 p3438 N91-29079 #
DE91-013404 ..... 20 p3403 N91-28860 #
DE91-013405 ..... 20 p3429 N91-29024 #
DE91-013410 ..... 20 p3362 N91-28623 #
DE91-013412 ..... 20 p3401 N91-28850 #
DE91-013414 ..... 20 p3401 N91-28851 #
DE91-013415 ..... 20 p3401 N91-28852 #
DE91-013416 ..... 20 p3350 N91-28555 #
DE91-013417 ..... 21 p3537 N91-29653 #
DE91-013425 ..... 20 p3419 N91-28959 #
DE91-013427 ..... 20 p3331 N91-28445 #
DE91-013428 ..... 24 p4117 N91-33012 #
DE91-013434 ..... 22 p3684 N91-30514 #
DE91-013462 ..... 20 p3358 N91-28602 #
DE91-013479 ..... 20 p3419 N91-28960 #
DE91-013494 ..... 20 p3362 N91-28624 #
DE91-013496 ..... 20 p3287 N91-28177 #
DE91-013497 ..... 20 p3350 N91-28556 #
DE91-013499 ..... 20 p3404 N91-28871 #
DE91-013500 ..... 21 p3522 N91-29560 #
DE91-013501 ..... 20 p3352 N91-28564 #
DE91-013503 ..... 20 p3351 N91-28562 #
DE91-013510 ..... 23 p3916 N91-31868 #
DE91-013520 ..... 20 p3430 N91-29025 #
DE91-013522 ..... 21 p3602 N91-30043 #
DE91-013527 ..... 20 p3327 N91-28421 #
DE91-013528 ..... 20 p3328 N91-28428 #
DE91-013547 ..... 20 p3428 N91-29016 #
DE91-013565 ..... 20 p3331 N91-28447 #
DE91-013566 ..... 20 p3436 N91-29063 #
DE91-013567 ..... 20 p3327 N91-28422 #
DE91-013568 ..... 20 p3339 N91-28489 #
DE91-013571 ..... 20 p3336 N91-28473 #
DE91-013572 ..... 21 p3497 N91-29402 #
DE91-013576 ..... 20 p3363 N91-28631 #
DE91-013584 ..... 20 p3318 N91-28365 #
DE91-013585 ..... 20 p3311 N91-28326 #
DE91-013586 ..... 20 p3363 N91-28628 #
DE91-013588 ..... 21 p3580 N91-29916 #
DE91-013592 ..... 21 p3586 N91-29947 #
DE91-013600 ..... 21 p3479 N91-29294 #
DE91-013603 ..... 20 p3285 N91-28167 #
DE91-013608 ..... 23 p3891 N91-31716 #
DE91-013611 ..... 20 p3363 N91-28629 #
DE91-013615 ..... 20 p3386 N91-28762 #
DE91-013636 ..... 21 p3586 N91-29945 #
DE91-013637 ..... 21 p3586 N91-29949 #
DE91-013638 ..... 20 p3419 N91-28961 #
DE91-013639 ..... 21 p3579 N91-29905 #
DE91-013640 ..... 20 p3403 N91-28863 #
DE91-013641 ..... 20 p3422 N91-28976 #
DE91-013642 ..... 20 p3328 N91-28430 #
DE91-013643 ..... 20 p3422 N91-28977 #
DE91-013644 ..... 20 p3404 N91-28872 #
DE91-013646 ..... 21 p3511 N91-29492 #
DE91-013651 ..... 20 p3319 N91-28376 #
DE91-013652 ..... 20 p3430 N91-29028 #
DE91-013653 ..... 20 p3430 N91-29029 #
DE91-013658 ..... 20 p3305 N91-28291 #
DE91-013662 ..... 20 p3370 N91-28669 #
DE91-013666 ..... 20 p3363 N91-28630 #
DE91-013667 ..... 20 p3394 N91-28814 #
DE91-013668 ..... 20 p3328 N91-28431 #
DE91-013669 ..... 20 p3431 N91-29033 #
DE91-013671 ..... 20 p3318 N91-28366 #
DE91-013672 ..... 20 p3433 N91-29046 #
DE91-013682 ..... 20 p3352 N91-28565 #
DE91-013683 ..... 20 p3369 N91-28661 #
DE91-013684 ..... 20 p3378 N91-28714 #
DE91-013687 ..... 20 p3362 N91-28625 #
DE91-013688 ..... 20 p3363 N91-28632 #

DE91-013689 ..... 20 p3431 N91-29034 #
DE91-013690 ..... 20 p3403 N91-28861 #
DE91-013717 ..... 20 p3328 N91-28432 #
DE91-013721 ..... 20 p3329 N91-28433 #
DE91-013722 ..... 21 p3485 N91-29333 #
DE91-013725 ..... 20 p3385 N91-28755 #
DE91-013726 ..... 20 p3339 N91-28493 #
DE91-013729 ..... 20 p3379 N91-28719 #
DE91-013730 ..... 20 p3318 N91-28367 #
DE91-013740 ..... 20 p3390 N91-28786 #
DE91-013743 ..... 20 p3431 N91-29035 #
DE91-013744 ..... 23 p3851 N91-31472 #
DE91-013745 ..... 20 p3403 N91-28862 #
DE91-013748 ..... 20 p3352 N91-28567 #
DE91-013752 ..... 20 p3430 N91-29030 #
DE91-013755 ..... 21 p3473 N91-29264 #
DE91-013757 ..... 20 p3329 N91-28434 #
DE91-013758 ..... 20 p3385 N91-28756 #
DE91-013759 ..... 20 p3352 N91-28566 #
DE91-013760 ..... 20 p3352 N91-28563 #
DE91-013762 ..... 20 p3370 N91-28670 #
DE91-013763 ..... 20 p3431 N91-29036 #
DE91-013764 ..... 20 p3432 N91-29037 #
DE91-013766 ..... 20 p3329 N91-28435 #
DE91-013767 ..... 20 p3368 N91-28656 #
DE91-013772 ..... 20 p3379 N91-28720 #
DE91-013773 ..... 20 p3349 N91-28548 #
DE91-013778 ..... 20 p3379 N91-28721 #
DE91-013783 ..... 20 p3379 N91-28722 #
DE91-013784 ..... 20 p3436 N91-29062 #
DE91-013787 ..... 20 p3356 N91-28591 #
DE91-013790 ..... 20 p3370 N91-28671 #
DE91-013794 ..... 20 p3431 N91-29031 #
DE91-013802 ..... 20 p3339 N91-28494 #
DE91-013824 ..... 20 p3352 N91-28568 #
DE91-013844 ..... 20 p3358 N91-28603 #
DE91-013848 ..... 20 p3432 N91-29038 #
DE91-013849 ..... 20 p3331 N91-28450 #
DE91-013851 ..... 20 p3386 N91-28763 #
DE91-013852 ..... 20 p3420 N91-28966 #
DE91-013853 ..... 20 p3311 N91-28327 #
DE91-013855 ..... 20 p3381 N91-28728 #
DE91-013856 ..... 20 p3318 N91-28368 #
DE91-013859 ..... 20 p3336 N91-28474 #
DE91-013864 ..... 20 p3432 N91-29039 #
DE91-013884 ..... 20 p3339 N91-28495 #
DE91-013901 ..... 21 p3548 N91-29715 #
DE91-013906 ..... 20 p3318 N91-28369 #
DE91-013908 ..... 21 p3573 N91-29866 #
DE91-013909 ..... 20 p3405 N91-28873 #
DE91-013910 ..... 20 p3387 N91-28764 #
DE91-013933 ..... 20 p3422 N91-28978 #
DE91-013936 ..... 23 p3934 N91-31986 #
DE91-013937 ..... 23 p3934 N91-31985 #
DE91-013938 ..... 22 p3763 N91-30979 #
DE91-013939 ..... 22 p3763 N91-30980 #
DE91-013940 ..... 22 p3764 N91-30981 #
DE91-013948 ..... 20 p3420 N91-28967 #
DE91-013964 ..... 20 p3432 N91-29040 #
DE91-013969 ..... 21 p3565 N91-29815 #
DE91-013970 ..... 20 p3329 N91-28436 #
DE91-013972 ..... 20 p3368 N91-28660 #
DE91-013991 ..... 20 p3402 N91-28856 #
DE91-013994 ..... 20 p3440 N91-29092 #
DE91-014005 ..... 20 p3387 N91-28765 #
DE91-014007 ..... 20 p3320 N91-28377 #
DE91-014008 ..... 22 p3656 N91-30353 #
DE91-014011 ..... 20 p3395 N91-28815 #
DE91-014012 ..... 20 p3356 N91-28592 #
DE91-014013 ..... 20 p3317 N91-28361 #
DE91-014014 ..... 20 p3420 N91-28968 #
DE91-014016 ..... 20 p3281 N91-28147 #
DE91-014017 ..... 20 p3354 N91-28577 #
DE91-014031 ..... 20 p3318 N91-28370 #
DE91-014039 ..... 20 p3311 N91-28331 #
DE91-014069 ..... 20 p3329 N91-28437 #
DE91-014071 ..... 20 p3289 N91-28187 #
DE91-014073 ..... 20 p3303 N91-28279 #
DE91-014098 ..... 20 p3317 N91-28362 #
DE91-014099 ..... 21 p3479 N91-29299 #
DE91-014100 ..... 20 p3320 N91-28380 #
DE91-014105 ..... 20 p3329 N91-28439 #
DE91-014106 ..... 20 p3389 N91-28778 #
DE91-014110 ..... 21 p3522 N91-29561 #
DE91-014112 ..... 20 p3433 N91-29047 #
DE91-014119 ..... 20 p3349 N91-28549 #
DE91-014120 ..... 20 p3433 N91-29048 #
DE91-014126 ..... 20 p3311 N91-28328 #
DE91-014131 ..... 20 p3371 N91-28672 #
DE91-014135 ..... 20 p3419 N91-28962 #
DE91-014141 ..... 20 p3340 N91-28497 #
DE91-014172 ..... 20 p3357 N91-28595 #
DE91-014174 ..... 21 p3490 N91-29369 #
DE91-014180 ..... 24 p4039 N91-32571 #
DE91-014197 ..... 20 p3349 N91-28550 #
DE91-014210 ..... 20 p3421 N91-28969 #
DE91-014213 ..... 23 p3880 N91-31649 #
DE91-014216 ..... 20 p3387 N91-28766 #
DE91-014219 ..... 20 p3389 N91-28779 #
DE91-014233 ..... 20 p3422 N91-28979 #
DE91-014236 ..... 20 p3393 N91-28807 #
DE91-014250 ..... 20 p3418 N91-28956 #
DE91-014253 ..... 21 p3474 N91-29265 #
DE91-014256 ..... 20 p3319 N91-28371 #
DE91-014261 ..... 20 p3312 N91-28332 #
DE91-014263 ..... 23 p3880 N91-31650 #
DE91-014279 ..... 23 p3814 N91-31277 #
DE91-014285 ..... 20 p3440 N91-29089 #
DE91-014287 ..... 20 p3357 N91-28593 #
DE91-014288 ..... 20 p3446 N91-29126 #
DE91-014291 ..... 22 p3749 N91-30899 #
DE91-014317 ..... 20 p3421 N91-28970 #
DE91-014319 ..... 22 p3753 N91-30919 #
DE91-014322 ..... 20 p3336 N91-28475 #
DE91-014329 ..... 20 p3369 N91-28662 #
DE91-014330 ..... 21 p3533 N91-29631 #
DE91-014331 ..... 20 p3344 N91-28515 #
DE91-014332 ..... 21 p3503 N91-29442 #
DE91-014334 ..... 20 p3436 N91-29065 #
DE91-014335 ..... 20 p3287 N91-28178 #
DE91-014336 ..... 20 p3387 N91-28767 #
DE91-014340 ..... 20 p3440 N91-29090 #
DE91-014343 ..... 22 p3736 N91-30810 #
DE91-014344 ..... 20 p3385 N91-28757 #
DE91-014345 ..... 20 p3438 N91-29080 #
DE91-014346 ..... 20 p3385 N91-28754 #
DE91-014348 ..... 20 p3390 N91-28782 #
DE91-014350 ..... 20 p3439 N91-29082 #
DE91-014355 ..... 21 p3577 N91-29897 #
DE91-014356 ..... 20 p3406 N91-28879 #
DE91-014357 ..... 20 p3421 N91-28971 #
DE91-014358 ..... 20 p3422 N91-28980 #
DE91-014359 ..... 20 p3357 N91-28596 #
DE91-014360 ..... 20 p3422 N91-28981 #
DE91-014361 ..... 20 p3380 N91-28724 #
DE91-014364 ..... 20 p3422 N91-28982 #
DE91-014365 ..... 20 p3419 N91-28963 #
DE91-014366 ..... 20 p3420 N91-28964 #
DE91-014367 ..... 20 p3420 N91-28965 #
DE91-014368 ..... 20 p3421 N91-28972 #
DE91-014382 ..... 20 p3432 N91-29041 #
DE91-014383 ..... 20 p3403 N91-28864 #
DE91-014384 ..... 21 p3592 N91-29980 #
DE91-014385 ..... 21 p3592 N91-29978 #
DE91-014388 ..... 20 p3386 N91-28758 #
DE91-014389 ..... 21 p3536 N91-29645 #
DE91-014395 ..... 20 p3419 N91-28957 #
DE91-014401 ..... 21 p3497 N91-29403 #
DE91-014443 ..... 20 p3434 N91-29049 #
DE91-014447 ..... 20 p3369 N91-28664 #
DE91-014457 ..... 21 p3593 N91-29984 #
DE91-014458 ..... 20 p3403 N91-28865 #
DE91-014461 ..... 21 p3512 N91-29500 #
DE91-014462 ..... 21 p3512 N91-29501 #
DE91-014463 ..... 21 p3512 N91-29502 #
DE91-014464 ..... 21 p3480 N91-29300 #
DE91-014465 ..... 21 p3512 N91-29503 #
DE91-014466 ..... 20 p3432 N91-29042 #
DE91-014469 ..... 21 p3592 N91-29979 #
DE91-014470 ..... 20 p3340 N91-28498 #
DE91-014498 ..... 20 p3402 N91-28857 #
DE91-014500 ..... 22 p3650 N91-30315 #
DE91-014512 ..... 20 p3330 N91-28440 #
DE91-014515 ..... 20 p3433 N91-29043 #
DE91-014516 ..... 20 p3319 N91-28372 #
DE91-014519 ..... 21 p3573 N91-29867 #
DE91-014526 ..... 21 p3561 N91-29795 #
DE91-014529 ..... 21 p3512 N91-29504 #
DE91-014536 ..... 20 p3312 N91-28333 #
DE91-014537 ..... 21 p3474 N91-29266 #
DE91-014539 ..... 21 p3599 N91-30024 #
DE91-014541 ..... 20 p3320 N91-28381 #
DE91-014546 ..... 20 p3321 N91-28382 #
DE91-014562 ..... 21 p3570 N91-29851 #
DE91-014574 ..... 21 p3480 N91-29301 #
DE91-014578 ..... 21 p3483 N91-29321 #
DE91-014580 ..... 20 p3433 N91-29044 #
DE91-014586 ..... 20 p3440 N91-29091 #
DE91-014591 ..... 20 p3331 N91-28448 #
DE91-014592 ..... 20 p3380 N91-28725 #
DE91-014593 ..... 21 p3600 N91-30032 #
DE91-014598 ..... 21 p3602 N91-30040 #
DE91-014600 ..... 20 p3364 N91-28633 #
DE91-014601 ..... 21 p3587 N91-29951 #
DE91-014602 ..... 21 p3522 N91-29562 #
DE91-014604 ..... 21 p3503 N91-29443 #
DE91-014605 ..... 20 p3340 N91-28499 #
DE91-014606 ..... 20 p3364 N91-28634 #
DE91-014607 ..... 20 p3434 N91-29050 #
DE91-014609 ..... 20 p3433 N91-29045 #
DE91-014610 ..... 21 p3518 N91-29540 #
DE91-014611 ..... 21 p3508 N91-29477 #

DE91-014614 ..... 20 p3345 N91-28527 #
DE91-014615 ..... 20 p3446 N91-29125 #
DE91-014617 ..... 21 p3503 N91-29444 #
DE91-014618 ..... 21 p3477 N91-29286 #
DE91-014650 ..... 21 p3519 N91-29541 #
DE91-014651 ..... 21 p3531 N91-29619 #
DE91-014654 ..... 23 p3809 N91-31248 #
DE91-014655 ..... 21 p3537 N91-29655 #
DE91-014657 ..... 21 p3463 N91-29203 #
DE91-014661 ..... 21 p3453 N91-29151 #
DE91-014662 ..... 21 p3509 N91-29483 #
DE91-014664 ..... 21 p3504 N91-29445 #
DE91-014665 ..... 20 p3434 N91-29051 #
DE91-014666 ..... 21 p3579 N91-29910 #
DE91-014668 ..... 21 p3508 N91-29478 #
DE91-014669 ..... 21 p3509 N91-29479 #
DE91-014670 ..... 21 p3504 N91-29446 #
DE91-014671 ..... 22 p3668 N91-30425 #
DE91-014673 ..... 20 p3339 N91-28496 #
DE91-014675 ..... 20 p3340 N91-28500 #
DE91-014683 ..... 21 p3572 N91-29861 #
DE91-014695 ..... 21 p3480 N91-29302 #
DE91-014696 ..... 21 p3497 N91-29406 #
DE91-014699 ..... 21 p3593 N91-29985 #
DE91-014701 ..... 21 p3504 N91-29447 #
DE91-014702 ..... 20 p3340 N91-28501 #
DE91-014704 ..... 23 p3813 N91-31272 #
DE91-014707 ..... 20 p3336 N91-28476 #
DE91-014709 ..... 20 p3386 N91-28759 #
DE91-014710 ..... 21 p3463 N91-29204 #
DE91-014728 ..... 21 p3579 N91-29907 #
DE91-014731 ..... 20 p3281 N91-28142 #
DE91-014734 ..... 20 p3371 N91-28673 #
DE91-014736 ..... 21 p3587 N91-29952 #
DE91-014737 ..... 20 p3346 N91-28528 #
DE91-014738 ..... 20 p3287 N91-28179 #
DE91-014739 ..... 21 p3476 N91-29281 #
DE91-014740 ..... 20 p3364 N91-28635 #
DE91-014741 ..... 21 p3513 N91-29505 #
DE91-014742 ..... 21 p3587 N91-29953 #
DE91-014744 ..... 21 p3587 N91-29954 #
DE91-014745 ..... 20 p3423 N91-28983 #
DE91-014748 ..... 21 p3533 N91-29632 #
DE91-014749 ..... 21 p3519 N91-29542 #
DE91-014750 ..... 20 p3364 N91-28636 #
DE91-014751 ..... 21 p3485 N91-29334 #
DE91-014758 ..... 21 p3485 N91-29335 #
DE91-014759 ..... 20 p3421 N91-28973 #
DE91-014765 ..... 21 p3587 N91-29955 #
DE91-014766 ..... 20 p3364 N91-28637 #
DE91-014768 ..... 21 p3509 N91-29480 #
DE91-014770 ..... 21 p3593 N91-29986 #
DE91-014773 ..... 21 p3522 N91-29563 #
DE91-014780 ..... 23 p3916 N91-31869 #
DE91-014786 ..... 22 p3760 N91-30960 #
DE91-014787 ..... 22 p3650 N91-30313 #
DE91-014788 ..... 20 p3405 N91-28874 #
DE91-014789 ..... 20 p3352 N91-28569 #
DE91-014792 ..... 21 p3572 N91-29859 #
DE91-014800 ..... 20 p3403 N91-28866 #
DE91-014803 ..... 21 p3468 N91-29232 #
DE91-014811 ..... 21 p3477 N91-29287 #
DE91-014813 ..... 21 p3547 N91-29711 #
DE91-014814 ..... 20 p3380 N91-28723 #
DE91-014816 ..... 20 p3321 N91-28383 #
DE91-014824 ..... 20 p3311 N91-28329 #
DE91-014826 ..... 21 p3599 N91-30025 #
DE91-014831 ..... 21 p3521 N91-29557 #
DE91-014844 ..... 21 p3599 N91-30026 #
DE91-014856 ..... 21 p3479 N91-29295 #
DE91-014862 ..... 21 p3483 N91-29319 #
DE91-014863 ..... 21 p3606 N91-30065 #
DE91-014865 ..... 20 p3421 N91-28974 #
DE91-014866 ..... 21 p3573 N91-29868 #
DE91-014875 ..... 21 p3554 N91-29746 #
DE91-014895 ..... 21 p3480 N91-29303 #
DE91-014896 ..... 21 p3465 N91-29213* #
DE91-014897 ..... 21 p3578 N91-29898 #
DE91-014898 ..... 21 p3603 N91-30046 #
DE91-014900 ..... 21 p3483 N91-29320 #
DE91-014902 ..... 21 p3480 N91-29304 #
DE91-014903 ..... 20 p3434 N91-29052 #
DE91-014904 ..... 21 p3509 N91-29484 #
DE91-014908 ..... 20 p3436 N91-29064 #
DE91-014915 ..... 21 p3579 N91-29906 #
DE91-014916 ..... 21 p3476 N91-29282 #
DE91-014922 ..... 21 p3588 N91-29956 #
DE91-014939 ..... 20 p3353 N91-28570 #
DE91-014942 ..... 21 p3539 N91-29664 #
DE91-014949 ..... 21 p3542 N91-29682 #
DE91-014950 ..... 21 p3474 N91-29267 #
DE91-014955 ..... 21 p3479 N91-29296 #
DE91-014957 ..... 20 p3371 N91-28674 #
DE91-014959 ..... 21 p3491 N91-29370 #
DE91-014961 ..... 20 p3389 N91-28780 #
DE91-014966 ..... 21 p3561 N91-29793 #
DE91-014967 ..... 21 p3562 N91-29796 #
DE91-014981 ..... 21 p3480 N91-29305 #
DE91-014984 ..... 21 p3481 N91-29306 #
DE91-014985 ..... 23 p3888 N91-31698 #
DE91-014988 ..... 21 p3483 N91-29322 #
DE91-014989 ..... 21 p3601 N91-30039 #
DE91-014990 ..... 21 p3600 N91-30033 #
DE91-014992 ..... 23 p3821 N91-31314 #
DE91-014996 ..... 21 p3529 N91-29606 #
DE91-015051 ..... 21 p3491 N91-29371 #
DE91-015052 ..... 21 p3584 N91-29936 #
DE91-015055 ..... 21 p3579 N91-29908 #
DE91-015061 ..... 21 p3491 N91-29372 #
DE91-015093 ..... 20 p3423 N91-28984 #
DE91-015094 ..... 21 p3460 N91-29192 #
DE91-015100 ..... 20 p3371 N91-28675 #
DE91-015104 ..... 21 p3565 N91-29816 #
DE91-015108 ..... 23 p3810 N91-31250 #
DE91-015109 ..... 21 p3491 N91-29375 #
DE91-015111 ..... 23 p3818 N91-31298 #
DE91-015114 ..... 21 p3517 N91-29528 #
DE91-015123 ..... 20 p3353 N91-28571 #
DE91-015129 ..... 21 p3498 N91-29407 #
DE91-015130 ..... 21 p3498 N91-29408 #
DE91-015136 ..... 21 p3578 N91-29899 #
DE91-015137 ..... 21 p3593 N91-29987 #
DE91-015141 ..... 21 p3589 N91-29962 #
DE91-015142 ..... 21 p3513 N91-29506 #
DE91-015144 ..... 21 p3537 N91-29654 #
DE91-015145 ..... 21 p3588 N91-29957 #
DE91-015161 ..... 23 p3886 N91-31688 #
DE91-015171 ..... 21 p3483 N91-29323 #
DE91-015175 ..... 21 p3562 N91-29801 #
DE91-015176 ..... 21 p3573 N91-29869 #
DE91-015177 ..... 21 p3580 N91-29911 #
DE91-015180 ..... 21 p3531 N91-29620 #
DE91-015181 ..... 21 p3525 N91-29578 #
DE91-015183 ..... 21 p3588 N91-29958 #
DE91-015188 ..... 21 p3538 N91-29656 #
DE91-015193 ..... 21 p3593 N91-29988 #
DE91-015194 ..... 21 p3593 N91-29989 #
DE91-015201 ..... 21 p3510 N91-29485 #
DE91-015204 ..... 21 p3593 N91-29990 #
DE91-015207 ..... 21 p3594 N91-29991 #
DE91-015210 ..... 21 p3493 N91-29382 #
DE91-015214 ..... 21 p3573 N91-29870 #
DE91-015218 ..... 21 p3588 N91-29959 #
DE91-015219 ..... 21 p3588 N91-29960 #
DE91-015223 ..... 21 p3517 N91-29529 #
DE91-015239 ..... 21 p3548 N91-29712 #
DE91-015254 ..... 21 p3594 N91-29992 #
DE91-015273 ..... 21 p3594 N91-29993 #
DE91-015296 ..... 21 p3600 N91-30034 #
DE91-015300 ..... 21 p3601 N91-30035 #
DE91-015307 ..... 21 p3589 N91-29963 #
DE91-015308 ..... 21 p3481 N91-29307 #
DE91-015309 ..... 22 p3651 N91-30317 #
DE91-015312 ..... 21 p3491 N91-29373 #
DE91-015318 ..... 23 p3925 N91-31929 #
DE91-015320 ..... 21 p3525 N91-29579 #
DE91-015322 ..... 21 p3483 N91-29324 #
DE91-015323 ..... 21 p3483 N91-29325 #
DE91-015324 ..... 21 p3491 N91-29374 #
DE91-015327 ..... 21 p3509 N91-29481 #
DE91-015329 ..... 21 p3594 N91-29994 #
DE91-015333 ..... 21 p3498 N91-29409 #
DE91-015334 ..... 21 p3594 N91-29995 #
DE91-015337 ..... 23 p3859 N91-31518 #
DE91-015340 ..... 23 p3855 N91-31490 #
DE91-015357 ..... 21 p3525 N91-29582 #
DE91-015359 ..... 21 p3577 N91-29892 #
DE91-015368 ..... 21 p3574 N91-29871 #
DE91-015385 ..... 21 p3525 N91-29580 #
DE91-015393 ..... 21 p3574 N91-29872 #
DE91-015423 ..... 22 p3760 N91-30961 #
DE91-015428 ..... 21 p3577 N91-29893 #
DE91-015429 ..... 21 p3492 N91-29376 #
DE91-015431 ..... 21 p3501 N91-29433 #
DE91-015439 ..... 21 p3605 N91-30058 #
DE91-015441 ..... 21 p3554 N91-29747 #
DE91-015447 ..... 23 p3898 N91-31759 #
DE91-015449 ..... 21 p3606 N91-30066 #
DE91-015451 ..... 23 p3822 N91-31319 #
DE91-015452 ..... 21 p3477 N91-29283 #
DE91-015454 ..... 21 p3578 N91-29900 #
DE91-015461 ..... 21 p3498 N91-29410 #
DE91-015480 ..... 21 p3539 N91-29665 #
DE91-015484 ..... 21 p3574 N91-29873 #
DE91-015485 ..... 21 p3471 N91-29252 #
DE91-015487 ..... 23 p3942 N91-32031 #
DE91-015524 ..... 23 p3805 N91-31223 #
DE91-015527 ..... 21 p3599 N91-30027 #
DE91-015528 ..... 21 p3540 N91-29666 #
DE91-015531 ..... 21 p3492 N91-29377 #
DE91-015533 ..... 21 p3564 N91-29809 #
DE91-015534 ..... 21 p3545 N91-29695 #

DE91-015536 ..... 21 p3540 N91-29667 #
DE91-015544 ..... 21 p3599 N91-30028 #
DE91-015548 ..... 23 p3815 N91-31278 #
DE91-015550 ..... 21 p3477 N91-29284 #
DE91-015552 ..... 21 p3525 N91-29581 #
DE91-015553 ..... 21 p3600 N91-30029 #
DE91-015554 ..... 21 p3545 N91-29696 #
DE91-015557 ..... 21 p3485 N91-29336 #
DE91-015558 ..... 21 p3600 N91-30030 #
DE91-015563 ..... 21 p3604 N91-30057 #
DE91-015564 ..... 21 p3464 N91-29208 #
DE91-015566 ..... 21 p3577 N91-29894 #
DE91-015568 ..... 23 p3931 N91-31967 #
DE91-015570 ..... 23 p3931 N91-31968 #
DE91-015571 ..... 21 p3600 N91-30031 #
DE91-015575 ..... 23 p3810 N91-31251 #
DE91-015586 ..... 21 p3589 N91-29966 #
DE91-015602 ..... 24 p3978 N91-32222 #
DE91-015617 ..... 21 p3579 N91-29909 #
DE91-015625 ..... 23 p3880 N91-31651 #
DE91-015632 ..... 23 p3931 N91-31969 #
DE91-015638 ..... 21 p3564 N91-29810 #
DE91-015639 ..... 21 p3601 N91-30036 #
DE91-015642 ..... 23 p3931 N91-31970 #
DE91-015646 ..... 23 p3888 N91-31699 #
DE91-015648 ..... 21 p3561 N91-29794 #
DE91-015652 ..... 23 p3926 N91-31938 #
DE91-015656 ..... 21 p3589 N91-29964 #
DE91-015671 ..... 21 p3509 N91-29482 #
DE91-015673 ..... 23 p3884 N91-31674 #
DE91-015676 ..... 21 p3525 N91-29583 #
DE91-015677 ..... 24 p4096 N91-32886 #
DE91-015678 ..... 21 p3517 N91-29530 #
DE91-015679 ..... 21 p3510 N91-29486 #
DE91-015680 ..... 23 p3818 N91-31299 #
DE91-015686 ..... 23 p3810 N91-31252 #
DE91-015689 ..... 23 p3899 N91-31763 #
DE91-015695 ..... 23 p3891 N91-31717 #
DE91-015696 ..... 23 p3892 N91-31718 #
DE91-015697 ..... 23 p3896 N91-31748 #
DE91-015698 ..... 21 p3589 N91-29967 #
DE91-015700 ..... 21 p3494 N91-29386 #
DE91-015701 ..... 23 p3925 N91-31930 #
DE91-015707 ..... 23 p3908 N91-31816 #
DE91-015709 ..... 21 p3520 N91-29549 #
DE91-015711 ..... 21 p3502 N91-29434 #
DE91-015714 ..... 21 p3572 N91-29860 #
DE91-015715 ..... 21 p3492 N91-29378 #
DE91-015717 ..... 24 p3981 N91-32238 #
DE91-015719 ..... 23 p3931 N91-31971 #
DE91-015720 ..... 21 p3495 N91-29392 #
DE91-015721 ..... 23 p3859 N91-31519 #
DE91-015722 ..... 21 p3589 N91-29968 #
DE91-015734 ..... 21 p3534 N91-29634 #
DE91-015735 ..... 23 p3884 N91-31675 #
DE91-015737 ..... 21 p3580 N91-29912 #
DE91-015740 ..... 21 p3578 N91-29901 #
DE91-015742 ..... 21 p3547 N91-29708 #
DE91-015743 ..... 23 p3888 N91-31700 #
DE91-015745 ..... 21 p3605 N91-30062 #
DE91-015747 ..... 21 p3534 N91-29633 #
DE91-015749 ..... 21 p3495 N91-29393 #
DE91-015750 ..... 23 p3880 N91-31652 #
DE91-015756 ..... 21 p3562 N91-29797 #
DE91-015757 ..... 23 p3878 N91-31638 #
DE91-015759 ..... 24 p3980 N91-32235 #
DE91-015763 ..... 24 p3989 N91-32286 #
DE91-015765 ..... 21 p3520 N91-29548 #
DE91-015767 ..... 23 p3821 N91-31315 #
DE91-015769 ..... 23 p3896 N91-31749 #
DE91-015770 ..... 23 p3821 N91-31316 #
DE91-015771 ..... 23 p3892 N91-31719 #
DE91-015772 ..... 23 p3867 N91-31572 #
DE91-015774 ..... 23 p3859 N91-31520 #
DE91-015775 ..... 23 p3860 N91-31521 #
DE91-015779 ..... 24 p4073 N91-32756 #
DE91-015781 ..... 21 p3578 N91-29902 #
DE91-015784 ..... 21 p3562 N91-29798 #
DE91-015785 ..... 21 p3494 N91-29387 #
DE91-015786 ..... 21 p3578 N91-29903 #
DE91-015792 ..... 21 p3548 N91-29713 #
DE91-015793 ..... 21 p3502 N91-29435 #
DE91-015794 ..... 21 p3602 N91-30041 #
DE91-015795 ..... 21 p3603 N91-30044 #
DE91-015796 ..... 23 p3926 N91-31939 #
DE91-015812 ..... 24 p3977 N91-32218 #
DE91-015833 ..... 21 p3577 N91-29895 #
DE91-015836 ..... 23 p3892 N91-31720 #
DE91-015837 ..... 23 p3898 N91-31756 #
DE91-015838 ..... 23 p3932 N91-31972 #
DE91-015842 ..... 24 p4042 N91-32585 #
DE91-015846 ..... 23 p3822 N91-31320 #
DE91-015848 ..... 21 p3601 N91-30037 #
DE91-015850 ..... 23 p3807 N91-31237 #
DE91-015901 ..... 23 p3933 N91-31978 #
DE91-015902 ..... 21 p3510 N91-29487 #
DE91-015907 ..... 21 p3589 N91-29965 #
DE91-015908 ..... 21 p3577 N91-29896 #
DE91-015911 ..... 23 p3932 N91-31973 #
DE91-015914 ..... 21 p3517 N91-29531 #
DE91-015915 ..... 23 p3818 N91-31300 #
DE91-015916 ..... 24 p3970 N91-32179 #
DE91-015921 ..... 23 p3862 N91-31532 #
DE91-015922 ..... 23 p3807 N91-31238 #
DE91-015923 ..... 23 p3819 N91-31301 #
DE91-015927 ..... 24 p3989 N91-32285 #
DE91-015929 ..... 24 p4108 N91-32960 #
DE91-015930 ..... 23 p3816 N91-31286 #
DE91-015931 ..... 23 p3820 N91-31308 #
DE91-015941 ..... 21 p3580 N91-29913 #
DE91-015973 ..... 23 p3890 N91-31709 #
DE91-015974 ..... 23 p3889 N91-31701 #
DE91-015976 ..... 23 p3855 N91-31491 #
DE91-015977 ..... 23 p3803 N91-31210 #
DE91-015988 ..... 23 p3892 N91-31721 #
DE91-016010 ..... 24 p4099 N91-32904 #
DE91-016014 ..... 23 p3890 N91-31710 #
DE91-016015 ..... 23 p3811 N91-31259 #
DE91-016016 ..... 23 p3918 N91-31886 #
DE91-016017 ..... 24 p4022 N91-32479 #
DE91-016018 ..... 24 p4108 N91-32961 #
DE91-016020 ..... 23 p3890 N91-31711 #
DE91-016022 ..... 23 p3929 N91-31955 #
DE91-016025 ..... 23 p3929 N91-31958 #
DE91-016027 ..... 24 p4040 N91-32573 #
DE91-016028 ..... 24 p4016 N91-32452 #
DE91-016032 ..... 23 p3927 N91-31945 #
DE91-016033 ..... 23 p3926 N91-31940 #
DE91-016036 ..... 23 p3803 N91-31211 #
DE91-016042 ..... 24 p4124 N91-33049 #
DE91-016043 ..... 23 p3816 N91-31287 #
DE91-016048 ..... 24 p4096 N91-32883 #
DE91-016055 ..... 23 p3889 N91-31702 #
DE91-016056 ..... 23 p3868 N91-31573 #
DE91-016059 ..... 21 p3492 N91-29379 #
DE91-016061 ..... 23 p3906 N91-31802 #
DE91-016062 ..... 23 p3889 N91-31703 #
DE91-016063 ..... 23 p3868 N91-31574 #
DE91-016070 ..... 24 p4097 N91-32892 #
DE91-016071 ..... 23 p3878 N91-31639 #
DE91-016072 ..... 24 p4105 N91-32938 #
DE91-016075 ..... 24 p4099 N91-32905 #
DE91-016079 ..... 23 p3879 N91-31640 #
DE91-016081 ..... 23 p3873 N91-31602 #
DE91-016084 ..... 23 p3874 N91-31610 #
DE91-016085 ..... 23 p3933 N91-31979 #
DE91-016086 ..... 23 p3925 N91-31932 #
DE91-016091 ..... 23 p3925 N91-31933 #
DE91-016093 ..... 24 p4102 N91-32921 #
DE91-016095 ..... 23 p3925 N91-31934 #
DE91-016096 ..... 23 p3810 N91-31253 #
DE91-016102 ..... 23 p3889 N91-31704 #
DE91-016111 ..... 23 p3936 N91-31998 #
DE91-016113 ..... 24 p4091 N91-32858 #
DE91-016117 ..... 24 p4115 N91-33002 #
DE91-016118 ..... 24 p4109 N91-32962 #
DE91-016119 ..... 23 p3819 N91-31302 #
DE91-016121 ..... 23 p3819 N91-31303 #
DE91-016160 ..... 24 p4109 N91-32963 #
DE91-016161 ..... 24 p4109 N91-32964 #
DE91-016188 ..... 24 p3952 N91-32089 #
DE91-016189 ..... 24 p4006 N91-32399 #
DE91-016190 ..... 24 p3989 N91-32289 #
DE91-016192 ..... 24 p4111 N91-32977 #
DE91-016196 ..... 24 p4007 N91-32407 #
DE91-016198 ..... 24 p4006 N91-32397 #
DE91-016199 ..... 24 p3976 N91-32208 #
DE91-016201 ..... 24 p4108 N91-32959 #
DE91-016208 ..... 23 p3926 N91-31941 #
DE91-016221 ..... 23 p3925 N91-31931 #
DE91-016224 ..... 24 p3976 N91-32209 #
DE91-016225 ..... 24 p4099 N91-32903 #
DE91-016236 ..... 24 p4022 N91-32478 #
DE91-016239 ..... 24 p4095 N91-32878 #
DE91-016240 ..... 24 p4092 N91-32863 #
DE91-016241 ..... 23 p3908 N91-31817 #
DE91-016246 ..... 24 p4042 N91-32586 #
DE91-016248 ..... 23 p3810 N91-31254 #
DE91-016250 ..... 24 p4095 N91-32879 #
DE91-016252 ..... 23 p3928 N91-31948 #
DE91-016254 ..... 24 p3976 N91-32210 #
DE91-016255 ..... 24 p4072 N91-32749 #
DE91-016257 ..... 24 p4095 N91-32880 #
DE91-016258 ..... 23 p3932 N91-31974 #
DE91-016260 ..... 23 p3939 N91-32016 #
DE91-016263 ..... 23 p3815 N91-31279 #
DE91-016266 ..... 24 p4100 N91-32909 #
DE91-016267 ..... 21 p3601 N91-30038 #
DE91-016276 ..... 23 p3916 N91-31870 #
DE91-016278 ..... 24 p4095 N91-32881 #
DE91-016290 ..... 24 p4104 N91-32935 #
DE91-016292 ..... 24 p3975 N91-32205 #

DE91-016300 ..... 23 p3909 N91-31818 #
DE91-016303 ..... 24 p4041 N91-32582 #
DE91-016305 ..... 24 p4023 N91-32484 #
DE91-016308 ..... 23 p3887 N91-31694 #
DE91-016309 ..... 24 p4095 N91-32882 #
DE91-016310 ..... 24 p3972 N91-32189 #
DE91-016315 ..... 24 p4104 N91-32936 #
DE91-016321 ..... 24 p4105 N91-32937 #
DE91-016323 ..... 24 p4022 N91-32480 #
DE91-016343 ..... 23 p3815 N91-31280 #
DE91-016344 ..... 24 p3975 N91-32206 #
DE91-016345 ..... 24 p3975 N91-32207 #
DE91-016399 ..... 24 p4106 N91-32943 #
DE91-016401 ..... 23 p3856 N91-31500 #
DE91-016402 ..... 24 p4006 N91-32400 #
DE91-016403 ..... 24 p3977 N91-32219 #
DE91-016404 ..... 23 p3914 N91-31854 #
DE91-016405 ..... 23 p3934 N91-31988 #
DE91-016407 ..... 23 p3886 N91-31689 #
DE91-016408 ..... 23 p3933 N91-31980 #
DE91-016409 ..... 23 p3868 N91-31575 #
DE91-016413 ..... 24 p3978 N91-32225* #
DE91-016416 ..... 23 p3939 N91-32018 #
DE91-016418 ..... 23 p3938 N91-32010 #
DE91-016420 ..... 23 p3816 N91-31288 #
DE91-016422 ..... 23 p3852 N91-31473 #
DE91-016427 ..... 23 p3932 N91-31975 #
DE91-016429 ..... 24 p4101 N91-32915 #
DE91-016430 ..... 24 p4113 N91-32992 #
DE91-016432 ..... 24 p4093 N91-32866 #
DE91-016451 ..... 23 p3890 N91-31712 #
DE91-016453 ..... 23 p3810 N91-31255 #
DE91-016454 ..... 24 p4026 N91-32500 #
DE91-016469 ..... 24 p4121 N91-33032 #
DE91-016475 ..... 23 p3811 N91-31256 #
DE91-016477 ..... 23 p3881 N91-31657 #
DE91-016478 ..... 23 p3909 N91-31819 #
DE91-016479 ..... 23 p3811 N91-31257 #
DE91-016480 ..... 23 p3880 N91-31653 #
DE91-016481 ..... 24 p3979 N91-32226 #
DE91-016486 ..... 23 p3815 N91-31281 #
DE91-016487 ..... 24 p4096 N91-32887 #
DE91-016488 ..... 23 p3899 N91-31764 #
DE91-016499 ..... 24 p4040 N91-32574 #
DE91-016500 ..... 23 p3860 N91-31522 #
DE91-016501 ..... 23 p3860 N91-31523 #
DE91-016502 ..... 23 p3881 N91-31658 #
DE91-016511 ..... 24 p3974 N91-32197 #
DE91-016514 ..... 24 p4096 N91-32888 #
DE91-016515 ..... 24 p4087 N91-32833 #
DE91-016520 ..... 24 p4027 N91-32506 #
DE91-016521 ..... 24 p4109 N91-32965 #
DE91-016523 ..... 24 p4109 N91-32966 #
DE91-016524 ..... 24 p4110 N91-32967 #
DE91-016525 ..... 24 p4110 N91-32968 #
DE91-016526 ..... 23 p3932 N91-31976 #
DE91-016527 ..... 23 p3925 N91-31935 #
DE91-016528 ..... 24 p4110 N91-32969 #
DE91-016530 ..... 23 p3811 N91-31260 #
DE91-016553 ..... 24 p4006 N91-32401 #
DE91-016555 ..... 24 p4023 N91-32481 #
DE91-016558 ..... 24 p4008 N91-32413 #
DE91-016559 ..... 24 p4006 N91-32402 #
DE91-016560 ..... 24 p4023 N91-32482 #
DE91-016561 ..... 24 p4122 N91-33038 #
DE91-016562 ..... 24 p4026 N91-32501 #
DE91-016567 ..... 24 p4027 N91-32502 #
DE91-016568 ..... 24 p4027 N91-32503 #
DE91-016569 ..... 24 p4021 N91-32473 #
DE91-016570 ..... 24 p4101 N91-32916 #
DE91-016571 ..... 24 p4101 N91-32917 #
DE91-016586 ..... 24 p3973 N91-32192 #
DE91-016596 ..... 24 p3973 N91-32193 #
DE91-016600 ..... 23 p3816 N91-31289 #
DE91-016602 ..... 23 p3811 N91-31261 #
DE91-016604 ..... 24 p3979 N91-32227 #
DE91-016605 ..... 24 p4102 N91-32918 #
DE91-016608 ..... 24 p4124 N91-33051 #
DE91-016609 ..... 24 p4110 N91-32970 #
DE91-016612 ..... 23 p3927 N91-31942 #
DE91-016641 ..... 24 p4007 N91-32403 #
DE91-016646 ..... 24 p3973 N91-32194 #
DE91-016647 ..... 24 p4106 N91-32944 #
DE91-016648 ..... 23 p3820 N91-31309 #
DE91-016649 ..... 24 p4016 N91-32453 #
DE91-016707 ..... 24 p3964 N91-32150 #
DE91-016708 ..... 24 p3966 N91-32157 #
DE91-016734 ..... 24 p4113 N91-32990 #
DE91-016740 ..... 23 p3812 N91-31262 #
DE91-016745 ..... 23 p3926 N91-31936 #
DE91-016747 ..... 23 p3926 N91-31937 #
DE91-016748 ..... 23 p3807 N91-31239 #
DE91-016751 ..... 23 p3879 N91-31641 #
DE91-016759 ..... 24 p3976 N91-32214 #
DE91-016760 ..... 24 p4110 N91-32971 #
DE91-016767 ..... 24 p3979 N91-32228 #
DE91-016768 ..... 24 p4096 N91-32884 #
DE91-016771 ..... 24 p4088 N91-32842 #
DE91-016773 ..... 24 p4087 N91-32834 #
DE91-016774 ..... 24 p4113 N91-32991 #
DE91-016778 ..... 23 p3808 N91-31240 #
DE91-016813 ..... 23 p3887 N91-31690 #
DE91-016814 ..... 24 p4073 N91-32757 #
DE91-016815 ..... 23 p3852 N91-31477 #
DE91-016819 ..... 23 p3799 N91-31190 #
DE91-016825 ..... 24 p4070 N91-32741 #
DE91-016829 ..... 24 p4105 N91-32939 #
DE91-016842 ..... 24 p4072 N91-32751 #
DE91-016843 ..... 23 p3892 N91-31722 #
DE91-016863 ..... 23 p3862 N91-31533 #
DE91-016866 ..... 23 p3890 N91-31713 #
DE91-016868 ..... 23 p3891 N91-31714 #
DE91-016870 ..... 23 p3891 N91-31715 #
DE91-016873 ..... 24 p4040 N91-32572 #
DE91-016877 ..... 24 p4016 N91-32454 #
DE91-016893 ..... 24 p4111 N91-32978 #
DE91-016894 ..... 24 p4097 N91-32893 #
DE91-016895 ..... 24 p4110 N91-32972 #
DE91-016898 ..... 24 p3967 N91-32160 #
DE91-016903 ..... 24 p4070 N91-32742 #
DE91-016907 ..... 24 p4097 N91-32894 #
DE91-016910 ..... 24 p4096 N91-32889 #
DE91-016928 ..... 23 p3879 N91-31642 #
DE91-016934 ..... 23 p3914 N91-31855 #
DE91-016937 ..... 24 p4098 N91-32895 #
DE91-016948 ..... 23 p3812 N91-31263 #
DE91-016949 ..... 23 p3816 N91-31290 #
DE91-016950 ..... 24 p4023 N91-32485 #
DE91-016951 ..... 24 p4097 N91-32890 #
DE91-016964 ..... 24 p3974 N91-32198 #
DE91-016980 ..... 24 p3973 N91-32195 #
DE91-016982 ..... 24 p4087 N91-32835 #
DE91-016988 ..... 24 p4007 N91-32404 #
DE91-016995 ..... 23 p3933 N91-31981 #
DE91-017007 ..... 24 p3976 N91-32211 #
DE91-017008 ..... 23 p3933 N91-31982 #
DE91-017009 ..... 23 p3874 N91-31611 #
DE91-017011 ..... 24 p4016 N91-32455 #
DE91-017066 ..... 23 p3805 N91-31221 #
DE91-017071 ..... 24 p4122 N91-33039 #
DE91-017072 ..... 24 p4027 N91-32504 #
DE91-017074 ..... 24 p4105 N91-32940 #
DE91-017077 ..... 24 p4023 N91-32486 #
DE91-017082 ..... 24 p4111 N91-32979 #
DE91-017083 ..... 24 p3964 N91-32151 #
DE91-017085 ..... 24 p4023 N91-32483 #
DE91-017087 ..... 24 p4096 N91-32885 #
DE91-017088 ..... 24 p4024 N91-32487 #
DE91-017093 ..... 24 p4102 N91-32919 #
DE91-017094 ..... 24 p4110 N91-32973 #
DE91-017128 ..... 24 p4099 N91-32906 #
DE91-017130 ..... 24 p4100 N91-32910 #
DE91-017131 ..... 24 p4016 N91-32456 #
DE91-017132 ..... 24 p4124 N91-33053 #
DE91-017151 ..... 24 p3981 N91-32239 #
DE91-017152 ..... 24 p4093 N91-32867 #
DE91-017156 ..... 24 p4100 N91-32907 #
DE91-017220 ..... 24 p4009 N91-32414 #
DE91-017228 ..... 24 p3978 N91-32220 #
DE91-017241 ..... 24 p4092 N91-32860 #
DE91-017245 ..... 24 p4077 N91-32774 #
DE91-017287 ..... 24 p3968 N91-32168 #
DE91-017301 ..... 24 p4072 N91-32752 #
DE91-017305 ..... 24 p4111 N91-32974 #
DE91-017306 ..... 24 p4027 N91-32505 #
DE91-017320 ..... 24 p4112 N91-32981 #
DE91-017322 ..... 24 p4112 N91-32982 #
DE91-017324 ..... 24 p4111 N91-32975 #
DE91-017359 ..... 24 p4090 N91-32849 #
DE91-017379 ..... 24 p4122 N91-33040 #
DE91-017385 ..... 24 p4018 N91-32464 #
DE91-017386 ..... 24 p4106 N91-32945 #
DE91-017388 ..... 24 p4106 N91-32946 #
DE91-017396 ..... 24 p4112 N91-32983 #
DE91-017399 ..... 24 p4021 N91-32475 #
DE91-017400 ..... 24 p4007 N91-32405 #
DE91-017401 ..... 24 p4018 N91-32465 #
DE91-017402 ..... 24 p4112 N91-32984 #
DE91-017403 ..... 24 p4042 N91-32587 #
DE91-017404 ..... 24 p4107 N91-32948 #
DE91-017412 ..... 24 p4105 N91-32941 #
DE91-017413 ..... 24 p4098 N91-32896 #
DE91-017415 ..... 24 p4018 N91-32466 #
DE91-017418 ..... 24 p3976 N91-32212 #
DE91-017425 ..... 24 p4007 N91-32408 #
DE91-017428 ..... 24 p4035 N91-32544 #
DE91-017431 ..... 24 p4111 N91-32980 #
DE91-017432 ..... 24 p4008 N91-32409 #
DE91-017445 ..... 24 p4071 N91-32743 #
DE91-017449 ..... 24 p4105 N91-32942 #
DE91-017450 ..... 24 p4100 N91-32908 #
DE91-017451 ..... 24 p4007 N91-32406 #

DE91-017455 ..... 24 p4024 N91-32490 #
DE91-017458 ..... 24 p4111 N91-32976 #
DE91-017459 ..... 24 p3974 N91-32199 #
DE91-017464 ..... 24 p4100 N91-32911 #
DE91-017472 ..... 24 p4102 N91-32920 #
DE91-017480 ..... 24 p4103 N91-32927 #
DE91-017484 ..... 24 p4072 N91-32750 #
DE91-017516 ..... 24 p4075 N91-32770 #
DE91-017533 ..... 24 p3968 N91-32169 #
DE91-017534 ..... 24 p4040 N91-32576 #
DE91-017535 ..... 24 p4041 N91-32577 #
DE91-017544 ..... 24 p4009 N91-32415 #
DE91-017545 ..... 24 p4073 N91-32758 #
DE91-017550 ..... 24 p4009 N91-32416 #
DE91-017556 ..... 24 p3972 N91-32186 #
DE91-017559 ..... 24 p4097 N91-32891 #
DE91-017595 ..... 24 p4093 N91-32868 #
DE91-017600 ..... 24 p4093 N91-32869 #
DE91-017649 ..... 24 p4098 N91-32897 #
DE91-017651 ..... 24 p4042 N91-32588 #
DE91-017654 ..... 24 p4043 N91-32589 #
DE91-017655 ..... 24 p4009 N91-32417 #
DE91-017656 ..... 24 p4098 N91-32898 #
DE91-017657 ..... 24 p4017 N91-32457 #
DE91-017661 ..... 24 p4019 N91-32467 #
DE91-017665 ..... 24 p4112 N91-32985 #
DE91-017687 ..... 24 p4098 N91-32899 #
DE91-017710 ..... 24 p4041 N91-32578 #
DE91-017715 ..... 24 p3980 N91-32232 #
DE91-017717 ..... 24 p4088 N91-32843 #
DE91-017730 ..... 24 p4122 N91-33041 #
DE91-017765 ..... 24 p4107 N91-32949 #
DE91-017820 ..... 24 p4024 N91-32491 #
DE91-017822 ..... 24 p4098 N91-32900 #
DE91-017824 ..... 24 p4025 N91-32492 #
DE91-017828 ..... 24 p4101 N91-32912 #
DE91-017829 ..... 24 p4099 N91-32901 #
DE91-017838 ..... 24 p4022 N91-32476 #
DE91-017846 ..... 24 p3980 N91-32233 #
DE91-017848 ..... 24 p4029 N91-32513 #
DE91-017866 ..... 24 p4009 N91-32418 #
DE91-017868 ..... 24 p4099 N91-32902 #
DE91-017870 ..... 24 p4093 N91-32870 #
DE91-017872 ..... 24 p4107 N91-32950 #
DE91-017920 ..... 24 p4107 N91-32951 #
DE91-017938 ..... 24 p4107 N91-32952 #
DE91-017947 ..... 24 p4009 N91-32419 #
DE91-017963 ..... 24 p4112 N91-32986 #
DE91-017967 ..... 24 p4090 N91-32854 #
DE91-017968 ..... 24 p4103 N91-32928 #
DE91-017976 ..... 24 p4113 N91-32987 #
DE91-017977 ..... 24 p4113 N91-32988 #
DE91-017991 ..... 24 p4071 N91-32744 #
DE91-017997 ..... 24 p4113 N91-32989 #
DE91-018035 ..... 24 p4091 N91-32855 #
DE91-018036 ..... 24 p4091 N91-32856 #
DE91-018039 ..... 24 p4107 N91-32953 #
DE91-018045 ..... 24 p4043 N91-32590 #
DE91-018048 ..... 24 p4025 N91-32493 #
DE91-018182 ..... 24 p3976 N91-32213 #
DE91-527088 ..... 24 p4024 N91-32488 #
DE91-614980 ..... 11 p1778 N91-19752 #
DE91-615076 ..... 11 p1784 N91-19788 #
DE91-615182 ..... 11 p1810 N91-19943 #
DE91-615465 ..... 11 p1823 N91-20016 #
DE91-615469 ..... 11 p1738 N91-19559 #
DE91-615472 ..... 11 p1818 N91-19987 #
DE91-615479 ..... 11 p1823 N91-20020 #
DE91-615480 ..... 11 p1823 N91-20021 #
DE91-615506 ..... 11 p1810 N91-19944 #
DE91-615507 ..... 11 p1810 N91-19945 #
DE91-615673 ..... 12 p1985 N91-20924 #
DE91-615704 ..... 12 p1922 N91-20573 #
DE91-615879 ..... 13 p2128 N91-21715 #
DE91-616827 ..... 13 p2183 N91-22062 #
DE91-616920 ..... 12 p1889 N91-20389 #
DE91-617571 ..... 20 p3394 N91-28813 #
DE91-617572 ..... 21 p3564 N91-29813 #
DE91-617574 ..... 20 p3393 N91-28801 #
DE91-617575 ..... 20 p3393 N91-28802 #
DE91-617576 ..... 16 p2626 N91-24540 #
DE91-617583 ..... 21 p3571 N91-29855 #
DE91-617584 ..... 16 p2683 N91-24858 #
DE91-617585 ..... 16 p2696 N91-24931 #
DE91-617609 ..... 20 p3393 N91-28803 #
DE91-617610 ..... 20 p3435 N91-29056 #
DE91-617611 ..... 20 p3435 N91-29057 #
DE91-617612 ..... 22 p3743 N91-30858 #
DE91-617613 ..... 16 p2693 N91-24907 #
DE91-617732 ..... 16 p2684 N91-24859 #
DE91-617733 ..... 16 p2684 N91-24860 #
DE91-617734 ..... 16 p2684 N91-24861 #
DE91-617768 ..... 16 p2684 N91-24862 #
DE91-617788 ..... 21 p3591 N91-29976 #
DE91-617789 ..... 20 p3428 N91-29017 #
DE91-617790 ..... 20 p3393 N91-28804 #
DE91-617792 ..... 16 p2691 N91-24897 #
DE91-617799 ..... 20 p3429 N91-29018 #
DE91-617800 ..... 16 p2696 N91-24926 #
DE91-617803 ..... 16 p2696 N91-24927 #
DE91-617804 ..... 16 p2696 N91-24932 #
DE91-618098 ..... 20 p3429 N91-29019 #
DE91-618099 ..... 21 p3591 N91-29977 #
DE91-618100 ..... 16 p2696 N91-24928 #
DE91-618203 ..... 16 p2684 N91-24863 #
DE91-618305 ..... 16 p2684 N91-24864 #
DE91-618515 ..... 16 p2607 N91-24448 #
DE91-618657 ..... 23 p3883 N91-31666 #
DE91-618658 ..... 16 p2633 N91-24575 #
DE91-618664 ..... 16 p2602 N91-24421 #
DE91-618676 ..... 16 p2607 N91-24449 #
DE91-618684 ..... 20 p3326 N91-28416 #
DE91-618773 ..... 20 p3375 N91-28698 #
DE91-619238 ..... 16 p2630 N91-24564 #
DE91-619397 ..... 16 p2696 N91-24929 #
DE91-619433 ..... 16 p2621 N91-24517 #
DE91-619576 ..... 13 p2164 N91-21935 #
DE91-619585 ..... 13 p2143 N91-21798 #
DE91-619625 ..... 13 p2164 N91-21936 #
DE91-619626 ..... 13 p2164 N91-21937 #
DE91-619627 ..... 13 p2146 N91-21822 #
DE91-619752 ..... 13 p2160 N91-21908 #
DE91-619859 ..... 13 p2160 N91-21909 #
DE91-619982 ..... 13 p2157 N91-21890 #
DE91-620399 ..... 13 p2150 N91-21845 #
DE91-621717 ..... 13 p2150 N91-21846 #
DE91-622927 ..... 17 p2837 N91-25681 #
DE91-623308 ..... 17 p2847 N91-25740 #
DE91-701405 ..... 02 p0231 N91-11292 #
DE91-701463 ..... 02 p0231 N91-11293 #
DE91-701465 ..... 02 p0194 N91-11087 #
DE91-701466 ..... 02 p0202 N91-11129 #
DE91-701468 ..... 02 p0202 N91-11130 #
DE91-701469 ..... 02 p0285 N91-11602 #
DE91-715185 ..... 05 p0645 N91-13579 #
DE91-727359 ..... 07 p1029 N91-15646 #
DE91-727527 ..... 06 p0806 N91-14451 #
DE91-727566 ..... 07 p1026 N91-15634 #
DE91-727567 ..... 06 p0842 N91-14654 #
DE91-736730 ..... 09 p1355 N91-17442 #
DE91-736731 ..... 10 p1539 N91-18469 #
DE91-736736 ..... 09 p1328 N91-17295 #
DE91-736737 ..... 09 p1328 N91-17296 #
DE91-736741 ..... 10 p1542 N91-18488 #
DE91-736742 ..... 09 p1360 N91-17477 #
DE91-736748 ..... 10 p1516 N91-18349 #
DE91-736780 ..... 09 p1412 N91-17770 #
DE91-736781 ..... 09 p1341 N91-17367 #
DE91-736783 ..... 09 p1341 N91-17368 #
DE91-736784 ..... 09 p1342 N91-17369 #
DE91-736785 ..... 09 p1328 N91-17297 #
DE91-736787 ..... 10 p1558 N91-18566 #
DE91-736789 ..... 10 p1517 N91-18350 #
DE91-742131 ..... 10 p1520 N91-18368 #
DE91-742132 ..... 10 p1520 N91-18369 #
DE91-742133 ..... 11 p1739 N91-19561 #
DE91-742134 ..... 10 p1520 N91-18370 #
DE91-742145 ..... 10 p1536 N91-18454 #
DE91-742146 ..... 10 p1513 N91-18331 #
DE91-742150 ..... 10 p1609 N91-18880 #
DE91-744817 ..... 12 p1869 N91-20267 #
DE91-744823 ..... 11 p1805 N91-19911 #
DE91-744830 ..... 12 p1954 N91-20749 #
DE91-744831 ..... 11 p1805 N91-19912 #
DE91-744833 ..... 11 p1805 N91-19913 #
DE91-744834 ..... 12 p1872 N91-20285 #
DE91-744958 ..... 11 p1685 N91-19284 #
DE91-744965 ..... 11 p1805 N91-19914 #
DE91-744969 ..... 11 p1818 N91-19988 #
DE91-744971 ..... 11 p1819 N91-19989 #
DE91-744972 ..... 11 p1819 N91-19990 #
DE91-744973 ..... 11 p1819 N91-19991 #
DE91-744976 ..... 11 p1819 N91-19992 #
DE91-745035 ..... 11 p1796 N91-19852 #
DE91-746267 ..... 11 p1691 N91-19316 #
DE91-750102 ..... 01 p0032 N91-10190 #
DE91-750103 ..... 12 p1846 N91-20144 #
DE91-750104 ..... 11 p1652 N91-19105 #
DE91-750115 ..... 11 p1644 N91-19066 #
DE91-752966 ..... 13 p2111 N91-21622 #
DE91-752988 ..... 18 p3005 N91-26593 #
DE91-752990 ..... 13 p2097 N91-21546 #
DE91-752995 ..... 13 p2170 N91-21976 #
DE91-752996 ..... 13 p2127 N91-21705 #
DE91-759126 ..... 13 p2153 N91-21866 #
DE91-764223 ..... 15 p2381 N91-23182 #
DE91-764238 ..... 15 p2438 N91-23506 #
DE91-764239 ..... 16 p2619 N91-24498 #
DE91-764240 ..... 15 p2417 N91-23385 #
DE91-771948 ..... 17 p2805 N91-25506 #
DE91-771954 ..... 19 p3214 N91-27767 #
DE91-772107 ..... 17 p2785 N91-25414 #

DE91-772178 ..... 17 p2874 N91-25898 #
DE91-772179 ..... 17 p2861 N91-25825 #
DE91-772207 ..... 17 p2919 N91-26110 #
DE91-772218 ..... 17 p2870 N91-25874 #
DE91-772227 ..... 17 p2809 N91-25527 #
DE91-778700 ..... 22 p3702 N91-30606 #
DE91-778707 ..... 19 p3186 N91-27619 #
DE91-778709 ..... 19 p3186 N91-27620 #
DE91-778784 ..... 19 p3144 N91-27374 #

DFVLR-FB-88-14 ..... 02 p0248 N91-11381 #
DFVLR-FB-88-30 ..... 02 p0214 N91-11198 #
DFVLR-FB-88-34 ..... 02 p0263 N91-11473 #
DFVLR-FB-88-49 ..... 02 p0166 N91-10965 #
DFVLR-FB-88-55 ..... 02 p0214 N91-11199 #

DFVLR-MITT-88-30 ..... 03 p0311 N91-11742 #
DFVLR-MITT-88-34 ..... 03 p0413 N91-12311 #
DFVLR-MITT-89-06 ..... 03 p0369 N91-12069 #

DGLR-BERICHT-89-02 ..... 03 p0306 N91-11707 #

DHHS/PUB/NIOSH-90-113 ..... 17 p2821 N91-25588 #

DHHS/PUB/PHS-90-1213 ..... 09 p1327 N91-17288 #

DIA-DST-2700Z-002-90 ..... 09 p1340 N91-17359 #

DIGEL-1990-3 ..... 08 p1151 N91-16337 #
DIGEL-1990-4 ..... 08 p1136 N91-16249 #
DIGEL-1990-5 ..... 13 p2075 N91-21431 #
DIGEL-1990-6 ..... 13 p2152 N91-21863 #

DIOR/P02-90 ..... 19 p3259 N91-28023 #

DLA-91-P00177 ..... 18 p2979 N91-26451 #
DLA-91-P90053 ..... 12 p1995 N91-20982 #
DLA-91-P90272 ..... 18 p2996 N91-26545 #

DLR-FB-88-13 ..... 15 p2501 N91-23854 #
DLR-FB-89-12 ..... 15 p2427 N91-23442 #
DLR-FB-89-26 ..... 12 p1898 N91-20440 #
DLR-FB-89-33 ..... 15 p2447 N91-23553 #
DLR-FB-89-34 ..... 12 p1898 N91-20441 #
DLR-FB-89-35 ..... 15 p2398 N91-23278 #
DLR-FB-89-39 ..... 13 p2048 N91-21268 #
DLR-FB-89-43 ..... 13 p2146 N91-21823 #
DLR-FB-89-45 ..... 13 p2126 N91-21699 #
DLR-FB-89-46 ..... 22 p3664 N91-30396 #
DLR-FB-89-47 ..... 03 p0357 N91-11995 #
DLR-FB-89-48 ..... 03 p0357 N91-11994 #
DLR-FB-89-50 ..... 13 p2088 N91-21490 #
DLR-FB-89-51 ..... 15 p2390 N91-23230 #
DLR-FB-89-55 ..... 22 p3698 N91-30590 #
DLR-FB-89-63 ..... 13 p2071 N91-21405 #
DLR-FB-90-01 ..... 13 p2101 N91-21566 #
DLR-FB-90-07 ..... 22 p3698 N91-30591 #
DLR-FB-90-09 ..... 03 p0367 N91-12057 #
DLR-FB-90-11 ..... 01 p0065 N91-10390 #
DLR-FB-90-11 ..... 22 p3700 N91-30599 #
DLR-FB-90-13 ..... 01 p0005 N91-10026 #
DLR-FB-90-13 ..... 22 p3614 N91-30104 #
DLR-FB-90-15 ..... 01 p0005 N91-10027 #
DLR-FB-90-15 ..... 22 p3614 N91-30105 #
DLR-FB-90-16 ..... 03 p0385 N91-12149 #
DLR-FB-90-18 ..... 03 p0367 N91-12058 #
DLR-FB-90-19 ..... 03 p0349 N91-11951 #
DLR-FB-90-20 ..... 13 p2164 N91-21938 #
DLR-FB-90-21 ..... 03 p0342 N91-11917 #
DLR-FB-90-22 ..... 03 p0369 N91-12070 #
DLR-FB-90-23 ..... 03 p0342 N91-11918 #
DLR-FB-90-24-VOL-1 ..... 03 p0368 N91-12059 #
DLR-FB-90-25 ..... 05 p0688 N91-13827 #
DLR-FB-90-26 ..... 08 p1093 N91-15998 #
DLR-FB-90-27 ..... 08 p1268 N91-16979 #
DLR-FB-90-28 ..... 05 p0616 N91-13415 #
DLR-FB-90-29 ..... 10 p1498 N91-18244 #
DLR-FB-90-30 ..... 15 p2468 N91-23676 #
DLR-FB-90-31 ..... 13 p2107 N91-21601 #
DLR-FB-90-32 ..... 08 p1130 N91-16216 #
DLR-FB-90-33 ..... 08 p1156 N91-16367 #
DLR-FB-90-34 ..... 13 p2022 N91-21123 #
DLR-FB-90-35 ..... 15 p2383 N91-23191 #
DLR-FB-90-36 ..... 15 p2470 N91-23687 #
DLR-FB-90-37 ..... 13 p2081 N91-21466 #
DLR-FB-90-38 ..... 15 p2469 N91-23677 #
DLR-FB-90-39 ..... 13 p2033 N91-21181 #
DLR-FB-90-40 ..... 13 p2023 N91-21130 #
DLR-FB-90-41 ..... 13 p2019 N91-21108 #
DLR-FB-90-42 ..... 13 p2028 N91-21152 #
DLR-FB-90-43 ..... 15 p2426 N91-23435 #
DLR-FB-90-44 ..... 15 p2456 N91-23612 #
DLR-FB-90-45 ..... 22 p3678 N91-30478 #
DLR-FB-90-46 ..... 15 p2365 N91-23088 #
DLR-FB-90-47 ..... 24 p4035 N91-32542 #
DLR-FB-90-48 ..... 15 p2402 N91-23301 #
DLR-FB-90-49 ..... 15 p2374 N91-23137 #
DLR-FB-90-50 ..... 15 p2412 N91-23355 #
DLR-FB-90-51 ..... 15 p2480 N91-23725 #
DLR-FB-90-52 ..... 15 p2412 N91-23356 #
DLR-FB-90-53 ..... 15 p2412 N91-23357 #
DLR-FB-90-54 ..... 15 p2456 N91-23613 #
DLR-FB-90-55 ..... 24 p4035 N91-32543 #
DLR-FB-90-56 ..... 15 p2456 N91-23614 #
DLR-FB-90-57 ..... 24 p4020 N91-32468 #
DLR-FB-90-58 ..... 22 p3663 N91-30394 #
DLR-FB-90-59 ..... 15 p2483 N91-23746 #
DLR-FB-91-01 ..... 22 p3628 N91-30189 #
DLR-FB-91-02 ..... 24 p3962 N91-32139 #
DLR-FB-91-03 ..... 24 p3960 N91-32131 #
DLR-FB-91-04 ..... 22 p3619 N91-30133 #
DLR-FB-91-08 ..... 24 p3983 N91-32249 #
DLR-FB-91-10 ..... 22 p3663 N91-30395 #
DLR-FB-91-11 ..... 24 p3954 N91-32090 #
DLR-FB-91-12 ..... 24 p4014 N91-32439 #
DLR-FB-91-14 ..... 24 p4072 N91-32748 #
DLR-FB-91-15 ..... 24 p3949 N91-32076 #

DLR-MITT-88-31 ..... 22 p3699 N91-30598 #
DLR-MITT-89-19 ..... 03 p0360 N91-12015 #
DLR-MITT-89-20 ..... 03 p0301 N91-11680 #
DLR-MITT-90-01 ..... 22 p3680 N91-30493 #
DLR-MITT-90-05 ..... 08 p1089 N91-15977 #
DLR-MITT-90-06 ..... 22 p3745 N91-30869 #
DLR-MITT-90-09 ..... 04 p0540 N91-12992 #
DLR-MITT-90-10 ..... 03 p0371 N91-12080 #
DLR-MITT-90-11 ..... 03 p0425 N91-12381 #
DLR-MITT-90-12 ..... 07 p0990 N91-15434 #
DLR-MITT-90-13 ..... 14 p2288 N91-22652 #
DLR-MITT-90-14 ..... 13 p2046 N91-21254 #
DLR-MITT-90-15 ..... 15 p2393 N91-23246 #
DLR-MITT-90-17 ..... 22 p3751 N91-30910 #
DLR-MITT-90-18 ..... 23 p3798 N91-31185 #
DLR-MITT-91-01 ..... 22 p3617 N91-30120 #
DLR-MITT-91-02 ..... 24 p3966 N91-32159 #
DLR-MITT-91-03 ..... 24 p3962 N91-32142 #
DLR-MITT-91-04 ..... 24 p4039 N91-32568 #
DLR-MITT-91-05 ..... 24 p4041 N91-32581 #
DLR-MITT-91-06 ..... 24 p4115 N91-33001 #

DM-52 ..... 10 p1556 N91-18558* #
DM-53 ..... 10 p1556 N91-18559 #
DM-54 ..... 15 p2524 N91-23991 #
DM-55 ..... 15 p2469 N91-23679 #
DM-56 ..... 15 p2469 N91-23680 #
DM-57 ..... 23 p3896 N91-31747 #

DMI-TR-91-3 ..... 17 p2811 N91-25537 #

DMLB87-0016 ..... 06 p0830 N91-14586* #

DNA-TR-89-242 ..... 09 p1410 N91-17760 #
DNA-TR-89-273 ..... 19 p3157 N91-27454 #
DNA-TR-90-9 ..... 18 p2974 N91-26418 #
DNA-TR-90-78 ..... 21 p3499 N91-29417 #
DNA-TR-90-101 ..... 18 p3014 N91-26642 #
DNA-TR-90-115 ..... 21 p3542 N91-29679 #
DNA-TR-90-199-TASK-1 ..... 19 p3164 N91-27496 #

DOC-101-24 ..... 06 p0886 N91-14896 #

DOD-D-5030.19 ..... 01 p0001 N91-10001 #

DOD-4650.4 ..... 24 p3954 N91-32091 #

DOD/SW/DK-90/008R ..... 13 p2131 N91-21734 #

DODA-AR-004-515 ..... 08 p1097 N91-16020 #
DODA-AR-005-136 ..... 07 p0961 N91-15293 #
DODA-AR-005-584 ..... 12 p1958 N91-20770 #
DODA-AR-005-639 ..... 19 p3105 N91-27153 #
DODA-AR-005-938 ..... 19 p3237 N91-27902 #
DODA-AR-005-990 ..... 03 p0356 N91-11989 #
DODA-AR-005-997 ..... 08 p1203 N91-16616 #
DODA-AR-006-071 ..... 14 p2193 N91-22114 #
DODA-AR-006-077 ..... 07 p0943 N91-15172 #
DODA-AR-006-078 ..... 07 p0943 N91-15171 #
DODA-AR-006-079 ..... 19 p3105 N91-27154 #
DODA-AR-006-081 ..... 19 p3104 N91-27148 #
DODA-AR-006-113 ..... 15 p2403 N91-23306 #
DODA-AR-006-114 ..... 07 p0935 N91-15123 #
DODA-AR-006-120 ..... 07 p1015 N91-15573 #
DODA-AR-006-121 ..... 07 p0945 N91-15178 #
DODA-AR-006-122 ..... 07 p1015 N91-15572 #
DODA-AR-006-124 ..... 12 p1908 N91-20497 #
DODA-AR-006-128 ..... 21 p3459 N91-29185 #
DODA-AR-006-306 ..... 07 p0980 N91-15380 #
DODA-AR-006-333 ..... 19 p3239 N91-27912 #
DODA-AR-006-362 ..... 21 p3484 N91-29326 #
DODA-AR-006-413 ..... 08 p1150 N91-16331 #
DODA-AR-006-418 ..... 08 p1128 N91-16204 #
DODA-AR-006-420 ..... 19 p3226 N91-27834 #

DODA-AR-006-421 ..... 08 p1134 N91-16238 #
DODA-AR-006-425 ..... 09 p1339 N91-17354 #
DODA-AR-006-434 ..... 11 p1713 N91-19434 #
DODA-AR-006-450 ..... 13 p2058 N91-21326 #
DODA-AR-006-452 ..... 12 p1881 N91-20338 #
DODA-AR-006-453 ..... 12 p1834 N91-20081 #
DODA-AR-006-454 ..... 19 p3104 N91-27149 #
DODA-AR-006-481 ..... 21 p3568 N91-29837 #
DODA-AR-006-482 ..... 19 p3226 N91-27833 #
DODA-AR-006-485 ..... 19 p3231 N91-27860 #
DODA-AR-006-500 ..... 19 p3108 N91-27170 #
DODA-AR-006-583 ..... 19 p3231 N91-27861 #
DODA-AR-006-593 ..... 19 p3104 N91-27152 #
DODA-AR-006-599 ..... 21 p3467 N91-29226 #

DOE/AD-0005 ..... 15 p2523 N91-23984 #

DOE/AL-31881/T2 ..... 21 p3493 N91-29381 #
DOE/AL-43058/T1 ..... 21 p3472 N91-29255 #
DOE/AL-43058/T4 ..... 04 p0502 N91-12786 #

DOE/BC-14483/8 ..... 17 p2887 N91-25963 #
DOE/BC-14600/7 ..... 16 p2625 N91-24538 #

DOE/BP-24332/1 ..... 15 p2417 N91-23387 #
DOE/BP-34623/2 ..... 10 p1519 N91-18363 #
DOE/BP-63056/3 ..... 20 p3331 N91-28445 #

DOE/CE-0289P ..... 10 p1519 N91-18362 #
DOE/CE-0305P ..... 20 p3353 N91-28573 #
DOE/CE-15256/1 ..... 08 p1137 N91-16256 #
DOE/CE-15308/T1 ..... 16 p2612 N91-24461 #
DOE/CE-15345/T4 ..... 04 p0533 N91-12957 #
DOE/CE-15401/T7 ..... 08 p1147 N91-16318 #
DOE/CE-15401/T8 ..... 01 p0045 N91-10269 #
DOE/CE-15401/T10 ..... 10 p1527 N91-18409 #
DOE/CE-15440/T1 ..... 11 p1726 N91-19504 #
DOE/CE-15440/T2 ..... 22 p3675 N91-30464 #
DOE/CE-15440/T3 ..... 21 p3517 N91-29529 #
DOE/CE-15459/T3 ..... 24 p3980 N91-32235 #
DOE/CE-15470/T3 ..... 22 p3688 N91-30535 #
DOE/CE-27462/T1 ..... 11 p1727 N91-19511 #
DOE/CE-34025/T5 ..... 04 p0552 N91-13062 #
DOE/CE-40878/1 ..... 21 p3484 N91-29330 #
DOE/CE-50182/T1 ..... 11 p1733 N91-19531 #
DOE/CE-50182/T2 ..... 11 p1691 N91-19315 #
DOE/CE-89008/T2 ..... 22 p3699 N91-30597* #
DOE/CE-90023/T1 ..... 18 p2968 N91-26386 #
DOE/CE-90025/2 ..... 02 p0219 N91-11225 #
DOE/CE-90029/3 ..... 02 p0219 N91-11223 #
DOE/CE-90029/4 ..... 07 p1003 N91-15504 #
DOE/CE-90029/5 ..... 20 p3342 N91-28508 #
DOE/CE-90048/1 ..... 21 p3502 N91-29437 #
DOE/CE-90048/2 ..... 18 p2952 N91-26289 #

DOE/CH-10093/78 ..... 02 p0230 N91-11284 #
DOE/CH-10093/84 ..... 10 p1539 N91-18473 #
DOE/CH-10093/93 ..... 22 p3701 N91-30604 #
DOE/CH-10406/T2 ..... 11 p1698 N91-19353 #
DOE/CH-10406/T3 ..... 15 p2417 N91-23383 #
DOE/CH-10418/1 ..... 23 p3890 N91-31712 #
DOE/CH-10509/01 ..... 17 p2770 N91-25328 #

DOE/DP-0078T ..... 08 p1225 N91-16751 #
DOE/DP-10560/8 ..... 05 p0721 N91-14026 #
DOE/DP-20154/T1 ..... 21 p3585 N91-29945 #
DOE/DP-40200/132 ..... 06 p0832 N91-14597 #
DOE/DP-40200/140 ..... 10 p1528 N91-18412 #
DOE/DP-40200/146 ..... 21 p3521 N91-29556 #
DOE/DP-48058/T4 ..... 20 p3437 N91-29071 #
DOE/DP-48058/T6 ..... 20 p3436 N91-29067 #
DOE/DP-48058/T7 ..... 20 p3438 N91-29076 #
DOE/DP-48058/T9 ..... 20 p3436 N91-29069 #
DOE/DP-48058/T11 ..... 20 p3436 N91-29066 #
DOE/DP-48058/T12 ..... 20 p3438 N91-29075 #
DOE/DP-48058/T13 ..... 20 p3437 N91-29070 #
DOE/DP-70033/4-VOL-1 ..... 09 p1419 N91-17812 #

DOE/EA-0431 ..... 16 p2695 N91-24923 #
DOE/EA-0492 ..... 13 p2031 N91-21172 #
DOE/EA-0507 ..... 21 p3453 N91-29152 #

DOE/EH-0158T ..... 02 p0272 N91-11526 #
DOE/EH-0165 ..... 20 p3419 N91-28957 #
DOE/EH-0186 ..... 24 p4117 N91-33012 #

DOE/EIA-M-042(90) ..... 12 p1999 N91-21005 #

DOE/EIA-0149(90) ..... 20 p3439 N91-29082 #
DOE/EIA-0174(88) ..... 05 p0683 N91-13797 #
DOE/EIA-0383(91) ..... 16 p2653 N91-24680 #

DOE/ER-0144/9 ..... 23 p3805 N91-31222 #
DOE/ER-0428 ..... 08 p1269 N91-16986 #
DOE/ER-0432 ..... 08 p1173 N91-16456 #
DOE/ER-0457T ..... 21 p3517 N91-29532 #
DOE/ER-0463P ..... 02 p0270 N91-11513 #
DOE/ER-0470T ..... 07 p1028 N91-15641 #
DOE/ER-0474T ..... 05 p0680 N91-13779 #
DOE/ER-0475P ..... 06 p0842 N91-14653 #
DOE/ER-0477T ..... 07 p1032 N91-15663 #
DOE/ER-0479T ..... 07 p1027 N91-15638 #
DOE/ER-0483P ..... 11 p1812 N91-19953 #
DOE/ER-0484P ..... 17 p2919 N91-26111 #
DOE/ER-0489P ..... 17 p2837 N91-25678 #
DOE/ER-0491P ..... 17 p2875 N91-25901 #
DOE/ER-0493T ..... 15 p2512 N91-23921 #
DOE/ER-0496P ..... 18 p3044 N91-26805 #
DOE/ER-0501T ..... 21 p3539 N91-29665 #
DOE/ER-00038/3345 ..... 11 p1794 N91-19843 #
DOE/ER-00881/T2 ..... 21 p3580 N91-29912 #
DOE/ER-01198/T43 ..... 06 p0802 N91-14425 #
DOE/ER-01545/439 ..... 08 p1209 N91-16648 #
DOE/ER-01545/440 ..... 08 p1239 N91-16827 #
DOE/ER-01713/170 ..... 12 p1978 N91-20885 #
DOE/ER-02271/T5 ..... 21 p3579 N91-29904 #
DOE/ER-02271/114 ..... 21 p3579 N91-29905 #
DOE/ER-03065/T8 ..... 18 p3062 N91-26912 #
DOE/ER-03065/T9 ..... 23 p3926 N91-31939 #
DOE/ER-03077/284 ..... 21 p3561 N91-29795 #
DOE/ER-03130/270 ..... 23 p3926 N91-31941 #
DOE/ER-03130/821 ..... 21 p3579 N91-29907 #
DOE/ER-03230/T10 ..... 21 p3577 N91-29892 #
DOE/ER-03956/9 ..... 05 p0713 N91-13979 #
DOE/ER-05007/27 ..... 05 p0765 N91-14250 #
DOE/ER-05490/111 ..... 01 p0114 N91-10665 #
DOE/ER-05490/112 ..... 02 p0280 N91-11574 #
DOE/ER-05490/123 ..... 01 p0120 N91-10708 #
DOE/ER-10666/8 ..... 08 p1222 N91-16734 #
DOE/ER-12105/1 ..... 11 p1807 N91-19923 #
DOE/ER-13034/T1 ..... 23 p3868 N91-31575 #
DOE/ER-13044/8 ..... 11 p1704 N91-19382 #
DOE/ER-13152/T3 ..... 09 p1338 N91-17348 #
DOE/ER-13183/5 ..... 20 p3311 N91-28331 #
DOE/ER-13224/13 ..... 10 p1496 N91-18232 #
DOE/ER-13235/3 ..... 07 p1067 N91-15872 #
DOE/ER-13247/6 ..... 06 p0880 N91-14858 #
DOE/ER-13251/T1 ..... 23 p3889 N91-31704 #
DOE/ER-13262/7 ..... 15 p2504 N91-23870 #
DOE/ER-13266/7 ..... 10 p1592 N91-18783 #
DOE/ER-13281/6 ..... 09 p1310 N91-17192 #
DOE/ER-13282/8 ..... 17 p2757 N91-25259 #
DOE/ER-13288/T1 ..... 10 p1495 N91-18229 #
DOE/ER-13291/6 ..... 15 p2423 N91-23425 #
DOE/ER-13296/7 ..... 17 p2759 N91-25276 #
DOE/ER-13317/T1 ..... 20 p3310 N91-28323 #
DOE/ER-13331/T2 ..... 10 p1507 N91-18296 #
DOE/ER-13356/T2 ..... 11 p1764 N91-19707 #
DOE/ER-13360/T1 ..... 05 p0659 N91-13659 #
DOE/ER-13363/T2 ..... 21 p3573 N91-29867 #
DOE/ER-13370/1 ..... 08 p1108 N91-16086 #
DOE/ER-13388/5 ..... 20 p3380 N91-28723 #
DOE/ER-13406/5 ..... 01 p0020 N91-10121 #
DOE/ER-13421/9 ..... 11 p1794 N91-19839 #
DOE/ER-13433/T1 ..... 05 p0644 N91-13576 #
DOE/ER-13434/5 ..... 06 p0805 N91-14448 #
DOE/ER-13435/4 ..... 08 p1108 N91-16083 #
DOE/ER-13435/5 ..... 10 p1496 N91-18233 #
DOE/ER-13438/1 ..... 11 p1806 N91-19920 #
DOE/ER-13439/6 ..... 12 p1867 N91-20260 #
DOE/ER-13441/T1 ..... 20 p3402 N91-28857 #
DOE/ER-13455/4 ..... 17 p2872 N91-25886 #
DOE/ER-13456/31 ..... 13 p2150 N91-21850 #
DOE/ER-13465/6 ..... 20 p3380 N91-28724 #
DOE/ER-13473/T2 ..... 17 p2760 N91-25278 #
DOE/ER-13479/T1 ..... 20 p3310 N91-28320 #
DOE/ER-13486/5 ..... 10 p1559 N91-18570 #
DOE/ER-13500/T2 ..... 14 p2325 N91-22847 #
DOE/ER-13501/2 ..... 11 p1683 N91-19275 #
DOE/ER-13503/4 ..... 11 p1681 N91-19262 #
DOE/ER-13504/5 ..... 11 p1793 N91-19836 #
DOE/ER-13507/6 ..... 11 p1689 N91-19309 #
DOE/ER-13508/5 ..... 15 p2398 N91-23276 #
DOE/ER-13511/4 ..... 17 p2759 N91-25275 #
DOE/ER-13515/6 ..... 06 p0832 N91-14599 #
DOE/ER-13529/2 ..... 08 p1219 N91-16711 #
DOE/ER-13529/5 ..... 18 p3060 N91-26905 #
DOE/ER-13538/5 ..... 10 p1496 N91-18235 #
DOE/ER-13547/2 ..... 17 p2756 N91-25257 #
DOE/ER-13549/5 ..... 11 p1794 N91-19844 #
DOE/ER-13560/5 ..... 20 p3324 N91-28401 #
DOE/ER-13569/6 ..... 20 p3312 N91-28332 #
DOE/ER-13571/1 ..... 20 p3311 N91-28329 #
DOE/ER-13576/1 ..... 21 p3584 N91-29936 #
DOE/ER-13579/22 ..... 05 p0726 N91-14058 #
DOE/ER-13580/1 ..... 11 p1681 N91-19263 #
DOE/ER-13582/4 ..... 05 p0633 N91-13509 #
DOE/ER-13590/9 ..... 11 p1737 N91-19554 #
DOE/ER-13591/5 ..... 14 p2252 N91-22458 #
DOE/ER-13597/T3 ..... 13 p2080 N91-21461 #
DOE/ER-13600/T1 ..... 01 p0045 N91-10270 #
DOE/ER-13603/4 ..... 18 p2958 N91-26324 #

DOE/ER-13604/16 ..... 20 p3325 N91-28409 #
DOE/ER-13613/19 ..... 10 p1496 N91-18234 #
DOE/ER-13613/29 ..... 10 p1596 N91-18807 #
DOE/ER-13614/4 ..... 21 p3548 N91-29712 #
DOE/ER-13615/5 ..... 21 p3477 N91-29283 #
DOE/ER-13619/5 ..... 20 p3316 N91-28357 #
DOE/ER-13620/4 ..... 24 p4072 N91-32751 #
DOE/ER-13629/4 ..... 08 p1119 N91-16151 #
DOE/ER-13631/T1 ..... 18 p3021 N91-26682 #
DOE/ER-13649/4 ..... 05 p0661 N91-13671 #
DOE/ER-13654/7 ..... 11 p1680 N91-19261 #
DOE/ER-13656/T3 ..... 24 p4098 N91-32897 #
DOE/ER-13659/4 ..... 10 p1601 N91-18829 #
DOE/ER-13666/T3 ..... 23 p3812 N91-31262 #
DOE/ER-13670/2 ..... 14 p2353 N91-23016 #
DOE/ER-13671/4 ..... 10 p1593 N91-18784 #
DOE/ER-13683/3 ..... 06 p0830 N91-14584 #
DOE/ER-13708/T2 ..... 13 p2092 N91-21517 #
DOE/ER-13711/4 ..... 17 p2784 N91-25404 #
DOE/ER-13725/4 ..... 11 p1810 N91-19939 #
DOE/ER-13727/T1 ..... 24 p4107 N91-32948 #
DOE/ER-13738/T1 ..... 24 p4112 N91-32984 #
DOE/ER-13744/11 ..... 12 p1978 N91-20886 #
DOE/ER-13750/2 ..... 11 p1793 N91-19833 #
DOE/ER-13751/4 ..... 09 p1397 N91-17687 #
DOE/ER-13757/T1 ..... 24 p4018 N91-32465 #
DOE/ER-13759/4 ..... 12 p1871 N91-20281 #
DOE/ER-13764/T2 ..... 15 p2424 N91-23427 #
DOE/ER-13768/2 ..... 10 p1606 N91-18864 #
DOE/ER-13769/3 ..... 05 p0658 N91-13654 #
DOE/ER-13775/2 ..... 10 p1500 N91-18258 #
DOE/ER-13778/4 ..... 20 p3403 N91-28863 #
DOE/ER-13780/T2 ..... 10 p1525 N91-18395 #
DOE/ER-13789/4 ..... 20 p3398 N91-28833 #
DOE/ER-13790/3 ..... 07 p0983 N91-15393 #
DOE/ER-13791/5 ..... 24 p4098 N91-32896 #
DOE/ER-13800/T2 ..... 08 p1142 N91-16284 #
DOE/ER-13808/T1 ..... 02 p0268 N91-11504 #
DOE/ER-13811/4 ..... 17 p2757 N91-25260 #
DOE/ER-13822/T1 ..... 05 p0635 N91-13519 #
DOE/ER-13822/4 ..... 24 p3974 N91-32198 #
DOE/ER-13850/15 ..... 01 p0134 N91-10792 #
DOE/ER-13859/11 ..... 20 p3327 N91-28421 #
DOE/ER-13859/12 ..... 20 p3328 N91-28428 #
DOE/ER-13860/3 ..... 01 p0122 N91-10722 #
DOE/ER-13866/1 ..... 04 p0502 N91-12787 #
DOE/ER-13867/8 ..... 08 p1221 N91-16723 #
DOE/ER-13879/3 ..... 20 p3312 N91-28333 #
DOE/ER-13880/3 ..... 11 p1682 N91-19267 #
DOE/ER-13892/T1 ..... 24 p3975 N91-32205 #
DOE/ER-13901/3 ..... 17 p2817 N91-25569 #
DOE/ER-13902/3 ..... 21 p3602 N91-30041 #
DOE/ER-13905/2 ..... 20 p3330 N91-28440 #
DOE/ER-13908/2 ..... 11 p1763 N91-19702 #
DOE/ER-13908/3 ..... 11 p1763 N91-19703 #
DOE/ER-13912/3 ..... 18 p2951 N91-26286 #
DOE/ER-13913/3 ..... 20 p3343 N91-28511 #
DOE/ER-13914/14 ..... 23 p3888 N91-31700 #
DOE/ER-13916/2 ..... 09 p1337 N91-17346 #
DOE/ER-13925/2 ..... 18 p3061 N91-26910 #
DOE/ER-13930/T1 ..... 08 p1138 N91-16261 #
DOE/ER-13937/3 ..... 21 p3521 N91-29555 #
DOE/ER-13942/2 ..... 08 p1117 N91-16140 #
DOE/ER-13943/2 ..... 09 p1309 N91-17184 #
DOE/ER-13944/4 ..... 20 p3403 N91-28864 #
DOE/ER-13950/3 ..... 17 p2861 N91-25823 #
DOE/ER-13954/T1 ..... 23 p3811 N91-31256 #
DOE/ER-13954/3 ..... 23 p3810 N91-31255 #
DOE/ER-13955/11 ..... 11 p1794 N91-19840 #
DOE/ER-13958/16 ..... 02 p0268 N91-11501 #
DOE/ER-13966/2 ..... 12 p1867 N91-20261 #
DOE/ER-13969/T1 ..... 13 p2125 N91-21698 #
DOE/ER-13970/5 ..... 16 p2699 N91-24948 #
DOE/ER-13971/6 ..... 08 p1219 N91-16715 #
DOE/ER-13971/7 ..... 13 p2150 N91-21849 #
DOE/ER-13973/3 ..... 06 p0832 N91-14596 #
DOE/ER-13974/T1 ..... 14 p2266 N91-22535 #
DOE/ER-13975/2 ..... 11 p1793 N91-19834 #
DOE/ER-13977/4 ..... 20 p3357 N91-28596 #
DOE/ER-13989/2 ..... 10 p1559 N91-18571 #
DOE/ER-13992/T1 ..... 20 p3309 N91-28316 #
DOE/ER-14005/T1 ..... 21 p3548 N91-29713 #
DOE/ER-14012/2 ..... 21 p3525 N91-29582 #
DOE/ER-14015/2 ..... 11 p1680 N91-19259 #
DOE/ER-14017/2 ..... 05 p0727 N91-14064 #
DOE/ER-14024/1 ..... 20 p3366 N91-28649 #
DOE/ER-14024/2 ..... 24 p4041 N91-32578 #
DOE/ER-14028/2 ..... 20 p3378 N91-28713 #
DOE/ER-14031/3 ..... 21 p3547 N91-29711 #
DOE/ER-14042/1 ..... 20 p3354 N91-28576 #
DOE/ER-14043/2 ..... 21 p3511 N91-29492 #
DOE/ER-14045/2 ..... 10 p1608 N91-18875 #
DOE/ER-14064/1 ..... 02 p0254 N91-11411 #
DOE/ER-14077/2 ..... 20 p3430 N91-29026 #
DOE/ER-14079/2 ..... 06 p0846 N91-14674 #
DOE/ER-14079/3 ..... 06 p0846 N91-14675 #
DOE/ER-14090/1 ..... 04 p0583 N91-13252 #
DOE/ER-14090/2 ..... 20 p3406 N91-28879 #
DOE/ER-14104/1 ..... 06 p0883 N91-14878 #
DOE/ER-14104/2 ..... 24 p4009 N91-32416 #
DOE/ER-14125/1 ..... 13 p2050 N91-21277 #
DOE/ER-14129/1 ..... 23 p3816 N91-31289 #
DOE/ER-14136/1 ..... 11 p1703 N91-19377 #
DOE/ER-14143/1 ..... 23 p3810 N91-31253 #
DOE/ER-14147/1 ..... 24 p4018 N91-32466 #
DOE/ER-14150/1 ..... 21 p3477 N91-29287 #
DOE/ER-14151/1 ..... 20 p3399 N91-28839 #
DOE/ER-14159/1 ..... 21 p3574 N91-29872 #
DOE/ER-18862/2 ..... 12 p1974 N91-20862 #
DOE/ER-25015/30 ..... 11 p1782 N91-19776 #
DOE/ER-25019/17 ..... 08 p1151 N91-16341 #
DOE/ER-25019/20 ..... 04 p0530 N91-12939 #
DOE/ER-25019/21 ..... 21 p3548 N91-29715 #
DOE/ER-25020/2 ..... 10 p1526 N91-18402 #
DOE/ER-25021/T1 ..... 05 p0710 N91-13958 #
DOE/ER-25026/T3 ..... 18 p3052 N91-26855 #
DOE/ER-25027/T1 ..... 10 p1495 N91-18230 #
DOE/ER-25035/2 ..... 06 p0867 N91-14792 #
DOE/ER-25036/4 ..... 11 p1785 N91-19792 #
DOE/ER-25048/3 ..... 17 p2839 N91-25691 #
DOE/ER-25053/4 ..... 20 p3281 N91-28142 #
DOE/ER-25053/5 ..... 17 p2846 N91-25733 #
DOE/ER-25061/6 ..... 08 p1137 N91-16258 #
DOE/ER-25061/8 ..... 10 p1522 N91-18382 #
DOE/ER-25061/9 ..... 13 p2082 N91-21474 #
DOE/ER-25063/T8-PT-1 ..... 20 p3385 N91-28757 #
DOE/ER-25063/T9 ..... 20 p3438 N91-29080 #
DOE/ER-25063/T10 ..... 20 p3385 N91-28754 #
DOE/ER-25063/T12 ..... 20 p3390 N91-28782 #
DOE/ER-25063/3 ..... 20 p3440 N91-29089 #
DOE/ER-25080/1 ..... 01 p0103 N91-10598 #
DOE/ER-30152/H1T ..... 04 p0508 N91-12824 #
DOE/ER-40039/45 ..... 06 p0830 N91-14585 #
DOE/ER-40039/46 ..... 05 p0715 N91-13989 #
DOE/ER-40085/23 ..... 21 p3579 N91-29908 #
DOE/ER-40120/T2 ..... 20 p3422 N91-28976 #
DOE/ER-40143/7 ..... 01 p0120 N91-10709 #
DOE/ER-40145/5 ..... 07 p1064 N91-15853 #
DOE/ER-40150/138 ..... 07 p0995 N91-15459 #
DOE/ER-40153/7 ..... 15 p2504 N91-23872 #
DOE/ER-40154/T2 ..... 08 p1239 N91-16828 #
DOE/ER-40159/163 ..... 12 p1975 N91-20867 #
DOE/ER-40159/166 ..... 11 p1795 N91-19847 #
DOE/ER-40159/174 ..... 11 p1795 N91-19846 #
DOE/ER-40160/7 ..... 09 p1397 N91-17688 #
DOE/ER-40161/T3 ..... 10 p1618 N91-18920 #
DOE/ER-40161/T4 ..... 10 p1618 N91-18921 #
DOE/ER-40161/T5 ..... 11 p1797 N91-19859 #
DOE/ER-40162/T5 ..... 15 p2504 N91-23871 #
DOE/ER-40193/4 ..... 09 p1398 N91-17691 #
DOE/ER-40211/6 ..... 05 p0729 N91-14071 #
DOE/ER-40216/8 ..... 10 p1594 N91-18795 #
DOE/ER-40219/5 ..... 17 p2874 N91-25897 #
DOE/ER-40231/T8 ..... 02 p0267 N91-11497 #
DOE/ER-40231/T11 ..... 24 p4098 N91-32895 #
DOE/ER-40233/6 ..... 09 p1397 N91-17690 #
DOE/ER-40235/T6 ..... 13 p2150 N91-21851 #
DOE/ER-40269/7 ..... 06 p0870 N91-14809 #
DOE/ER-40272/111 ..... 07 p1083 N91-15956 #
DOE/ER-40272/114 ..... 09 p1427 N91-17856 #
DOE/ER-40272/115 ..... 09 p1364 N91-17495 #
DOE/ER-40272/116 ..... 09 p1364 N91-17496 #
DOE/ER-40283/10 ..... 20 p3405 N91-28873 #
DOE/ER-40284/5 ..... 10 p1594 N91-18793 #
DOE/ER-40286/T3 ..... 12 p1978 N91-20887 #
DOE/ER-40293/5 ..... 20 p3398 N91-28831 #
DOE/ER-40309/13 ..... 04 p0581 N91-13241 #
DOE/ER-40315/178 ..... 10 p1592 N91-18777 #
DOE/ER-40317/3 ..... 09 p1428 N91-17859 #
DOE/ER-40317/5 ..... 21 p3606 N91-30066 #
DOE/ER-40319/3 ..... 02 p0269 N91-11512 #
DOE/ER-40319/4 ..... 23 p3926 N91-31938 #
DOE/ER-40325/4 ..... 10 p1595 N91-18802 #
DOE/ER-40330/44 ..... 04 p0581 N91-13242 #
DOE/ER-40335/5 ..... 07 p1067 N91-15869 #
DOE/ER-40343/4 ..... 07 p1065 N91-15854 #
DOE/ER-40347/T1 ..... 20 p3399 N91-28838 #
DOE/ER-40368/T1 ..... 14 p2326 N91-22852 #
DOE/ER-40370/T3 ..... 13 p2149 N91-21843 #
DOE/ER-40370/3 ..... 13 p2149 N91-21842 #
DOE/ER-40371/4 ..... 15 p2504 N91-23868 #
DOE/ER-40374/41 ..... 10 p1595 N91-18801 #
DOE/ER-40376/4 ..... 15 p2504 N91-23869 #
DOE/ER-40388/71 ..... 20 p3404 N91-28872 #
DOE/ER-40399/4 ..... 24 p4096 N91-32887 #
DOE/ER-40403/T2 ..... 03 p0416 N91-12328 #
DOE/ER-40410/T1 ..... 10 p1592 N91-18782 #
DOE/ER-40415/18 ..... 21 p3578 N91-29901 #
DOE/ER-40419/22 ..... 14 p2326 N91-22848 #
DOE/ER-40423/06-P90 ..... 14 p2338 N91-22925 #
DOE/ER-40423/10-P90 ..... 05 p0726 N91-14057 #
DOE/ER-40423/18 ..... 09 p1395 N91-17679 #

DOE/ER-40423/19 ..... 14 p2347 N91-22983 #
DOE/ER-40425/253 ..... 23 p3926 N91-31936 #
DOE/ER-40427/04-N90 ..... 08 p1219 N91-16712 #
DOE/ER-40427/11-N91 ..... 21 p3573 N91-29866 #
DOE/ER-40427/12-N91 ..... 24 p4097 N91-32890 #
DOE/ER-40427/13-N90 ..... 04 p0609 N91-13387 #
DOE/ER-40435/3 ..... 07 p1075 N91-15917 #
DOE/ER-40448/3 ..... 07 p1065 N91-15857 #
DOE/ER-40456/8 ..... 20 p3400 N91-28845 #
DOE/ER-40467/6 ..... 21 p3577 N91-29897 #
DOE/ER-40479/3 ..... 15 p2503 N91-23863 #
DOE/ER-40501/2 ..... 10 p1591 N91-18773 #
DOE/ER-40509/2 ..... 10 p1591 N91-18774 #
DOE/ER-40531/2 ..... 23 p3926 N91-31937 #
DOE/ER-40557/1 ..... 11 p1794 N91-19845 #
DOE/ER-40560/T2 ..... 06 p0924 N91-15111 #
DOE/ER-40577/1 ..... 10 p1592 N91-18781 #
DOE/ER-40626/1 ..... 24 p4122 N91-33041 #
DOE/ER-45057/6 ..... 06 p0869 N91-14804 #
DOE/ER-45058/7 ..... 23 p3879 N91-31641 #
DOE/ER-45097/6 ..... 18 p2952 N91-26290 #
DOE/ER-45100/14 ..... 07 p0975 N91-15353 #
DOE/ER-45113/T2 ..... 07 p1071 N91-15893 #
DOE/ER-45130/5 ..... 05 p0727 N91-14062 #
DOE/ER-45131/8 ..... 04 p0502 N91-12788 #
DOE/ER-45131/9 ..... 21 p3512 N91-29504 #
DOE/ER-45141/T5 ..... 04 p0537 N91-12979 #
DOE/ER-45147/6 ..... 21 p3599 N91-30024 #
DOE/ER-45150/6 ..... 11 p1810 N91-19940 #
DOE/ER-45153/T3 ..... 06 p0880 N91-14859 #
DOE/ER-45163/23 ..... 09 p1412 N91-17769 #
DOE/ER-45163/26 ..... 23 p3812 N91-31263 #
DOE/ER-45166/3 ..... 11 p1722 N91-19484 #
DOE/ER-45167/1 ..... 05 p0642 N91-13563 #
DOE/ER-45169/T1 ..... 01 p0025 N91-10152 #
DOE/ER-45170/6 ..... 04 p0506 N91-12810 #
DOE/ER-45170/7 ..... 10 p1504 N91-18275 #
DOE/ER-45184/8 ..... 09 p1312 N91-17203 #
DOE/ER-45189/4 ..... 08 p1221 N91-16725 #
DOE/ER-45191/12 ..... 10 p1502 N91-18267 #
DOE/ER-45191/15 ..... 10 p1502 N91-18266 #
DOE/ER-45193/1 ..... 06 p0813 N91-14491 #
DOE/ER-45194/6 ..... 13 p2056 N91-21316 #
DOE/ER-45200/7 ..... 21 p3592 N91-29980 #
DOE/ER-45205/6 ..... 20 p3304 N91-28287 #
DOE/ER-45208/6 ..... 06 p0879 N91-14855 #
DOE/ER-45209/5 ..... 16 p2696 N91-24930 #
DOE/ER-45217/T1 ..... 05 p0642 N91-13565 #
DOE/ER-45219/4 ..... 03 p0338 N91-11895 #
DOE/ER-45219/5 ..... 21 p3592 N91-29978 #
DOE/ER-45220/T3 ..... 10 p1503 N91-18271 #
DOE/ER-45222/5 ..... 11 p1794 N91-19841 #
DOE/ER-45229/T3 ..... 06 p0810 N91-14471 #
DOE/ER-45236/T3 ..... 10 p1497 N91-18241 #
DOE/ER-45239/T2 ..... 08 p1115 N91-16123 #
DOE/ER-45246/T1 ..... 07 p0980 N91-15378 #
DOE/ER-45247/4 ..... 17 p2757 N91-25262 #
DOE/ER-45251/3 ..... 21 p3491 N91-29371 #
DOE/ER-45252/T5 ..... 12 p1877 N91-20317 #
DOE/ER-45253/5 ..... 01 p0129 N91-10764 #
DOE/ER-45254/5 ..... 20 p3429 N91-29020 #
DOE/ER-45262/4 ..... 20 p3318 N91-28368 #
DOE/ER-45267/4 ..... 05 p0712 N91-13973 #
DOE/ER-45269/2 ..... 20 p3311 N91-28328 #
DOE/ER-45273/5 ..... 24 p4023 N91-32485 #
DOE/ER-45276/4 ..... 04 p0591 N91-13303 #
DOE/ER-45278/T1 ..... 20 p3427 N91-29011 #
DOE/ER-45279/T2 ..... 21 p3491 N91-29372 #
DOE/ER-45279/3 ..... 20 p3323 N91-28396 #
DOE/ER-45281/5 ..... 03 p0338 N91-11896 #
DOE/ER-45286/4 ..... 21 p3484 N91-29329 #
DOE/ER-45288/T1 ..... 20 p3322 N91-28392 #
DOE/ER-45288/T2 ..... 20 p3328 N91-28430 #
DOE/ER-45291/4 ..... 09 p1399 N91-17702 #
DOE/ER-45295/T1 ..... 20 p3319 N91-28372 #
DOE/ER-45298/7 ..... 20 p3428 N91-29013 #
DOE/ER-45301/4 ..... 20 p3433 N91-29043 #
DOE/ER-45306/4 ..... 20 p3329 N91-28433 #
DOE/ER-45306/5 ..... 21 p3485 N91-29333 #
DOE/ER-45308/4 ..... 14 p2248 N91-22435 #
DOE/ER-45310/21 ..... 06 p0883 N91-14880 #
DOE/ER-45310/22 ..... 09 p1413 N91-17780 #
DOE/ER-45310/23 ..... 09 p1414 N91-17782 #
DOE/ER-45310/30 ..... 13 p2159 N91-21905 #
DOE/ER-45311/4 ..... 17 p2759 N91-25273 #
DOE/ER-45312/4 ..... 23 p3807 N91-31239 #
DOE/ER-45314/3 ..... 11 p1809 N91-19938 #
DOE/ER-45315/15 ..... 15 p2401 N91-23293 #
DOE/ER-45320/4 ..... 23 p3932 N91-31973 #
DOE/ER-45328/4 ..... 02 p0196 N91-11099 #
DOE/ER-45328/5 ..... 20 p3425 N91-28995 #
DOE/ER-45330/2 ..... 01 p0132 N91-10779 #
DOE/ER-45333/1 ..... 21 p3578 N91-29900 #
DOE/ER-45337/1 ..... 04 p0505 N91-12803 #
DOE/ER-45347/31 ..... 20 p3401 N91-28848 #
DOE/ER-45352/3 ..... 20 p3318 N91-28369 #
DOE/ER-45357/4 ..... 20 p3434 N91-29049 #
DOE/ER-45357/5 ..... 21 p3474 N91-29266 #
DOE/ER-45358/2 ..... 06 p0871 N91-14814 #
DOE/ER-45364/2 ..... 16 p2602 N91-24417 #
DOE/ER-45365/2 ..... 21 p3478 N91-29293 #
DOE/ER-45370/3 ..... 02 p0201 N91-11124 #
DOE/ER-45372/2 ..... 18 p2944 N91-26239 #
DOE/ER-45376/3 ..... 24 p3975 N91-32206 #
DOE/ER-45388/1 ..... 15 p2401 N91-23297 #
DOE/ER-45391/1 ..... 06 p0882 N91-14874 #
DOE/ER-45392/1 ..... 09 p1311 N91-17196 #
DOE/ER-45392/3 ..... 23 p3815 N91-31281 #
DOE/ER-45396/2 ..... 20 p3322 N91-28391 #
DOE/ER-45402/2 ..... 20 p3432 N91-29041 #
DOE/ER-45403/2 ..... 23 p3925 N91-31934 #
DOE/ER-45409/1 ..... 12 p1877 N91-20316 #
DOE/ER-45413/1 ..... 20 p3321 N91-28383 #
DOE/ER-45416/1 ..... 21 p3599 N91-30025 #
DOE/ER-45417/1 ..... 10 p1609 N91-18878 #
DOE/ER-45421/1 ..... 20 p3359 N91-28608 #
DOE/ER-45423/1 ..... 10 p1608 N91-18873 #
DOE/ER-45427/1-PT-1 ..... 12 p1991 N91-20962 #
DOE/ER-45427/1-PT-2 ..... 12 p1992 N91-20963 #
DOE/ER-45435/T1 ..... 20 p3308 N91-28312 #
DOE/ER-52122/5-VOL-5 ..... 02 p0206 N91-11152 #
DOE/ER-52127/72 ..... 02 p0273 N91-11534 #
DOE/ER-52139/90-1 ..... 09 p1311 N91-17195 #
DOE/ER-52147/T1 ..... 08 p1227 N91-16763 #
DOE/ER-52147/T2 ..... 08 p1227 N91-16764 #
DOE/ER-52147/4 ..... 12 p1983 N91-20912 #
DOE/ER-53175/5 ..... 02 p0275 N91-11549 #
DOE/ER-53175/6 ..... 21 p3585 N91-29943 #
DOE/ER-53198/154 ..... 08 p1226 N91-16757 #
DOE/ER-53198/160 ..... 02 p0273 N91-11535 #
DOE/ER-53198/161 ..... 17 p2868 N91-25864 #
DOE/ER-53198/162 ..... 07 p1068 N91-15877 #
DOE/ER-53198/163 ..... 21 p3586 N91-29949 #
DOE/ER-53198/164 ..... 10 p1600 N91-18827 #
DOE/ER-53198/165 ..... 09 p1406 N91-17735 #
DOE/ER-53198/166 ..... 10 p1603 N91-18847 #
DOE/ER-53198/167 ..... 20 p3446 N91-29126 #
DOE/ER-53198/169 ..... 14 p2329 N91-22867 #
DOE/ER-53198/170 ..... 17 p2847 N91-25738 #
DOE/ER-53198/171 ..... 21 p3586 N91-29948 #
DOE/ER-53198/173 ..... 21 p3588 N91-29960 #
DOE/ER-53198/174 ..... 21 p3588 N91-29959 #
DOE/ER-53201/T5 ..... 01 p0126 N91-10748 #
DOE/ER-53212/152 ..... 21 p3584 N91-29940 #
DOE/ER-53212/157 ..... 17 p2868 N91-25863 #
DOE/ER-53212/172 ..... 20 p3419 N91-28961 #
DOE/ER-53212/177 ..... 21 p3589 N91-29966 #
DOE/ER-53217/4 ..... 01 p0120 N91-10710 #
DOE/ER-53221/6 ..... 20 p3422 N91-28980 #
DOE/ER-53222/1 ..... 10 p1602 N91-18837 #
DOE/ER-53222/101 ..... 21 p3584 N91-29938 #
DOE/ER-53222/102 ..... 08 p1227 N91-16760 #
DOE/ER-53222/104 ..... 07 p1069 N91-15882 #
DOE/ER-53222/105 ..... 11 p1804 N91-19904 #
DOE/ER-53223/145 ..... 01 p0126 N91-10746 #
DOE/ER-53223/146 ..... 05 p0718 N91-14006 #
DOE/ER-53223/158 ..... 15 p2513 N91-23924 #
DOE/ER-53223/159 ..... 20 p3422 N91-28978 #
DOE/ER-53233/2 ..... 16 p2691 N91-24896 #
DOE/ER-53236/11 ..... 21 p3497 N91-29403 #
DOE/ER-53240/3 ..... 02 p0273 N91-11533 #
DOE/ER-53241/T1 ..... 20 p3417 N91-28945 #
DOE/ER-53241/T2 ..... 20 p3418 N91-28950 #
DOE/ER-53242/4 ..... 01 p0125 N91-10738 #
DOE/ER-53244/17 ..... 20 p3422 N91-28977 #
DOE/ER-53252/22 ..... 11 p1779 N91-19759 #
DOE/ER-53263/8 ..... 09 p1399 N91-17703 #
DOE/ER-53263/16 ..... 21 p3589 N91-29964 #
DOE/ER-53266/30 ..... 15 p2511 N91-23912 #
DOE/ER-53266/31 ..... 14 p2328 N91-22866 #
DOE/ER-53266/32 ..... 09 p1400 N91-17705 #
DOE/ER-53266/35 ..... 14 p2326 N91-22853 #
DOE/ER-53266/36 ..... 15 p2512 N91-23918 #
DOE/ER-53267/3 ..... 08 p1227 N91-16762 #
DOE/ER-53267/71 ..... 17 p2870 N91-25876 #
DOE/ER-53276/3 ..... 13 p2157 N91-21889 #
DOE/ER-53284/T1 ..... 17 p2867 N91-25857 #
DOE/ER-53291/1 ..... 01 p0126 N91-10747 #
DOE/ER-53291/2 ..... 16 p2693 N91-24908 #
DOE/ER-53295/2 ..... 20 p3421 N91-28971 #
DOE/ER-53298/2 ..... 14 p2328 N91-22864 #
DOE/ER-53300/1 ..... 14 p2328 N91-22865 #
DOE/ER-53301/3 ..... 20 p3422 N91-28981 #
DOE/ER-53302/2 ..... 08 p1228 N91-16767 #
DOE/ER-53302/3 ..... 13 p2159 N91-21901 #
DOE/ER-54085/1 ..... 10 p1601 N91-18831 #
DOE/ER-54088/1 ..... 13 p2158 N91-21899 #
DOE/ER-54089/1 ..... 24 p4105 N91-32941 #
DOE/ER-54095/1 ..... 20 p3420 N91-28967 #
DOE/ER-54109/T1 ..... 15 p2512 N91-23920 #
DOE/ER-54110/T2 ..... 16 p2692 N91-24906 #
DOE/ER-54111/1 ..... 24 p4104 N91-32935 #

DOE/ER-60242/T4 ..... 09 p1360 N91-17474 #
DOE/ER-60293/5 ..... 17 p2808 N91-25522 #
DOE/ER-60313/5 ..... 09 p1362 N91-17484 #
DOE/ER-60348/T2 ..... 13 p2123 N91-21686 #
DOE/ER-60372/5 ..... 08 p1173 N91-16460 #
DOE/ER-60376/5 ..... 17 p2816 N91-25564 #
DOE/ER-60397/T6 ..... 07 p1027 N91-15637 #
DOE/ER-60417/T3 ..... 24 p4097 N91-32894 #
DOE/ER-60417/5 ..... 05 p0694 N91-13867 #
DOE/ER-60422/6 ..... 11 p1733 N91-19532 #
DOE/ER-60434/6 ..... 23 p3899 N91-31764 #
DOE/ER-60438/T3 ..... 23 p3898 N91-31759 #
DOE/ER-60444/2 ..... 23 p3892 N91-31722 #
DOE/ER-60472/T1 ..... 10 p1537 N91-18462 #
DOE/ER-60473/T1 ..... 08 p1220 N91-16717 #
DOE/ER-60485/T2 ..... 20 p3371 N91-28673 #
DOE/ER-60490/T1 ..... 24 p4042 N91-32587 #
DOE/ER-60519/T2 ..... 10 p1563 N91-18596 #
DOE/ER-60522/4 ..... 10 p1558 N91-18568 #
DOE/ER-60539/T4 ..... 10 p1563 N91-18595 #
DOE/ER-60543/3 ..... 07 p1033 N91-15666 #
DOE/ER-60556/T2 ..... 13 p2126 N91-21703 #
DOE/ER-60557/1 ..... 16 p2662 N91-24726 #
DOE/ER-60561/5 ..... 20 p3381 N91-28728 #
DOE/ER-60570/3 ..... 17 p2807 N91-25521 #
DOE/ER-60631/5 ..... 08 p1220 N91-16722 #
DOE/ER-60631/7 ..... 20 p3378 N91-28716 #
DOE/ER-60675/T2 ..... 17 p2817 N91-25568 #
DOE/ER-60678/3 ..... 13 p2126 N91-21702 #
DOE/ER-60700/3 ..... 11 p1764 N91-19706 #
DOE/ER-60707/T1 ..... 10 p1563 N91-18598 #
DOE/ER-60836/2 ..... 11 p1764 N91-19705 #
DOE/ER-60913/T1 ..... 20 p3378 N91-28717 #
DOE/ER-60933/1 ..... 04 p0542 N91-13009* #
DOE/ER-60954/1 ..... 03 p0389 N91-12165 #
DOE/ER-60970/1 ..... 11 p1735 N91-19541 #
DOE/ER-60971/1-PHASE-2 ..... 11 p1738 N91-19555 #
DOE/ER-60977/1 ..... 16 p2655 N91-24692 #
DOE/ER-60983/2 ..... 21 p3547 N91-29708 #
DOE/ER-60989/1 ..... 19 p3206 N91-27723 #
DOE/ER-60997/T1 ..... 15 p2473 N91-23696 #
DOE/ER-61009/1 ..... 17 p2822 N91-25597 #
DOE/ER-61013/T1 ..... 11 p1735 N91-19543 #
DOE/ER-61014/1 ..... 13 p2114 N91-21639 #
DOE/ER-61015/1 ..... 11 p1735 N91-19540 #
DOE/ER-61019/1 ..... 11 p1734 N91-19537 #
DOE/ER-61033/1 ..... 17 p2823 N91-25598 #
DOE/ER-61034/1 ..... 20 p3436 N91-29064 #
DOE/ER-69017/T-H1 ..... 16 p2660 N91-24718 #
DOE/ER-69017/2 ..... 07 p1027 N91-15635 #
DOE/ER-69017/3 ..... 24 p4070 N91-32742 #
DOE/ER-75498/T2 ..... 21 p3603 N91-30044 #
DOE/ER-75498/5 ..... 23 p3934 N91-31986 #
DOE/ER-75498/6 ..... 23 p3934 N91-31985 #
DOE/ER-75498/7 ..... 22 p3763 N91-30979 #
DOE/ER-75498/8 ..... 22 p3764 N91-30981 #
DOE/ER-75498/9 ..... 22 p3763 N91-30980 #
DOE/ER-75527/2 ..... 02 p0285 N91-11604 #

DOE/ET-10815/154 ..... 11 p1804 N91-19906 #
DOE/ET-10815/157 ..... 20 p3348 N91-28541 #
DOE/ET-15601/T52 ..... 11 p1777 N91-19746 #
DOE/ET-15601/T53 ..... 11 p1710 N91-19420 #
DOE/ET-47927/T6 ..... 24 p3978 N91-32225* #
DOE/ET-51013/T231 ..... 06 p0877 N91-14848 #
DOE/ET-51013/T238 ..... 14 p2322 N91-22827 #
DOE/ET-51013/291 ..... 14 p2329 N91-22868 #
DOE/ET-53088/7 ..... 21 p3588 N91-29956 #
DOE/ET-53088/424 ..... 08 p1225 N91-16748 #
DOE/ET-53088/435 ..... 11 p1784 N91-19787 #
DOE/ET-53088/443 ..... 01 p0126 N91-10744 #
DOE/ET-53088/444 ..... 01 p0126 N91-10743 #
DOE/ET-53088/445 ..... 01 p0126 N91-10745 #
DOE/ET-53088/446 ..... 01 p0141 N91-10831 #
DOE/ET-53088/447 ..... 02 p0274 N91-11540 #
DOE/ET-53088/450 ..... 02 p0294 N91-11651 #
DOE/ET-53088/451 ..... 04 p0583 N91-13254 #
DOE/ET-53088/452 ..... 02 p0291 N91-11634 #
DOE/ET-53088/455 ..... 02 p0275 N91-11548 #
DOE/ET-53088/456 ..... 09 p1394 N91-17668 #
DOE/ET-53088/462 ..... 07 p1069 N91-15879 #
DOE/ET-53088/469 ..... 11 p1802 N91-19897 #
DOE/ET-53088/472 ..... 11 p1804 N91-19909 #
DOE/ET-53088/474 ..... 17 p2869 N91-25870 #
DOE/ET-53088/480-REV ..... 20 p3422 N91-28982 #
DOE/ET-53088/483 ..... 17 p2870 N91-25873 #
DOE/ET-53088/484 ..... 20 p3419 N91-28963 #
DOE/ET-53088/489 ..... 21 p3577 N91-29896 #
DOE/ET-53088/490 ..... 20 p3421 N91-28974 #
DOE/ET-53088/492 ..... 24 p4018 N91-32464 #
DOE/ET-53088/494 ..... 20 p3420 N91-28964 #
DOE/ET-53088/495 ..... 20 p3420 N91-28965 #
DOE/ET-53088/496 ..... 20 p3421 N91-28972 #
DOE/ET-53088/500 ..... 21 p3589 N91-29965 #
DOE/ET-53088/502 ..... 24 p4106 N91-32945 #
DOE/ET-53088/504 ..... 21 p3580 N91-29913 #

DOE/ET-53088/508 ..... 24 p4106 N91-32946 #

DOE/EV-10220/T2 ..... 17 p2807 N91-25519 #

DOE/EW-00003/2 ..... 17 p2807 N91-25517 #

DOE/FE-0183P ..... 08 p1157 N91-16374 #

DOE/ID-10243/2-VOL-2-APP-PT-1 ..... 08 p1132 N91-16227 #
DOE/ID-10281-ADD ..... 16 p2622 N91-24518 #
DOE/ID-10287 ..... 02 p0207 N91-11157 #
DOE/ID-10297 ..... 24 p3977 N91-32218 #
DOE/ID-10302 ..... 09 p1330 N91-17305 #
DOE/ID-12536/2 ..... 05 p0631 N91-13497 #
DOE/ID-12597/4-VOL-4-PHASE-1 ..... 09 p1306 N91-17164 #
DOE/ID-12626/T2 ..... 20 p3323 N91-28398 #
DOE/ID-12689/1-VOL-1-ADD ..... 21 p3502 N91-29436 #
DOE/ID-12693/1 ..... 15 p2526 N91-23999 #
DOE/ID-12735/T12 ..... 10 p1504 N91-18279 #
DOE/ID-12735/T13 ..... 11 p1687 N91-19298 #
DOE/ID-12735/T15 ..... 21 p3485 N91-29335 #
DOE/ID-12850/3 ..... 04 p0543 N91-13013 #
DOE/ID-12869/1 ..... 06 p0815 N91-14503 #
DOE/ID-12882/1-ADD ..... 22 p3749 N91-30899 #
DOE/ID-13040/1 ..... 11 p1727 N91-19509 #

DOE/IR-05106/T139 ..... 22 p3684 N91-30514 #

DOE/LLW-102 ..... 20 p3387 N91-28764 #

DOE/MA-0422 ..... 08 p1239 N91-16831 #

DOE/MC-23135/2980 ..... 18 p2952 N91-26288 #
DOE/MC-23161/2806 ..... 08 p1137 N91-16259 #
DOE/MC-23265/2822 ..... 09 p1311 N91-17194 #
DOE/MC-23270/2876 ..... 02 p0232 N91-11298 #
DOE/MC-23270/2923 ..... 11 p1726 N91-19505 #
DOE/MC-23270/2969 ..... 14 p2281 N91-22618 #
DOE/MC-24207/2852 ..... 02 p0214 N91-11194 #
DOE/MC-24207/2857 ..... 01 p0132 N91-10781 #
DOE/MC-24218/2957 ..... 18 p3071 N91-26970 #
DOE/MC-24221/T19 ..... 20 p3368 N91-28659 #
DOE/MC-24221/2881 ..... 20 p3368 N91-28657 #
DOE/MC-25035/2940 ..... 16 p2636 N91-24595 #
DOE/MC-25159/2984 ..... 20 p3405 N91-28875 #
DOE/MC-25166/2961 ..... 22 p3700 N91-30602 #
DOE/MC-25170/2861 ..... 08 p1170 N91-16442 #
DOE/MC-26367/2931 ..... 09 p1320 N91-17247 #

DOE/METC-90-0268 ..... 05 p0684 N91-13805 #
DOE/METC-90-4099 ..... 22 p3652 N91-30326 #
DOE/METC-90-6112 ..... 02 p0231 N91-11288 #
DOE/METC-90/4102 ..... 11 p1738 N91-19556 #

DOE/NASA/0335-3 ..... 22 p3770 N91-31022* #
DOE/NASA/0336-2 ..... 08 p1097 N91-16021* #
DOE/NASA/5266-1 ..... 05 p0684 N91-13804*
DOE/NASA/5266-2 ..... 13 p2112 N91-21625* #
DOE/NASA/16310-14 ..... 06 p0807 N91-14454* #
DOE/NASA/16310-15 ..... 08 p1115 N91-16128* #
DOE/NASA/16310-16 ..... 21 p3479 N91-29298* #
DOE/NASA/20320-76 ..... 01 p0022 N91-10127* #
DOE/NASA/20320-77 ..... 08 p1213 N91-16679* #
DOE/NASA/33408-5 ..... 22 p3770 N91-31023* #
DOE/NASA/50162-4 ..... 07 p0969 N91-15318* #
DOE/NASA/50162-5 ..... 13 p2054 N91-21302* #

DOE/NE-32140/20 ..... 10 p1489 N91-18207 #
DOE/NE-37963/12 ..... 02 p0195 N91-11092 #
DOE/NE-37963/15 ..... 21 p3483 N91-29319 #
DOE/NE-37963/16 ..... 23 p3816 N91-31290 #

DOE/NV-10630/13 ..... 10 p1614 N91-18906 #
DOE/NV-10652/T1 ..... 21 p3585 N91-29941 #
DOE/NV-10845/5 ..... 17 p2801 N91-25501 #

DOE/OR-00033/T443 ..... 02 p0267 N91-11498 #
DOE/OR-00033/T444 ..... 02 p0212 N91-11187 #

DOE/OSTI-4500-R75 ..... 05 p0671 N91-13727 #
DOE/OSTI-4649 ..... 05 p0730 N91-14081 #
DOE/OSTI-11633-3 ..... 24 p4039 N91-32571 #

DOE/PC-70507/T3 ..... 02 p0274 N91-11539 #
DOE/PC-70512/16 ..... 10 p1609 N91-18882 #
DOE/PC-79676/T2 ..... 10 p1516 N91-18348 #
DOE/PC-79678/T4 ..... 10 p1601 N91-18830 #
DOE/PC-79680/T4 ..... 11 p1697 N91-19347 #
DOE/PC-79817/4 ..... 11 p1691 N91-19318 #
DOE/PC-79817/5 ..... 11 p1678 N91-19251 #
DOE/PC-79817/6 ..... 11 p1690 N91-19313 #
DOE/PC-79817/7 ..... 09 p1320 N91-17249 #
DOE/PC-79817/8 ..... 10 p1506 N91-18290 #
DOE/PC-79922/T6 ..... 12 p1926 N91-20597 #
DOE/PC-79923/T4 ..... 10 p1497 N91-18238 #
DOE/PC-79923/T7 ..... 24 p3973 N91-32192 #

DOE/PC-79931/T6 ..... 10 p1541 N91-18483 #
DOE/PC-80527/T2 ..... 21 p3472 N91-29257 #
DOE/PC-88827/T5 ..... 01 p0032 N91-10188 #
DOE/PC-88861/T18 ..... 09 p1305 N91-17160 #
DOE/PC-88867/T10 ..... 23 p3811 N91-31260 #
DOE/PC-88913/T8 ..... 15 p2423 N91-23424 #
DOE/PC-88928/T2 ..... 14 p2328 N91-22863 #
DOE/PC-88928/T4 ..... 24 p4105 N91-32939 #
DOE/PC-88932/T3 ..... 11 p1734 N91-19536 #
DOE/PC-88947/T9 ..... 15 p2409 N91-23339 #
DOE/PC-88948/T1 ..... 24 p4016 N91-32454 #
DOE/PC-88949/T8 ..... 18 p2982 N91-26467 #
DOE/PC-88951/T2 ..... 19 p3136 N91-27326 #
DOE/PC-88951/7 ..... 18 p2982 N91-26468 #
DOE/PC-89768/T2 ..... 16 p2687 N91-24873 #
DOE/PC-89771/4 ..... 06 p0804 N91-14440 #
DOE/PC-89771/5-PT-5 ..... 20 p3311 N91-28327 #
DOE/PC-89775/2 ..... 11 p1678 N91-19250 #
DOE/PC-89775/3 ..... 13 p2049 N91-21272 #
DOE/PC-89786/T1 ..... 15 p2408 N91-23334 #
DOE/PC-89864/T2 ..... 18 p2993 N91-26528 #
DOE/PC-89866/T1 ..... 04 p0511 N91-12840 #
DOE/PC-89866/T2 ..... 04 p0511 N91-12842 #
DOE/PC-89877/6 ..... 23 p3811 N91-31261 #
DOE/PC-90013/T13 ..... 04 p0511 N91-12843 #
DOE/PC-90044/1 ..... 13 p2058 N91-21325 #
DOE/PC-90044/2 ..... 24 p3973 N91-32193 #
DOE/PC-90274/T8 ..... 02 p0274 N91-11542 #
DOE/PC-90291/T2 ..... 16 p2598 N91-24401 #
DOE/PC-90293/T1 ..... 15 p2397 N91-23275 #
DOE/PC-90526/T2 ..... 18 p2944 N91-26243 #
DOE/PC-90533/16 ..... 21 p3477 N91-29285 #
DOE/PC-90956/T10 ..... 10 p1526 N91-18401 #

DOE/PE-0095P ..... 02 p0201 N91-11127 #
DOE/PE-0096P ..... 07 p1026 N91-15631 #
DOE/PE-0098P ..... 23 p3822 N91-31319 #

DOE/PETC-TR/91/3 ..... 21 p3511 N91-29496 #
DOE/PETC-TR/91/7 ..... 21 p3510 N91-29491 #
DOE/PETC-TR/91/8 ..... 20 p3343 N91-28514 #

DOE/PETC/TR-90/8 ..... 04 p0523 N91-12912 #
DOE/PETC/TR-90/9 ..... 05 p0659 N91-13660 #

DOE/RA-50219/T10 ..... 08 p1189 N91-16537 #
DOE/RA-50219/T13 ..... 08 p1189 N91-16539 #

DOE/RL-01830/H5T ..... 07 p1032 N91-15664 #

DOE/SF-15894/T1-PHASE-2 ..... 09 p1354 N91-17439 #
DOE/SF-16306/21 ..... 08 p1169 N91-16435 #
DOE/SF-16306/23 ..... 02 p0231 N91-11291 #
DOE/SF-16306/28 ..... 09 p1356 N91-17451 #
DOE/SF-16518/T1 ..... 20 p3367 N91-28652 #
DOE/SF-16733/T1 ..... 17 p2872 N91-25887 #
DOE/SF-17170/T25 ..... 15 p2402 N91-23299 #
DOE/SF-18011/1 ..... 10 p1601 N91-18828 #
DOE/SF-18014/T1 ..... 20 p3418 N91-28956 #
DOE/SF-18438/1 ..... 13 p2158 N91-21900 #
DOE/SF-18852/T1 ..... 17 p2863 N91-25833 #

DOT-FAA-NR-91-5 ..... 15 p2468 N91-23675 #

DOT-FAA/CT-TN90/55 ..... 16 p2558 N91-24190 #

DOT-HS-807688 ..... 24 p4087 N91-32832 #

DOT-MA-RD-840-90014 ..... 16 p2664 N91-24740 #

DOT-P-15-89-5 ..... 18 p3034 N91-26746 #

DOT-TSC-FRA-90-1 ..... 09 p1351 N91-17419 #

DOT-TSC-NHTSA-90-2 ..... 24 p4087 N91-32832 #

DOT-VNTSC-FAA-90-6 ..... 15 p2364 N91-23079 #
DOT-VNTSC-FAA-90-7 ..... 16 p2547 N91-24111 #

DOT-VNTSC-FA1J1-91-7-VOL-1 ..... 17 p2737 N91-25154 #

DOT-VNTSC-FRA-90-3 ..... 11 p1693 N91-19326 #

DOT-VNTSC-MARAD-90-1 ..... 16 p2664 N91-24740 #

DOT-VNTSC-RSPA-90-3 ..... 24 p3954 N91-32091 #

DOT/FAA/AM-90/7 ..... 04 p0553 N91-13065 #
DOT/FAA/AM-90/8 ..... 04 p0476 N91-12658 #
DOT/FAA/AM-90/10 ..... 08 p1190 N91-16544 #
DOT/FAA/AM-90/11 ..... 08 p1093 N91-15999 #
DOT/FAA/AM-90/12 ..... 12 p1928 N91-20611 #
DOT/FAA/AM-90/13 ..... 12 p1930 N91-20621 #
DOT/FAA/AM-90/14 ..... 12 p1933 N91-20634 #
DOT/FAA/AM-90/15 ..... 12 p1928 N91-20607 #
DOT/FAA/AM-90/16 ..... 13 p2127 N91-21708 #

DOT/FAA/AM-91/2 ..... 18 p3029 N91-26721 #
DOT/FAA/AM-91/6 ..... 21 p3453 N91-29153 #
DOT/FAA/AM-91/7 ..... 21 p3551 N91-29733 #

DOT/FAA/AOV-90-1 ..... 03 p0310 N91-11738 #
DOT/FAA/AOV-90-2 ..... 12 p1832 N91-20069 #

DOT/FAA/AS-90-3 ..... 13 p2029 N91-21158 #

DOT/FAA/CT-TN89/44 ..... 01 p0009 N91-10051 #
DOT/FAA/CT-TN89/55 ..... 09 p1275 N91-17008 #
DOT/FAA/CT-TN89/69 ..... 13 p2148 N91-21833 #
DOT/FAA/CT-TN90/3 ..... 09 p1275 N91-17011 #
DOT/FAA/CT-TN90/9 ..... 07 p1030 N91-15651 #
DOT/FAA/CT-TN90/11 ..... 10 p1469 N91-18101 #
DOT/FAA/CT-TN90/15 ..... 01 p0006 N91-10034 #
DOT/FAA/CT-TN90/16-PHASE-3 ..... 12 p1832 N91-20068 #
DOT/FAA/CT-TN90/21 ..... 01 p0005 N91-10029 #
DOT/FAA/CT-TN90/22 ..... 06 p0779 N91-14318 #
DOT/FAA/CT-TN90/23 ..... 01 p0005 N91-10028 #
DOT/FAA/CT-TN90/24 ..... 01 p0009 N91-10052 #
DOT/FAA/CT-TN90/25 ..... 14 p2190 N91-22096* #
DOT/FAA/CT-TN90/27 ..... 17 p2727 N91-25101 #
DOT/FAA/CT-TN90/28 ..... 13 p2043 N91-21238 #
DOT/FAA/CT-TN90/31 ..... 09 p1274 N91-17005 #
DOT/FAA/CT-TN90/32 ..... 24 p3988 N91-32284 #
DOT/FAA/CT-TN90/35 ..... 07 p0962 N91-15295 #
DOT/FAA/CT-TN90/38 ..... 06 p0854 N91-14713 #
DOT/FAA/CT-TN90/41 ..... 15 p2363 N91-23075 #
DOT/FAA/CT-TN90/42 ..... 01 p0014 N91-10084 #
DOT/FAA/CT-TN90/43 ..... 17 p2829 N91-25628 #
DOT/FAA/CT-TN90/44 ..... 06 p0857 N91-14728 #
DOT/FAA/CT-TN90/45 ..... 14 p2191 N91-22100 #
DOT/FAA/CT-TN90/46 ..... 09 p1383 N91-17609 #
DOT/FAA/CT-TN90/48 ..... 10 p1469 N91-18100 #
DOT/FAA/CT-TN90/48 ..... 15 p2369 N91-23106 #
DOT/FAA/CT-TN90/50 ..... 07 p0996 N91-15470 #
DOT/FAA/CT-TN90/51 ..... 12 p1924 N91-20587 #
DOT/FAA/CT-TN90/53 ..... 07 p0946 N91-15189 #
DOT/FAA/CT-TN90/54 ..... 10 p1470 N91-18106 #
DOT/FAA/CT-TN90/60 ..... 14 p2191 N91-22101 #
DOT/FAA/CT-TN90/62 ..... 12 p1880 N91-20337 #
DOT/FAA/CT-TN90/63 ..... 17 p2727 N91-25100 #
DOT/FAA/CT-TN91/3 ..... 17 p2737 N91-25153 #
DOT/FAA/CT-TN91/4 ..... 20 p3287 N91-28176 #
DOT/FAA/CT-TN91/6 ..... 24 p3988 N91-32282 #
DOT/FAA/CT-TN91/7 ..... 10 p1472 N91-18109 #
DOT/FAA/CT-TN91/9 ..... 19 p3149 N91-27403 #
DOT/FAA/CT-TN91/10 ..... 24 p3954 N91-32092 #
DOT/FAA/CT-TN91/13 ..... 22 p3616 N91-30116 #
DOT/FAA/CT-TN91/15 ..... 22 p3662 N91-30384 #
DOT/FAA/CT-TN91/16 ..... 19 p3146 N91-27389 #
DOT/FAA/CT-TN91/18 ..... 17 p2737 N91-25152 #
DOT/FAA/CT-TN91/20 ..... 23 p3855 N91-31495 #
DOT/FAA/CT-TN91/21 ..... 19 p3103 N91-27146 #
DOT/FAA/CT-TN91/24 ..... 24 p3988 N91-32283 #
DOT/FAA/CT-TN91/26 ..... 19 p3154 N91-27438 #
DOT/FAA/CT-TN91/29 ..... 22 p3615 N91-30113 #
DOT/FAA/CT-TN91/31 ..... 19 p3105 N91-27155 #
DOT/FAA/CT-TN91/33 ..... 23 p3855 N91-31494 #

DOT/FAA/CT-88/8-1-VOL-1 ..... 21 p3453 N91-29154 #
DOT/FAA/CT-88/8-2-VOL-2 ..... 21 p3453 N91-29155 #
DOT/FAA/CT-88/8-3-VOL-3 ..... 21 p3454 N91-29156 #
DOT/FAA/CT-89/31 ..... 06 p0778 N91-14317 #
DOT/FAA/CT-90 ..... 07 p1077 N91-15928 #
DOT/FAA/CT-90/1-VOL-2 ..... 01 p0006 N91-10033 #
DOT/FAA/CT-90/4 ..... 20 p3281 N91-28146 #
DOT/FAA/CT-90/9 ..... 02 p0179 N91-11015 #
DOT/FAA/CT-90/11 ..... 04 p0458 N91-12563 #
DOT/FAA/CT-90/13 ..... 13 p2022 N91-21122 #
DOT/FAA/CT-90/14 ..... 19 p3103 N91-27145 #
DOT/FAA/CT-90/15 ..... 10 p1469 N91-18102 #
DOT/FAA/CT-90/16 ..... 05 p0700 N91-13900 #
DOT/FAA/CT-90/19 ..... 10 p1472 N91-18112 #
DOT/FAA/CT-90/21 ..... 15 p2367 N91-23097 #
DOT/FAA/CT-90/29 ..... 10 p1515 N91-18340 #
DOT/FAA/CT-91/1 ..... 23 p3908 N91-31814 #
DOT/FAA/CT-91/2 ..... 12 p1831 N91-20064 #
DOT/FAA/CT-91/11 ..... 19 p3149 N91-27404 #
DOT/FAA/CT-91/12 ..... 18 p2976 N91-26433 #

DOT/FAA/DS-89/36 ..... 03 p0317 N91-11775 #

DOT/FAA/NR-90/1 ..... 08 p1129 N91-16206 #
DOT/FAA/NR-90/2 ..... 09 p1322 N91-17263 #
DOT/FAA/NR-90/3 ..... 04 p0549 N91-13047 #
DOT/FAA/NR-90/5 ..... 12 p1925 N91-20591 #
DOT/FAA/NR-90/6 ..... 09 p1323 N91-17264 #
DOT/FAA/NR-90/7 ..... 12 p1953 N91-20741 #
DOT/FAA/NR-91/3 ..... 14 p2255 N91-22473 #
DOT/FAA/NR-91/4 ..... 13 p2121 N91-21671 #

DOT/FAA/PS-88-17 ..... 19 p3151 N91-27419 #

DOT/FAA/RD-90-30 ..... 16 p2547 N91-24111 #

DOT/FAA/RD-90/8 ..... 09 p1275 N91-17010 #
DOT/FAA/RD-90/13 ..... 05 p0625 N91-13465 #
DOT/FAA/RD-90/16 ..... 08 p1091 N91-15989 #
DOT/FAA/RD-90/17 ..... 24 p3952 N91-32086 #
DOT/FAA/RD-90/23 ..... 11 p1651 N91-19102 #
DOT/FAA/RD-90/26 ..... 05 p0625 N91-13464 #
DOT/FAA/RD-90/28 ..... 18 p2929 N91-26160 #
DOT/FAA/RD-90/29 ..... 15 p2364 N91-23079 #
DOT/FAA/RD-90/31 ..... 18 p2929 N91-26161 #
DOT/FAA/RD-90/32-PHASE-1 ..... 09 p1285 N91-17065* #
DOT/FAA/RD-90/33 ..... 09 p1321 N91-17253 #
DOT/FAA/RD-90/34 ..... 06 p0779 N91-14320 #
DOT/FAA/RD-91/2-PT-1 ..... 16 p2555 N91-24166* #
DOT/FAA/RD-91/2-PT-2 ..... 16 p2551 N91-24140* #
DOT/FAA/RD-91/5 ..... 15 p2385 N91-23198 #
DOT/FAA/RD-91/7 ..... 15 p2373 N91-23134 #
DOT/FAA/RD-91/8 ..... 14 p2191 N91-22102* #
DOT/FAA/RD-91/8 ..... 19 p3104 N91-27147 #
DOT/FAA/RD-91/13 ..... 15 p2476 N91-23710 #
DOT/FAA/RD-91/14 ..... 24 p3952 N91-32088* #
DOT/FAA/RD-91/15-VOL-1 ..... 17 p2737 N91-25154 #
DOT/FAA/RD-91/16 ..... 21 p3462 N91-29198 #
DOT/FAA/RD-91/17 ..... 19 p3149 N91-27402* #
DOT/FAA/RD-91/21 ..... 24 p3954 N91-32093 #

DOT/FAA/SE-91/1 ..... 16 p2557 N91-24185 #
DOT/FAA/SE-91/2 ..... 22 p3616 N91-30117 #

DOT/FRA/ORD-90/06 ..... 09 p1351 N91-17419 #
DOT/FRA/ORD-90/07 ..... 02 p0202 N91-11132 #
DOT/FRA/ORD-90/09 ..... 11 p1693 N91-19326 #

DP-MS-88-169 ..... 04 p0545 N91-13024 #

DR-5-3 ..... 18 p2936 N91-26195* #

DRD-SE-1299-T ..... 04 p0517 N91-12874* #

DRE-179 ..... 23 p3853 N91-31484

DREA-CR-88-411 ..... 22 p3654 N91-30336
DREA-CR-88-421 ..... 23 p3817 N91-31295
DREA-CR-88-441-PT-5 ..... 22 p3654 N91-30337
DREA-CR-89-413 ..... 22 p3694 N91-30564

DREA-TM-90/204 ..... 12 p1954 N91-20747 #
DREA-TM-90/208 ..... 15 p2406 N91-23325 #
DREA-TM-91/201-REV ..... 16 p2670 N91-24777 #

DREA-89-213 ..... 22 p3654 N91-30335
DREA-89-225 ..... 22 p3612 N91-30091

DREO-TN-90-13 ..... 12 p1884 N91-20356 #
DREO-TN-90-16 ..... 12 p1953 N91-20742 #
DREO-TN-90-17 ..... 16 p2618 N91-24493 #
DREO-TN-90-20 ..... 13 p2072 N91-21413 #
DREO-TN-90-25 ..... 18 p2972 N91-26408 #
DREO-TN-90-33 ..... 16 p2670 N91-24778 #

DREO-W7714-8-5620 ..... 23 p3853 N91-31483

DREO-89-7 ..... 22 p3663 N91-30391
DREO-1038 ..... 12 p1990 N91-20950 #
DREO-1039 ..... 09 p1322 N91-17262 #
DREO-1041 ..... 13 p2077 N91-21443 #
DREO-1047 ..... 13 p2136 N91-21763 #
DREO-1049 ..... 15 p2414 N91-23367 #
DREO-1056 ..... 15 p2415 N91-23378 #
DREO-1063 ..... 16 p2621 N91-24513 #
DREO-1067 ..... 16 p2679 N91-24829 #
DREO-1073 ..... 21 p3499 N91-29418 #

DREP-TM-88-19 ..... 22 p3707 N91-30633
DREP-TM-88-21 ..... 22 p3707 N91-30632

DREP-89-06 ..... 22 p3645 N91-30283
DREP-89-07 ..... 22 p3645 N91-30284
DREP-89-20 ..... 22 p3750 N91-30905
DREP-89-32 ..... 22 p3651 N91-30316
DREP-89-41 ..... 22 p3750 N91-30904

DRES-SM-1348 ..... 13 p2084 N91-21483 #
DRES-SM-1351 ..... 16 p2676 N91-24811 #

DRES/SUFFIELD-532 ..... 03 p0388 N91-12162 #

DREV-4559-89 ..... 22 p3707 N91-30631

DRI-4-90 ..... 08 p1104 N91-16061 #

DRIC-BR-114135 ..... 04 p0579 N91-13228 #
DRIC-BR-301039 ..... 20 p3341 N91-28504 #
DRIC-BR-301751 ..... 21 p3482 N91-29316 #

DSP-502 ..... 14 p2256 N91-22476 #

DTIC/TR-89/21-VOL-1 ..... 13 p2169 N91-21971 #
DTIC/TR-89/21-VOL-2 ..... 13 p2169 N91-21972 #
DTIC/TR-90/1 ..... 20 p3437 N91-29072 #
DTIC/TR-90/3-VOL-1 ..... 13 p2169 N91-21971 #
DTIC/TR-90/3-VOL-2 ..... 13 p2169 N91-21972 #
DTIC/TR-91-1-PT-1 ..... 13 p2169 N91-21969 #
DTIC/TR-91/2 ..... 20 p3437 N91-29072 #

DTICH-4185.7 ..... 04 p0606 N91-13370 #

DTP-89/29 ..... 08 p1212 N91-16671 #
DTP-91/19 ..... 20 p3391 N91-28793 #

DTP/90/36 ..... 09 p1395 N91-17675 #
DTP/90/46 ..... 09 p1395 N91-17676 #
DTP/90/58 ..... 10 p1593 N91-18788 #
DTP/90/62 ..... 10 p1593 N91-18790 #

DTRC-SME-89/102 ..... 03 p0422 N91-12359 #
DTRC-SME-90/18 ..... 04 p0537 N91-12976 #
DTRC-SME-90/74 ..... 12 p1862 N91-20230 #

DTRC-SR-1309 ..... 18 p3017 N91-26660 #

DTRC-90/014 ..... 07 p0994 N91-15454 #
DTRC-90/016 ..... 05 p0657 N91-13646 #
DTRC-90/019 ..... 03 p0415 N91-12319 #
DTRC-90/022 ..... 04 p0579 N91-13225 #
DTRC-90/025 ..... 11 p1696 N91-19342 #
DTRC-90/029 ..... 08 p1219 N91-16709 #
DTRC-90/031 ..... 22 p3761 N91-30968 #
DTRC-90/036 ..... 12 p1913 N91-20522 #
DTRC-90/038 ..... 14 p2263 N91-22521 #
DTRC-91/006 ..... 18 p2983 N91-26469 #

DTRC/CISD-90/02 ..... 15 p2489 N91-23781 #

DTRC/CMLD-90/014 ..... 21 p3514 N91-29513 #

DTRC/PAS-90/45 ..... 04 p0522 N91-12909 #

DTRC/SME-CR-05/91 ..... 19 p3179 N91-27580 #
DTRC/SME-CR-10-89 ..... 04 p0510 N91-12831 #

DTRC/SME-89/79 ..... 12 p1869 N91-20270 #
DTRC/SME-90-28 ..... 07 p0969 N91-15321 #
DTRC/SME-90/20 ..... 01 p0021 N91-10124 #
DTRC/SME-90/54 ..... 05 p0636 N91-13523 #
DTRC/SME-90/92 ..... 16 p2589 N91-24349 #
DTRC/SME-91/01 ..... 19 p3138 N91-27340 #
DTRC/SME-91/05 ..... 18 p3000 N91-26568 #
DTRC/SME-91/12 ..... 19 p3118 N91-27227 #
DTRC/SME-91/15 ..... 19 p3119 N91-27232 #

DTVI-26 ..... 17 p2771 N91-25334* #

DU/DC/TR-18 ..... 15 p2518 N91-23956 #
DU/DC/TR-19 ..... 18 p3068 N91-26949 #
DU/DC/TR-20 ..... 19 p3127 N91-27279 #

DYNL-89-01 ..... 19 p3177 N91-27568 #

D6-44238-5 ..... 07 p0946 N91-15188* #
D6-53878 ..... 05 p0617 N91-13424* #
D6-54961 ..... 16 p2551 N91-24139* #
D6-55699-1-PHASE-2 ..... 18 p2923 N91-26126* #
D180-32598-1 ..... 07 p0962 N91-15297* #
D180-32725-2 ..... 24 p3979 N91-32231* #
D180-32816-1 ..... 16 p2566 N91-24227* #
D615-10009 ..... 06 p0788 N91-14358* #
D615-10014 ..... 15 p2385 N91-23200* #
D615-10031-1 ..... 22 p3626 N91-30175* #
D845-1990-1 ..... 17 p2916 N91-26099* #

E-1499-PT-1 ..... 01 p0025 N91-10149* #
E-3612 ..... 19 p3117 N91-27224* #
E-3758 ..... 22 p3688 N91-30531* #
E-4137 ..... 01 p0011 N91-10065* #
E-4263-PT-2 ..... 01 p0025 N91-10150* #
E-4407 ..... 01 p0020 N91-10117* #
E-4628 ..... 16 p2561 N91-24307* #
E-4658 ..... 02 p0145 N91-10849* #
E-4720 ..... 01 p0022 N91-10127* #
E-4824 ..... 17 p2744 N91-25186* #
E-4998 ..... 06 p0824 N91-14556* #
E-4999 ..... 18 p2984 N91-26479* #
E-5000 ..... 11 p1702 N91-19373* #
E-5019 ..... 17 p2790 N91-25436* #
E-5044 ..... 06 p0828 N91-14574* #
E-5097 ..... 23 p3803 N91-31208* #
E-5176 ..... 13 p2034 N91-21185* #
E-5233-1-PT-1 ..... 24 p4017 N91-32458* #
E-5268 ..... 04 p0533 N91-12956* #
E-5296 ..... 13 p2012 N91-21062* #
E-5305 ..... 04 p0532 N91-12954* #
E-5316 ..... 04 p0523 N91-12913* #

E-5325 ..... 16 p2613 N91-24464* #
E-5338 ..... 16 p2549 N91-24124* #
E-5352 ..... 01 p0135 N91-10798* #
E-5418 ..... 14 p2252 N91-22460* #
E-5439 ..... 09 p1274 N91-17002* #
E-5480 ..... 07 p1063 N91-15848* #
E-5507-1 ..... 01 p0045 N91-10271* #
E-5511 ..... 11 p1721 N91-19473* #
E-5512 ..... 14 p2278 N91-22601* #
E-5526 ..... 11 p1642 N91-19057* #
E-5541 ..... 06 p0802 N91-14426* #
E-5542 ..... 07 p0967 N91-15308* #
E-5544 ..... 03 p0324 N91-11800* #
E-5563 ..... 03 p0301 N91-11675* #
E-5579 ..... 11 p1666 N91-19180* #
E-5583 ..... 15 p2381 N91-23179* #
E-5586 ..... 03 p0323 N91-11798* #
E-5588 ..... 11 p1654 N91-19115* #
E-5592 ..... 09 p1348 N91-17407* #
E-5596 ..... 07 p0982 N91-15390* #
E-5601 ..... 12 p1869 N91-20268* #
E-5602 ..... 13 p2045 N91-21252* #
E-5614 ..... 07 p1013 N91-15565* #
E-5625 ..... 08 p1145 N91-16304* #
E-5627 ..... 03 p0324 N91-11802* #
E-5630 ..... 03 p0323 N91-11799* #
E-5631 ..... 03 p0343 N91-11922* #
E-5642 ..... 10 p1508 N91-18297* #
E-5643 ..... 01 p0020 N91-10118* #
E-5646 ..... 07 p0971 N91-15329* #
E-5648 ..... 14 p2271 N91-22566* #
E-5649 ..... 14 p2195 N91-22126* #
E-5651-1 ..... 15 p2441 N91-23521* #
E-5652 ..... 12 p1858 N91-20206* #
E-5654 ..... 11 p1665 N91-19178* #
E-5657 ..... 03 p0316 N91-11770* #
E-5660 ..... 20 p3280 N91-28136* #
E-5661 ..... 02 p0192 N91-11074* #
E-5663 ..... 08 p1213 N91-16679* #
E-5664 ..... 13 p2112 N91-21625* #
E-5669 ..... 09 p1350 N91-17415* #
E-5671 ..... 08 p1106 N91-16075* #
E-5674 ..... 01 p0056 N91-10332* #
E-5679 ..... 02 p0190 N91-11062* #
E-5680 ..... 03 p0301 N91-11676* #
E-5688 ..... 11 p1708 N91-19404* #
E-5689 ..... 13 p2078 N91-21447* #
E-5690 ..... 13 p2020 N91-21116* #
E-5696 ..... 05 p0655 N91-13638* #
E-5702 ..... 06 p0812 N91-14482* #
E-5704 ..... 03 p0363 N91-12034* #
E-5705 ..... 11 p1698 N91-19351* #
E-5707 ..... 06 p0785 N91-14349* #
E-5709 ..... 02 p0189 N91-11058* #
E-5714 ..... 11 p1694 N91-19332* #
E-5715 ..... 06 p0825 N91-14559* #
E-5716 ..... 11 p1714 N91-19435* #
E-5717 ..... 02 p0266 N91-11493* #
E-5718 ..... 05 p0672 N91-13737* #
E-5719 ..... 02 p0216 N91-11205* #
E-5722 ..... 13 p2094 N91-21531* #
E-5723 ..... 07 p0965 N91-15301* #
E-5724 ..... 02 p0189 N91-11059* #
E-5725 ..... 03 p0378 N91-12114* #
E-5726 ..... 03 p0313 N91-11752* #
E-5728 ..... 11 p1666 N91-19182* #
E-5731 ..... 02 p0267 N91-11494* #
E-5732 ..... 01 p0119 N91-10703* #
E-5737 ..... 01 p0035 N91-10208* #
E-5738 ..... 07 p1025 N91-15628* #
E-5739 ..... 02 p0190 N91-11061* #
E-5740 ..... 03 p0325 N91-11806* #
E-5741 ..... 07 p0944 N91-15174* #
E-5743 ..... 01 p0132 N91-10780* #
E-5745 ..... 05 p0725 N91-14050* #
E-5746 ..... 20 p3362 N91-28622* #
E-5747 ..... 03 p0399 N91-12215* #
E-5750 ..... 03 p0324 N91-11801* #
E-5753 ..... 01 p0042 N91-10249* #
E-5754 ..... 11 p1791 N91-19825* #
E-5758 ..... 03 p0356 N91-11988* #
E-5759-1 ..... 11 p1702 N91-19372* #
E-5765 ..... 07 p0987 N91-15418* #
E-5768 ..... 20 p3363 N91-28627* #
E-5769 ..... 07 p0969 N91-15318* #
E-5774 ..... 11 p1642 N91-19059* #
E-5775 ..... 03 p0323 N91-11796* #
E-5776 ..... 07 p0966 N91-15306* #
E-5778 ..... 17 p2746 N91-25195* #
E-5779 ..... 03 p0323 N91-11797* #
E-5780 ..... 11 p1715 N91-19442* #
E-5781 ..... 01 p0023 N91-10134* #
E-5783 ..... 06 p0931 N91-15117* #
E-5791 ..... 02 p0213 N91-11192* #
E-5792 ..... 06 p0817 N91-14511* #
E-5794 ..... 11 p1721 N91-19477* #
E-5795 ..... 02 p0267 N91-11495* #
E-5797 ..... 03 p0414 N91-12317* #
E-5798 ..... 06 p0865 N91-14781* #
E-5799 ..... 03 p0348 N91-11945* #
E-5800 ..... 12 p1843 N91-20133* #
E-5801 ..... 06 p0815 N91-14500* #
E-5803 ..... 07 p0939 N91-15146* #
E-5805 ..... 03 p0414 N91-12316* #
E-5809 ..... 07 p1062 N91-15842* #
E-5811 ..... 19 p3163 N91-27489* #
E-5813 ..... 09 p1301 N91-17143* #
E-5814 ..... 06 p0838 N91-14632* #
E-5817 ..... 02 p0189 N91-11060* #
E-5818 ..... 03 p0313 N91-11753* #
E-5821 ..... 05 p0623 N91-13455* #
E-5823 ..... 05 p0767 N91-14259* #
E-5824 ..... 11 p1714 N91-19438* #
E-5825 ..... 05 p0631 N91-13495* #
E-5826 ..... 05 p0630 N91-13491* #
E-5827 ..... 10 p1535 N91-18452* #
E-5828 ..... 03 p0368 N91-12064* #
E-5829 ..... 06 p0807 N91-14454* #
E-5830 ..... 11 p1641 N91-19053* #
E-5832 ..... 07 p1019 N91-15598* #
E-5834 ..... 11 p1675 N91-19234* #
E-5835 ..... 13 p2043 N91-21240* #
E-5838 ..... 14 p2198 N91-22139* #
E-5840 ..... 05 p0623 N91-13456* #
E-5841 ..... 12 p1858 N91-20204* #
E-5842 ..... 11 p1719 N91-19463* #
E-5845 ..... 06 p0873 N91-14829* #
E-5847 ..... 11 p1666 N91-19179* #
E-5848 ..... 01 p0020 N91-10119* #
E-5849 ..... 11 p1655 N91-19117* #
E-5854 ..... 11 p1707 N91-19402* #
E-5856 ..... 04 p0537 N91-12980* #
E-5857 ..... 14 p2236 N91-22371* #
E-5860 ..... 11 p1701 N91-19370* #
E-5862 ..... 15 p2439 N91-23512* #
E-5865 ..... 11 p1714 N91-19439* #
E-5871 ..... 11 p1693 N91-19324* #
E-5872 ..... 11 p1687 N91-19296* #
E-5873 ..... 11 p1679 N91-19256* #
E-5874 ..... 07 p0970 N91-15328* #
E-5876 ..... 11 p1676 N91-19236* #
E-5877 ..... 11 p1676 N91-19237* #
E-5883 ..... 12 p1954 N91-20748* #
E-5884 ..... 11 p1697 N91-19348* #
E-5885 ..... 11 p1701 N91-19369* #
E-5886 ..... 11 p1698 N91-19350* #
E-5887 ..... 12 p1835 N91-20084* #
E-5890 ..... 11 p1693 N91-19325* #
E-5891 ..... 09 p1352 N91-17427* #
E-5892 ..... 11 p1707 N91-19401* #
E-5893 ..... 11 p1675 N91-19231* #
E-5895 ..... 13 p2025 N91-21137* #
E-5896 ..... 11 p1640 N91-19044* #
E-5897 ..... 11 p1720 N91-19472* #
E-5898 ..... 11 p1675 N91-19230* #
E-5899 ..... 11 p1674 N91-19229* #
E-5901 ..... 05 p0623 N91-13457* #
E-5903 ..... 11 p1686 N91-19292* #
E-5904 ..... 12 p1862 N91-20228* #
E-5905 ..... 20 p3303 N91-28278* #
E-5906 ..... 11 p1640 N91-19045* #
E-5907 ..... 13 p2044 N91-21243* #
E-5908 ..... 05 p0616 N91-13420* #
E-5909 ..... 11 p1650 N91-19098* #
E-5910 ..... 17 p2785 N91-25411* #
E-5911 ..... 09 p1273 N91-17000* #
E-5912 ..... 11 p1640 N91-19046* #
E-5913 ..... 13 p2054 N91-21302* #
E-5916 ..... 13 p2095 N91-21534* #
E-5917 ..... 19 p3154 N91-27436* #
E-5918 ..... 12 p1890 N91-20392* #
E-5919 ..... 12 p1906 N91-20489* #
E-5920 ..... 11 p1653 N91-19112* #
E-5921 ..... 12 p1890 N91-20393* #
E-5922 ..... 11 p1698 N91-19349* #
E-5923 ..... 11 p1702 N91-19376* #
E-5924 ..... 11 p1640 N91-19047* #
E-5925 ..... 07 p0965 N91-15303* #
E-5926 ..... 22 p3690 N91-30546* #
E-5927 ..... 12 p1892 N91-20406* #
E-5928 ..... 06 p0777 N91-14310* #
E-5929 ..... 11 p1722 N91-19479* #
E-5930 ..... 05 p0617 N91-13421* #
E-5931 ..... 11 p1702 N91-19371* #
E-5932 ..... 11 p1686 N91-19293* #
E-5933 ..... 16 p2546 N91-24107* #
E-5935 ..... 06 p0777 N91-14309* #
E-5937 ..... 07 p0937 N91-15134* #
E-5938 ..... 12 p1828 N91-20044* #
E-5940 ..... 11 p1707 N91-19403* #
E-5941 ..... 13 p2100 N91-21559* #
E-5942 ..... 14 p2271 N91-22567* #

E-5943 ..... 11 p1687 N91-19294* #
E-5946 ..... 11 p1675 N91-19232* #
E-5948 ..... 11 p1665 N91-19176* #
E-5949 ..... 11 p1715 N91-19441* #
E-5950 ..... 14 p2236 N91-22370* #
E-5951 ..... 12 p1901 N91-20453* #
E-5952 ..... 12 p1894 N91-20417* #
E-5953 ..... 12 p1828 N91-20045* #
E-5954 ..... 12 p1835 N91-20086* #
E-5955 ..... 11 p1675 N91-19233* #
E-5956 ..... 12 p1899 N91-20445* #
E-5957 ..... 21 p3471 N91-29250* #
E-5959 ..... 14 p2243 N91-22410* #
E-5960 ..... 11 p1702 N91-19374* #
E-5961 ..... 08 p1115 N91-16128* #
E-5962 ..... 11 p1822 N91-20015* #
E-5963 ..... 13 p2042 N91-21233* #
E-5964 ..... 11 p1691 N91-19317* #
E-5966 ..... 11 p1665 N91-19177* #
E-5969 ..... 14 p2253 N91-22464* #
E-5971 ..... 14 p2241 N91-22402* #
E-5973 ..... 11 p1663 N91-19165* #
E-5974 ..... 18 p3005 N91-26592* #
E-5975 ..... 12 p1842 N91-20126* #
E-5979 ..... 18 p2943 N91-26233* #
E-5983 ..... 15 p2404 N91-23311* #
E-5984 ..... 13 p2011 N91-21060* #
E-5985 ..... 12 p1890 N91-20394* #
E-5986 ..... 11 p1675 N91-19235* #
E-5987 ..... 15 p2446 N91-23549* #
E-5988 ..... 11 p1701 N91-19367* #
E-5989 ..... 11 p1784 N91-19786* #
E-5990 ..... 14 p2238 N91-22379* #
E-5991 ..... 11 p1721 N91-19475* #
E-5994 ..... 14 p2234 N91-22358* #
E-5996 ..... 22 p3651 N91-30318* #
E-5997 ..... 11 p1642 N91-19054* #
E-6000 ..... 13 p2160 N91-21910* #
E-6001 ..... 14 p2238 N91-22377* #
E-6002 ..... 13 p2101 N91-21562* #
E-6003 ..... 11 p1718 N91-19462* #
E-6004 ..... 21 p3528 N91-29599* #
E-6005 ..... 21 p3608 N91-30073* #
E-6006 ..... 11 p1687 N91-19295* #
E-6008 ..... 12 p1853 N91-20184* #
E-6012 ..... 19 p3162 N91-27487* #
E-6013 ..... 15 p2382 N91-23183* #
E-6015 ..... 11 p1715 N91-19443* #
E-6017 ..... 19 p3122 N91-27247* #
E-6018 ..... 22 p3676 N91-30468* #
E-6020 ..... 19 p3178 N91-27570* #
E-6021-VOL-1 ..... 11 p1641 N91-19049* #
E-6022 ..... 19 p3135 N91-27324* #
E-6023 ..... 11 p1719 N91-19464* #
E-6024 ..... 11 p1698 N91-19354* #
E-6025 ..... 13 p2076 N91-21433* #
E-6026 ..... 11 p1642 N91-19056* #
E-6027 ..... 11 p1689 N91-19308* #
E-6028 ..... 17 p2830 N91-25630* #
E-6029 ..... 13 p2055 N91-21309* #
E-6031 ..... 13 p2078 N91-21448* #
E-6034 ..... 11 p1665 N91-19175* #
E-6035 ..... 12 p1841 N91-20122* #
E-6039 ..... 16 p2677 N91-24817* #
E-6040-1 ..... 18 p3055 N91-26872* #
E-6041 ..... 11 p1650 N91-19097* #
E-6042 ..... 13 p2066 N91-21378* #
E-6043 ..... 22 p3689 N91-30539* #
E-6044 ..... 14 p2271 N91-22568* #
E-6045-1-PT-2 ..... 24 p4017 N91-32459* #
E-6049 ..... 11 p1643 N91-19063* #
E-6050 ..... 13 p2011 N91-21061* #
E-6053 ..... 13 p2080 N91-21458* #
E-6054 ..... 18 p2943 N91-26234* #
E-6055 ..... 11 p1702 N91-19375* #
E-6057 ..... 13 p2100 N91-21558* #
E-6058 ..... 15 p2410 N91-23347* #
E-6060 ..... 11 p1674 N91-19224* #
E-6061 ..... 11 p1780 N91-19766* #
E-6064 ..... 13 p2099 N91-21553* #
E-6065 ..... 11 p1692 N91-19320* #
E-6066 ..... 12 p1969 N91-20830* #
E-6067 ..... 16 p2677 N91-24818* #
E-6069 ..... 11 p1809 N91-19935* #
E-6070 ..... 13 p2143 N91-21797* #
E-6071 ..... 11 p1721 N91-19476* #
E-6076 ..... 12 p1871 N91-20284* #
E-6079 ..... 16 p2566 N91-24224* #
E-6081 ..... 13 p2025 N91-21138* #
E-6082 ..... 15 p2439 N91-23515* #
E-6085 ..... 15 p2439 N91-23513* #
E-6086 ..... 19 p3176 N91-27558* #
E-6089 ..... 24 p4036 N91-32549* #
E-6091 ..... 24 p3949 N91-32074* #
E-6093 ..... 15 p2421 N91-23409* #
E-6094 ..... 14 p2241 N91-22396* #
E-6095 ..... 12 p1878 N91-20324* #
E-6098 ..... 23 p3797 N91-31178* #
E-6100 ..... 13 p2033 N91-21182* #
E-6103 ..... 14 p2235 N91-22367* #
E-6106 ..... 14 p2266 N91-22536* #
E-6107 ..... 13 p2034 N91-21184* #
E-6113 ..... 13 p2025 N91-21140* #
E-6115 ..... 17 p2761 N91-25286* #
E-6116 ..... 15 p2426 N91-23439* #
E-6117 ..... 22 p3677 N91-30476* #
E-6118 ..... 17 p2837 N91-25680* #
E-6119 ..... 14 p2279 N91-22604* #
E-6120 ..... 24 p3971 N91-32181* #
E-6122 ..... 12 p1957 N91-20765* #
E-6125 ..... 19 p3106 N91-27159* #
E-6129 ..... 19 p3114 N91-27204* #
E-6131 ..... 16 p2560 N91-24201* #
E-6133 ..... 15 p2409 N91-23340* #
E-6136 ..... 15 p2382 N91-23184* #
E-6138 ..... 14 p2188 N91-22084* #
E-6140 ..... 15 p2393 N91-23247* #
E-6142 ..... 16 p2648 N91-24660* #
E-6143 ..... 17 p2746 N91-25194* #
E-6144 ..... 17 p2782 N91-25395* #
E-6148 ..... 15 p2437 N91-23501* #
E-6149 ..... 13 p2020 N91-21115* #
E-6155 ..... 20 p3302 N91-28277* #
E-6157 ..... 15 p2439 N91-23514* #
E-6158 ..... 15 p2365 N91-23086* #
E-6159 ..... 15 p2367 N91-23098* #
E-6160 ..... 17 p2742 N91-25175* #
E-6161 ..... 22 p3631 N91-30203* #
E-6162 ..... 16 p2589 N91-24345* #
E-6164 ..... 15 p2365 N91-23087* #
E-6165 ..... 16 p2623 N91-24527* #
E-6166-PT-2 ..... 14 p2272 N91-22571* #
E-6167 ..... 14 p2277 N91-22594* #
E-6169 ..... 15 p2422 N91-23416* #
E-6170 ..... 14 p2264 N91-22524* #
E-6171 ..... 14 p2258 N91-22494* #
E-6174 ..... 16 p2591 N91-24360* #
E-6175 ..... 15 p2391 N91-23234* #
E-6177 ..... 16 p2566 N91-24225* #
E-6179 ..... 16 p2673 N91-24796* #
E-6181 ..... 14 p2261 N91-22508* #
E-6183 ..... 24 p4030 N91-32520* #
E-6184 ..... 15 p2446 N91-23548* #
E-6185 ..... 14 p2310 N91-22766* #
E-6186 ..... 16 p2580 N91-24302* #
E-6188 ..... 16 p2566 N91-24226* #
E-6191 ..... 15 p2391 N91-23233* #
E-6192 ..... 14 p2237 N91-22376* #
E-6193 ..... 14 p2237 N91-22375* #
E-6197 ..... 15 p2437 N91-23500* #
E-6200 ..... 15 p2368 N91-23102* #
E-6201 ..... 17 p2747 N91-25198* #
E-6206 ..... 14 p2197 N91-22135* #
E-6207 ..... 15 p2412 N91-23354* #
E-6208 ..... 17 p2742 N91-25173* #
E-6210 ..... 23 p3880 N91-31648* #
E-6211 ..... 22 p3688 N91-30533* #
E-6212 ..... 19 p3176 N91-27559* #
E-6214 ..... 14 p2272 N91-22570* #
E-6216 ..... 16 p2568 N91-24232* #
E-6217 ..... 14 p2337 N91-22921* #
E-6220 ..... 15 p2446 N91-23550* #
E-6224 ..... 15 p2458 N91-23620* #
E-6226 ..... 15 p2364 N91-23083* #
E-6227 ..... 14 p2320 N91-22814* #
E-6230 ..... 15 p2457 N91-23616* #
E-6232 ..... 16 p2627 N91-24550* #
E-6233 ..... 15 p2365 N91-23089* #
E-6234 ..... 22 p3675 N91-30461* #
E-6235 ..... 16 p2611 N91-24460* #
E-6237 ..... 15 p2516 N91-23946* #
E-6238 ..... 15 p2382 N91-23185* #
E-6239 ..... 16 p2561 N91-24202* #
E-6241 ..... 16 p2623 N91-24525* #
E-6243 ..... 18 p2922 N91-26121* #
E-6244 ..... 21 p3516 N91-29525* #
E-6245 ..... 16 p2636 N91-24593* #
E-6246 ..... 18 p2987 N91-26490* #
E-6247 ..... 17 p2739 N91-25161* #
E-6248 ..... 16 p2591 N91-24361* #
E-6249 ..... 17 p2763 N91-25300* #
E-6251 ..... 19 p3167 N91-27511* #
E-6252 ..... 19 p3185 N91-27613* #
E-6253 ..... 23 p3917 N91-31876* #
E-6254 ..... 15 p2382 N91-23186* #
E-6255 ..... 16 p2613 N91-24469* #
E-6256 ..... 16 p2561 N91-24203* #
E-6258 ..... 19 p3114 N91-27208* #
E-6259 ..... 22 p3676 N91-30469* #
E-6261 ..... 17 p2728 N91-25106* #
E-6262 ..... 16 p2581 N91-24305* #
E-6265 ..... 17 p2860 N91-25817* #

E-6267 ..... 19 p3173 N91-27546* #
E-6268 ..... 15 p2386 N91-23205* #
E-6269 ..... 16 p2624 N91-24528* #
E-6270 ..... 16 p2627 N91-24548* #
E-6271 ..... 17 p2840 N91-25696* #
E-6272 ..... 22 p3667 N91-30418* #
E-6273 ..... 17 p2768 N91-25320* #
E-6275 ..... 16 p2550 N91-24131* #
E-6276 ..... 16 p2581 N91-24306* #
E-6278 ..... 16 p2626 N91-24541* #
E-6279 ..... 23 p3797 N91-31181* #
E-6280 ..... 16 p2588 N91-24341* #
E-6282 ..... 19 p3178 N91-27575* #
E-6283 ..... 16 p2614 N91-24470* #
E-6284 ..... 16 p2627 N91-24547* #
E-6285 ..... 16 p2648 N91-24659* #
E-6286 ..... 16 p2665 N91-24745* #
E-6288 ..... 17 p2736 N91-25148* #
E-6289 ..... 17 p2744 N91-25183* #
E-6290 ..... 18 p2922 N91-26122* #
E-6292 ..... 17 p2849 N91-25749* #
E-6293 ..... 17 p2847 N91-25739* #
E-6294 ..... 16 p2700 N91-24952* #
E-6295 ..... 17 p2779 N91-25381* #
E-6296 ..... 17 p2743 N91-25179* #
E-6297 ..... 16 p2581 N91-24304* #
E-6299 ..... 17 p2774 N91-25351* #
E-6300 ..... 17 p2741 N91-25172* #
E-6301 ..... 17 p2743 N91-25182* #
E-6302 ..... 19 p3237 N91-27901* #
E-6303 ..... 16 p2627 N91-24549* #
E-6304 ..... 16 p2672 N91-24787* #
E-6306 ..... 16 p2591 N91-24359* #
E-6308 ..... 24 p3981 N91-32237* #
E-6309 ..... 17 p2785 N91-25413* #
E-6313 ..... 18 p2926 N91-26146* #
E-6315 ..... 19 p3161 N91-27477* #
E-6317 ..... 22 p3689 N91-30538* #
E-6318 ..... 16 p2550 N91-24130* #
E-6319 ..... 23 p3807 N91-31235* #
E-6320 ..... 16 p2580 N91-24303* #
E-6321 ..... 17 p2785 N91-25412* #
E-6323 ..... 17 p2739 N91-25159* #
E-6326 ..... 23 p3881 N91-31654* #
E-6327 ..... 17 p2779 N91-25382* #
E-6329 ..... 17 p2780 N91-25387* #
E-6330 ..... 16 p2677 N91-24815* #
E-6331 ..... 19 p3115 N91-27209* #
E-6332 ..... 17 p2744 N91-25184* #
E-6334 ..... 17 p2806 N91-25510* #
E-6335 ..... 22 p3641 N91-30265* #
E-6337 ..... 21 p3468 N91-29235* #
E-6344 ..... 19 p3117 N91-27221* #
E-6348 ..... 18 p3055 N91-26870* #
E-6349 ..... 21 p3528 N91-29600* #
E-6352 ..... 17 p2791 N91-25442* #
E-6353 ..... 19 p3177 N91-27569* #
E-6355 ..... 22 p3644 N91-30282* #
E-6356 ..... 19 p3100 N91-27129* #
E-6358 ..... 19 p3154 N91-27437* #
E-6359 ..... 21 p3466 N91-29221* #
E-6361 ..... 19 p3167 N91-27510* #
E-6362 ..... 21 p3497 N91-29405* #
E-6365 ..... 19 p3114 N91-27207* #
E-6366 ..... 23 p3804 N91-31218* #
E-6370 ..... 24 p3970 N91-32177* #
E-6373 ..... 22 p3669 N91-30427* #
E-6375 ..... 19 p3156 N91-27447* #
E-6376 ..... 19 p3185 N91-27611* #
E-6377 ..... 19 p3156 N91-27446* #
E-6378 ..... 18 p2938 N91-26202* #
E-6379 ..... 19 p3116 N91-27214* #
E-6380 ..... 19 p3115 N91-27211* #
E-6381 ..... 24 p4039 N91-32569* #
E-6383 ..... 22 p3627 N91-30186* #
E-6384 ..... 19 p3114 N91-27206* #
E-6386 ..... 19 p3144 N91-27375* #
E-6387 ..... 19 p3156 N91-27444* #
E-6389 ..... 19 p3181 N91-27591* #
E-6390 ..... 21 p3530 N91-29610* #
E-6392 ..... 19 p3107 N91-27165* #
E-6395 ..... 19 p3169 N91-27521* #
E-6396 ..... 19 p3107 N91-27164* #
E-6401 ..... 19 p3115 N91-27212* #
E-6403 ..... 22 p3745 N91-30867* #
E-6404 ..... 22 p3770 N91-31023* #
E-6406 ..... 19 p3235 N91-27886* #
E-6408 ..... 22 p3631 N91-30202* #
E-6409 ..... 23 p3804 N91-31216* #
E-6410 ..... 22 p3677 N91-30473* #
E-6414 ..... 23 p3804 N91-31220* #
E-6416 ..... 19 p3156 N91-27445* #
E-6419 ..... 21 p3467 N91-29229* #
E-6420 ..... 24 p3966 N91-32158* #
E-6423 ..... 19 p3105 N91-27157* #
E-6425 ..... 19 p3116 N91-27217* #
E-6426 ..... 22 p3630 N91-30201* #
E-6427 ..... 19 p3116 N91-27215* #
E-6430 ..... 22 p3639 N91-30252* #
E-6433 ..... 22 p3689 N91-30537* #
E-6435 ..... 19 p3107 N91-27167* #
E-6437 ..... 24 p3967 N91-32164* #
E-6438 ..... 23 p3803 N91-31212* #
E-6440 ..... 21 p3567 N91-29832* #
E-6441 ..... 22 p3621 N91-30142* #
E-6442 ..... 21 p3468 N91-29231* #
E-6444 ..... 20 p3389 N91-28776* #
E-6446 ..... 19 p3115 N91-27213* #
E-6449 ..... 22 p3675 N91-30462* #
E-6452 ..... 21 p3460 N91-29188* #
E-6453 ..... 20 p3359 N91-28605* #
E-6454 ..... 23 p3873 N91-31605* #
E-6457 ..... 22 p3644 N91-30281* #
E-6458 ..... 21 p3501 N91-29431* #
E-6459 ..... 22 p3694 N91-30566* #
E-6461 ..... 21 p3452 N91-29150* #
E-6463 ..... 21 p3467 N91-29228* #
E-6464 ..... 21 p3479 N91-29298* #
E-6465 ..... 24 p4123 N91-33046* #
E-6468 ..... 22 p3680 N91-30491* #
E-6469 ..... 21 p3462 N91-29199* #
E-6470 ..... 22 p3679 N91-30489* #
E-6471 ..... 21 p3458 N91-29230* #
E-6472 ..... 21 p3458 N91-29181* #
E-6473 ..... 22 p3677 N91-30472* #
E-6474 ..... 22 p3727 N91-30743* #
E-6475 ..... 21 p3485 N91-29332* #
E-6476 ..... 22 p3744 N91-30865* #
E-6477 ..... 22 p3693 N91-30562* #
E-6478 ..... 21 p3459 N91-29187* #
E-6479 ..... 22 p3668 N91-30426* #
E-6480 ..... 21 p3581 N91-29917* #
E-6481 ..... 21 p3592 N91-29982* #
E-6484 ..... 22 p3620 N91-30141* #
E-6487 ..... 22 p3624 N91-30163* #
E-6490 ..... 21 p3497 N91-29404* #
E-6492 ..... 21 p3466 N91-29220* #
E-6493 ..... 20 p3331 N91-28449* #
E-6496 ..... 21 p3466 N91-29222* #
E-6498 ..... 20 p3448 N91-29138* #
E-6499 ..... 20 p3347 N91-28538* #
E-6503 ..... 24 p4083 N91-32806* #
E-6504 ..... 24 p4014 N91-32440* #
E-6505 ..... 22 p3641 N91-30266* #
E-6506 ..... 23 p3922 N91-31911* #
E-6507 ..... 22 p3688 N91-30532* #
E-6509 ..... 23 p3932 N91-31977* #
E-6515 ..... 24 p4008 N91-32412* #
E-6516 ..... 24 p4021 N91-32474* #
E-6521 ..... 24 p3950 N91-32077* #
E-6522 ..... 23 p3785 N91-31106* #
E-6532 ..... 22 p3642 N91-30267* #
E-6536 ..... 23 p3804 N91-31217* #
E-6540 ..... 24 p3949 N91-32075* #
E-6541 ..... 23 p3800 N91-31196* #
E-6551 ..... 24 p3968 N91-32165* #
E-6552 ..... 23 p3890 N91-31708* #
E-6553 ..... 24 p3971 N91-32182* #
E-6560 ..... 24 p3967 N91-32163* #
E-6562 ..... 23 p3871 N91-31597* #
E-6563 ..... 24 p4017 N91-32460* #
E-6564 ..... 24 p3983 N91-32247* #
E-6565 ..... 23 p3803 N91-31209* #
E-6569 ..... 24 p3967 N91-32162* #
E-6573 ..... 24 p3977 N91-32216* #
E-6577 ..... 24 p4008 N91-32410* #
E-6583 ..... 24 p3962 N91-32143* #
E-6585 ..... 24 p3977 N91-32215* #
E-6586 ..... 24 p3967 N91-32161* #
E-6594 ..... 23 p3821 N91-31318* #
E-6598 ..... 24 p3989 N91-32287* #
E-6606 ..... 24 p3975 N91-32204* #
E-6631 ..... 24 p4118 N91-33014* #

ECE-TR-88-1-4 ..... 10 p1569 N91-18631* #

ECE-89-1 ..... 21 p3496 N91-29398 #

ECL-89-21 ..... 02 p0194 N91-11088 #
ECL-90-01 ..... 02 p0220 N91-11229 #
ECL-90-04 ..... 01 p0133 N91-10785 #
ECL-90-06 ..... 01 p0122 N91-10723 #
ECL-90-10 ..... 01 p0035 N91-10210 #
ECL-90-12 ..... 01 p0035 N91-10211 #
ECL-90-15 ..... 23 p3783 N91-31091 #
ECL-90-17 ..... 23 p3918 N91-31883 #
ECL-90-18 ..... 05 p0653 N91-13630 #
ECL-90-24 ..... 23 p3861 N91-31527 #
ECL-90-27 ..... 23 p3860 N91-31525 #
ECL-90-016 ..... 05 p0660 N91-13664 #
ECL-91-01 ..... 23 p3885 N91-31681 #
ECL-91-04 ..... 23 p3861 N91-31526 #

ECS-SS3900 ..... 18 p2936 N91-26195* #

EDR-12422 ..... 16 p2562 N91-24207* #
EDR-14585 ..... 08 p1097 N91-16021* #

EEG-88001 ..... 06 p0855 N91-14718 #

EFI-91-19 ..... 16 p2685 N91-24868* #

EGG-CNET-9142 ..... 09 p1286 N91-17072 #

EGG-EA-8245-VOL-2 ..... 08 p1131 N91-16223 #

EGG-EAST-9232 ..... 10 p1524 N91-18393 #

EGG-EE-9258 ..... 09 p1330 N91-17307 #

EGG-EP-8800 ..... 05 p0683 N91-13798 #
EGG-EP-8919 ..... 08 p1132 N91-16225 #
EGG-EP-9015 ..... 11 p1697 N91-19346 #
EGG-EP-9207 ..... 16 p2652 N91-24675 #
EGG-EP-9296 ..... 20 p3339 N91-28491 #

EGG-FSP-9499 ..... 17 p2759 N91-25271 #
EGG-FSP-9634 ..... 20 p3343 N91-28510 #

EGG-M-89048 ..... 08 p1147 N91-16319 #
EGG-M-89088 ..... 09 p1373 N91-17546 #
EGG-M-89129 ..... 06 p0802 N91-14427 #
EGG-M-89148 ..... 08 p1158 N91-16377 #
EGG-M-89151 ..... 08 p1105 N91-16066 #
EGG-M-89164 ..... 05 p0702 N91-13909 #
EGG-M-89226 ..... 05 p0659 N91-13661 #
EGG-M-89227 ..... 05 p0716 N91-13994 #
EGG-M-89285 ..... 05 p0673 N91-13744 #
EGG-M-89286 ..... 05 p0714 N91-13986 #
EGG-M-89329 ..... 08 p1161 N91-16395 #
EGG-M-89360 ..... 08 p1223 N91-16739 #
EGG-M-89365 ..... 07 p0965 N91-15302 #
EGG-M-89428 ..... 09 p1407 N91-17742 #
EGG-M-89448 ..... 05 p0705 N91-13932 #
EGG-M-89486 ..... 09 p1407 N91-17743 #
EGG-M-89487 ..... 05 p0688 N91-13826 #
EGG-M-89488 ..... 05 p0719 N91-14013 #
EGG-M-89489 ..... 05 p0660 N91-13670 #
EGG-M-89511 ..... 10 p1532 N91-18439 #
EGG-M-90015 ..... 15 p2439 N91-23510 #
EGG-M-90027 ..... 08 p1196 N91-16574 #
EGG-M-90041 ..... 02 p0201 N91-11128 #
EGG-M-90048 ..... 05 p0697 N91-13880 #
EGG-M-90058 ..... 10 p1531 N91-18437 #
EGG-M-90064 ..... 02 p0213 N91-11189 #
EGG-M-90086 ..... 05 p0711 N91-13970 #
EGG-M-90102 ..... 08 p1174 N91-16461 #
EGG-M-90118 ..... 09 p1315 N91-17218 #
EGG-M-90143 ..... 10 p1491 N91-18211 #
EGG-M-90196 ..... 10 p1602 N91-18834 #
EGG-M-90209 ..... 18 p2958 N91-26326 #
EGG-M-90236 ..... 07 p0985 N91-15407 #
EGG-M-90238 ..... 20 p3418 N91-28951 #
EGG-M-90269 ..... 20 p3381 N91-28732 #
EGG-M-90290 ..... 20 p3316 N91-28356 #
EGG-M-90292 ..... 20 p3320 N91-28380 #
EGG-M-90293 ..... 21 p3479 N91-29299 #
EGG-M-90309 ..... 05 p0714 N91-13987 #
EGG-M-90317 ..... 09 p1407 N91-17741 #
EGG-M-90350 ..... 07 p1035 N91-15679 #
EGG-M-90364 ..... 15 p2468 N91-23674 #
EGG-M-90365 ..... 15 p2482 N91-23736 #
EGG-M-90376 ..... 05 p0683 N91-13799 #
EGG-M-90380 ..... 05 p0666 N91-13703 #
EGG-M-90383 ..... 20 p3392 N91-28795 #
EGG-M-90391 ..... 21 p3484 N91-29328 #
EGG-M-90394 ..... 05 p0702 N91-13912 #
EGG-M-90402 ..... 06 p0816 N91-14505 #
EGG-M-90413 ..... 15 p2422 N91-23415 #
EGG-M-90432 ..... 10 p1491 N91-18210 #
EGG-M-90443 ..... 10 p1518 N91-18358 #
EGG-M-90445 ..... 10 p1518 N91-18360 #
EGG-M-90454 ..... 10 p1513 N91-18330 #
EGG-M-90469 ..... 15 p2405 N91-23317 #
EGG-M-90473 ..... 10 p1518 N91-18359 #
EGG-M-90485 ..... 20 p3289 N91-28187 #
EGG-M-90504 ..... 20 p3317 N91-28362 #
EGG-M-90520 ..... 21 p3490 N91-29369 #
EGG-M-90540 ..... 20 p3436 N91-29068 #
EGG-M-91017 ..... 19 p3247 N91-27959 #
EGG-M-91022 ..... 20 p3438 N91-29077 #
EGG-M-91023 ..... 20 p3384 N91-28750 #
EGG-M-91027 ..... 17 p2804 N91-25503 #
EGG-M-91041 ..... 16 p2633 N91-24574 #
EGG-M-91085 ..... 20 p3329 N91-28437 #
EGG-M-91092 ..... 18 p2956 N91-26315 #
EGG-M-91136 ..... 20 p3357 N91-28595 #
EGG-M-91251 ..... 20 p3303 N91-28279 #

EGG-ME-9338 ..... 10 p1595 N91-18798 #

EGG-MS-9633 ..... 20 p3303 N91-28282 #

EGG-NE-9087 ..... 15 p2506 N91-23884 #

EGG-NERD-8585 ..... 17 p2741 N91-25170 #

EGG-NPR-9334 ..... 11 p1716 N91-19450 #

EGG-SARE-9247 ..... 10 p1544 N91-18499 #

EGG-WM-9050 ..... 07 p1002 N91-15501 #

EGG-2645 ..... 23 p3805 N91-31223 #
EGG-10617-411 ..... 15 p2460 N91-23631 #
EGG-10617-1115 ..... 17 p2887 N91-25964 #
EGG-10617-1127 ..... 20 p3286 N91-28170 #
EGG-10617-2066 ..... 08 p1148 N91-16321 #
EGG-10617-2079 ..... 17 p2781 N91-25391 #
EGG-10617-2086 ..... 24 p4112 N91-32983 #
EGG-10617-2095 ..... 20 p3349 N91-28549 #
EGG-10617-2096 ..... 23 p3931 N91-31966 #
EGG-10617-2097 ..... 20 p3429 N91-29022 #
EGG-10617-2102 ..... 24 p4007 N91-32405 #
EGG-10617-2107 ..... 24 p4007 N91-32407 #
EGG-10617-3004 ..... 20 p3433 N91-29048 #
EGG-10617-4117 ..... 24 p4021 N91-32475 #
EGG-10617-5039 ..... 15 p2508 N91-23894 #
EGG-10617-5069 ..... 17 p2767 N91-25315 #
EGG-10617-6067 ..... 09 p1389 N91-17639 #
EGG-10617-7008 ..... 08 p1175 N91-16471 #

EL-075-IR-9028 ..... 10 p1566 N91-18611 #

EMA-TR-89-1152-6 ..... 06 p0838 N91-14630* #
EMA-TR-90-1153 ..... 14 p2233 N91-22354 #

EMA-85-R-37 ..... 01 p0094 N91-10548* #

EMAE/TR-90-200 ..... 07 p0978 N91-15367* #

EML-522 ..... 01 p0093 N91-10539 #

ENF-TM-90-6 ..... 18 p2924 N91-26131 #

ENG-249-11 ..... 03 p0366 N91-12052 #

EO-MO-90-1 ..... 12 p1967 N91-20825 #

EOARD-TR-90-09 ..... 07 p1036 N91-15683 #
EOARD-TR-91-01 ..... 12 p1986 N91-20926 #
EOARD-TR-91-02 ..... 12 p1989 N91-20946 #
EOARD-TR-91-04 ..... 16 p2598 N91-24397 #
EOARD-TR-91-04 ..... 16 p2657 N91-24702 #

EOTR-88-11 ..... 06 p0855 N91-14719* #

EP-PATENT-APPL-SN-8930 ..... 07 p1022 N91-15611
EP-PATENT-APPL-SN-88305698.8 ..... 09 p1325 N91-17278
EP-PATENT-APPL-SN-88309670.3 ..... 06 p0801 N91-14421
EP-PATENT-APPL-SN-88309674.5 ..... 09 p1301 N91-17142
EP-PATENT-APPL-SN-88310877.1 ..... 07 p1062 N91-15841
EP-PATENT-APPL-SN-88311025.9 ..... 06 p0807 N91-14453

EP-PATENT-0-298-628-A2 ..... 09 p1325 N91-17278
EP-PATENT-0-312-395-A2 ..... 09 p1301 N91-17142
EP-PATENT-0-314-353-A2 ..... 06 p0801 N91-14421
EP-PATENT-0-317-322-A2 ..... 07 p1062 N91-15841
EP-PATENT-0-324-583-A2 ..... 07 p1022 N91-15611
EP-PATENT-0-367-504-A2 ..... 06 p0807 N91-14453

EPA/AA/CTAB-91/01 ..... 21 p3528 N91-29602 #

EPA/IMSD-89/008 ..... 02 p0284 N91-11595 #
EPA/IMSD-90/003 ..... 02 p0283 N91-11594 #

EPA/230/05-89/051-APP-A ..... 01 p0066 N91-10395 #
EPA/230/05-89/052-APP-B ..... 01 p0066 N91-10396 #
EPA/230/05-89/053-APP-C-VOL-1 ..... 01 p0066 N91-10394 #
EPA/230/05-89/053-APP-C-VOL-2 ..... 01 p0066 N91-10397 #
EPA/230/05-89/054-APP-D ..... 01 p0066 N91-10398 #
EPA/230/05-89/055-APP-E ..... 01 p0066 N91-10399 #
EPA/230/05-89/056-APP-F ..... 01 p0067 N91-10400 #
EPA/230/05-89/057-APP-G ..... 01 p0067 N91-10401 #
EPA/230/05-89/058-APP-H ..... 01 p0067 N91-10402 #
EPA/230/05-89/059-APP-I ..... 01 p0067 N91-10403 #
EPA/230/05-89/060-APP-J ..... 01 p0067 N91-10404 #
EPA/450/2-89/012B ..... 09 p1359 N91-17468 #
EPA/450/4-89/009A-VOL-1 ..... 09 p1359 N91-17470 #
EPA/450/4-91/001 ..... 17 p2806 N91-25513 #
EPA/450/4-91/006 ..... 17 p2806 N91-25514 #
EPA/450/4-91/015 ..... 21 p3539 N91-29662 #
EPA/540/A5-89/012 ..... 17 p2806 N91-25512 #
EPA/540/8-90/007 ..... 13 p2171 N91-21985 #
EPA/600/D-90/069 ..... 01 p0069 N91-10416 #

EPA/600/D-90/077 ..... 01 p0108 N91-10624 #
EPA/600/D-90/144 ..... 09 p1370 N91-17530 #
EPA/600/D-90/163 ..... 12 p1928 N91-20609 #
EPA/600/D-90/172 ..... 12 p1920 N91-20565 #
EPA/600/D-90/173 ..... 11 p1736 N91-19547 #
EPA/600/D-90/177 ..... 11 p1736 N91-19546 #
EPA/600/D-90/225 ..... 19 p3170 N91-27526 #
EPA/600/D-90/240 ..... 19 p3188 N91-27630 #
EPA/600/D-91/005 ..... 19 p3188 N91-27631 #
EPA/600/D-91/030 ..... 19 p3203 N91-27704 #
EPA/600/D-91/048 ..... 22 p3747 N91-30882 #
EPA/600/D-91/053 ..... 19 p3187 N91-27625 #
EPA/600/D-91/076 ..... 21 p3493 N91-29385 #
EPA/600/D-91/084 ..... 22 p3710 N91-30648 #
EPA/600/D-91/085 ..... 22 p3703 N91-30608 #
EPA/600/J-90/154 ..... 12 p1920 N91-20563 #
EPA/600/S2-90/039 ..... 02 p0234 N91-11305 #
EPA/600/1-90/007 ..... 09 p1370 N91-17529 #
EPA/600/1-90/009 ..... 09 p1361 N91-17479 #
EPA/600/2-90/041 ..... 09 p1349 N91-17410 #
EPA/600/2-91/015 ..... 21 p3516 N91-29526 #
EPA/600/2-91/020 ..... 22 p3675 N91-30463 #
EPA/600/3-90/049 ..... 04 p0550 N91-13053 #
EPA/600/3-90/051 ..... 09 p1359 N91-17469 #
EPA/600/3-90/058 ..... 09 p1358 N91-17464 #
EPA/600/3-90/059 ..... 02 p0233 N91-11303 #
EPA/600/3-90/060 ..... 16 p2654 N91-24683 #
EPA/600/3-90/074 ..... 09 p1360 N91-17473 #
EPA/600/3-90/081 ..... 09 p1359 N91-17466 #
EPA/600/3-90/083 ..... 13 p2113 N91-21631 #
EPA/600/3-90/087 ..... 09 p1361 N91-17478 #
EPA/600/3-90/089 ..... 11 p1736 N91-19549 #
EPA/600/3-90/091 ..... 12 p1921 N91-20568 #
EPA/600/3-90/096 ..... 16 p2654 N91-24684 #
EPA/600/3-91/001 ..... 18 p3005 N91-26594 #
EPA/600/3-91/002 ..... 16 p2655 N91-24688 #
EPA/600/3-91/005 ..... 19 p3204 N91-27709 #
EPA/600/3-91/019 ..... 18 p3006 N91-26602 #
EPA/600/3-91/020 ..... 18 p3006 N91-26598 #
EPA/600/3-91/024 ..... 22 p3703 N91-30609 #
EPA/600/4-91/004 ..... 18 p3006 N91-26601 #
EPA/600/7-90/010 ..... 03 p0387 N91-12157 #
EPA/600/7-91/003 ..... 17 p2809 N91-25528 #
EPA/600/8-90/005 ..... 15 p2459 N91-23625 #
EPA/600/8-90/053 ..... 02 p0193 N91-11078 #
EPA/600/8-90/079 ..... 11 p1736 N91-19545 #
EPA/600/8-90/083A ..... 20 p3369 N91-28665 #
EPA/600/8-90/083B ..... 20 p3369 N91-28666 #
EPA/600/8-90/083C-PT-3 ..... 19 p3188 N91-27627 #
EPA/600/8-91/009 ..... 20 p3375 N91-28697 #
EPA/600/9-91/020 ..... 24 p4042 N91-32583 #
EPA/905/4-90/002 ..... 13 p2112 N91-21629 #
EPA/910/9-90/018 ..... 15 p2458 N91-23623 #

ER-17453 ..... 16 p2691 N91-24898* #

ERA-377 ..... 21 p3562 N91-29799 #

ERB-966 ..... 21 p3562 N91-29799 #
ERB-1020 ..... 21 p3564 N91-29811 #
ERB-1021 ..... 21 p3562 N91-29800 #
ERB-1022 ..... 21 p3553 N91-29743 #

ERIM-205400-8-F ..... 02 p0252 N91-11396* #
ERIM-211100-3-T ..... 03 p0384 N91-12143 #
ERIM-213325-3-F ..... 13 p2090 N91-21502 #
ERIM-226900-1-T ..... 21 p3498 N91-29412 #
ERIM-226900-5-F ..... 19 p3150 N91-27414 #

ERL-0505-GD ..... 03 p0356 N91-11989 #
ERL-0508-RN ..... 11 p1713 N91-19434 #
ERL-0509-RE ..... 08 p1203 N91-16616 #
ERL-0517-RR ..... 08 p1150 N91-16331 #
ERL-0519-RE ..... 08 p1128 N91-16204 #
ERL-0520-RR ..... 19 p3226 N91-27834 #
ERL-0521-RN ..... 08 p1134 N91-16238 #
ERL-0523-RR ..... 09 p1339 N91-17354 #
ERL-0531-RR ..... 12 p1881 N91-20338 #
ERL-0532-GD ..... 12 p1834 N91-20081 #
ERL-0544-GD ..... 21 p3568 N91-29837 #
ERL-0545-RR ..... 19 p3226 N91-27833 #
ERL-0549-RR ..... 19 p3108 N91-27170 #
ERL-290666-3 ..... 11 p1697 N91-19347 #

ERP-1061 ..... 06 p0850 N91-14692 #
ERP-1062 ..... 12 p1921 N91-20570 #
ERP-1072 ..... 15 p2390 N91-23228 #

ESA-BR-63 ..... 13 p2170 N91-21975 #
ESA-BR-69 ..... 05 p0733 N91-14095 #
ESA-BR-71 ..... 03 p0439 N91-12455 #

ESA-PSS-01-605-ISSUE-1 ..... 22 p3671 N91-30440 #
ESA-PSS-01-607-ISSUE-1 ..... 15 p2419 N91-23396 #
ESA-PSS-01-611-ISSUE-1 ..... 15 p2419 N91-23397 #
ESA-PSS-01-612-ISSUE-1 ..... 24 p4010 N91-32420 #
ESA-PSS-01-701-ISSUE-1 ..... 07 p0971 N91-15330 #
ESA-PSS-01-701-ISSUE-1-REV-2 ..... 07 p0971 N91-15330 #
ESA-PSS-01-722-ISSUE-2 ..... 22 p3630 N91-30198 #
ESA-PSS-01-726-ISSUE-2 ..... 24 p4010 N91-32421 #
ESA-PSS-01-728-ISSUE-2 ..... 24 p4010 N91-32422 #
ESA-PSS-01-738-ISSUE-1 ..... 22 p3690 N91-30547 #
ESA-PSS-03-105-ISSUE-1 ..... 05 p0700 N91-13897 #
ESA-PSS-03-207-ISSUE-1 ..... 24 p3970 N91-32176 #
ESA-PSS-03-210-ISSUE-1 ..... 24 p3980 N91-32234 #
ESA-PSS-04-103-ISSUE-1 ..... 12 p1853 N91-20180 #
ESA-PSS-04-104-VOL-1-ISSUE-1 ..... 12 p1853 N91-20181 #
ESA-PSS-04-105-ISSUE-1 ..... 03 p0356 N91-11993 #
ESA-PSS-04-107-ISSUE-1 ..... 22 p3664 N91-30402 #
ESA-PSS-05-0-ISSUE-2 ..... 24 p4083 N91-32811 #
ESA-PSS-06-101-ISSUE-1 ..... 04 p0560 N91-13107 #

ESA-SP-303 ..... 03 p0326 N91-11812 #
ESA-SP-304 ..... 07 p0949 N91-15212 #
ESA-SP-306 ..... 01 p0069 N91-10417 #
ESA-SP-307 ..... 11 p1741 N91-19572 #
ESA-SP-308 ..... 14 p2208 N91-22189 #
ESA-SP-309 ..... 07 p0947 N91-15192 #
ESA-SP-310 ..... 09 p1428 N91-17861 #
ESA-SP-311 ..... 06 p0916 N91-15046 #
ESA-SP-312 ..... 15 p2448 N91-23563 #
ESA-SP-313 ..... 24 p3990 N91-32291 #
ESA-SP-314 ..... 13 p2172 N91-21986 #
ESA-SP-315 ..... 10 p1618 N91-18922 #
ESA-SP-325 ..... 22 p3771 N91-31025 #
ESA-SP-1088 ..... 22 p3768 N91-31006 #
ESA-SP-1089 ..... 22 p3768 N91-31007 #
ESA-SP-1107 ..... 10 p1625 N91-18963 #
ESA-SP-1116-REV-1 ..... 16 p2580 N91-24299 #
ESA-SP-1119 ..... 04 p0548 N91-13042 #
ESA-SP-1121 ..... 03 p0392 N91-12182 #
ESA-SP-1125 ..... 24 p3964 N91-32152 #
ESA-SP-1130 ..... 03 p0385 N91-12147 #
ESA-SP-1131 ..... 05 p0731 N91-14083 #
ESA-SP-1132 ..... 23 p3822 N91-31321 #
ESA-SP-1135 ..... 07 p1068 N91-15873 #
ESA-SP-1137 ..... 10 p1488 N91-18201 #
ESA-SP-1138 ..... 07 p1005 N91-15517 #

ESA-STM-243 ..... 10 p1514 N91-18333 #

ESA-STR-231 ..... 24 p4044 N91-32597 #
ESA-STR-232 ..... 03 p0402 N91-12237 #
ESA-STR-233 ..... 22 p3723 N91-30722 #

ESA-TM-09 ..... 22 p3732 N91-30776* #
ESA-TM-11 ..... 22 p3768 N91-31009 #
ESA-TM-12 ..... 22 p3768 N91-31010 #
ESA-TM-13 ..... 22 p3768 N91-31011 #

ESA-TT-1115 ..... 24 p4121 N91-33034 #
ESA-TT-1116 ..... 02 p0214 N91-11197 #
ESA-TT-1126 ..... 15 p2501 N91-23854 #
ESA-TT-1127 ..... 02 p0248 N91-11381 #
ESA-TT-1130 ..... 22 p3678 N91-30479 #
ESA-TT-1135 ..... 02 p0263 N91-11473 #
ESA-TT-1138 ..... 02 p0214 N91-11198 #
ESA-TT-1141 ..... 02 p0166 N91-10965 #
ESA-TT-1144 ..... 02 p0214 N91-11199 #
ESA-TT-1146 ..... 03 p0311 N91-11742 #
ESA-TT-1152 ..... 03 p0413 N91-12311 #
ESA-TT-1160 ..... 03 p0365 N91-12046 #
ESA-TT-1167 ..... 12 p1863 N91-20238 #
ESA-TT-1168 ..... 22 p3669 N91-30431 #
ESA-TT-1170 ..... 03 p0365 N91-12047 #
ESA-TT-1172 ..... 15 p2413 N91-23363 #
ESA-TT-1174 ..... 22 p3699 N91-30598 #
ESA-TT-1182 ..... 12 p1898 N91-20440 #
ESA-TT-1187 ..... 15 p2447 N91-23553 #
ESA-TT-1190 ..... 12 p1898 N91-20441 #
ESA-TT-1191 ..... 15 p2398 N91-23278 #
ESA-TT-1193 ..... 12 p1863 N91-20239 #
ESA-TT-1194 ..... 22 p3755 N91-30932 #
ESA-TT-1195 ..... 03 p0301 N91-11680 #
ESA-TT-1196 ..... 03 p0360 N91-12015 #
ESA-TT-1197 ..... 03 p0357 N91-11994 #
ESA-TT-1198 ..... 13 p2048 N91-21268 #
ESA-TT-1199 ..... 15 p2427 N91-23441 #
ESA-TT-1200 ..... 22 p3651 N91-30319 #
ESA-TT-1201 ..... 03 p0415 N91-12321 #
ESA-TT-1202 ..... 15 p2405 N91-23319 #
ESA-TT-1203 ..... 15 p2427 N91-23442 #
ESA-TT-1206 ..... 03 p0357 N91-11995 #
ESA-TT-1208 ..... 03 p0369 N91-12069 #
ESA-TT-1209 ..... 13 p2146 N91-21823 #
ESA-TT-1210 ..... 13 p2126 N91-21699 #
ESA-TT-1211 ..... 22 p3664 N91-30396 #
ESA-TT-1212 ..... 13 p2088 N91-21490 #
ESA-TT-1213 ..... 15 p2390 N91-23230 #
ESA-TT-1214 ..... 22 p3698 N91-30590 #
ESA-TT-1215 ..... 13 p2071 N91-21405 #
ESA-TT-1216 ..... 13 p2101 N91-21566 #

ESA-TT-1218 ..... 22 p3751 N91-30908 #
ESA-TT-1219 ..... 13 p2081 N91-21465 #
ESA-TT-1220 ..... 22 p3698 N91-30591 #
ESA-TT-1222 ..... 22 p3680 N91-30493 #
ESA-TT-1223 ..... 22 p3745 N91-30869 #
ESA-TT-1224 ..... 22 p3700 N91-30599 #
ESA-TT-1225 ..... 22 p3614 N91-30104 #
ESA-TT-1226 ..... 22 p3614 N91-30105 #
ESA-TT-1227 ..... 22 p3683 N91-30507 #
ESA-TT-1231 ..... 22 p3624 N91-30165 #
ESA-TT-1234 ..... 05 p0688 N91-13827 #
ESA-TT-1244 ..... 05 p0616 N91-13415 #
ESA-TT-1259 ..... 15 p2412 N91-23357 #
ESA-TT-1260 ..... 15 p2393 N91-23246 #
ESA-TT-1266 ..... 24 p3962 N91-32139 #
ESA-TT-1267 ..... 24 p3960 N91-32131 #
ESA-TT-1268 ..... 24 p4014 N91-32439 #
ESA-TT-1269 ..... 24 p4072 N91-32748 #
ESA-TT-1270 ..... 24 p4115 N91-33001 #

ESD-PUBL-3509 ..... 20 p3371 N91-28674 #
ESD-PUBL-3642 ..... 21 p3539 N91-29664 #

ESD-TR-89-3 ..... 06 p0862 N91-14762 #
ESD-TR-89-293 ..... 04 p0587 N91-13279* #
ESD-TR-90-011 ..... 08 p1127 N91-16195 #
ESD-TR-90-026 ..... 05 p0627 N91-13475 #
ESD-TR-90-027 ..... 08 p1236 N91-16816* #
ESD-TR-90-066 ..... 08 p1155 N91-16361 #
ESD-TR-90-085 ..... 06 p0912 N91-15041 #
ESD-TR-90-087 ..... 12 p1989 N91-20944 #
ESD-TR-90-088 ..... 09 p1324 N91-17270 #
ESD-TR-90-092 ..... 12 p1881 N91-20341 #
ESD-TR-90-105 ..... 12 p1967 N91-20823 #
ESD-TR-90-108 ..... 12 p1882 N91-20344 #
ESD-TR-90-111 ..... 12 p1856 N91-20199 #
ESD-TR-90-114 ..... 12 p1891 N91-20399 #
ESD-TR-90-115 ..... 12 p1883 N91-20351 #
ESD-TR-90-117 ..... 18 p2973 N91-26413 #
ESD-TR-90-118 ..... 18 p3042 N91-26795 #
ESD-TR-90-119 ..... 18 p3069 N91-26958 #
ESD-TR-90-133 ..... 18 p2973 N91-26412 #
ESD-TR-90-134 ..... 18 p2973 N91-26411 #
ESD-TR-90-137 ..... 12 p1856 N91-20200 #
ESD-TR-90-139 ..... 18 p2973 N91-26414 #
ESD-TR-90-140 ..... 18 p3063 N91-26920 #
ESD-TR-90-143 ..... 19 p3264 N91-28052 #
ESD-TR-90-144 ..... 18 p3042 N91-26792 #
ESD-TR-90-146 ..... 19 p3153 N91-27430 #
ESD-TR-90-147 ..... 18 p2973 N91-26410 #
ESD-TR-90-152 ..... 21 p3598 N91-30016* #
ESD-TR-90-154 ..... 13 p2076 N91-21437 #
ESD-TR-90-188 ..... 18 p3065 N91-26933 #
ESD-TR-90-209 ..... 19 p3221 N91-27802 #
ESD-TR-90-219 ..... 19 p3220 N91-27799 #
ESD-TR-90-221 ..... 19 p3220 N91-27801 #
ESD-TR-90-223 ..... 20 p3384 N91-28748 #
ESD-TR-90-308 ..... 04 p0474 N91-12648 #
ESD-TR-90-315 ..... 04 p0475 N91-12653 #
ESD-TR-90-326 ..... 08 p1094 N91-16004 #
ESD-TR-91-057 ..... 19 p3152 N91-27424 #
ESD-TR-91-058 ..... 23 p3895 N91-31743 #
ESD-TR-91-062 ..... 23 p3879 N91-31644 #
ESD-TR-91-108 ..... 23 p3928 N91-31954 #
ESD-TR-91-205 ..... 21 p3455 N91-29162 #

ESD-88-TR-17 ..... 08 p1202 N91-16610 #
ESD-89-TR-33 ..... 06 p0859 N91-14745 #
ESD-90-TR-5 ..... 19 p3220 N91-27800 #
ESD-90-TR-13 ..... 06 p0859 N91-14743 #
ESD-90-TR-207 ..... 08 p1198 N91-16584 #
ESD-90-TR-208 ..... 08 p1198 N91-16587 #
ESD-90-TR-212 ..... 19 p3221 N91-27803 #
ESD-90-TR-216 ..... 19 p3223 N91-27813 #
ESD-90-TR-217 ..... 06 p0859 N91-14742 #
ESD-90-TR-220 ..... 06 p0860 N91-14748 #
ESD-90-TR-222 ..... 19 p3223 N91-27815 #
ESD-90-TR-224 ..... 19 p3218 N91-27788 #
ESD-90-TR-225 ..... 19 p3223 N91-27814 #
ESD-90-TR-227 ..... 19 p3222 N91-27811 #
ESD-90-TR-232 ..... 19 p3221 N91-27806 #
ESD-90-TR-872 ..... 22 p3726 N91-30737 #
ESD-91-TR-4 ..... 19 p3222 N91-27810 #
ESD-91-TR-6 ..... 19 p3219 N91-27794 #
ESD-91-TR-7 ..... 19 p3222 N91-27812 #

ESDP-3656 ..... 21 p3542 N91-29682 #
ESDP-3689 ..... 24 p4070 N91-32741 #

ESDU-PD4 ..... 04 p0499 N91-12772

ESDU-PERF-EG3/3 ..... 07 p0940 N91-15151
ESDU-PERF-EG3/4 ..... 07 p0940 N91-15151
ESDU-PERF-EG3/5 ..... 07 p0940 N91-15151

ESDU-75010 ..... 07 p0977 N91-15362

ESDU-76004 ..... 07 p0976 N91-15356
ESDU-76006 ..... 07 p0976 N91-15356
ESDU-81020-AMEND-A 07 p0937 N91-15133
ESDU-87029 ..... 07 p1019 N91-15596
ESDU-90001 ..... 04 p0521 N91-12901
ESDU-90002 ..... 07 p1018 N91-15594
ESDU-90003 ..... 04 p0499 N91-12773
ESDU-90004 ..... 04 p0534 N91-12964
ESDU-90005 ..... 04 p0487 N91-12707
ESDU-90006 ..... 04 p0535 N91-12965
ESDU-90007 ..... 04 p0531 N91-12947
ESDU-90008 ..... 04 p0469 N91-12631
ESDU-90009 ..... 04 p0535 N91-12966
ESDU-90010 ..... 04 p0477 N91-12663
ESDU-90011 ..... 07 p1019 N91-15595
ESDU-90012 ..... 07 p0940 N91-15151
ESDU-90013 ..... 07 p0940 N91-15152
ESDU-90014 ..... 07 p0977 N91-15361
ESDU-90015 ..... 07 p0977 N91-15362
ESDU-90016 ..... 07 p1019 N91-15596
ESDU-90017 ..... 07 p0977 N91-15363
ESDU-90018 ..... 07 p1019 N91-15597
ESDU-90019 ..... 07 p0976 N91-15356
ESDU-90020 ..... 07 p0936 N91-15130
ESDU-90021 ..... 13 p2046 N91-21253
ESDU-90022 ..... 07 p1017 N91-15590
ESDU-90023 ..... 07 p1062 N91-15843
ESDU-90024 ..... 07 p1003 N91-15505
ESDU-90025 ..... 07 p0936 N91-15131
ESDU-90026 ..... 07 p1018 N91-15591
ESDU-90027 ..... 07 p1010 N91-15546
ESDU-90028 ..... 07 p0982 N91-15389
ESDU-90029 ..... 07 p0936 N91-15132
ESDU-90030 ..... 13 p2023 N91-21129
ESDU-90033 ..... 13 p2068 N91-21390
ESDU-90034 ..... 13 p2018 N91-21102
ESDU-90035 ..... 13 p2096 N91-21537
ESDU-90036 ..... 13 p2018 N91-21103

ESDXF-TR-90-215ESD ..... 19 p3219 N91-27793 #
ESDXF-TR-90-226ESD ..... 19 p3219 N91-27792 #

ESG-99 ..... 14 p2270 N91-22558 #
ESG-112 ..... 13 p2091 N91-21508 #

ESL-(72)1837-2 ..... 10 p1515 N91-18341* #

ESL-FTR-723108-1 ..... 08 p1126 N91-16191* #

ESL-TR-89-14 ..... 12 p1878 N91-20325 #
ESL-TR-716199-15 ..... 05 p0618 N91-13428* #
ESL-TR-721711-2 ..... 10 p1510 N91-18307* #
ESL-TR-722780-1 ..... 13 p2069 N91-21394* #
ESL-TR-722780-2 ..... 14 p2255 N91-22472* #
ESL-TR-723090-1 ..... 13 p2073 N91-21417 #
ESL-TR-723105-1 ..... 08 p1127 N91-16194* #

ESL-529819-7 ..... 19 p3223 N91-27816 #
ESL-721563-2 ..... 15 p2419 N91-23402 #
ESL-723090-2 ..... 22 p3657 N91-30356 #
ESL-723090-4 ..... 19 p3223 N91-27816 #

ESMC-TR-91-1 ..... 21 p3532 N91-29624 #

ESNIB-90-0 ..... 17 p2860 N91-25818 #

ETDE/JP-MF-1715185 ..... 05 p0645 N91-13579 #
ETDE/JP-MF-1727359 ..... 07 p1029 N91-15646 #
ETDE/JP-MF-1727527 ..... 06 p0806 N91-14451 #
ETDE/JP-MF-1727566 ..... 07 p1026 N91-15634 #
ETDE/JP-MF-1727567 ..... 06 p0842 N91-14654 #
ETDE/JP-MF-1778700 ..... 22 p3702 N91-30606 #

ETDE/PUB-1-R1 ..... 04 p0606 N91-13373 #
ETDE/PUB-2 ..... 03 p0427 N91-12390 #
ETDE/PUB-3 ..... 16 p2652 N91-24677 #

ETL-R-151 ..... 15 p2456 N91-23610 #
ETL-R-152 ..... 13 p2169 N91-21973 #
ETL-R-153 ..... 13 p2111 N91-21623 #
ETL-R-154 ..... 14 p2280 N91-22610 #

ETL-0567 ..... 14 p2256 N91-22480 #
ETL-0572 ..... 21 p3455 N91-29164 #
ETL-0573 ..... 23 p3888 N91-31697 #
ETL-0584 ..... 21 p3554 N91-29748 #

ETN-88-92728 ..... 24 p4121 N91-33034 #
ETN-88-93455 ..... 11 p1693 N91-19327 #
ETN-90-90940 ..... 19 p3240 N91-27917 #
ETN-90-90941 ..... 19 p3113 N91-27202 #
ETN-90-97142 ..... 01 p0011 N91-10063 #
ETN-90-97166 ..... 03 p0315 N91-11759 #
ETN-90-97188 ..... 01 p0025 N91-10151 #
ETN-90-97221 ..... 20 p3371 N91-28676
ETN-90-97265 ..... 20 p3382 N91-28735

ETN-90-97266	20	p3382	N91-28736	
ETN-90-97354	05	p0638	N91-13536	#
ETN-90-97360	01	p0113	N91-10658	
ETN-90-97568	01	p0035	N91-10205	#
ETN-90-97569	01	p0003	N91-10016	#
ETN-90-97570	01	p0003	N91-10017	#
ETN-90-97571	01	p0032	N91-10189	#
ETN-90-97572	01	p0014	N91-10086	#
ETN-90-97573	01	p0009	N91-10050	#
ETN-90-97574	01	p0042	N91-10246	#
ETN-90-97575	01	p0048	N91-10283	#
ETN-90-97576	01	p0042	N91-10247	#
ETN-90-97577	01	p0004	N91-10018	#
ETN-90-97578	01	p0038	N91-10228	#
ETN-90-97580	02	p0192	N91-11076	#
ETN-90-97581	01	p0018	N91-10107	#
ETN-90-97582	01	p0109	N91-10634	#
ETN-90-97583	01	p0042	N91-10248	#
ETN-90-97584	01	p0016	N91-10097	#
ETN-90-97587	01	p0069	N91-10417	#
ETN-90-97605	06	p0801	N91-14421	
ETN-90-97609	01	p0110	N91-10639	#
ETN-90-97626	01	p0065	N91-10390	#
ETN-90-97628	01	p0005	N91-10026	#
ETN-90-97629	01	p0005	N91-10027	#
ETN-90-97630	02	p0159	N91-10920	#
ETN-90-97631	01	p0108	N91-10627	#
ETN-90-97646	02	p0228	N91-11273	#
ETN-90-97647	01	p0094	N91-10545	
ETN-90-97648	01	p0094	N91-10546	
ETN-90-97649	01	p0093	N91-10540	
ETN-90-97651	04	p0549	N91-13048	
ETN-90-97653	02	p0259	N91-11438	#
ETN-90-97654	02	p0259	N91-11439	#
ETN-90-97655	02	p0259	N91-11440	#
ETN-90-97656	02	p0259	N91-11441	#
ETN-90-97657	02	p0259	N91-11442	#
ETN-90-97658	02	p0259	N91-11443	#
ETN-90-97659	02	p0259	N91-11444	#
ETN-90-97660	02	p0263	N91-11475	#
ETN-90-97661	02	p0264	N91-11476	#
ETN-90-97662	02	p0264	N91-11477	#
ETN-90-97663	02	p0208	N91-11166	#
ETN-90-97664	02	p0256	N91-11426	#
ETN-90-97665	01	p0109	N91-10635	#
ETN-90-97666	02	p0260	N91-11445	#
ETN-90-97667	02	p0265	N91-11483	#
ETN-90-97668	02	p0252	N91-11398	#
ETN-90-97669	02	p0260	N91-11446	#
ETN-90-97670	02	p0252	N91-11399	#
ETN-90-97671	02	p0209	N91-11167	#
ETN-90-97672	02	p0276	N91-11553	#
ETN-90-97673	02	p0257	N91-11427	#
ETN-90-97674	02	p0260	N91-11447	#
ETN-90-97675	02	p0260	N91-11448	#
ETN-90-97676	02	p0156	N91-10905	#
ETN-90-97677	02	p0260	N91-11449	#
ETN-90-97678	02	p0260	N91-11450	#
ETN-90-97679	02	p0257	N91-11428	#
ETN-90-97680	02	p0260	N91-11451	#
ETN-90-97681	02	p0276	N91-11554	#
ETN-90-97682	02	p0242	N91-11348	#
ETN-90-97683	02	p0227	N91-11269	#
ETN-90-97684	06	p0839	N91-14637	#
ETN-90-97685	04	p0550	N91-13049	#
ETN-90-97686	03	p0358	N91-12005	#
ETN-90-97687	01	p0093	N91-10544	#
ETN-90-97688	05	p0681	N91-13785	#
ETN-90-97689	04	p0538	N91-12985	#
ETN-90-97690	04	p0548	N91-13041	#
ETN-90-97691	03	p0385	N91-12148	#
ETN-90-97692	04	p0539	N91-12986	#
ETN-90-97693	04	p0539	N91-12987	#
ETN-90-97694	03	p0407	N91-12270	#
ETN-90-97695	03	p0407	N91-12271	#
ETN-90-97696	01	p0114	N91-10666	#
ETN-90-97697	01	p0112	N91-10651	#
ETN-90-97698	01	p0109	N91-10636	#
ETN-90-97699	01	p0116	N91-10687	#
ETN-90-97700	01	p0114	N91-10667	#
ETN-90-97701	01	p0116	N91-10688	#
ETN-90-97702	01	p0114	N91-10668	#
ETN-90-97703	01	p0117	N91-10689	#
ETN-90-97704	01	p0109	N91-10637	#
ETN-90-97705	01	p0110	N91-10638	#
ETN-90-97706	02	p0272	N91-11527	#
ETN-90-97707	02	p0252	N91-11400	#
ETN-90-97708	02	p0252	N91-11401	#
ETN-90-97709	02	p0253	N91-11402	#
ETN-90-97710	02	p0260	N91-11452	#
ETN-90-97711	02	p0257	N91-11429	#
ETN-90-97712	02	p0261	N91-11453	#
ETN-90-97713	02	p0253	N91-11403	#
ETN-90-97714	02	p0283	N91-11592	#
ETN-90-97715	02	p0261	N91-11454	#
ETN-90-97716	01	p0114	N91-10669	#
ETN-90-97717	01	p0114	N91-10670	#
ETN-90-97718	01	p0114	N91-10671	#
ETN-90-97719	02	p0261	N91-11455	#
ETN-90-97720	02	p0264	N91-11478	#
ETN-90-97721	02	p0261	N91-11456	#
ETN-90-97722	02	p0261	N91-11457	#
ETN-90-97723	02	p0261	N91-11458	#
ETN-90-97724	02	p0261	N91-11459	#
ETN-90-97725	02	p0261	N91-11460	#
ETN-90-97726	02	p0262	N91-11461	#
ETN-90-97727	01	p0110	N91-10640	#
ETN-90-97728	01	p0115	N91-10680	#
ETN-90-97729	01	p0110	N91-10641	#
ETN-90-97730	01	p0110	N91-10642	#
ETN-90-97731	01	p0110	N91-10643	#
ETN-90-97732	01	p0115	N91-10672	#
ETN-90-97733	01	p0115	N91-10673	#
ETN-90-97734	01	p0115	N91-10674	#
ETN-90-97735	01	p0115	N91-10675	#
ETN-90-97736	01	p0117	N91-10690	#
ETN-90-97737	01	p0117	N91-10692	#
ETN-90-97738	01	p0115	N91-10676	#
ETN-90-97739	01	p0115	N91-10677	#
ETN-90-97740	01	p0115	N91-10678	#
ETN-90-97741	02	p0262	N91-11468	#
ETN-90-97742	01	p0116	N91-10681	#
ETN-90-97743	01	p0116	N91-10682	#
ETN-90-97744	02	p0263	N91-11469	#
ETN-90-97745	02	p0263	N91-11470	#
ETN-90-97746	01	p0038	N91-10225	#
ETN-90-97747	01	p0121	N91-10714	#
ETN-90-97748	03	p0416	N91-12329	#
ETN-90-97749	03	p0417	N91-12330	#
ETN-90-97750	01	p0120	N91-10711	#
ETN-90-97751	02	p0220	N91-11228	#
ETN-90-97752	02	p0282	N91-11586	#
ETN-90-97753	03	p0386	N91-12152	#
ETN-90-97754	02	p0232	N91-11294	#
ETN-90-97755	01	p0095	N91-10549	#
ETN-90-97756	01	p0095	N91-10550	#
ETN-90-97757	01	p0103	N91-10596	#
ETN-90-97758	01	p0038	N91-10226	#
ETN-90-97759	01	p0103	N91-10597	#
ETN-90-97760	01	p0043	N91-10255	#
ETN-90-97761	03	p0402	N91-12234	#
ETN-90-97762	03	p0402	N91-12235	#
ETN-90-97763	03	p0338	N91-11897	#
ETN-90-97764	03	p0424	N91-12374	#
ETN-90-97765	02	p0216	N91-11210	#
ETN-90-97766	03	p0349	N91-11949	#
ETN-90-97767	01	p0073	N91-10443	#
ETN-90-97768	01	p0133	N91-10784	#
ETN-90-97769	03	p0360	N91-12014	#
ETN-90-97770	02	p0199	N91-11116	#
ETN-90-97771	01	p0048	N91-10285	#
ETN-90-97772	03	p0365	N91-12044	#
ETN-90-97773	02	p0214	N91-11196	#
ETN-90-97774	03	p0418	N91-12340	#
ETN-90-97775	03	p0402	N91-12236	#
ETN-90-97776	01	p0049	N91-10290	#
ETN-90-97777	02	p0187	N91-11047	#
ETN-90-97778	06	p0815	N91-14502	#
ETN-90-97779	06	p0858	N91-14735	#
ETN-90-97780	01	p0142	N91-10837	#
ETN-90-97781	02	p0276	N91-11550	#
ETN-90-97782	05	p0733	N91-14094	#
ETN-90-97783	05	p0669	N91-13717	#
ETN-90-97784	03	p0439	N91-12454	#
ETN-90-97785	05	p0651	N91-13615	#
ETN-90-97786	05	p0651	N91-13616	#
ETN-90-97787	01	p0142	N91-10838	#
ETN-90-97788	02	p0295	N91-11653	#
ETN-90-97789	02	p0295	N91-11654	#
ETN-90-97790	04	p0609	N91-13389	#
ETN-90-97791	02	p0276	N91-11551	#
ETN-90-97792	01	p0139	N91-10819	#
ETN-90-97793	02	p0239	N91-11333	#
ETN-90-97794	04	p0488	N91-12714	#
ETN-90-97795	04	p0611	N91-13398	#
ETN-90-97796	01	p0139	N91-10820	#
ETN-90-97797	01	p0141	N91-10833	#
ETN-90-97798	01	p0035	N91-10209	#
ETN-90-97799	04	p0610	N91-13390	#
ETN-90-97800	01	p0141	N91-10834	#
ETN-90-97801	02	p0269	N91-11508	#
ETN-90-97802	02	p0204	N91-11143	#
ETN-90-97803	04	p0516	N91-12871	#
ETN-90-97804	03	p0343	N91-11921	#
ETN-90-97805	01	p0035	N91-10206	#
ETN-90-97806	01	p0117	N91-10691	#
ETN-90-97807	01	p0035	N91-10207	#
ETN-90-97808	01	p0063	N91-10380	#
ETN-90-97809	02	p0271	N91-11521	#
ETN-90-97810	01	p0038	N91-10227	#
ETN-90-97811	01	p0048	N91-10284	#
ETN-90-97812	01	p0018	N91-10110	#

ETN-90-97813 02 p0239 N91-11334 #
ETN-90-97814 02 p0203 N91-11136 #
ETN-90-97815 02 p0217 N91-11215 #
ETN-90-97816 02 p0194 N91-11088 #
ETN-90-97817 02 p0220 N91-11229 #
ETN-90-97818 01 p0122 N91-10723 #
ETN-90-97819 01 p0133 N91-10785 #
ETN-90-97820 01 p0035 N91-10210 #
ETN-90-97821 01 p0035 N91-10211 #
ETN-90-97822 01 p0033 N91-10196 #
ETN-90-97823 01 p0023 N91-10135 #
ETN-90-97824 02 p0190 N91-11065 #
ETN-90-97825 01 p0112 N91-10652 #
ETN-90-97826 01 p0049 N91-10291 #
ETN-90-97827 02 p0253 N91-11404 #
ETN-90-97828 02 p0206 N91-11150 #
ETN-90-97829 02 p0262 N91-11462 #
ETN-90-97834 02 p0289 N91-11620 #
ETN-90-97835 03 p0306 N91-11707 #
ETN-90-97836 01 p0018 N91-10108 #
ETN-90-97837 01 p0015 N91-10091 #
ETN-90-97838 01 p0009 N91-10055 #
ETN-90-97839 04 p0478 N91-12666 #
ETN-90-97840 02 p0249 N91-11383 #
ETN-90-97841 02 p0179 N91-11016 #
ETN-90-97842 03 p0367 N91-12056 #
ETN-90-97843 04 p0470 N91-12635 #
ETN-90-97844 04 p0480 N91-12678 #
ETN-90-97845 02 p0182 N91-11025 #
ETN-90-97846 02 p0161 N91-10935 #
ETN-90-97847 03 p0361 N91-12023 #
ETN-90-97848 02 p0256 N91-11424 #
ETN-90-97849 03 p0321 N91-11793 #
ETN-90-97850 03 p0321 N91-11794 #
ETN-90-97851 04 p0513 N91-12852 #
ETN-90-97852 04 p0513 N91-12853 #
ETN-90-97853 03 p0365 N91-12045 #
ETN-90-97854 04 p0478 N91-12664 #
ETN-90-97855 03 p0382 N91-12130 #
ETN-90-97856 03 p0424 N91-12375 #
ETN-90-97857 02 p0191 N91-11066 #
ETN-90-97858 02 p0229 N91-11281 #
ETN-90-97859 02 p0209 N91-11168 #
ETN-90-97860 04 p0487 N91-12708 #
ETN-90-97861 02 p0262 N91-11463 #
ETN-90-97862 02 p0181 N91-11017 #
ETN-90-97863 02 p0266 N91-11490 #
ETN-90-97864 02 p0209 N91-11169 #
ETN-90-97865 01 p0043 N91-10256 #
ETN-90-97866 01 p0043 N91-10257 #
ETN-90-97867 02 p0192 N91-11077 #
ETN-90-97868 02 p0282 N91-11588 #
ETN-90-97869 02 p0266 N91-11491 #
ETN-90-97871 01 p0127 N91-10753
ETN-90-97872 01 p0137 N91-10808
ETN-90-97873 03 p0390 N91-12174 #
ETN-90-97875 01 p0137 N91-10809 #
ETN-90-97876 01 p0048 N91-10286 #
ETN-90-97877 02 p0270 N91-11517
ETN-90-97878 02 p0166 N91-10963 #
ETN-90-97879 02 p0181 N91-11018 #
ETN-90-97880 04 p0497 N91-12757 #
ETN-90-97881 04 p0584 N91-13259 #
ETN-90-97882 02 p0215 N91-11201 #
ETN-90-97883 01 p0023 N91-10136 #
ETN-90-97884 03 p0320 N91-11788 #
ETN-90-97885 01 p0018 N91-10109 #
ETN-90-97886 03 p0364 N91-12039 #
ETN-90-97887 03 p0326 N91-11811 #
ETN-90-97888 03 p0385 N91-12145 #
ETN-90-97889 01 p0043 N91-10258 #
ETN-90-97890 04 p0579 N91-13224 #
ETN-90-97891 03 p0310 N91-11740 #
ETN-90-97892 03 p0310 N91-11741 #
ETN-90-97893 02 p0289 N91-11621 #
ETN-90-97894 02 p0215 N91-11202 #
ETN-90-97895 02 p0239 N91-11335 #
ETN-90-97896 04 p0546 N91-13028 #
ETN-90-97897 02 p0191 N91-11067 #
ETN-90-97898 02 p0224 N91-11253 #
ETN-90-97899 02 p0203 N91-11137 #
ETN-90-97900 02 p0181 N91-11019 #
ETN-90-97901 02 p0215 N91-11203 #
ETN-90-97902 02 p0203 N91-11138 #
ETN-90-97903 02 p0213 N91-11193 #
ETN-90-97904 03 p0426 N91-12384 #
ETN-90-97905 03 p0391 N91-12175 #
ETN-90-97906 03 p0339 N91-11898 #
ETN-90-97907 03 p0385 N91-12146 #
ETN-90-97908 03 p0312 N91-11747 #
ETN-90-97909 03 p0374 N91-12093 #
ETN-90-97910 03 p0382 N91-12131 #
ETN-90-97911 04 p0490 N91-12725 #
ETN-90-97912 01 p0116 N91-10683 #
ETN-90-97913 01 p0116 N91-10684 #
ETN-90-97914 01 p0116 N91-10685 #
ETN-90-97915 01 p0127 N91-10754 #
ETN-90-97916 01 p0006 N91-10035 #
ETN-90-97917 01 p0049 N91-10292 #
ETN-90-97918 01 p0112 N91-10654 #
ETN-90-97919 01 p0006 N91-10036 #
ETN-90-97920 01 p0110 N91-10644 #
ETN-90-97921 01 p0039 N91-10229 #
ETN-90-97922 01 p0046 N91-10272 #
ETN-90-97923 01 p0110 N91-10645 #
ETN-90-97924 01 p0111 N91-10646 #
ETN-90-97925 04 p0571 N91-13171 #
ETN-90-97926 01 p0006 N91-10037 #
ETN-90-97927 01 p0044 N91-10259 #
ETN-90-97928 01 p0011 N91-10066 #
ETN-90-97929 01 p0011 N91-10067 #
ETN-90-97930 01 p0050 N91-10297 #
ETN-90-97931 02 p0234 N91-11307 #
ETN-90-97932 02 p0198 N91-11107 #
ETN-90-97933 02 p0181 N91-11020 #
ETN-90-97934 02 p0181 N91-11021 #
ETN-90-97935 02 p0192 N91-11073 #
ETN-90-97936 02 p0255 N91-11416 #
ETN-90-97937 02 p0226 N91-11266 #
ETN-90-97938 01 p0044 N91-10260 #
ETN-90-97939 01 p0011 N91-10068 #
ETN-90-97940 01 p0011 N91-10069 #
ETN-90-97941 01 p0012 N91-10070 #
ETN-90-97942 01 p0023 N91-10137 #
ETN-90-97943 03 p0342 N91-11915 #
ETN-90-97944 01 p0044 N91-10261 #
ETN-90-97945 01 p0010 N91-10056 #
ETN-90-97946 01 p0119 N91-10704 #
ETN-90-97947 01 p0111 N91-10647 #
ETN-90-97948 01 p0028 N91-10168 #
ETN-90-97949 01 p0057 N91-10336 #
ETN-90-97950 01 p0012 N91-10071 #
ETN-90-97951 01 p0044 N91-10262 #
ETN-90-97952 01 p0057 N91-10337 #
ETN-90-97953 03 p0375 N91-12098 #
ETN-90-97954 03 p0410 N91-12293 #
ETN-90-97955 01 p0012 N91-10072 #
ETN-90-97956 01 p0012 N91-10073 #
ETN-90-97957 01 p0023 N91-10138 #
ETN-90-97958 01 p0012 N91-10074 #
ETN-90-97959 01 p0012 N91-10075 #
ETN-90-97960 01 p0012 N91-10076 #
ETN-90-97961 01 p0050 N91-10298 #
ETN-90-97962 01 p0033 N91-10197 #
ETN-90-97963 01 p0023 N91-10139 #
ETN-90-97964 03 p0435 N91-12435 #
ETN-90-97965 03 p0435 N91-12436 #
ETN-90-97966 03 p0418 N91-12341 #
ETN-90-97967 03 p0322 N91-11795 #
ETN-90-97968 09 p1325 N91-17278
ETN-90-97969 09 p1301 N91-17142
ETN-90-97970 07 p1062 N91-15841
ETN-90-97971 07 p1022 N91-15611
ETN-90-97972 06 p0807 N91-14453
ETN-90-97973 01 p0094 N91-10547 #
ETN-90-97974 01 p0033 N91-10198 #
ETN-90-97975 03 p0417 N91-12331 #
ETN-90-97976 03 p0424 N91-12376 #
ETN-90-97977 04 p0536 N91-12970 #
ETN-90-97978 01 p0122 N91-10724 #
ETN-90-97979 02 p0297 N91-11665 #
ETN-90-97981 02 p0235 N91-11312 #
ETN-90-97982 02 p0272 N91-11528 #
ETN-90-97983 02 p0272 N91-11529 #
ETN-90-97984 02 p0272 N91-11530 #
ETN-90-97985 02 p0273 N91-11531 #
ETN-90-97986 02 p0267 N91-11496 #
ETN-90-97987 02 p0274 N91-11541 #
ETN-90-97988 01 p0044 N91-10263 #
ETN-90-97989 02 p0228 N91-11274 #
ETN-90-97990 03 p0326 N91-11812 #
ETN-90-97991 04 p0548 N91-13042 #
ETN-90-97992 03 p0392 N91-12182 #
ETN-90-97993 03 p0385 N91-12147 #
ETN-90-97994 05 p0700 N91-13897 #
ETN-90-97995 03 p0356 N91-11993 #
ETN-90-97996 04 p0560 N91-13107 #
ETN-90-97997 03 p0402 N91-12237 #
ETN-90-97998 03 p0439 N91-12455 #
ETN-90-97999 02 p0214 N91-11197 #
ETN-90-98000 02 p0248 N91-11381 #
ETN-90-98001 02 p0263 N91-11473 #
ETN-90-98002 02 p0214 N91-11198 #
ETN-90-98003 02 p0166 N91-10965 #
ETN-90-98004 02 p0214 N91-11199 #
ETN-90-98005 03 p0311 N91-11742 #
ETN-90 98006 03 p0413 N91-12311 #
ETN-90-98007 03 p0365 N91-12046 #
ETN-90-98008 03 p0365 N91-12047 #
ETN-90-98009 03 p0301 N91-11680 #
ETN-90-98010 03 p0360 N91-12015 #
ETN-90-98011 03 p0357 N91-11994 #

ETN-90-98012 ..... 03 p0415 N91-12321 #
ETN-90-98013 ..... 03 p0357 N91-11995 #
ETN-90-98014 ..... 03 p0369 N91-12069 #
ETN-90-98015 ..... 02 p0217 N91-11211 #
ETN-90-98016 ..... 02 p0199 N91-11117 #
ETN-90-98017 ..... 02 p0195 N91-11090 #
ETN-90-98018 ..... 02 p0192 N91-11075 #
ETN-90-98019 ..... 02 p0202 N91-11133 #
ETN-90-98020 ..... 02 p0241 N91-11345 #
ETN-90-98021 ..... 02 p0282 N91-11587 #
ETN-90-98022 ..... 04 p0528 N91-12925 #
ETN-90-98023 ..... 04 p0470 N91-12633 #
ETN-90-98024 ..... 04 p0526 N91-12917 #
ETN-90-98025 ..... 04 p0512 N91-12847 #
ETN-90-98026 ..... 04 p0538 N91-12981 #
ETN-90-98027 ..... 04 p0538 N91-12982 #
ETN-90-98028 ..... 04 p0471 N91-12642 #
ETN-90-98029 ..... 04 p0530 N91-12942 #
ETN-90-98031 ..... 03 p0371 N91-12077 #
ETN-90-98032 ..... 03 p0371 N91-12078 #
ETN-90-98033 ..... 03 p0366 N91-12048 #
ETN-90-98034 ..... 03 p0366 N91-12049 #
ETN-90-98035 ..... 03 p0415 N91-12322 #
ETN-90-98036 ..... 03 p0366 N91-12050 #
ETN-90-98037 ..... 04 p0506 N91-12807 #
ETN-90-98038 ..... 04 p0530 N91-12943 #
ETN-90-98039 ..... 03 p0367 N91-12057 #
ETN-90-98040 ..... 03 p0385 N91-12149 #
ETN-90-98041 ..... 03 p0367 N91-12058 #
ETN-90-98042 ..... 03 p0349 N91-11951 #
ETN-90-98043 ..... 03 p0342 N91-11917 #
ETN-90-98044 ..... 03 p0369 N91-12070 #
ETN-90-98045 ..... 03 p0342 N91-11918 #
ETN-90-98046 ..... 03 p0368 N91-12059 #
ETN-90-98047 ..... 04 p0540 N91-12992 #
ETN-90-98048 ..... 03 p0371 N91-12080 #
ETN-90-98049 ..... 03 p0425 N91-12381 #
ETN-90-98050 ..... 03 p0435 N91-12434 #
ETN-90-98051 ..... 04 p0579 N91-13223 #
ETN-90-98052 ..... 04 p0582 N91-13244 #
ETN-90-98053 ..... 04 p0574 N91-13188 #
ETN-90-98054 ..... 04 p0574 N91-13189 #
ETN-90-98055 ..... 04 p0574 N91-13190 #
ETN-90-98056 ..... 04 p0476 N91-12659 #
ETN-90-98057 ..... 04 p0479 N91-12674 #
ETN-90-98058 ..... 04 p0480 N91-12675 #
ETN-90-98059 ..... 03 p0411 N91-12294 #
ETN-90-98060 ..... 03 p0412 N91-12304 #
ETN-90-98061 ..... 03 p0411 N91-12295 #
ETN-90-98062 ..... 03 p0411 N91-12296 #
ETN-90-98063 ..... 03 p0411 N91-12297 #
ETN-90-98064 ..... 03 p0402 N91-12238 #
ETN-90-98065 ..... 03 p0411 N91-12298 #
ETN-90-98066 ..... 03 p0412 N91-12305 #
ETN-90-98067 ..... 03 p0411 N91-12299 #
ETN-90-98068 ..... 04 p0571 N91-13173 #
ETN-90-98069 ..... 04 p0572 N91-13174 #
ETN-90-98070 ..... 04 p0572 N91-13175 #
ETN-90-98071 ..... 04 p0533 N91-12958 #
ETN-90-98072 ..... 03 p0402 N91-12239 #
ETN-90-98073 ..... 03 p0403 N91-12240 #
ETN-90-98074 ..... 03 p0403 N91-12241 #
ETN-90-98075 ..... 03 p0403 N91-12242 #
ETN-90-98076 ..... 03 p0407 N91-12272 #
ETN-90-98077 ..... 03 p0403 N91-12243 #
ETN-90-98078 ..... 03 p0407 N91-12273 #
ETN-90-98079 ..... 03 p0407 N91-12274 #
ETN-90-98080 ..... 03 p0407 N91-12275 #
ETN-90-98081 ..... 03 p0408 N91-12276 #
ETN-90-98082 ..... 03 p0411 N91-12300 #
ETN-90-98083 ..... 03 p0403 N91-12244 #
ETN-90-98084 ..... 03 p0403 N91-12245 #
ETN-90-98085 ..... 03 p0403 N91-12246 #
ETN-90-98086 ..... 03 p0404 N91-12247 #
ETN-90-98087 ..... 03 p0404 N91-12248 #
ETN-90-98088 ..... 03 p0412 N91-12301 #
ETN-90-98089 ..... 03 p0404 N91-12249 #
ETN-90-98090 ..... 03 p0404 N91-12250 #
ETN-90-98091 ..... 03 p0404 N91-12251 #
ETN-90-98092 ..... 03 p0404 N91-12252 #
ETN-90-98093 ..... 03 p0398 N91-12209 #
ETN-90-98094 ..... 03 p0412 N91-12302 #
ETN-90-98095 ..... 03 p0408 N91-12277 #
ETN-90-98096 ..... 03 p0405 N91-12253 #
ETN-90-98097 ..... 05 p0701 N91-13905 #
ETN-90-98098 ..... 04 p0568 N91-13153 #
ETN-90-98099 ..... 04 p0574 N91-13191 #
ETN-90-98100 ..... 04 p0574 N91-13192 #
ETN-90-98101 ..... 04 p0575 N91-13193 #
ETN-90-98102 ..... 04 p0575 N91-13194 #
ETN-90-98103 ..... 04 p0577 N91-13212 #
ETN-90-98104 ..... 04 p0575 N91-13195 #
ETN-90-98105 ..... 04 p0575 N91-13196 #
ETN-90-98106 ..... 04 p0575 N91-13197 #
ETN-90-98107 ..... 05 p0711 N91-13964 #
ETN-90-98108 ..... 04 p0577 N91-13213 #
ETN-90-98109 ..... 04 p0577 N91-13214 #
ETN-90-98110 ..... 04 p0571 N91-13167 #
ETN-90-98111 ..... 04 p0575 N91-13198 #
ETN-90-98112 ..... 03 p0405 N91-12254 #
ETN-90-98113 ..... 03 p0412 N91-12303 #
ETN-90-98114 ..... 03 p0405 N91-12255 #
ETN-90-98115 ..... 03 p0405 N91-12256 #
ETN-90-98116 ..... 03 p0405 N91-12257 #
ETN-90-98117 ..... 03 p0405 N91-12258 #
ETN-90-98118 ..... 03 p0405 N91-12259 #
ETN-90-98119 ..... 03 p0405 N91-12260 #
ETN-90-98120 ..... 03 p0406 N91-12261 #
ETN-90-98121 ..... 03 p0398 N91-12211 #
ETN-90-98122 ..... 05 p0709 N91-13954 #
ETN-90-98123 ..... 04 p0565 N91-13138 #
ETN-90-98124 ..... 04 p0565 N91-13139 #
ETN-90-98125 ..... 04 p0565 N91-13140 #
ETN-90-98126 ..... 04 p0575 N91-13199 #
ETN-90-98127 ..... 04 p0566 N91-13141 #
ETN-90-98128 ..... 04 p0568 N91-13154 #
ETN-90-98129 ..... 04 p0569 N91-13155 #
ETN-90-98130 ..... 04 p0569 N91-13156 #
ETN-90-98131 ..... 04 p0566 N91-13142 #
ETN-90-98132 ..... 06 p0863 N91-14767 #
ETN-90-98133 ..... 06 p0864 N91-14777 #
ETN-90-98134 ..... 06 p0858 N91-14736 #
ETN-90-98135 ..... 06 p0867 N91-14793 #
ETN-90-98136 ..... 03 p0361 N91-12024 #
ETN-90-98138 ..... 03 p0417 N91-12333 #
ETN-90-98139 ..... 03 p0408 N91-12278 #
ETN-90-98140 ..... 03 p0391 N91-12176 #
ETN-90-98142 ..... 03 p0391 N91-12177 #
ETN-90-98145 ..... 03 p0393 N91-12187 #
ETN-90-98146 ..... 03 p0350 N91-11952 #
ETN-90-98147 ..... 03 p0339 N91-11902 #
ETN-90-98148 ..... 03 p0339 N91-11903 #
ETN-90-98149 ..... 03 p0312 N91-11749 #
ETN-90-98150 ..... 06 p0785 N91-14352 #
ETN-90-98151 ..... 06 p0884 N91-14886 #
ETN-90-98152 ..... 04 p0472 N91-12643
ETN-90-98153 ..... 06 p0777 N91-14306 #
ETN-90-98154 ..... 07 p0939 N91-15145 #
ETN-90-98155 ..... 04 p0480 N91-12676 #
ETN-90-98156 ..... 04 p0499 N91-12770 #
ETN-90-98157 ..... 04 p0493 N91-12740 #
ETN-90-98158 ..... 04 p0493 N91-12741 #
ETN-90-98159 ..... 04 p0493 N91-12742 #
ETN-90-98160 ..... 04 p0493 N91-12743 #
ETN-90-98161 ..... 04 p0494 N91-12744 #
ETN-90-98162 ..... 04 p0499 N91-12771 #
ETN-90-98163 ..... 04 p0520 N91-12896 #
ETN-90-98164 ..... 04 p0556 N91-13079 #
ETN-90-98165 ..... 04 p0578 N91-13217 #
ETN-90-98176 ..... 04 p0582 N91-13245 #
ETN-90-98177 ..... 04 p0582 N91-13246 #
ETN-90-98178 ..... 04 p0520 N91-12897 #
ETN-90-98179 ..... 04 p0566 N91-13143 #
ETN-90-98180 ..... 04 p0503 N91-12794 #
ETN-90-98181 ..... 04 p0530 N91-12944 #
ETN-90-98182 ..... 04 p0592 N91-13308 #
ETN-90-98183 ..... 04 p0566 N91-13144 #
ETN-90-98184 ..... 04 p0575 N91-13200 #
ETN-90-98185 ..... 04 p0578 N91-13218 #
ETN-90-98186 ..... 04 p0516 N91-12872 #
ETN-90-98187 ..... 04 p0571 N91-13168 #
ETN-90-98188 ..... 04 p0609 N91-13388 #
ETN-90-98189 ..... 04 p0476 N91-12660 #
ETN-90-98190 ..... 04 p0472 N91-12644 #
ETN-90-98191 ..... 04 p0524 N91-12915 #
ETN-90-98192 ..... 04 p0472 N91-12645 #
ETN-90-98193 ..... 04 p0524 N91-12916 #
ETN-90-98194 ..... 04 p0533 N91-12955 #
ETN-90-98195 ..... 04 p0586 N91-13273 #
ETN-90-98196 ..... 04 p0472 N91-12646 #
ETN-90-98197 ..... 04 p0531 N91-12945 #
ETN-90-98198 ..... 04 p0566 N91-13145 #
ETN-90-98199 ..... 04 p0575 N91-13201 #
ETN-90-98201 ..... 04 p0576 N91-13202 #
ETN-90-98202 ..... 04 p0569 N91-13157 #
ETN-90-98203 ..... 04 p0569 N91-13158 #
ETN-90-98204 ..... 04 p0556 N91-13080 #
ETN-90-98205 ..... 04 p0571 N91-13169 #
ETN-90-98206 ..... 04 p0566 N91-13146 #
ETN-90-98208 ..... 06 p0863 N91-14768 #
ETN-90-98209 ..... 06 p0833 N91-14604 #
ETN-90-98218 ..... 03 p0409 N91-12287 #
ETN-90-98219 ..... 03 p0311 N91-11744 #
ETN-90-98220 ..... 03 p0311 N91-11745 #
ETN-90-98221 ..... 06 p0833 N91-14605 #
ETN-90-98222 ..... 06 p0801 N91-14423 #
ETN-90-98223 ..... 06 p0864 N91-14773 #
ETN-90-98224 ..... 04 p0571 N91-13170 #
ETN-90-98225 ..... 04 p0538 N91-12983 #
ETN-90-98226 ..... 04 p0527 N91-12923 #
ETN-90-98228 ..... 03 p0318 N91-11780 #
ETN-90-98229 ..... 03 p0318 N91-11781 #

ETN-90-98230 ..... 03 p0361 N91-12025 #
ETN-90-98231 ..... 04 p0538 N91-12984 #
ETN-90-98232 ..... 03 p0449 N91-12507 #
ETN-90-98233 ..... 03 p0415 N91-12323 #
ETN-90-98234 ..... 03 p0450 N91-12513 #
ETN-91-90001 ..... 24 p3983 N91-32246
ETN-91-90004 ..... 23 p3916 N91-31872
ETN-91-90005 ..... 23 p3916 N91-31873
ETN-91-90006 ..... 23 p3855 N91-31496
ETN-91-90007 ..... 23 p3940 N91-32023 #
ETN-91-90008 ..... 23 p3856 N91-31497
ETN-91-90009 ..... 23 p3897 N91-31752
ETN-91-90011 ..... 24 p4114 N91-32994 #
ETN-91-90013 ..... 24 p3960 N91-32129
ETN-91-90014 ..... 24 p4035 N91-32547
ETN-91-90015 ..... 24 p4044 N91-32596
ETN-91-90017 ..... 23 p3929 N91-31957*
ETN-91-90018 ..... 23 p3938 N91-32009*
ETN-91-90019 ..... 23 p3939 N91-32017
ETN-91-90021 ..... 24 p3970 N91-32174
ETN-91-90022 ..... 24 p4083 N91-32808
ETN-91-90023 ..... 24 p4083 N91-32809
ETN-91-90024 ..... 24 p4083 N91-32810
ETN-91-90028 ..... 24 p4013 N91-32435 #
ETN-91-90029 ..... 24 p4013 N91-32437 #
ETN-91-90030 ..... 24 p3966 N91-32159 #
ETN-91-90031 ..... 24 p3962 N91-32142 #
ETN-91-90032 ..... 24 p4039 N91-32568 #
ETN-91-90033 ..... 24 p4041 N91-32581 #
ETN-91-90034 ..... 24 p4115 N91-33001 #
ETN-91-90035 ..... 24 p4035 N91-32542 #
ETN-91-90036 ..... 24 p4035 N91-32543 #
ETN-91-90037 ..... 24 p4020 N91-32468 #
ETN-91-90038 ..... 24 p3962 N91-32139 #
ETN-91-90039 ..... 24 p3960 N91-32131 #
ETN-91-90040 ..... 24 p3983 N91-32249 #
ETN-91-90042 ..... 24 p3954 N91-32090 #
ETN-91-90043 ..... 24 p4014 N91-32439 #
ETN-91-90044 ..... 24 p4072 N91-32748 #
ETN-91-90045 ..... 24 p3949 N91-32076 #
ETN-91-90046 ..... 24 p4101 N91-32914 #
ETN-91-90050 ..... 24 p4020 N91-32469 #
ETN-91-90053 ..... 24 p3975 N91-32203 #
ETN-91-90054 ..... 24 p4118 N91-33015 #
ETN-91-90055 ..... 24 p3972 N91-32188 #
ETN-91-90056 ..... 24 p3963 N91-32148 #
ETN-91-90057 ..... 24 p4035 N91-32548
ETN-91-90058 ..... 24 p3970 N91-32175 #
ETN-91-90060 ..... 24 p3978 N91-32223 #
ETN-91-90061 ..... 24 p3970 N91-32176 #
ETN-91-90062 ..... 24 p4083 N91-32811 #
ETN-91-90067 ..... 24 p3964 N91-32152 #
ETN-91-90068 ..... 24 p4010 N91-32420 #
ETN-91-90069 ..... 24 p4010 N91-32421 #
ETN-91-90070 ..... 24 p4010 N91-32422 #
ETN-91-90071 ..... 24 p3980 N91-32234 #
ETN-91-90072 ..... 24 p4044 N91-32597 #
ETN-91-90074 ..... 24 p4121 N91-33034 #
ETN-91-97870 ..... 07 p0978 N91-15365 #
ETN-91-97874 ..... 08 p1155 N91-16364 #
ETN-91-97980 ..... 07 p1016 N91-15575 #
ETN-91-98141 ..... 05 p0681 N91-13786 #
ETN-91-98143 ..... 06 p0858 N91-14738 #
ETN-91-98144 ..... 06 p0840 N91-14640 #
ETN-91-98166 ..... 06 p0865 N91-14778 #
ETN-91-98167 ..... 06 p0865 N91-14779 #
ETN-91-98168 ..... 06 p0865 N91-14780 #
ETN-91-98169 ..... 06 p0817 N91-14514 #
ETN-91-98170 ..... 05 p0642 N91-13564 #
ETN-91-98171 ..... 05 p0711 N91-13965 #
ETN-91-98172 ..... 05 p0659 N91-13663 #
ETN-91-98173 ..... 05 p0653 N91-13627 #
ETN-91-98174 ..... 05 p0722 N91-14027 #
ETN-91-98175 ..... 05 p0728 N91-14065 #
ETN-91-98200 ..... 05 p0710 N91-13960 #
ETN-91-98207 ..... 05 p0703 N91-13916 #
ETN-91-98210 ..... 06 p0864 N91-14774 #
ETN-91-98211 ..... 06 p0864 N91-14775 #
ETN-91-98212 ..... 06 p0829 N91-14582 #
ETN-91-98213 ..... 05 p0671 N91-13728 #
ETN-91-98214 ..... 05 p0653 N91-13628 #
ETN-91-98215 ..... 05 p0698 N91-13889 #
ETN-91-98216 ..... 05 p0653 N91-13629 #
ETN-91-98217 ..... 05 p0667 N91-13708 #
ETN-91-98227 ..... 07 p0949 N91-15208 #
ETN-91-98259 ..... 05 p0688 N91-13827 #
ETN-91-98260 ..... 05 p0616 N91-13415 #
ETN-91-98261 ..... 08 p1089 N91-15977 #
ETN-91-98262 ..... 07 p0990 N91-15434 #
ETN-91-98263 ..... 05 p0678 N91-13768* #
ETN-91-98264 ..... 05 p0678 N91-13769 #
ETN-91-98265 ..... 05 p0616 N91-13416 #
ETN-91-98266 ..... 05 p0684 N91-13801 #
ETN-91-98267 ..... 05 p0616 N91-13417 #
ETN-91-98268 ..... 05 p0678 N91-13770 #
ETN-91-98269 ..... 05 p0678 N91-13771 #
ETN-91-98270 ..... 05 p0622 N91-13448 #
ETN-91-98271 ..... 05 p0678 N91-13772 #
ETN-91-98272 ..... 05 p0643 N91-13567 #
ETN-91-98273 ..... 05 p0636 N91-13528 #
ETN-91-98274 ..... 05 p0637 N91-13529 #
ETN-91-98275 ..... 05 p0637 N91-13530 #
ETN-91-98276 ..... 05 p0637 N91-13531 #
ETN-91-98277 ..... 05 p0703 N91-13921 #
ETN-91-98278 ..... 05 p0703 N91-13922 #
ETN-91-98279 ..... 05 p0699 N91-13891 #
ETN-91-98280 ..... 05 p0649 N91-13600 #
ETN-91-98281 ..... 05 p0688 N91-13828 #
ETN-91-98282 ..... 05 p0704 N91-13923 #
ETN-91-98283 ..... 05 p0704 N91-13924 #
ETN-91-98284 ..... 05 p0649 N91-13601
ETN-91-98285 ..... 05 p0654 N91-13632
ETN-91-98286 ..... 05 p0654 N91-13633
ETN-91-98287 ..... 05 p0704 N91-13925
ETN-91-98288 ..... 05 p0649 N91-13602
ETN-91-98289 ..... 05 p0649 N91-13603
ETN-91-98290 ..... 05 p0649 N91-13604
ETN-91-98291 ..... 05 p0654 N91-13634
ETN-91-98292 ..... 05 p0654 N91-13635
ETN-91-98293 ..... 05 p0649 N91-13605
ETN-91-98294 ..... 05 p0674 N91-13747
ETN-91-98295 ..... 05 p0674 N91-13748
ETN-91-98296 ..... 05 p0622 N91-13450
ETN-91-98297 ..... 05 p0650 N91-13606
ETN-91-98298 ..... 05 p0695 N91-13871
ETN-91-98299 ..... 05 p0654 N91-13636
ETN-91-98300 ..... 05 p0650 N91-13607
ETN-91-98301 ..... 05 p0699 N91-13892
ETN-91-98302 ..... 05 p0690 N91-13838
ETN-91-98304 ..... 05 p0618 N91-13431
ETN-91-98305 ..... 08 p1130 N91-16213
ETN-91-98306 ..... 05 p0626 N91-13468
ETN-91-98307 ..... 05 p0695 N91-13872
ETN-91-98308 ..... 05 p0695 N91-13873
ETN-91-98309 ..... 05 p0717 N91-14003
ETN-91-98310 ..... 08 p1242 N91-16846
ETN-91-98311 ..... 08 p1195 N91-16568
ETN-91-98313 ..... 10 p1564 N91-18601
ETN-91-98314 ..... 05 p0682 N91-13789
ETN-91-98315 ..... 05 p0696 N91-13874
ETN-91-98316 ..... 05 p0650 N91-13608
ETN-91-98317 ..... 05 p0697 N91-13881
ETN-91-98318 ..... 05 p0682 N91-13790
ETN-91-98319 ..... 05 p0690 N91-13840
ETN-91-98320 ..... 05 p0682 N91-13791 #
ETN-91-98321 ..... 08 p1205 N91-16628 #
ETN-91-98322 ..... 08 p1151 N91-16337 #
ETN-91-98323 ..... 08 p1136 N91-16249 #
ETN-91-98324 ..... 05 p0626 N91-13471 #
ETN-91-98325 ..... 05 p0672 N91-13738 #
ETN-91-98326 ..... 05 p0672 N91-13739 #
ETN-91-98327 ..... 05 p0673 N91-13740 #
ETN-91-98328 ..... 05 p0637 N91-13532 #
ETN-91-98329 ..... 05 p0632 N91-13504 #
ETN-91-98330 ..... 05 p0673 N91-13741 #
ETN-91-98331 ..... 05 p0703 N91-13917 #
ETN-91-98332 ..... 12 p1868 N91-20263 #
ETN-91-98333 ..... 05 p0673 N91-13742 #
ETN-91-98334 ..... 05 p0646 N91-13583 #
ETN-91-98335 ..... 05 p0637 N91-13533 #
ETN-91-98336 ..... 05 p0674 N91-13749 #
ETN-91-98337 ..... 05 p0679 N91-13775 #
ETN-91-98338 ..... 05 p0679 N91-13776 #
ETN-91-98339 ..... 05 p0660 N91-13664 #
ETN-91-98340 ..... 05 p0653 N91-13630 #
ETN-91-98341 ..... 05 p0660 N91-13665 #
ETN-91-98342 ..... 07 p0949 N91-15212 #
ETN-91-98343 ..... 07 p0947 N91-15192 #
ETN-91-98344 ..... 06 p0916 N91-15046 #
ETN-91-98345 ..... 05 p0731 N91-14083 #
ETN-91-98346 ..... 07 p1068 N91-15873 #
ETN-91-98347 ..... 07 p1005 N91-15517 #
ETN-91-98348 ..... 05 p0733 N91-14095 #
ETN-91-98349 ..... 05 p0660 N91-13666 #
ETN-91-98350 ..... 05 p0703 N91-13918 #
ETN-91-98351 ..... 05 p0703 N91-13919 #
ETN-91-98352 ..... 05 p0708 N91-13947 #
ETN-91-98353 ..... 05 p0708 N91-13948 #
ETN-91-98354 ..... 05 p0710 N91-13961 #
ETN-91-98355 ..... 05 p0703 N91-13920 #
ETN-91-98357 ..... 05 p0618 N91-13426 #
ETN-91-98358 ..... 05 p0618 N91-13427 #
ETN-91-98359 ..... 05 p0660 N91-13667 #
ETN-91-98361 ..... 05 p0688 N91-13829 #
ETN-91-98362 ..... 05 p0622 N91-13451 #
ETN-91-98363 ..... 05 p0626 N91-13472 #
ETN-91-98364 ..... 05 p0697 N91-13882 #
ETN-91-98365 ..... 05 p0679 N91-13777 #
ETN-91-98366 ..... 06 p0783 N91-14341 #
ETN-91-98367 ..... 05 p0731 N91-14085 #
ETN-91-98368 ..... 05 p0633 N91-13505 #
ETN-91-98369 ..... 05 p0661 N91-13672 #

ETN-91-98370	05	p0704	N91-13926	
ETN-91-98371	05	p0711	N91-13968	
ETN-91-98372	05	p0643	N91-13568	
ETN-91-98373	05	p0694	N91-13868	
ETN-91-98374	05	p0697	N91-13883	#
ETN-91-98375	05	p0697	N91-13884	#
ETN-91-98376	05	p0679	N91-13778	#
ETN-91-98377	05	p0712	N91-13974	#
ETN-91-98378	05	p0712	N91-13975	#
ETN-91-98379	05	p0690	N91-13839	#
ETN-91-98380	05	p0617	N91-13423	
ETN-91-98381	05	p0616	N91-13418	
ETN-91-98382	05	p0714	N91-13984	
ETN-91-98383	05	p0769	N91-14272	
ETN-91-98384	05	p0686	N91-13816	
ETN-91-98385	05	p0688	N91-13830	
ETN-91-98386	05	p0710	N91-13963	
ETN-91-98387	05	p0704	N91-13927	
ETN-91-98388	07	p0995	N91-15458	
ETN-91-98389	07	p1063	N91-15845	
ETN-91-98390	08	p1195	N91-16569	
ETN-91-98391	07	p1008	N91-15537	
ETN-91-98392	08	p1156	N91-16365	
ETN-91-98393	07	p0995	N91-15461	
ETN-91-98394	07	p0995	N91-15462	
ETN-91-98395	08	p1156	N91-16366	
ETN-91-98396	07	p0995	N91-15463	
ETN-91-98397	07	p0995	N91-15464	
ETN-91-98398	07	p1010	N91-15547	#
ETN-91-98399	07	p0971	N91-15330	#
ETN-91-98400	08	p1269	N91-16987	#
ETN-91-98401	07	p0971	N91-15331	#
ETN-91-98402	08	p1106	N91-16070	#
ETN-91-98403	08	p1218	N91-16705	#
ETN-91-98404	09	p1395	N91-17675	#
ETN-91-98405	09	p1395	N91-17676	#
ETN-91-98406	07	p1066	N91-15861	#
ETN-91-98407	07	p1039	N91-15699	#
ETN-91-98408	08	p1098	N91-16030	#
ETN-91-98409	08	p1099	N91-16035	#
ETN-91-98410	07	p1023	N91-15613	#
ETN-91-98411	08	p1134	N91-16241	#
ETN-91-98412	08	p1126	N91-16192	#
ETN-91-98413	08	p1127	N91-16193	#
ETN-91-98414	09	p1326	N91-17283	#
ETN-91-98415	09	p1379	N91-17580	#
ETN-91-98416	07	p1066	N91-15862	#
ETN-91-98417	07	p1066	N91-15863	#
ETN-91-98418	07	p1050	N91-15766	#
ETN-91-98419	07	p1057	N91-15806	#
ETN-91-98420	07	p1051	N91-15767	#
ETN-91-98421	07	p1057	N91-15807	#
ETN-91-98422	08	p1200	N91-16597	#
ETN-91-98423	07	p1057	N91-15808	#
ETN-91-98424	07	p1053	N91-15785	#
ETN-91-98425	07	p1053	N91-15786	#
ETN-91-98426	07	p1054	N91-15787	#
ETN-91-98427	07	p1051	N91-15768	#
ETN-91-98428	08	p1200	N91-16598	#
ETN-91-98429	08	p1209	N91-16651	#
ETN-91-98430	08	p1209	N91-16652	#
ETN-91-98431	07	p1057	N91-15809	#
ETN-91-98432	07	p1057	N91-15810	#
ETN-91-98433	08	p1124	N91-16178	#
ETN-91-98434	07	p1058	N91-15811	#
ETN-91-98435	07	p1054	N91-15788	#
ETN-91-98436	07	p1058	N91-15812	#
ETN-91-98437	07	p1061	N91-15834	#
ETN-91-98438	07	p1058	N91-15813	#
ETN-91-98439	07	p1058	N91-15814	#
ETN-91-98440	09	p1387	N91-17628	#
ETN-91-98441	07	p1058	N91-15815	#
ETN-91-98442	07	p1020	N91-15600	#
ETN-91-98443	07	p1058	N91-15816	#
ETN-91-98444	07	p1003	N91-15507	#
ETN-91-98445	07	p1061	N91-15835	#
ETN-91-98446	07	p1058	N91-15817	#
ETN-91-98447	07	p1058	N91-15818	#
ETN-91-98448	07	p1059	N91-15819	#
ETN-91-98449	07	p1059	N91-15820	#
ETN-91-98450	07	p1059	N91-15821	#
ETN-91-98451	07	p1059	N91-15822	#
ETN-91-98452	07	p1003	N91-15508	#
ETN-91-98453	07	p1059	N91-15823	#
ETN-91-98454	07	p1059	N91-15824	#
ETN-91-98455	08	p1200	N91-16599	#
ETN-91-98456	08	p1200	N91-16600	#
ETN-91-98457	08	p1209	N91-16653	#
ETN-91-98458	08	p1209	N91-16654	#
ETN-91-98459	07	p1059	N91-15825	#
ETN-91-98460	08	p1209	N91-16655	#
ETN-91-98461	08	p1210	N91-16656	#
ETN-91-98462	08	p1210	N91-16657	#
ETN-91-98463	08	p1167	N91-16425	#
ETN-91-98464	08	p1167	N91-16426	#
ETN-91-98465	08	p1168	N91-16427	#
ETN-91-98466	08	p1168	N91-16428	#
ETN-91-98467	10	p1538	N91-18464	#
ETN-91-98468	08	p1168	N91-16429	#
ETN-91-98469	08	p1168	N91-16430	#
ETN-91-98470	08	p1168	N91-16431	#
ETN-91-98471	10	p1538	N91-18465	#
ETN-91-98472	08	p1094	N91-16005	#
ETN-91-98473	08	p1243	N91-16848	#
ETN-91-98474	08	p1116	N91-16133	#
ETN-91-98475	08	p1146	N91-16307	#
ETN-91-98476	08	p1238	N91-16825	#
ETN-91-98477	08	p1146	N91-16308	#
ETN-91-98478	08	p1230	N91-16780	#
ETN-91-98479	08	p1208	N91-16644	#
ETN-91-98480	08	p1146	N91-16309	#
ETN-91-98481	08	p1113	N91-16113	#
ETN-91-98482	08	p1136	N91-16250	#
ETN-91-98483	08	p1120	N91-16157	#
ETN-91-98484	08	p1151	N91-16338	#
ETN-91-98485	08	p1219	N91-16710	#
ETN-91-98486	08	p1112	N91-16111	#
ETN-91-98487	08	p1238	N91-16826	#
ETN-91-98488	08	p1124	N91-16179	#
ETN-91-98489	08	p1147	N91-16313	#
ETN-91-98490	08	p1093	N91-16000	#
ETN-91-98491	08	p1091	N91-15988	#
ETN-91-98492	08	p1265	N91-16967	#
ETN-91-98493	07	p0937	N91-15135	#
ETN-91-98494	07	p0937	N91-15136	#
ETN-91-98495	07	p1010	N91-15548	#
ETN-91-98496	07	p0995	N91-15465	#
ETN-91-98497	07	p1051	N91-15769	#
ETN-91-98498	07	p0996	N91-15466	#
ETN-91-98499	07	p0999	N91-15485	#
ETN-91-98500	07	p1074	N91-15912	#
ETN-91-98501	07	p1010	N91-15549	#
ETN-91-98502	07	p0937	N91-15137	#
ETN-91-98503	08	p1230	N91-16781	#
ETN-91-98504	08	p1240	N91-16834	#
ETN-91-98505	07	p0978	N91-15366	#
ETN-91-98506	08	p1224	N91-16745	#
ETN-91-98507	08	p1212	N91-16669	#
ETN-91-98508	08	p1123	N91-16173	#
ETN-91-98509	08	p1104	N91-16060	#
ETN-91-98510	10	p1543	N91-18491	#
ETN-91-98511	08	p1113	N91-16112	#
ETN-91-98512	08	p1136	N91-16251	#
ETN-91-98513	08	p1116	N91-16134	#
ETN-91-98514	08	p1243	N91-16849	#
ETN-91-98515	07	p0949	N91-15210	#
ETN-91-98516	07	p0996	N91-15467	#
ETN-91-98517	07	p1011	N91-15550	#
ETN-91-98518	07	p1063	N91-15846	#
ETN-91-98519	07	p1060	N91-15826	#
ETN-91-98520	08	p1210	N91-16658	#
ETN-91-98521	07	p1060	N91-15827	#
ETN-91-98522	07	p1060	N91-15828	#
ETN-91-98523	07	p1060	N91-15829	#
ETN-91-98524	07	p1060	N91-15830	#
ETN-91-98525	07	p1055	N91-15796	#
ETN-91-98526	07	p0945	N91-15181	#
ETN-91-98527	07	p1055	N91-15797	#
ETN-91-98528	07	p0996	N91-15468	#
ETN-91-98529	07	p1029	N91-15648	#
ETN-91-98530	08	p1218	N91-16706	#
ETN-91-98531	07	p1066	N91-15864	#
ETN-91-98532	07	p1061	N91-15836	#
ETN-91-98533	07	p1066	N91-15865	#
ETN-91-98534	07	p1086	N91-15973	#
ETN-91-98535	09	p1297	N91-17122	#
ETN-91-98536	07	p1063	N91-15847	#
ETN-91-98537	07	p1066	N91-15866	#
ETN-91-98538	07	p1067	N91-15867	#
ETN-91-98539	07	p1067	N91-15868	#
ETN-91-98540	07	p0949	N91-15209	#
ETN-91-98541	08	p1130	N91-16214	#
ETN-91-98542	08	p1205	N91-16629	#
ETN-91-98543	08	p1136	N91-16252	#
ETN-91-98544	08	p1092	N91-15997	#
ETN-91-98545	08	p1096	N91-16015	#
ETN-91-98546	08	p1096	N91-16016	#
ETN-91-98547	08	p1096	N91-16017	#
ETN-91-98548	08	p1107	N91-16076	#
ETN-91-98549	08	p1195	N91-16570	#
ETN-91-98550	08	p1206	N91-16630	#
ETN-91-98551	08	p1099	N91-16034	#
ETN-91-98552	08	p1136	N91-16253	#
ETN-91-98553	08	p1146	N91-16310	#
ETN-91-98554	08	p1097	N91-16022	#
ETN-91-98555	08	p1266	N91-16972	#
ETN-91-98556	08	p1266	N91-16973	#
ETN-91-98557	08	p1146	N91-16311	#
ETN-91-98559	08	p1146	N91-16312	#
ETN-91-98560	08	p1147	N91-16314	#
ETN-91-98561	08	p1221	N91-16729	#
ETN-91-98562	08	p1222	N91-16730	#

ETN-91-98563 ..... 08 p1180 N91-16493 #
ETN-91-98564 ..... 08 p1222 N91-16731 #
ETN-91-98565 ..... 08 p1268 N91-16983 #
ETN-91-98566 ..... 08 p1230 N91-16782 #
ETN-91-98567 ..... 08 p1222 N91-16732 #
ETN-91-98568 ..... 08 p1224 N91-16746 #
ETN-91-98569 ..... 08 p1206 N91-16631 #
ETN-91-98570 ..... 08 p1117 N91-16135 #
ETN-91-98571 ..... 08 p1117 N91-16136 #
ETN-91-98572 ..... 08 p1113 N91-16114 #
ETN-91-98573 ..... 08 p1107 N91-16077 #
ETN-91-98574 ..... 08 p1160 N91-16392 #
ETN-91-98575 ..... 08 p1147 N91-16315 #
ETN-91-98576 ..... 08 p1190 N91-16541 #
ETN-91-98577 ..... 08 p1151 N91-16339 #
ETN-91-98578 ..... 08 p1187 N91-16528 #
ETN-91-98579 ..... 08 p1096 N91-16018 #
ETN-91-98580 ..... 08 p1096 N91-16019 #
ETN-91-98581 ..... 08 p1136 N91-16254 #
ETN-91-98582 ..... 08 p1097 N91-16023 #
ETN-91-98583 ..... 08 p1097 N91-16024 #
ETN-91-98584 ..... 08 p1130 N91-16215 #
ETN-91-98585 ..... 08 p1098 N91-16026 #
ETN-91-98586 ..... 09 p1370 N91-17532 #
ETN-91-98587 ..... 10 p1498 N91-18243 #
ETN-91-98588 ..... 10 p1596 N91-18806 #
ETN-91-98589 ..... 10 p1576 N91-18672 #
ETN-91-98590 ..... 10 p1578 N91-18686 #
ETN-91-98591 ..... 08 p1212 N91-16670 #
ETN-91-98592 ..... 08 p1208 N91-16645 #
ETN-91-98593 ..... 08 p1093 N91-15998 #
ETN-91-98594 ..... 08 p1268 N91-16979 #
ETN-91-98595 ..... 10 p1498 N91-18244 #
ETN-91-98596 ..... 08 p1130 N91-16216 #
ETN-91-98597 ..... 08 p1156 N91-16367 #
ETN-91-98600 ..... 11 p1700 N91-19365
ETN-91-98601 ..... 11 p1817 N91-19982
ETN-91-98602 ..... 11 p1817 N91-19976
ETN-91-98603 ..... 08 p1267 N91-16974
ETN-91-98604 ..... 11 p1800 N91-19880
ETN-91-98605 ..... 08 p1267 N91-16975
ETN-91-98606 ..... 08 p1267 N91-16976
ETN-91-98607 ..... 11 p1817 N91-19977
ETN-91-98608 ..... 08 p1180 N91-16494
ETN-91-98609 ..... 08 p1180 N91-16495
ETN-91-98610 ..... 08 p1180 N91-16496
ETN-91-98611 ..... 08 p1267 N91-16977* #
ETN-91-98612 ..... 11 p1817 N91-19978
ETN-91-98613 ..... 08 p1244 N91-16856
ETN-91-98614 ..... 08 p1267 N91-16978
ETN-91-98615 ..... 09 p1426 N91-17847
ETN-91-98616 ..... 09 p1396 N91-17680
ETN-91-98617 ..... 09 p1396 N91-17681
ETN-91-98618 ..... 09 p1396 N91-17682
ETN-91-98619 ..... 10 p1527 N91-18407 #
ETN-91-98620 ..... 10 p1625 N91-18963 #
ETN-91-98621 ..... 10 p1514 N91-18333 #
ETN-91-98622 ..... 09 p1428 N91-17861 #
ETN-91-98623 ..... 10 p1556 N91-18558* #
ETN-91-98624 ..... 10 p1556 N91-18559 #
ETN-91-98625 ..... 10 p1545 N91-18501 #
ETN-91-98626 ..... 10 p1529 N91-18421 #
ETN-91-98627 ..... 10 p1529 N91-18422 #
ETN-91-98628 ..... 10 p1470 N91-18107 #
ETN-91-98629 ..... 10 p1494 N91-18221 #
ETN-91-98630 ..... 10 p1593 N91-18786 #
ETN-91-98631 ..... 10 p1593 N91-18787 #
ETN-91-98632 ..... 10 p1593 N91-18788 #
ETN-91-98633 ..... 10 p1593 N91-18789 #
ETN-91-98634 ..... 10 p1593 N91-18790 #
ETN-91-98635 ..... 10 p1580 N91-18695 #
ETN-91-98636 ..... 10 p1611 N91-18891 #
ETN-91-98637 ..... 09 p1364 N91-17498
ETN-91-98638 ..... 09 p1391 N91-17652
ETN-91-98639 ..... 09 p1391 N91-17653
ETN-91-98640 ..... 09 p1340 N91-17357
ETN-91-98641 ..... 09 p1276 N91-17013
ETN-91-98642 ..... 09 p1274 N91-17003
ETN-91-98643 ..... 08 p1168 N91-16432 #
ETN-91-98644 ..... 08 p1093 N91-16002
ETN-91-98645 ..... 10 p1514 N91-18334
ETN-91-98646 ..... 10 p1514 N91-18335
ETN-91-98647 ..... 10 p1538 N91-18467
ETN-91-98648 ..... 10 p1514 N91-18336
ETN-91-98649 ..... 10 p1580 N91-18696 #
ETN-91-98650 ..... 10 p1576 N91-18675 #
ETN-91-98651 ..... 10 p1570 N91-18634 #
ETN-91-98652 ..... 10 p1588 N91-18754 #
ETN-91-98653 ..... 10 p1588 N91-18755 #
ETN-91-98654 ..... 10 p1570 N91-18635 #
ETN-91-98655 ..... 10 p1580 N91-18697 #
ETN-91-98656 ..... 10 p1570 N91-18636 #
ETN-91-98657 ..... 10 p1577 N91-18676 #
ETN-91-98658 ..... 10 p1570 N91-18637 #
ETN-91-98659 ..... 10 p1514 N91-18337 #
ETN-91-98660 ..... 10 p1577 N91-18677 #
ETN-91-98661 ..... 10 p1580 N91-18698 #
ETN-91-98662 ..... 10 p1577 N91-18678 #
ETN-91-98663 ..... 10 p1586 N91-18744 #
ETN-91-98664 ..... 10 p1515 N91-18338 #
ETN-91-98665 ..... 10 p1571 N91-18638 #
ETN-91-98666 ..... 10 p1577 N91-18679 #
ETN-91-98667 ..... 10 p1577 N91-18680 #
ETN-91-98668 ..... 10 p1577 N91-18681 #
ETN-91-98669 ..... 10 p1566 N91-18611 #
ETN-91-98670 ..... 10 p1577 N91-18682 #
ETN-91-98671 ..... 10 p1571 N91-18639 #
ETN-91-98672 ..... 10 p1571 N91-18640 #
ETN-91-98673 ..... 10 p1578 N91-18683 #
ETN-91-98674 ..... 10 p1571 N91-18641 #
ETN-91-98675 ..... 10 p1571 N91-18642 #
ETN-91-98676 ..... 10 p1588 N91-18756 #
ETN-91-98677 ..... 10 p1571 N91-18643 #
ETN-91-98678 ..... 10 p1566 N91-18612 #
ETN-91-98680 ..... 10 p1580 N91-18699 #
ETN-91-98681 ..... 10 p1572 N91-18644 #
ETN-91-98682 ..... 10 p1586 N91-18745 #
ETN-91-98683 ..... 10 p1572 N91-18645 #
ETN-91-98684 ..... 10 p1578 N91-18687 #
ETN-91-98685 ..... 10 p1580 N91-18700 #
ETN-91-98686 ..... 10 p1572 N91-18646 #
ETN-91-98687 ..... 10 p1581 N91-18701 #
ETN-91-98688 ..... 10 p1581 N91-18702 #
ETN-91-98689 ..... 10 p1581 N91-18703 #
ETN-91-98690 ..... 10 p1581 N91-18704 #
ETN-91-98691 ..... 10 p1525 N91-18396 #
ETN-91-98692 ..... 10 p1578 N91-18688 #
ETN-91-98693 ..... 10 p1581 N91-18705 #
ETN-91-98694 ..... 10 p1581 N91-18706 #
ETN-91-98695 ..... 10 p1581 N91-18707 #
ETN-91-98696 ..... 10 p1589 N91-18757 #
ETN-91-98697 ..... 10 p1563 N91-18599 #
ETN-91-98698 ..... 10 p1565 N91-18605 #
ETN-91-98699 ..... 10 p1565 N91-18606 #
ETN-91-98700 ..... 10 p1572 N91-18647 #
ETN-91-98701 ..... 10 p1581 N91-18708 #
ETN-91-98702 ..... 10 p1572 N91-18648 #
ETN-91-98703 ..... 10 p1572 N91-18649 #
ETN-91-98704 ..... 10 p1587 N91-18746 #
ETN-91-98705 ..... 10 p1572 N91-18650 #
ETN-91-98706 ..... 10 p1579 N91-18689 #
ETN-91-98707 ..... 10 p1573 N91-18651 #
ETN-91-98708 ..... 10 p1573 N91-18652 #
ETN-91-98709 ..... 10 p1573 N91-18653 #
ETN-91-98710 ..... 10 p1573 N91-18654 #
ETN-91-98711 ..... 10 p1581 N91-18709 #
ETN-91-98712 ..... 10 p1586 N91-18741 #
ETN-91-98713 ..... 10 p1582 N91-18710 #
ETN-91-98714 ..... 10 p1582 N91-18711 #
ETN-91-98715 ..... 10 p1573 N91-18655 #
ETN-91-98716 ..... 10 p1574 N91-18656 #
ETN-91-98717 ..... 10 p1582 N91-18712 #
ETN-91-98718 ..... 10 p1582 N91-18713 #
ETN-91-98719 ..... 10 p1582 N91-18714 #
ETN-91-98720 ..... 10 p1582 N91-18715 #
ETN-91-98721 ..... 10 p1582 N91-18716 #
ETN-91-98722 ..... 10 p1583 N91-18717 #
ETN-91-98723 ..... 10 p1583 N91-18718 #
ETN-91-98724 ..... 10 p1583 N91-18719 #
ETN-91-98725 ..... 10 p1583 N91-18720 #
ETN-91-98726 ..... 10 p1583 N91-18721 #
ETN-91-98727 ..... 10 p1589 N91-18758 #
ETN-91-98728 ..... 10 p1589 N91-18759 #
ETN-91-98729 ..... 10 p1578 N91-18684 #
ETN-91-98730 ..... 10 p1587 N91-18747 #
ETN-91-98731 ..... 10 p1587 N91-18748 #
ETN-91-98732 ..... 10 p1583 N91-18722 #
ETN-91-98733 ..... 10 p1583 N91-18723 #
ETN-91-98734 ..... 10 p1583 N91-18724 #
ETN-91-98735 ..... 10 p1578 N91-18685 #
ETN-91-98736 ..... 10 p1584 N91-18725 #
ETN-91-98737 ..... 10 p1584 N91-18726 #
ETN-91-98738 ..... 10 p1587 N91-18749 #
ETN-91-98739 ..... 10 p1584 N91-18727 #
ETN-91-98740 ..... 10 p1584 N91-18728 #
ETN-91-98741 ..... 10 p1574 N91-18657 #
ETN-91-98742 ..... 10 p1589 N91-18760 #
ETN-91-98743 ..... 10 p1579 N91-18690 #
ETN-91-98744 ..... 10 p1589 N91-18762 #
ETN-91-98745 ..... 10 p1584 N91-18729 #
ETN-91-98746 ..... 10 p1584 N91-18730 #
ETN-91-98747 ..... 10 p1589 N91-18761 #
ETN-91-98748 ..... 10 p1585 N91-18731 #
ETN-91-98749 ..... 10 p1585 N91-18732 #
ETN-91-98750 ..... 10 p1574 N91-18658 #
ETN-91-98751 ..... 10 p1585 N91-18733 #
ETN-91-98752 ..... 10 p1587 N91-18750 #
ETN-91-98753 ..... 10 p1574 N91-18659 #
ETN-91-98754 ..... 10 p1585 N91-18734 #
ETN-91-98755 ..... 10 p1574 N91-18660 #
ETN-91-98756 ..... 10 p1585 N91-18735 #
ETN-91-98757 ..... 10 p1574 N91-18661 #

ETN-91-98758 ..... 10 p1585 N91-18736 #
ETN-91-98759 ..... 10 p1585 N91-18737 #
ETN-91-98760 ..... 10 p1585 N91-18738 #
ETN-91-98761 ..... 10 p1574 N91-18662 #
ETN-91-98762 ..... 10 p1587 N91-18751 #
ETN-91-98763 ..... 10 p1579 N91-18691 #
ETN-91-98764 ..... 10 p1595 N91-18803 #
ETN-91-98765 ..... 10 p1590 N91-18766 #
ETN-91-98766 ..... 10 p1590 N91-18767 #
ETN-91-98767 ..... 10 p1537 N91-18461 #
ETN-91-98768 ..... 10 p1575 N91-18666 #
ETN-91-98769 ..... 10 p1590 N91-18768 #
ETN-91-98770 ..... 10 p1612 N91-18896 #
ETN-91-98771 ..... 10 p1557 N91-18562
ETN-91-98772 ..... 10 p1595 N91-18804 #
ETN-91-98773 ..... 10 p1469 N91-18103 #
ETN-91-98774 ..... 10 p1565 N91-18607 #
ETN-91-98775 ..... 10 p1612 N91-18897 #
ETN-91-98776 ..... 10 p1557 N91-18563 #
ETN-91-98777 ..... 10 p1538 N91-18468 #
ETN-91-98778 ..... 10 p1585 N91-18739 #
ETN-91-98779 ..... 10 p1520 N91-18371 #
ETN-91-98780 ..... 10 p1609 N91-18881 #
ETN-91-98781 ..... 10 p1520 N91-18373 #
ETN-91-98782 ..... 10 p1521 N91-18374 #
ETN-91-98783 ..... 10 p1536 N91-18457 #
ETN-91-98784 ..... 10 p1612 N91-18892 #
ETN-91-98785 ..... 10 p1521 N91-18375 #
ETN-91-98786 ..... 10 p1521 N91-18376 #
ETN-91-98787 ..... 10 p1596 N91-18808 #
ETN-91-98788 ..... 10 p1536 N91-18458 #
ETN-91-98789 ..... 10 p1469 N91-18104 #
ETN-91-98790 ..... 10 p1530 N91-18424 #
ETN-91-98791 ..... 10 p1484 N91-18179 #
ETN-91-98792 ..... 10 p1515 N91-18342 #
ETN-91-98793 ..... 10 p1532 N91-18440 #
ETN-91-98794 ..... 10 p1521 N91-18377 #
ETN-91-98795 ..... 10 p1612 N91-18893 #
ETN-91-98796 ..... 10 p1470 N91-18108 #
ETN-91-98797 ..... 10 p1473 N91-18118 #
ETN-91-98798 ..... 10 p1472 N91-18113 #
ETN-91-98799 ..... 10 p1488 N91-18200 #
ETN-91-98800 ..... 10 p1473 N91-18114 #
ETN-91-98801 ..... 10 p1468 N91-18095 #
ETN-91-98802 ..... 10 p1488 N91-18201 #
ETN-91-98803 ..... 11 p1741 N91-19572 #
ETN-91-98804 ..... 10 p1618 N91-18922 #
ETN-91-98806 ..... 11 p1816 N91-19971 #
ETN-91-98807 ..... 11 p1653 N91-19113 #
ETN-91-98808 ..... 11 p1785 N91-19796 #
ETN-91-98809 ..... 11 p1810 N91-19946 #
ETN-91-98810 ..... 11 p1791 N91-19827 #
ETN-91-98811 ..... 11 p1704 N91-19384 #
ETN-91-98812 ..... 11 p1704 N91-19385 #
ETN-91-98813 ..... 11 p1704 N91-19386 #
ETN-91-98814 ..... 11 p1704 N91-19387 #
ETN-91-98815 ..... 11 p1704 N91-19388 #
ETN-91-98816 ..... 11 p1705 N91-19389 #
ETN-91-98817 ..... 11 p1705 N91-19390 #
ETN-91-98818 ..... 11 p1799 N91-19876 #
ETN-91-98820 ..... 11 p1799 N91-19877 #
ETN-91-98821 ..... 11 p1817 N91-19981 #
ETN-91-98822 ..... 11 p1723 N91-19485 #
ETN-91-98823 ..... 11 p1648 N91-19084 #
ETN-91-98824 ..... 11 p1648 N91-19085 #
ETN-91-98825 ..... 11 p1648 N91-19086 #
ETN-91-98826 ..... 11 p1651 N91-19101 #
ETN-91-98827 ..... 11 p1648 N91-19087 #
ETN-91-98828 ..... 11 p1791 N91-19828 #
ETN-91-98829 ..... 11 p1648 N91-19088 #
ETN-91-98830 ..... 11 p1649 N91-19089 #
ETN-91-98831 ..... 11 p1649 N91-19090 #
ETN-91-98832 ..... 11 p1649 N91-19091 #
ETN-91-98833 ..... 11 p1764 N91-19708 #
ETN-91-98834 ..... 11 p1692 N91-19321 #
ETN-91-98835 ..... 11 p1695 N91-19336 #
ETN-91-98836 ..... 11 p1652 N91-19106 #
ETN-91-98837 ..... 11 p1690 N91-19311 #
ETN-91-98838 ..... 11 p1792 N91-19829 #
ETN-91-98839 ..... 11 p1778 N91-19753 #
ETN-91-98840 ..... 11 p1778 N91-19754 #
ETN-91-98841 ..... 11 p1786 N91-19797 #
ETN-91-98842 ..... 11 p1784 N91-19789 #
ETN-91-98843 ..... 11 p1700 N91-19362 #
ETN-91-98844 ..... 11 p1780 N91-19761 #
ETN-91-98845 ..... 11 p1781 N91-19772 #
ETN-91-98846 ..... 11 p1797 N91-19864 #
ETN-91-98847 ..... 11 p1798 N91-19865 #
ETN-91-98848 ..... 11 p1798 N91-19866 #
ETN-91-98851 ..... 11 p1798 N91-19867 #
ETN-91-98852 ..... 11 p1650 N91-19096 #
ETN-91-98853 ..... 11 p1649 N91-19092 #
ETN-91-98854 ..... 11 p1649 N91-19093 #
ETN-91-98855 ..... 11 p1780 N91-19762 #
ETN-91-98856 ..... 11 p1812 N91-19954 #
ETN-91-98857 ..... 11 p1677 N91-19244 #
ETN-91-98858 ..... 11 p1677 N91-19245 #
ETN-91-98859 ..... 11 p1723 N91-19486 #
ETN-91-98860 ..... 11 p1677 N91-19246 #
ETN-91-98861 ..... 11 p1678 N91-19247 #
ETN-91-98862 ..... 11 p1723 N91-19487 #
ETN-91-98863 ..... 11 p1717 N91-19453 #
ETN-91-98864 ..... 11 p1644 N91-19068 #
ETN-91-98865 ..... 11 p1705 N91-19391 #
ETN-91-98866 ..... 11 p1723 N91-19488 #
ETN-91-98867 ..... 11 p1728 N91-19512 #
ETN-91-98868 ..... 11 p1790 N91-19822 #
ETN-91-98869 ..... 12 p1977 N91-20878 #
ETN-91-98870 ..... 12 p1977 N91-20879 #
ETN-91-98871 ..... 12 p1977 N91-20880 #
ETN-91-98872 ..... 12 p1901 N91-20459 #
ETN-91-98873 ..... 12 p1977 N91-20881 #
ETN-91-98874 ..... 12 p1978 N91-20882 #
ETN-91-98875 ..... 12 p1924 N91-20585 #
ETN-91-98876 ..... 15 p2508 N91-23895 #
ETN-91-98877 ..... 12 p1978 N91-20883 #
ETN-91-98878 ..... 15 p2505 N91-23874 #
ETN-91-98879 ..... 15 p2505 N91-23875 #
ETN-91-98880 ..... 12 p1979 N91-20889 #
ETN-91-98881 ..... 12 p1902 N91-20460 #
ETN-91-98882 ..... 15 p2505 N91-23876 #
ETN-91-98883 ..... 11 p1796 N91-19853 #
ETN-91-98884 ..... 11 p1737 N91-19550 #
ETN-91-98885 ..... 11 p1709 N91-19410 #
ETN-91-98886 ..... 11 p1798 N91-19868 #
ETN-91-98887 ..... 11 p1823 N91-20019 #
ETN-91-98888 ..... 11 p1796 N91-19854 #
ETN-91-98889 ..... 12 p1991 N91-20961 #
ETN-91-98890 ..... 12 p1958 N91-20774 #
ETN-91-98891 ..... 12 p1967 N91-20828 #
ETN-91-98892 ..... 12 p1968 N91-20829 #
ETN-91-98893 ..... 12 p1982 N91-20906 #
ETN-91-98894 ..... 11 p1805 N91-19915 #
ETN-91-98895 ..... 11 p1786 N91-19798 #
ETN-91-98896 ..... 12 p1959 N91-20775 #
ETN-91-98897 ..... 12 p1959 N91-20776 #
ETN-91-98898 ..... 12 p1974 N91-20861 #
ETN-91-98899 ..... 12 p1959 N91-20777 #
ETN-91-98900 ..... 12 p1902 N91-20461 #
ETN-91-98901 ..... 12 p1889 N91-20383 #
ETN-91-98902 ..... 12 p1959 N91-20778 #
ETN-91-98904 ..... 22 p3626 N91-30176 #
ETN-91-98905 ..... 13 p2029 N91-21159 #
ETN-91-98906 ..... 11 p1728 N91-19513 #
ETN-91-98907 ..... 12 p1897 N91-20432 #
ETN-91-98908 ..... 15 p2463 N91-23649 #
ETN-91-98909 ..... 15 p2463 N91-23650 #
ETN-91-98910 ..... 12 p1999 N91-21002 #
ETN-91-98911 ..... 11 p1739 N91-19563 #
ETN-91-98912 ..... 11 p1792 N91-19830 #
ETN-91-98913 ..... 11 p1700 N91-19363 #
ETN-91-98914 ..... 11 p1705 N91-19392 #
ETN-91-98915 ..... 11 p1717 N91-19454 #
ETN-91-98916 ..... 11 p1811 N91-19947 #
ETN-91-98917 ..... 11 p1796 N91-19855 #
ETN-91-98918 ..... 11 p1685 N91-19285 #
ETN-91-98919 ..... 11 p1717 N91-19455 #
ETN-91-98920 ..... 11 p1655 N91-19120 #
ETN-91-98921 ..... 11 p1705 N91-19393 #
ETN-91-98922 ..... 11 p1786 N91-19799 #
ETN-91-98923 ..... 11 p1799 N91-19878 #
ETN-91-98924 ..... 11 p1811 N91-19948 #
ETN-91-98925 ..... 11 p1796 N91-19856 #
ETN-91-98926 ..... 11 p1781 N91-19773 #
ETN-91-98928 ..... 11 p1695 N91-19337 #
ETN-91-98929 ..... 11 p1695 N91-19338 #
ETN-91-98930 ..... 11 p1723 N91-19490 #
ETN-91-98931 ..... 11 p1806 N91-19916 #
ETN-91-98932 ..... 11 p1811 N91-19949 #
ETN-91-98933 ..... 11 p1685 N91-19286 #
ETN-91-98934 ..... 11 p1784 N91-19790 #
ETN-91-98935 ..... 11 p1678 N91-19248 #
ETN-91-98936 ..... 11 p1673 N91-19222 #
ETN-91-98937 ..... 11 p1705 N91-19394 #
ETN-91-98938 ..... 11 p1717 N91-19456 #
ETN-91-98939 ..... 11 p1792 N91-19831 #
ETN-91-98940 ..... 11 p1723 N91-19491 #
ETN-91-98941 ..... 11 p1706 N91-19395 #
ETN-91-98942 ..... 11 p1724 N91-19492 #
ETN-91-98943 ..... 11 p1724 N91-19493 #
ETN-91-98944 ..... 11 p1644 N91-19069 #
ETN-91-98945 ..... 11 p1664 N91-19169 #
ETN-91-98946 ..... 11 p1724 N91-19494 #
ETN-91-98947 ..... 11 p1649 N91-19094 #
ETN-91-98948 ..... 12 p1870 N91-20278 #
ETN-91-98949 ..... 11 p1696 N91-19339 #
ETN-91-98950 ..... 11 p1653 N91-19114 #
ETN-91-98951 ..... 11 p1656 N91-19121 #
ETN-91-98952 ..... 11 p1664 N91-19170 #
ETN-91-98953 ..... 11 p1717 N91-19457 #
ETN-91-98954 ..... 12 p1895 N91-20420 #
ETN-91-98955 ..... 11 p1709 N91-19411 #

ETN-91-98956 ..... 11 p1778 N91-19755 #
ETN-91-98957 ..... 11 p1724 N91-19495 #
ETN-91-98958 ..... 11 p1782 N91-19774 #
ETN-91-98959 ..... 11 p1717 N91-19458 #
ETN-91-98960 ..... 11 p1644 N91-19070 #
ETN-91-98961 ..... 13 p2044 N91-21244 #
ETN-91-98962 ..... 11 p1718 N91-19459 #
ETN-91-98963 ..... 11 p1780 N91-19763 #
ETN-91-98964 ..... 11 p1784 N91-19791 #
ETN-91-98965 ..... 12 p1863 N91-20238 #
ETN-91-98966 ..... 12 p1898 N91-20440 #
ETN-91-98967 ..... 12 p1898 N91-20441 #
ETN-91-98968 ..... 12 p1863 N91-20239 #
ETN-91-98969 ..... 13 p2048 N91-21268 #
ETN-91-98970 ..... 13 p2146 N91-21823 #
ETN-91-98971 ..... 13 p2126 N91-21699 #
ETN-91-98972 ..... 13 p2088 N91-21490 #
ETN-91-98973 ..... 13 p2071 N91-21405 #
ETN-91-98974 ..... 13 p2101 N91-21566 #
ETN-91-98975 ..... 13 p2081 N91-21465 #
ETN-91-98976 ..... 13 p2170 N91-21975 #
ETN-91-98977 ..... 13 p2172 N91-21986 #
ETN-91-98978 ..... 12 p1853 N91-20180 #
ETN-91-98979 ..... 12 p1853 N91-20181 #
ETN-91-98980 ..... 12 p1905 N91-20481 #
ETN-91-98981 ..... 13 p2147 N91-21830 #
ETN-91-98982 ..... 12 p1899 N91-20442 #
ETN-91-98983 ..... 13 p2028 N91-21151 #
ETN-91-98984 ..... 12 p1975 N91-20866 #
ETN-91-98985 ..... 13 p2032 N91-21173 #
ETN-91-98986 ..... 12 p1842 N91-20124 #
ETN-91-98987 ..... 13 p2148 N91-21831 #
ETN-91-98988 ..... 13 p2148 N91-21832 #
ETN-91-98989 ..... 13 p2018 N91-21104 #
ETN-91-98990 ..... 13 p2018 N91-21105 #
ETN-91-98991 ..... 13 p2043 N91-21237 #
ETN-91-98992 ..... 13 p2019 N91-21106 #
ETN-91-98993 ..... 13 p2019 N91-21107 #
ETN-91-98994 ..... 13 p2143 N91-21799 #
ETN-91-98995 ..... 13 p2032 N91-21174 #
ETN-91-98997 ..... 13 p2087 N91-21487 #
ETN-91-98998 ..... 12 p1915 N91-20532 #
ETN-91-98999 ..... 12 p1999 N91-21003 #
ETN-91-99000 ..... 12 p1905 N91-20482 #
ETN-91-99001 ..... 12 p1959 N91-20779 #
ETN-91-99002 ..... 12 p1959 N91-20780 #
ETN-91-99003 ..... 12 p1959 N91-20781 #
ETN-91-99004 ..... 12 p1830 N91-20056 #
ETN-91-99005 ..... 12 p1842 N91-20125 #
ETN-91-99006 ..... 13 p2080 N91-21460 #
ETN-91-99007 ..... 12 p1870 N91-20279 #
ETN-91-99008 ..... 12 p1889 N91-20384 #
ETN-91-99009 ..... 12 p1889 N91-20385 #
ETN-91-99010 ..... 12 p1844 N91-20135 #
ETN-91-99011 ..... 12 p1972 N91-20847 #
ETN-91-99012 ..... 12 p1830 N91-20057 #
ETN-91-99013 ..... 12 p1879 N91-20326 #
ETN-91-99014 ..... 12 p1830 N91-20058 #
ETN-91-99015 ..... 12 p1844 N91-20136 #
ETN-91-99016 ..... 12 p1899 N91-20443 #
ETN-91-99017 ..... 12 p1844 N91-20137 #
ETN-91-99018 ..... 12 p1864 N91-20240
ETN-91-99019 ..... 12 p1867 N91-20256
ETN-91-99020 ..... 12 p1876 N91-20312
ETN-91-99021 ..... 12 p1915 N91-20533
ETN-91-99022 ..... 12 p1871 N91-20280
ETN-91-99023 ..... 12 p1867 N91-20257
ETN-91-99024 ..... 12 p1876 N91-20313
ETN-91-99025 ..... 12 p1876 N91-20314
ETN-91-99026 ..... 12 p1889 N91-20386
ETN-91-99027 ..... 12 p1902 N91-20462
ETN-91-99028 ..... 12 p1999 N91-21004
ETN-91-99029 ..... 13 p2164 N91-21938 #
ETN-91-99030 ..... 13 p2107 N91-21601 #
ETN-91-99031 ..... 13 p2022 N91-21123 #
ETN-91-99032 ..... 13 p2081 N91-21466 #
ETN-91-99033 ..... 13 p2033 N91-21181 #
ETN-91-99034 ..... 13 p2028 N91-21152 #
ETN-91-99035 ..... 13 p2023 N91-21130 #
ETN-91-99036 ..... 13 p2019 N91-21108 #
ETN-91-99037 ..... 14 p2288 N91-22652 #
ETN-91-99038 ..... 13 p2046 N91-21254 #
ETN-91-99039 ..... 13 p2081 N91-21467 #
ETN-91-99040 ..... 13 p2081 N91-21468 #
ETN-91-99041 ..... 13 p2101 N91-21567 #
ETN-91-99042 ..... 13 p2019 N91-21109 #
ETN-91-99043 ..... 13 p2102 N91-21568 #
ETN-91-99044 ..... 13 p2102 N91-21569 #
ETN-91-99045 ..... 13 p2081 N91-21469 #
ETN-91-99046 ..... 13 p2102 N91-21570 #
ETN-91-99047 ..... 13 p2019 N91-21110 #
ETN-91-99048 ..... 13 p2048 N91-21269 #
ETN-91-99049 ..... 15 p2446 N91-23551 #
ETN-91-99050 ..... 13 p2075 N91-21431 #
ETN-91-99051 ..... 13 p2152 N91-21863 #
ETN-91-99052 ..... 12 p1844 N91-20138 #
ETN-91-99053 ..... 12 p1844 N91-20139 #
ETN-91-99054 ..... 12 p1845 N91-20140 #
ETN-91-99055 ..... 13 p2026 N91-21145 #
ETN-91-99056 ..... 12 p1845 N91-20141 #
ETN-91-99057 ..... 13 p2027 N91-21146 #
ETN-91-99058 ..... 13 p2027 N91-21147 #
ETN-91-99059 ..... 13 p2027 N91-21148 #
ETN-91-99060 ..... 12 p1845 N91-20142 #
ETN-91-99061 ..... 15 p2393 N91-23246 #
ETN-91-99062 ..... 15 p2468 N91-23676 #
ETN-91-99063 ..... 15 p2383 N91-23191 #
ETN-91-99064 ..... 15 p2469 N91-23677 #
ETN-91-99065 ..... 15 p2426 N91-23435 #
ETN-91-99066 ..... 15 p2456 N91-23612 #
ETN-91-99067 ..... 15 p2365 N91-23088 #
ETN-91-99068 ..... 15 p2402 N91-23301 #
ETN-91-99069 ..... 15 p2374 N91-23137 #
ETN-91-99070 ..... 15 p2412 N91-23355 #
ETN-91-99071 ..... 15 p2480 N91-23725 #
ETN-91-99072 ..... 15 p2412 N91-23356 #
ETN-91-99073 ..... 15 p2412 N91-23357 #
ETN-91-99074 ..... 15 p2456 N91-23613 #
ETN-91-99075 ..... 15 p2456 N91-23614 #
ETN-91-99076 ..... 15 p2483 N91-23746 #
ETN-91-99077 ..... 14 p2332 N91-22883 #
ETN-91-99078 ..... 15 p2470 N91-23687 #
ETN-91-99079 ..... 15 p2368 N91-23103 #
ETN-91-99080 ..... 15 p2368 N91-23104
ETN-91-99081 ..... 15 p2532 N91-24029
ETN-91-99082 ..... 15 p2535 N91-24040
ETN-91-99083 ..... 15 p2483 N91-23747
ETN-91-99084 ..... 15 p2483 N91-23748
ETN-91-99085 ..... 15 p2484 N91-23749
ETN-91-99086 ..... 16 p2667 N91-24755
ETN-91-99087 ..... 16 p2667 N91-24756
ETN-91-99088 ..... 15 p2484 N91-23750
ETN-91-99089 ..... 15 p2484 N91-23751
ETN-91-99090 ..... 15 p2484 N91-23752
ETN-91-99091 ..... 15 p2463 N91-23651
ETN-91-99092 ..... 15 p2386 N91-23204
ETN-91-99093 ..... 15 p2412 N91-23358
ETN-91-99094 ..... 15 p2412 N91-23359
ETN-91-99095 ..... 15 p2413 N91-23360
ETN-91-99096 ..... 15 p2413 N91-23361
ETN-91-99097 ..... 15 p2418 N91-23392
ETN-91-99098 ..... 15 p2474 N91-23703
ETN-91-99099 ..... 15 p2478 N91-23719
ETN-91-99100 ..... 18 p3013 N91-26638
ETN-91-99101 ..... 15 p2463 N91-23646
ETN-91-99102 ..... 14 p2290 N91-22664
ETN-91-99103 ..... 15 p2469 N91-23678
ETN-91-99104 ..... 16 p2661 N91-24721
ETN-91-99105 ..... 15 p2471 N91-23688
ETN-91-99106 ..... 16 p2623 N91-24526 #
ETN-91-99107 ..... 15 p2374 N91-23138 #
ETN-91-99108 ..... 14 p2290 N91-22665 #
ETN-91-99109 ..... 15 p2513 N91-23925
ETN-91-99110 ..... 15 p2463 N91-23647
ETN-91-99111 ..... 15 p2385 N91-23196 #
ETN-91-99112 ..... 15 p2426 N91-23436 #
ETN-91-99113 ..... 15 p2493 N91-23807 #
ETN-91-99114 ..... 15 p2426 N91-23437 #
ETN-91-99115 ..... 15 p2448 N91-23563 #
ETN-91-99116 ..... 16 p2580 N91-24299 #
ETN-91-99117 ..... 16 p2688 N91-24881 #
ETN-91-99118 ..... 15 p2484 N91-23753 #
ETN-91-99119 ..... 15 p2431 N91-23467
ETN-91-99120 ..... 15 p2426 N91-23438
ETN-91-99121 ..... 14 p2308 N91-22753 #
ETN-91-99122 ..... 15 p2484 N91-23754 #
ETN-91-99123 ..... 15 p2490 N91-23788 #
ETN-91-99124 ..... 15 p2463 N91-23648 #
ETN-91-99125 ..... 14 p2324 N91-22834 #
ETN-91-99126 ..... 14 p2267 N91-22546 #
ETN-91-99127 ..... 14 p2324 N91-22835 #
ETN-91-99128 ..... 14 p2322 N91-22826 #
ETN-91-99129 ..... 14 p2308 N91-22754 #
ETN-91-99130 ..... 14 p2324 N91-22836 #
ETN-91-99131 ..... 14 p2327 N91-22855 #
ETN-91-99132 ..... 14 p2324 N91-22837 #
ETN-91-99133 ..... 14 p2324 N91-22838 #
ETN-91-99134 ..... 14 p2324 N91-22839 #
ETN-91-99135 ..... 14 p2337 N91-22923 #
ETN-91-99136 ..... 14 p2302 N91-22717 #
ETN-91-99137 ..... 14 p2302 N91-22718 #
ETN-91-99138 ..... 14 p2308 N91-22755 #
ETN-91-99139 ..... 14 p2309 N91-22756 #
ETN-91-99140 ..... 14 p2309 N91-22757 #
ETN-91-99141 ..... 14 p2319 N91-22806 #
ETN-91-99142 ..... 14 p2318 N91-22800 #
ETN-91-99143 ..... 14 p2319 N91-22807 #
ETN-91-99144 ..... 14 p2319 N91-22808 #
ETN-91-99145 ..... 14 p2318 N91-22801 #
ETN-91-99146 ..... 14 p2320 N91-22809 #
ETN-91-99147 ..... 14 p2338 N91-22924 #
ETN-91-99148 ..... 14 p2320 N91-22810 #

ETN-91-99149 ..... 14 p2320 N91-22811 #
ETN-91-99150 ..... 14 p2309 N91-22758 #
ETN-91-99151 ..... 14 p2341 N91-22945 #
ETN-91-99152 ..... 14 p2309 N91-22759 #
ETN-91-99153 ..... 14 p2280 N91-22611 #
ETN-91-99154 ..... 14 p2280 N91-22612 #
ETN-91-99155 ..... 14 p2293 N91-22680 #
ETN-91-99156 ..... 14 p2290 N91-22666 #
ETN-91-99157 ..... 14 p2290 N91-22667 #
ETN-91-99158 ..... 14 p2268 N91-22547 #
ETN-91-99159 ..... 14 p2257 N91-22485 #
ETN-91-99160 ..... 14 p2324 N91-22840 #
ETN-91-99161 ..... 14 p2278 N91-22599 #
ETN-91-99162 ..... 14 p2321 N91-22818 #
ETN-91-99163 ..... 14 p2309 N91-22760 #
ETN-91-99164 ..... 14 p2244 N91-22412 #
ETN-91-99165 ..... 14 p2309 N91-22761 #
ETN-91-99166 ..... 14 p2255 N91-22470 #
ETN-91-99167 ..... 14 p2264 N91-22525 #
ETN-91-99168 ..... 14 p2328 N91-22862 #
ETN-91-99169 ..... 14 p2320 N91-22812 #
ETN-91-99170 ..... 14 p2250 N91-22449 #
ETN-91-99171 ..... 14 p2250 N91-22450 #
ETN-91-99172 ..... 14 p2260 N91-22503 #
ETN-91-99173 ..... 14 p2336 N91-22914 #
ETN-91-99174 ..... 14 p2336 N91-22915 #
ETN-91-99175 ..... 14 p2297 N91-22699 #
ETN-91-99176 ..... 14 p2325 N91-22841 #
ETN-91-99177 ..... 14 p2325 N91-22842 #
ETN-91-99178 ..... 14 p2260 N91-22504 #
ETN-91-99179 ..... 14 p2250 N91-22451 #
ETN-91-99180 ..... 14 p2273 N91-22575 #
ETN-91-99181 ..... 14 p2250 N91-22452 #
ETN-91-99182 ..... 14 p2309 N91-22762 #
ETN-91-99183 ..... 14 p2286 N91-22642 #
ETN-91-99184 ..... 14 p2336 N91-22916 #
ETN-91-99185 ..... 14 p2325 N91-22843 #
ETN-91-99186 ..... 14 p2234 N91-22360 #
ETN-91-99187 ..... 15 p2464 N91-23652 #
ETN-91-99188 ..... 15 p2402 N91-23302 #
ETN-91-99189 ..... 15 p2464 N91-23653 #
ETN-91-99190 ..... 14 p2194 N91-22118 #
ETN-91-99191 ..... 15 p2386 N91-23203 #
ETN-91-99192 ..... 15 p2464 N91-23654 #
ETN-91-99193 ..... 14 p2188 N91-22086 #
ETN-91-99194 ..... 14 p2264 N91-22526 #
ETN-91-99195 ..... 14 p2300 N91-22713 #
ETN-91-99196 ..... 14 p2290 N91-22668 #
ETN-91-99197 ..... 14 p2194 N91-22119 #
ETN-91-99198 ..... 14 p2197 N91-22132 #
ETN-91-99199 ..... 14 p2197 N91-22133 #
ETN-91-99200 ..... 14 p2241 N91-22398 #
ETN-91-99201 ..... 14 p2188 N91-22087 #
ETN-91-99202 ..... 14 p2241 N91-22399 #
ETN-91-99203 ..... 14 p2234 N91-22361 #
ETN-91-99204 ..... 14 p2264 N91-22527 #
ETN-91-99205 ..... 14 p2318 N91-22802 #
ETN-91-99206 ..... 14 p2207 N91-22188 #
ETN-91-99207 ..... 14 p2189 N91-22088 #
ETN-91-99208 ..... 14 p2241 N91-22400 #
ETN-91-99209 ..... 14 p2264 N91-22528 #
ETN-91-99210 ..... 14 p2194 N91-22120 #
ETN-91-99211 ..... 14 p2207 N91-22187 #
ETN-91-99212 ..... 14 p2189 N91-22089 #
ETN-91-99213 ..... 14 p2265 N91-22529 #
ETN-91-99214 ..... 14 p2197 N91-22134 #
ETN-91-99215 ..... 14 p2318 N91-22803 #
ETN-91-99216 ..... 14 p2244 N91-22413 #
ETN-91-99217 ..... 15 p2524 N91-23988 #
ETN-91-99218 ..... 14 p2320 N91-22813 #
ETN-91-99219 ..... 14 p2268 N91-22548 #
ETN-91-99220 ..... 15 p2480 N91-23726 #
ETN-91-99221 ..... 15 p2418 N91-23393 #
ETN-91-99222 ..... 15 p2413 N91-23362 #
ETN-91-99223 ..... 15 p2488 N91-23778 #
ETN-91-99224 ..... 15 p2489 N91-23779 #
ETN-91-99225 ..... 15 p2524 N91-23989 #
ETN-91-99226 ..... 15 p2496 N91-23822 #
ETN-91-99227 ..... 16 p2680 N91-24836 #
ETN-91-99228 ..... 15 p2496 N91-23823 #
ETN-91-99229 ..... 15 p2496 N91-23824 #
ETN-91-99230 ..... 16 p2678 N91-24820 #
ETN-91-99231 ..... 15 p2493 N91-23808 #
ETN-91-99232 ..... 15 p2494 N91-23809 #
ETN-91-99233 ..... 15 p2496 N91-23825 #
ETN-91-99234 ..... 15 p2484 N91-23755 #
ETN-91-99235 ..... 15 p2485 N91-23756 #
ETN-91-99236 ..... 15 p2494 N91-23810 #
ETN-91-99237 ..... 15 p2489 N91-23780 #
ETN-91-99238 ..... 15 p2480 N91-23727 #
ETN-91-99239 ..... 15 p2440 N91-23516 #
ETN-91-99240 ..... 15 p2474 N91-23705 #
ETN-91-99241 ..... 15 p2500 N91-23844 #
ETN-91-99242 ..... 14 p2297 N91-22700 #
ETN-91-99243 ..... 14 p2325 N91-22844 #
ETN-91-99244 ..... 14 p2325 N91-22845 #
ETN-91-99245 ..... 14 p2265 N91-22530 #
ETN-91-99246 ..... 14 p2265 N91-22531 #
ETN-91-99247 ..... 19 p3162 N91-27481 #
ETN-91-99248 ..... 14 p2265 N91-22532 #
ETN-91-99249 ..... 15 p2365 N91-23090 #
ETN-91-99250 ..... 19 p3104 N91-27150 #
ETN-91-99251 ..... 14 p2234 N91-22362 #
ETN-91-99252 ..... 15 p2542 N91-24086 #
ETN-91-99253 ..... 15 p2368 N91-23105 #
ETN-91-99254 ..... 14 p2343 N91-22953 #
ETN-91-99255 ..... 15 p2447 N91-23552 #
ETN-91-99256 ..... 14 p2311 N91-22767 #
ETN-91-99257 ..... 15 p2524 N91-23990 #
ETN-91-99259 ..... 14 p2297 N91-22701 #
ETN-91-99260 ..... 14 p2321 N91-22819 #
ETN-91-99261 ..... 14 p2244 N91-22414 #
ETN-91-99262 ..... 14 p2257 N91-22486 #
ETN-91-99263 ..... 14 p2208 N91-22189 #
ETN-91-99264 ..... 14 p2321 N91-22821 #
ETN-91-99265 ..... 15 p2382 N91-23187 #
ETN-91-99266 ..... 15 p2383 N91-23188 #
ETN-91-99267 ..... 15 p2383 N91-23192 #
ETN-91-99268 ..... 15 p2501 N91-23853 #
ETN-91-99269 ..... 15 p2388 N91-23216 #
ETN-91-99270 ..... 15 p2366 N91-23091 #
ETN-91-99271 ..... 15 p2394 N91-23248 #
ETN-91-99272 ..... 15 p2374 N91-23139 #
ETN-91-99273 ..... 15 p2485 N91-23757 #
ETN-91-99274 ..... 15 p2388 N91-23217 #
ETN-91-99275 ..... 15 p2394 N91-23249 #
ETN-91-99276 ..... 15 p2394 N91-23250 #
ETN-91-99277 ..... 15 p2394 N91-23251 #
ETN-91-99278 ..... 15 p2394 N91-23252 #
ETN-91-99279 ..... 15 p2394 N91-23253 #
ETN-91-99280 ..... 15 p2385 N91-23197 #
ETN-91-99281 ..... 15 p2394 N91-23254 #
ETN-91-99282 ..... 16 p2589 N91-24347 #
ETN-91-99283 ..... 15 p2513 N91-23926 #
ETN-91-99284 ..... 15 p2394 N91-23255 #
ETN-91-99285 ..... 15 p2513 N91-23927 #
ETN-91-99286 ..... 15 p2395 N91-23256 #
ETN-91-99287 ..... 15 p2395 N91-23257 #
ETN-91-99288 ..... 16 p2589 N91-24348 #
ETN-91-99289 ..... 15 p2395 N91-23258 #
ETN-91-99290 ..... 15 p2516 N91-23947 #
ETN-91-99291 ..... 15 p2395 N91-23259 #
ETN-91-99292 ..... 15 p2517 N91-23948 #
ETN-91-99293 ..... 15 p2387 N91-23208 #
ETN-91-99294 ..... 15 p2513 N91-23928 #
ETN-91-99295 ..... 17 p2865 N91-25842 #
ETN-91-99296 ..... 16 p2692 N91-24901 #
ETN-91-99297 ..... 15 p2513 N91-23929 #
ETN-91-99298 ..... 15 p2485 N91-23758 #
ETN-91-99299 ..... 15 p2395 N91-23260 #
ETN-91-99300 ..... 15 p2395 N91-23261 #
ETN-91-99301 ..... 15 p2387 N91-23209 #
ETN-91-99302 ..... 15 p2395 N91-23262 #
ETN-91-99303 ..... 15 p2457 N91-23615 #
ETN-91-99304 ..... 15 p2388 N91-23218 #
ETN-91-99305 ..... 15 p2388 N91-23219 #
ETN-91-99306 ..... 15 p2431 N91-23468 #
ETN-91-99307 ..... 15 p2388 N91-23220 #
ETN-91-99308 ..... 15 p2389 N91-23221 #
ETN-91-99309 ..... 15 p2389 N91-23222 #
ETN-91-99310 ..... 15 p2389 N91-23223 #
ETN-91-99311 ..... 15 p2389 N91-23224 #
ETN-91-99312 ..... 15 p2501 N91-23854 #
ETN-91-99313 ..... 15 p2413 N91-23363 #
ETN-91-99314 ..... 15 p2447 N91-23553 #
ETN-91-99315 ..... 15 p2398 N91-23278 #
ETN-91-99316 ..... 15 p2427 N91-23441 #
ETN-91-99317 ..... 15 p2405 N91-23319 #
ETN-91-99318 ..... 15 p2427 N91-23442 #
ETN-91-99319 ..... 15 p2390 N91-23230 #
ETN-91-99320 ..... 15 p2500 N91-23845 #
ETN-91-99321 ..... 15 p2413 N91-23364 #
ETN-91-99322 ..... 15 p2500 N91-23846 #
ETN-91-99323 ..... 15 p2418 N91-23394 #
ETN-91-99324 ..... 15 p2494 N91-23811 #
ETN-91-99325 ..... 15 p2517 N91-23949 #
ETN-91-99326 ..... 15 p2418 N91-23395 #
ETN-91-99327 ..... 15 p2494 N91-23812 #
ETN-91-99328 ..... 15 p2494 N91-23813 #
ETN-91-99329 ..... 15 p2406 N91-23320
ETN-91-99330 ..... 15 p2505 N91-23877 #
ETN-91-99331 ..... 16 p2557 N91-24186 #
ETN-91-99332 ..... 15 p2374 N91-23140 #
ETN-91-99333 ..... 15 p2366 N91-23092 #
ETN-91-99334 ..... 15 p2427 N91-23443 #
ETN-91-99335 ..... 15 p2427 N91-23444 #
ETN-91-99336 ..... 15 p2524 N91-23991 #
ETN-91-99337 ..... 15 p2469 N91-23679 #
ETN-91-99338 ..... 15 p2469 N91-23680 #
ETN-91-99339 ..... 15 p2419 N91-23396 #
ETN-91-99340 ..... 15 p2419 N91-23397 #
ETN-91-99341 ..... 15 p2406 N91-23321 #

ETN-91-99342 ..... 15 p2485 N91-23759 #
ETN-91-99343 ..... 17 p2832 N91-25648 #
ETN-91-99344 ..... 17 p2843 N91-25709 #
ETN-91-99345 ..... 17 p2843 N91-25710 #
ETN-91-99346 ..... 17 p2843 N91-25711 #
ETN-91-99347 ..... 17 p2843 N91-25712 #
ETN-91-99348 ..... 17 p2843 N91-25713 #
ETN-91-99349 ..... 17 p2849 N91-25751 #
ETN-91-99350 ..... 17 p2848 N91-25742 #
ETN-91-99351 ..... 17 p2843 N91-25714 #
ETN-91-99352 ..... 17 p2848 N91-25743 #
ETN-91-99353 ..... 17 p2850 N91-25752 #
ETN-91-99354 ..... 17 p2844 N91-25715 #
ETN-91-99355 ..... 17 p2850 N91-25753 #
ETN-91-99356 ..... 17 p2848 N91-25744 #
ETN-91-99357 ..... 17 p2844 N91-25716 #
ETN-91-99358 ..... 17 p2848 N91-25745 #
ETN-91-99359 ..... 17 p2850 N91-25754 #
ETN-91-99360 ..... 17 p2848 N91-25746 #
ETN-91-99361 ..... 17 p2844 N91-25717 #
ETN-91-99362 ..... 17 p2844 N91-25718 #
ETN-91-99363 ..... 17 p2849 N91-25747 #
ETN-91-99364 ..... 17 p2832 N91-25649 #
ETN-91-99365 ..... 17 p2844 N91-25719 #
ETN-91-99366 ..... 17 p2838 N91-25688 #
ETN-91-99367 ..... 17 p2832 N91-25650 #
ETN-91-99368 ..... 17 p2833 N91-25651 #
ETN-91-99369 ..... 17 p2833 N91-25652 #
ETN-91-99370 ..... 17 p2839 N91-25689 #
ETN-91-99371 ..... 17 p2844 N91-25720 #
ETN-91-99372 ..... 17 p2844 N91-25721 #
ETN-91-99373 ..... 17 p2833 N91-25653 #
ETN-91-99374 ..... 17 p2769 N91-25325 #
ETN-91-99375 ..... 17 p2833 N91-25654 #
ETN-91-99376 ..... 17 p2833 N91-25655 #
ETN-91-99377 ..... 17 p2779 N91-25383 #
ETN-91-99378 ..... 17 p2833 N91-25656 #
ETN-91-99379 ..... 17 p2833 N91-25657 #
ETN-91-99380 ..... 17 p2833 N91-25658 #
ETN-91-99381 ..... 17 p2834 N91-25659 #
ETN-91-99382 ..... 17 p2834 N91-25660 #
ETN-91-99383 ..... 17 p2845 N91-25722 #
ETN-91-99384 ..... 17 p2834 N91-25661 #
ETN-91-99385 ..... 17 p2834 N91-25662 #
ETN-91-99386 ..... 17 p2834 N91-25663 #
ETN-91-99387 ..... 17 p2835 N91-25664 #
ETN-91-99388 ..... 17 p2849 N91-25748 #
ETN-91-99389 ..... 17 p2840 N91-25697 #
ETN-91-99390 ..... 17 p2840 N91-25698 #
ETN-91-99391 ..... 17 p2845 N91-25723 #
ETN-91-99392 ..... 17 p2845 N91-25724 #
ETN-91-99393 ..... 17 p2835 N91-25665 #
ETN-91-99394 ..... 17 p2835 N91-25666 #
ETN-91-99395 ..... 17 p2835 N91-25667 #
ETN-91-99396 ..... 17 p2835 N91-25668 #
ETN-91-99397 ..... 17 p2835 N91-25669 #
ETN-91-99398 ..... 17 p2845 N91-25725 #
ETN-91-99399 ..... 17 p2845 N91-25726 #
ETN-91-99400 ..... 17 p2841 N91-25699 #
ETN-91-99401 ..... 17 p2835 N91-25670 #
ETN-91-99402 ..... 17 p2836 N91-25671 #
ETN-91-99403 ..... 17 p2836 N91-25672 #
ETN-91-99404 ..... 17 p2836 N91-25673 #
ETN-91-99405 ..... 17 p2836 N91-25674 #
ETN-91-99406 ..... 17 p2845 N91-25727 #
ETN-91-99407 ..... 17 p2836 N91-25675 #
ETN-91-99408 ..... 17 p2845 N91-25728 #
ETN-91-99409 ..... 18 p3049 N91-26835 #
ETN-91-99410 ..... 17 p2836 N91-25676 #
ETN-91-99411 ..... 18 p3038 N91-26768 #
ETN-91-99412 ..... 17 p2846 N91-25729 #
ETN-91-99413 ..... 17 p2846 N91-25730 #
ETN-91-99414 ..... 17 p2730 N91-25117 #
ETN-91-99415 ..... 17 p2846 N91-25731 #
ETN-91-99416 ..... 17 p2839 N91-25690 #
ETN-91-99417 ..... 17 p2801 N91-25496 #
ETN-91-99418 ..... 23 p3787 N91-31117 #
ETN-91-99419 ..... 17 p2811 N91-25538 #
ETN-91-99420 ..... 17 p2735 N91-25143 #
ETN-91-99421 ..... 17 p2801 N91-25497 #
ETN-91-99422 ..... 17 p2801 N91-25498 #
ETN-91-99423 ..... 17 p2801 N91-25499 #
ETN-91-99424 ..... 23 p3887 N91-31695 #
ETN-91-99425 ..... 17 p2790 N91-25439 #
ETN-91-99426 ..... 17 p2756 N91-25255 #
ETN-91-99427 ..... 17 p2791 N91-25440 #
ETN-91-99428 ..... 17 p2777 N91-25368 #
ETN-91-99429 ..... 17 p2783 N91-25402 #
ETN-91-99430 ..... 17 p2846 N91-25732 #
ETN-91-99431 ..... 17 p2743 N91-25181 #
ETN-91-99432 ..... 17 p2770 N91-25326 #
ETN-91-99433 ..... 17 p2859 N91-25812 #
ETN-91-99434 ..... 17 p2870 N91-25877 #
ETN-91-99435 ..... 17 p2756 N91-25256 #
ETN-91-99436 ..... 17 p2874 N91-25900 #
ETN-91-99437 ..... 17 p2762 N91-25288 #
ETN-91-99438 ..... 23 p3789 N91-31132 #
ETN-91-99439 ..... 17 p2801 N91-25500 #
ETN-91-99440 ..... 18 p3003 N91-26585 #
ETN-91-99441 ..... 22 p3649 N91-30307 #
ETN-91-99442 ..... 22 p3760 N91-30963 #
ETN-91-99443 ..... 22 p3649 N91-30308 #
ETN-91-99444 ..... 22 p3756 N91-30939 #
ETN-91-99445 ..... 22 p3729 N91-30761 #
ETN-91-99446 ..... 22 p3620 N91-30139 #
ETN-91-99447 ..... 17 p2780 N91-25384 #
ETN-91-99448 ..... 22 p3651 N91-30320 #
ETN-91-99449 ..... 22 p3651 N91-30321 #
ETN-91-99450 ..... 22 p3652 N91-30322 #
ETN-91-99451 ..... 22 p3652 N91-30323 #
ETN-91-99452 ..... 22 p3652 N91-30324 #
ETN-91-99453 ..... 22 p3645 N91-30286 #
ETN-91-99454 ..... 22 p3645 N91-30287 #
ETN-91-99455 ..... 22 p3690 N91-30548 #
ETN-91-99456 ..... 22 p3645 N91-30288 #
ETN-91-99457 ..... 22 p3761 N91-30964 #
ETN-91-99459 ..... 22 p3775 N91-31058 #
ETN-91-99460 ..... 22 p3770 N91-31021 #
ETN-91-99461 ..... 22 p3700 N91-30600 #
ETN-91-99462 ..... 22 p3645 N91-30289 #
ETN-91-99463 ..... 22 p3695 N91-30570 #
ETN-91-99464 ..... 22 p3742 N91-30846 #
ETN-91-99465 ..... 22 p3747 N91-30885 #
ETN-91-99466 ..... 22 p3730 N91-30762 #
ETN-91-99467 ..... 22 p3745 N91-30870 #
ETN-91-99468 ..... 22 p3713 N91-30665 #
ETN-91-99469 ..... 17 p2816 N91-25561 #
ETN-91-99470 ..... 17 p2816 N91-25562 #
ETN-91-99471 ..... 17 p2816 N91-25563 #
ETN-91-99472 ..... 22 p3755 N91-30933 #
ETN-91-99473 ..... 22 p3654 N91-30338 #
ETN-91-99474 ..... 22 p3646 N91-30290 #
ETN-91-99475 ..... 22 p3730 N91-30763 #
ETN-91-99476 ..... 22 p3670 N91-30435 #
ETN-91-99477 ..... 22 p3670 N91-30436 #
ETN-91-99478 ..... 22 p3730 N91-30764 #
ETN-91-99479 ..... 22 p3730 N91-30765 #
ETN-91-99480 ..... 22 p3670 N91-30437 #
ETN-91-99481 ..... 22 p3670 N91-30438 #
ETN-91-99482 ..... 22 p3737 N91-30818 #
ETN-91-99484 ..... 22 p3738 N91-30819 #
ETN-91-99485 ..... 22 p3738 N91-30820 #
ETN-91-99486 ..... 22 p3713 N91-30666 #
ETN-91-99487 ..... 22 p3747 N91-30886 #
ETN-91-99488 ..... 22 p3764 N91-30985 #
ETN-91-99489 ..... 22 p3767 N91-31005 #
ETN-91-99490 ..... 22 p3730 N91-30766 #
ETN-91-99491 ..... 22 p3730 N91-30767 #
ETN-91-99492 ..... 17 p2862 N91-25826 #
ETN-91-99493 ..... 17 p2862 N91-25827 #
ETN-91-99494 ..... 17 p2816 N91-25566 #
ETN-91-99495 ..... 22 p3756 N91-30940 #
ETN-91-99496 ..... 18 p3062 N91-26913 #
ETN-91-99497 ..... 22 p3753 N91-30921 #
ETN-91-99498 ..... 22 p3704 N91-30614 #
ETN-91-99499 ..... 22 p3753 N91-30922 #
ETN-91-99500 ..... 22 p3708 N91-30635 #
ETN-91-99501 ..... 22 p3757 N91-30941 #
ETN-91-99502 ..... 22 p3757 N91-30942 #
ETN-91-99503 ..... 22 p3757 N91-30943* #
ETN-91-99504 ..... 22 p3757 N91-30944 #
ETN-91-99505 ..... 17 p2841 N91-25700 #
ETN-91-99506 ..... 22 p3748 N91-30894 #
ETN-91-99507 ..... 22 p3683 N91-30508 #
ETN-91-99508 ..... 22 p3614 N91-30106 #
ETN-91-99509 ..... 22 p3614 N91-30107 #
ETN-91-99510 ..... 22 p3721 N91-30710 #
ETN-91-99511 ..... 22 p3738 N91-30821
ETN-91-99512 ..... 22 p3747 N91-30887
ETN-91-99513 ..... 22 p3745 N91-30871
ETN-91-99514 ..... 22 p3730 N91-30768
ETN-91-99515 ..... 23 p3936 N91-31995
ETN-91-99516 ..... 22 p3731 N91-30769
ETN-91-99517 ..... 22 p3738 N91-30822
ETN-91-99518 ..... 22 p3731 N91-30770
ETN-91-99519 ..... 22 p3742 N91-30847
ETN-91-99520 ..... 22 p3731 N91-30771
ETN-91-99521 ..... 22 p3731 N91-30772
ETN-91-99522 ..... 22 p3731 N91-30773
ETN-91-99523 ..... 22 p3731 N91-30774
ETN-91-99524 ..... 22 p3731 N91-30775
ETN-91-99525 ..... 23 p3927 N91-31943 #
ETN-91-99526 ..... 22 p3671 N91-30439 #
ETN-91-99527 ..... 22 p3768 N91-31006 #
ETN-91-99528 ..... 22 p3768 N91-31007 #
ETN-91-99529 ..... 22 p3671 N91-30440 #
ETN-91-99530 ..... 22 p3664 N91-30402 #
ETN-91-99531 ..... 23 p3822 N91-31321 #
ETN-91-99532 ..... 22 p3732 N91-30776* #
ETN-91-99533 ..... 23 p3801 N91-31202 #
ETN-91-99534 ..... 23 p3852 N91-31474 #
ETN-91-99535 ..... 23 p3800 N91-31195 #

ETN-91-99536 ..... 22 p3704 N91-30615
ETN-91-99537 ..... 22 p3652 N91-30325 #
ETN-91-99538 ..... 22 p3768 N91-31008 #
ETN-91-99539 ..... 22 p3665 N91-30403 #
ETN-91-99540 ..... 22 p3665 N91-30404 #
ETN-91-99541 ..... 22 p3619 N91-30133 #
ETN-91-99542 ..... 22 p3751 N91-30910 #
ETN-91-99543 ..... 22 p3721 N91-30711 #
ETN-91-99544 ..... 22 p3745 N91-30872 #
ETN-91-99545 ..... 22 p3695 N91-30571 #
ETN-91-99546 ..... 22 p3615 N91-30108 #
ETN-91-99547 ..... 22 p3695 N91-30572 #
ETN-91-99549 ..... 22 p3678 N91-30482 #
ETN-91-99550 ..... 22 p3711 N91-30653 #
ETN-91-99551 ..... 22 p3765 N91-30986 #
ETN-91-99552 ..... 22 p3732 N91-30777 #
ETN-91-99553 ..... 22 p3751 N91-30911 #
ETN-91-99554 ..... 22 p3708 N91-30636 #
ETN-91-99555 ..... 22 p3778 N91-31074 #
ETN-91-99556 ..... 22 p3753 N91-30923 #
ETN-91-99557 ..... 22 p3768 N91-31009 #
ETN-91-99558 ..... 22 p3768 N91-31010 #
ETN-91-99559 ..... 22 p3768 N91-31011 #
ETN-91-99560 ..... 24 p3990 N91-32291 #
ETN-91-99561 ..... 23 p3798 N91-31185 #
ETN-91-99562 ..... 22 p3679 N91-30483 #
ETN-91-99563 ..... 22 p3745 N91-30873 #
ETN-91-99564 ..... 22 p3732 N91-30778 #
ETN-91-99565 ..... 22 p3732 N91-30779 #
ETN-91-99566 ..... 22 p3732 N91-30780 #
ETN-91-99567 ..... 22 p3732 N91-30781 #
ETN-91-99568 ..... 22 p3742 N91-30848 #
ETN-91-99569 ..... 22 p3718 N91-30695 #
ETN-91-99570 ..... 22 p3732 N91-30782 #
ETN-91-99571 ..... 22 p3747 N91-30888 #
ETN-91-99572 ..... 22 p3746 N91-30874 #
ETN-91-99573 ..... 22 p3748 N91-30889 #
ETN-91-99574 ..... 23 p3919 N91-31891 #
ETN-91-99575 ..... 22 p3747 N91-30883 #
ETN-91-99576 ..... 23 p3919 N91-31892 #
ETN-91-99577 ..... 23 p3868 N91-31577 #
ETN-91-99578 ..... 23 p3922 N91-31916 #
ETN-91-99579 ..... 23 p3909 N91-31821 #
ETN-91-99580 ..... 23 p3909 N91-31822 #
ETN-91-99581 ..... 23 p3919 N91-31893 #
ETN-91-99582 ..... 23 p3920 N91-31894 #
ETN-91-99583 ..... 23 p3909 N91-31823 #
ETN-91-99584 ..... 23 p3917 N91-31880 #
ETN-91-99585 ..... 23 p3909 N91-31824 #
ETN-91-99586 ..... 23 p3909 N91-31825 #
ETN-91-99587 ..... 23 p3920 N91-31895 #
ETN-91-99588 ..... 23 p3936 N91-31996 #
ETN-91-99589 ..... 23 p3910 N91-31826 #
ETN-91-99590 ..... 23 p3910 N91-31827 #
ETN-91-99591 ..... 23 p3936 N91-31997 #
ETN-91-99592 ..... 23 p3920 N91-31896 #
ETN-91-99593 ..... 23 p3920 N91-31897 #
ETN-91-99594 ..... 23 p3910 N91-31828 #
ETN-91-99595 ..... 23 p3910 N91-31829 #
ETN-91-99596 ..... 23 p3920 N91-31898 #
ETN-91-99597 ..... 23 p3920 N91-31899 #
ETN-91-99598 ..... 23 p3910 N91-31830 #
ETN-91-99599 ..... 23 p3910 N91-31831 #
ETN-91-99600 ..... 23 p3910 N91-31832 #
ETN-91-99601 ..... 23 p3920 N91-31900 #
ETN-91-99602 ..... 23 p3911 N91-31833 #
ETN-91-99603 ..... 23 p3911 N91-31834 #
ETN-91-99604 ..... 23 p3911 N91-31835 #
ETN-91-99605 ..... 23 p3920 N91-31901 #
ETN-91-99606 ..... 23 p3922 N91-31917 #
ETN-91-99607 ..... 23 p3923 N91-31921 #
ETN-91-99608 ..... 23 p3911 N91-31836 #
ETN-91-99609 ..... 23 p3911 N91-31837 #
ETN-91-99610 ..... 23 p3911 N91-31838 #
ETN-91-99611 ..... 23 p3920 N91-31902 #
ETN-91-99612 ..... 23 p3921 N91-31903 #
ETN-91-99613 ..... 23 p3912 N91-31839 #
ETN-91-99614 ..... 23 p3787 N91-31118 #
ETN-91-99615 ..... 22 p3761 N91-30965 #
ETN-91-99616 ..... 22 p3665 N91-30405 #
ETN-91-99617 ..... 22 p3733 N91-30783 #
ETN-91-99618 ..... 22 p3733 N91-30784 #
ETN-91-99619 ..... 22 p3719 N91-30700 #
ETN-91-99620 ..... 22 p3742 N91-30849 #
ETN-91-99621 ..... 22 p3719 N91-30701 #
ETN-91-99622 ..... 22 p3761 N91-30966 #
ETN-91-99623 ..... 22 p3757 N91-30945 #
ETN-91-99624 ..... 22 p3742 N91-30850 #
ETN-91-99625 ..... 22 p3665 N91-30406 #
ETN-91-99626 ..... 22 p3665 N91-30407 #
ETN-91-99627 ..... 22 p3742 N91-30851 #
ETN-91-99628 ..... 22 p3700 N91-30601 #
ETN-91-99629 ..... 23 p3923 N91-31918 #
ETN-91-99631 ..... 22 p3695 N91-30573 #
ETN-91-99632 ..... 22 p3768 N91-31012 #
ETN-91-99633 ..... 22 p3733 N91-30785 #
ETN-91-99634 ..... 22 p3733 N91-30786 #
ETN-91-99635 ..... 22 p3733 N91-30787 #
ETN-91-99636 ..... 22 p3679 N91-30484 #
ETN-91-99637 ..... 23 p3917 N91-31878 #
ETN-91-99638 ..... 22 p3646 N91-30291 #
ETN-91-99639 ..... 22 p3679 N91-30485 #
ETN-91-99640 ..... 22 p3748 N91-30890 #
ETN-91-99641 ..... 22 p3623 N91-30155 #
ETN-91-99642 ..... 22 p3654 N91-30339 #
ETN-91-99643 ..... 23 p3789 N91-31131 #
ETN-91-99644 ..... 22 p3619 N91-30134 #
ETN-91-99645 ..... 22 p3689 N91-30542 #
ETN-91-99646 ..... 22 p3630 N91-30199 #
ETN-91-99647 ..... 23 p3781 N91-31081 #
ETN-91-99648 ..... 22 p3679 N91-30486 #
ETN-91-99649 ..... 22 p3680 N91-30494 #
ETN-91-99650 ..... 22 p3619 N91-30135 #
ETN-91-99651 ..... 22 p3733 N91-30788 #
ETN-91-99652 ..... 23 p3815 N91-31282 #
ETN-91-99653 ..... 22 p3621 N91-30143 #
ETN-91-99654 ..... 23 p3789 N91-31133 #
ETN-91-99655 ..... 23 p3782 N91-31084 #
ETN-91-99656 ..... 23 p3787 N91-31119 #
ETN-91-99657 ..... 23 p3868 N91-31578 #
ETN-91-99658 ..... 23 p3869 N91-31579 #
ETN-91-99659 ..... 23 p3919 N91-31887 #
ETN-91-99660 ..... 22 p3738 N91-30823 #
ETN-91-99661 ..... 22 p3738 N91-30824 #
ETN-91-99662 ..... 22 p3733 N91-30789 #
ETN-91-99663 ..... 22 p3734 N91-30790 #
ETN-91-99664 ..... 22 p3734 N91-30791 #
ETN-91-99665 ..... 22 p3734 N91-30792 #
ETN-91-99666 ..... 22 p3746 N91-30875 #
ETN-91-99667 ..... 22 p3734 N91-30793 #
ETN-91-99668 ..... 22 p3746 N91-30876 #
ETN-91-99669 ..... 22 p3728 N91-30752 #
ETN-91-99670 ..... 22 p3734 N91-30794 #
ETN-91-99671 ..... 22 p3739 N91-30825 #
ETN-91-99672 ..... 22 p3734 N91-30795 #
ETN-91-99673 ..... 22 p3739 N91-30826 #
ETN-91-99674 ..... 22 p3737 N91-30812 #
ETN-91-99675 ..... 22 p3737 N91-30813 #
ETN-91-99676 ..... 22 p3737 N91-30814 #
ETN-91-99677 ..... 22 p3737 N91-30815 #
ETN-91-99678 ..... 22 p3734 N91-30796 #
ETN-91-99679 ..... 22 p3735 N91-30797 #
ETN-91-99680 ..... 22 p3665 N91-30408 #
ETN-91-99681 ..... 22 p3769 N91-31013 #
ETN-91-99682 ..... 22 p3769 N91-31014 #
ETN-91-99683 ..... 22 p3769 N91-31015 #
ETN-91-99684 ..... 22 p3769 N91-31016 #
ETN-91-99685 ..... 22 p3728 N91-30753 #
ETN-91-99686 ..... 22 p3739 N91-30827 #
ETN-91-99687 ..... 22 p3735 N91-30798 #
ETN-91-99688 ..... 22 p3769 N91-31017 #
ETN-91-99689 ..... 22 p3742 N91-30852 #
ETN-91-99690 ..... 22 p3735 N91-30799 #
ETN-91-99691 ..... 22 p3735 N91-30800 #
ETN-91-99692 ..... 22 p3739 N91-30828 #
ETN-91-99693 ..... 22 p3735 N91-30801 #
ETN-91-99694 ..... 22 p3735 N91-30802 #
ETN-91-99695 ..... 22 p3724 N91-30723 #
ETN-91-99696 ..... 22 p3739 N91-30829 #
ETN-91-99697 ..... 22 p3735 N91-30803 #
ETN-91-99698 ..... 22 p3743 N91-30853 #
ETN-91-99699 ..... 22 p3736 N91-30804 #
ETN-91-99700 ..... 23 p3855 N91-31493 #
ETN-91-99701 ..... 22 p3666 N91-30409 #
ETN-91-99702 ..... 23 p3915 N91-31863 #
ETN-91-99703 ..... 22 p3736 N91-30805 #
ETN-91-99704 ..... 22 p3736 N91-30806 #
ETN-91-99705 ..... 22 p3736 N91-30807 #
ETN-91-99706 ..... 23 p3912 N91-31840 #
ETN-91-99707 ..... 22 p3729 N91-30754 #
ETN-91-99708 ..... 22 p3739 N91-30830 #
ETN-91-99709 ..... 22 p3736 N91-30808 #
ETN-91-99710 ..... 23 p3912 N91-31841 #
ETN-91-99711 ..... 23 p3921 N91-31904 #
ETN-91-99712 ..... 23 p3921 N91-31905 #
ETN-91-99713 ..... 23 p3921 N91-31906 #
ETN-91-99714 ..... 23 p3912 N91-31842 #
ETN-91-99715 ..... 23 p3912 N91-31843 #
ETN-91-99716 ..... 23 p3869 N91-31580 #
ETN-91-99717 ..... 23 p3921 N91-31907 #
ETN-91-99718 ..... 23 p3921 N91-31908 #
ETN-91-99719 ..... 23 p3921 N91-31909 #
ETN-91-99720 ..... 23 p3922 N91-31910 #
ETN-91-99721 ..... 23 p3912 N91-31844 #
ETN-91-99722 ..... 23 p3918 N91-31881 #
ETN-91-99723 ..... 23 p3912 N91-31845 #
ETN-91-99724 ..... 22 p3739 N91-30831 #
ETN-91-99725 ..... 22 p3740 N91-30832 #
ETN-91-99726 ..... 22 p3748 N91-30891 #
ETN-91-99728 ..... 22 p3746 N91-30877 #
ETN-91-99729 ..... 22 p3746 N91-30878 #
ETN-91-99730 ..... 22 p3748 N91-30892 #

ETN-91-99731 ..... 22 p3736 N91-30809 #
ETN-91-99732 ..... 22 p3679 N91-30487 #
ETN-91-99733 ..... 22 p3679 N91-30488 #
ETN-91-99734 ..... 22 p3746 N91-30879 #
ETN-91-99736 ..... 23 p3854 N91-31489 #
ETN-91-99737 ..... 23 p3937 N91-32002 #
ETN-91-99738 ..... 23 p3782 N91-31085 #
ETN-91-99739 ..... 23 p3869 N91-31581 #
ETN-91-99740 ..... 23 p3869 N91-31582 #
ETN-91-99741 ..... 23 p3888 N91-31696 #
ETN-91-99742 ..... 23 p3815 N91-31283 #
ETN-91-99743 ..... 23 p3800 N91-31197 #
ETN-91-99744 ..... 23 p3802 N91-31203 #
ETN-91-99745 ..... 24 p4026 N91-32496 #
ETN-91-99746 ..... 23 p3815 N91-31284 #
ETN-91-99747 ..... 23 p3938 N91-32008 #
ETN-91-99748 ..... 23 p3860 N91-31524 #
ETN-91-99749 ..... 23 p3918 N91-31882 #
ETN-91-99750 ..... 23 p3916 N91-31871 #
ETN-91-99751 ..... 23 p3798 N91-31186 #
ETN-91-99752 ..... 23 p3819 N91-31304 #
ETN-91-99753 ..... 23 p3821 N91-31317 #
ETN-91-99754 ..... 23 p3782 N91-31086 #
ETN-91-99755 ..... 23 p3798 N91-31183 #
ETN-91-99756 ..... 23 p3782 N91-31087 #
ETN-91-99757 ..... 23 p3801 N91-31198 #
ETN-91-99758 ..... 23 p3878 N91-31635 #
ETN-91-99759 ..... 23 p3790 N91-31134 #
ETN-91-99760 ..... 23 p3928 N91-31949 #
ETN-91-99761 ..... 23 p3889 N91-31705 #
ETN-91-99762 ..... 23 p3889 N91-31706 #
ETN-91-99763 ..... 23 p3790 N91-31135 #
ETN-91-99764 ..... 23 p3782 N91-31088 #
ETN-91-99765 ..... 22 p3767 N91-31001
ETN-91-99766 ..... 22 p3767 N91-31002
ETN-91-99767 ..... 23 p3936 N91-31994
ETN-91-99768 ..... 22 p3737 N91-30816
ETN-91-99769 ..... 22 p3745 N91-30868
ETN-91-99770 ..... 22 p3737 N91-30817
ETN-91-99771 ..... 22 p3678 N91-30477 #
ETN-91-99772 ..... 22 p3624 N91-30164 #
ETN-91-99773 ..... 22 p3680 N91-30492 #
ETN-91-99774 ..... 22 p3613 N91-30099 #
ETN-91-99775 ..... 23 p3789 N91-31130 #
ETN-91-99776 ..... 22 p3613 N91-30100 #
ETN-91-99777 ..... 22 p3613 N91-30101 #
ETN-91-99778 ..... 22 p3614 N91-30102 #
ETN-91-99779 ..... 22 p3614 N91-30103 #
ETN-91-99780 ..... 22 p3741 N91-30844 #
ETN-91-99781 ..... 22 p3694 N91-30568 #
ETN-91-99782 ..... 22 p3712 N91-30662 #
ETN-91-99783 ..... 22 p3712 N91-30663 #
ETN-91-99784 ..... 22 p3712 N91-30664 #
ETN-91-99785 ..... 23 p3896 N91-31747 #
ETN-91-99786 ..... 22 p3703 N91-30611 #
ETN-91-99787 ..... 22 p3616 N91-30119 #
ETN-91-99788 ..... 22 p3678 N91-30478 #
ETN-91-99789 ..... 22 p3663 N91-30394 #
ETN-91-99790 ..... 22 p3628 N91-30189 #
ETN-91-99791 ..... 22 p3663 N91-30395 #
ETN-91-99792 ..... 22 p3617 N91-30120 #
ETN-91-99793 ..... 22 p3678 N91-30479 #
ETN-91-99794 ..... 22 p3669 N91-30431 #
ETN-91-99795 ..... 22 p3699 N91-30598 #
ETN-91-99796 ..... 22 p3755 N91-30932 #
ETN-91-99797 ..... 22 p3651 N91-30319 #
ETN-91-99798 ..... 22 p3664 N91-30396 #
ETN-91-99799 ..... 22 p3698 N91-30590 #
ETN-91-99800 ..... 22 p3751 N91-30908 #
ETN-91-99801 ..... 22 p3698 N91-30591 #
ETN-91-99802 ..... 22 p3680 N91-30493 #
ETN-91-99803 ..... 22 p3745 N91-30869 #
ETN-91-99804 ..... 22 p3700 N91-30599 #
ETN-91-99805 ..... 22 p3614 N91-30104 #
ETN-91-99806 ..... 22 p3614 N91-30105 #
ETN-91-99807 ..... 22 p3683 N91-30507 #
ETN-91-99808 ..... 22 p3624 N91-30165 #
ETN-91-99809 ..... 22 p3664 N91-30397
ETN-91-99810 ..... 22 p3664 N91-30398
ETN-91-99811 ..... 22 p3751 N91-30909
ETN-01-99812 ..... 22 p3703 N91-30612
ETN-91-99813 ..... 22 p3664 N91-30399
ETN-91-99814 ..... 22 p3711 N91-30652
ETN-91-99816 ..... 22 p3664 N91-30400
ETN-91-99817 ..... 22 p3767 N91-31003
ETN-91-99818 ..... 22 p3648 N91-30306
ETN-91-99819 ..... 22 p3767 N91-31004
ETN-91-99820 ..... 22 p3718 N91-30693
ETN-91-99821 ..... 22 p3625 N91-30166
ETN-91-99822 ..... 22 p3625 N91-30167
ETN-91-99823 ..... 22 p3689 N91-30541
ETN-91-99824 ..... 22 p3719 N91-30698
ETN-91-99825 ..... 22 p3721 N91-30708
ETN-91-99826 ..... 22 p3719 N91-30699
ETN-91-99827 ..... 22 p3721 N91-30709
ETN-91-99828 ..... 22 p3630 N91-30198 #
ETN-91-99829 ..... 22 p3690 N91-30547 #
ETN-91-99830 ..... 22 p3723 N91-30722 #
ETN-91-99831 ..... 24 p4124 N91-33052
ETN-91-99834 ..... 22 p3617 N91-30121
ETN-91-99835 ..... 22 p3617 N91-30122
ETN-91-99836 ..... 23 p3894 N91-31729
ETN-91-99837 ..... 22 p3741 N91-30845
ETN-91-99839 ..... 22 p3729 N91-30755 #
ETN-91-99840 ..... 22 p3729 N91-30756 #
ETN-91-99842 ..... 22 p3729 N91-30757 #
ETN-91-99843 ..... 22 p3747 N91-30884 #
ETN-91-99844 ..... 22 p3617 N91-30123 #
ETN-91-99845 ..... 22 p3729 N91-30758 #
ETN-91-99846 ..... 22 p3664 N91-30401 #
ETN-91-99847 ..... 22 p3729 N91-30759 #
ETN-91-99848 ..... 22 p3718 N91-30694 #
ETN-91-99849 ..... 22 p3729 N91-30760 #
ETN-91-99850 ..... 22 p3627 N91-30182 #
ETN-91-99851 ..... 22 p3627 N91-30183 #
ETN-91-99852 ..... 22 p3627 N91-30184 #
ETN-91-99853 ..... 22 p3621 N91-30144 #
ETN-91-99854 ..... 22 p3678 N91-30480 #
ETN-91-99855 ..... 22 p3621 N91-30145 #
ETN-91-99857 ..... 22 p3695 N91-30569 #
ETN-91-99858 ..... 22 p3645 N91-30285 #
ETN-91-99859 ..... 22 p3670 N91-30432 #
ETN-91-99860 ..... 22 p3678 N91-30481 #
ETN-91-99861 ..... 24 p4012 N91-32424 #
ETN-91-99863 ..... 24 p3983 N91-32248
ETN-91-99866 ..... 24 p4005 N91-32395
ETN-91-99867 ..... 24 p4094 N91-32872
ETN-91-99868 ..... 24 p3963 N91-32147
ETN-91-99869 ..... 24 p4094 N91-32873
ETN-91-99870 ..... 24 p4094 N91-32874
ETN-91-99873 ..... 24 p4094 N91-32875
ETN-91-99874 ..... 24 p3974 N91-32201
ETN-91-99875 ..... 24 p3975 N91-32202
ETN-91-99879 ..... 24 p4012 N91-32425 #
ETN-91-99883 ..... 24 p4095 N91-32876 #
ETN-91-99884 ..... 24 p4095 N91-32877 #
ETN-91-99886 ..... 24 p4041 N91-32580 #
ETN-91-99887 ..... 24 p4071 N91-32745 #
ETN-91-99888 ..... 24 p4083 N91-32807 #
ETN-91-99890 ..... 24 p4092 N91-32861 #
ETN-91-99892 ..... 22 p3627 N91-30185 #
ETN-91-99893 ..... 22 p3621 N91-30146 #
ETN-91-99894 ..... 22 p3621 N91-30147 #
ETN-91-99897 ..... 24 p4077 N91-32772 #
ETN-91-99899 ..... 22 p3771 N91-31025 #
ETN-91-99902 ..... 24 p4012 N91-32426 #
ETN-91-99903 ..... 23 p3865 N91-31551 #
ETN-91-99904 ..... 23 p3866 N91-31565 #
ETN-91-99905 ..... 23 p3875 N91-31614 #
ETN-91-99906 ..... 23 p3876 N91-31625 #
ETN-91-99907 ..... 23 p3782 N91-31089 #
ETN-91-99908 ..... 23 p3878 N91-31636 #
ETN-91-99910 ..... 23 p3783 N91-31090 #
ETN-91-99911 ..... 23 p3806 N91-31231 #
ETN-91-99912 ..... 23 p3819 N91-31305 #
ETN-91-99913 ..... 23 p3869 N91-31583 #
ETN-91-99914 ..... 23 p3869 N91-31584 #
ETN-91-99915 ..... 23 p3806 N91-31232 #
ETN-91-99916 ..... 23 p3807 N91-31233 #
ETN-91-99917 ..... 23 p3885 N91-31680 #
ETN-91-99918 ..... 23 p3797 N91-31180 #
ETN-91-99919 ..... 23 p3783 N91-31091 #
ETN-91-99920 ..... 23 p3860 N91-31525 #
ETN-91-99921 ..... 23 p3918 N91-31883 #
ETN-91-99922 ..... 23 p3861 N91-31526 #
ETN-91-99923 ..... 23 p3861 N91-31527 #
ETN-91-99924 ..... 23 p3885 N91-31681 #
ETN-91-99925 ..... 23 p3816 N91-31285 #
ETN-91-99926 ..... 23 p3913 N91-31846
ETN-91-99927 ..... 23 p3918 N91-31884
ETN-91-99928 ..... 23 p3869 N91-31585 #
ETN-91-99929 ..... 23 p3783 N91-31092 #
ETN-91-99930 ..... 23 p3783 N91-31093 #
ETN-91-99931 ..... 23 p3783 N91-31094 #
ETN-91-99932 ..... 23 p3807 N91-31234 #
ETN-91-99933 ..... 23 p3885 N91-31682 #
ETN-91-99934 ..... 23 p3924 N91-31924 #
ETN-91-99935 ..... 23 p3870 N91-31586 #
ETN-91-99936 ..... 23 p3783 N91-31095 #
ETN-91-99937 ..... 23 p3790 N91-31136 #
ETN-91-99938 ..... 23 p3924 N91-31925 #
ETN-91-99939 ..... 23 p3786 N91-31111 #
ETN-91-99940 ..... 23 p3786 N91-31112 #
ETN-91-99941 ..... 23 p3783 N91-31096 #
ETN-91-99942 ..... 23 p3783 N91-31097 #
ETN-91-99943 ..... 23 p3790 N91-31137 #
ETN-91-99944 ..... 23 p3784 N91-31098 #
ETN-91-99945 ..... 23 p3784 N91-31099 #
ETN-91-99946 ..... 23 p3784 N91-31100 #
ETN-91-99947 ..... 23 p3878 N91-31637 #
ETN-91-99948 ..... 23 p3784 N91-31101 #
ETN-91-99949 ..... 23 p3784 N91-31102 #

ETN-91-99950 ..... 23 p3785 N91-31103 #
ETN-91-99951 ..... 23 p3870 N91-31587 #
ETN-91-99952 ..... 23 p3798 N91-31187 #
ETN-91-99954 ..... 23 p3785 N91-31104 #
ETN-91-99955 ..... 23 p3785 N91-31105 #
ETN-91-99956 ..... 23 p3870 N91-31588 #
ETN-91-99957 ..... 23 p3798 N91-31188 #
ETN-91-99958 ..... 23 p3870 N91-31589 #
ETN-91-99959 ..... 23 p3870 N91-31590 #
ETN-91-99960 ..... 23 p3913 N91-31847 #
ETN-91-99961 ..... 24 p3949 N91-32073 #
ETN-91-99962 ..... 23 p3913 N91-31848 #
ETN-91-99963 ..... 23 p3913 N91-31849 #
ETN-91-99964 ..... 23 p3913 N91-31850 #
ETN-91-99965 ..... 23 p3870 N91-31591 #
ETN-91-99966 ..... 23 p3871 N91-31592 #
ETN-91-99967 ..... 23 p3871 N91-31593 #
ETN-91-99968 ..... 23 p3913 N91-31851 #
ETN-91-99970 ..... 24 p4094 N91-32871 #
ETN-91-99971 ..... 23 p3873 N91-31603 #
ETN-91-99972 ..... 23 p3882 N91-31662 #
ETN-91-99973 ..... 23 p3899 N91-31761 #
ETN-91-99974 ..... 23 p3871 N91-31594 #
ETN-91-99975 ..... 23 p3798 N91-31184 #
ETN-91-99976 ..... 23 p3799 N91-31189 #
ETN-91-99977 ..... 23 p3873 N91-31604 #
ETN-91-99980 ..... 23 p3852 N91-31475 #
ETN-91-99981 ..... 23 p3885 N91-31683 #
ETN-91-99982 ..... 23 p3819 N91-31306 #
ETN-91-99983 ..... 23 p3934 N91-31987 #
ETN-91-99984 ..... 23 p3899 N91-31762 #
ETN-91-99985 ..... 23 p3913 N91-31852 #
ETN-91-99988 ..... 23 p3856 N91-31498 #
ETN-91-99990 ..... 24 p4072 N91-32753
ETN-91-99991 ..... 24 p4083 N91-32812
ETN-91-99994 ..... 24 p4092 N91-32862
ETN-91-99995 ..... 24 p4022 N91-32477
ETN-91-99996 ..... 24 p4084 N91-32813
ETN-91-99999 ..... 24 p4006 N91-32396

EUR-FU/80/90-99 ..... 08 p1230 N91-16781 #

EUT-89-E-231 ..... 22 p3761 N91-30965 #
EUT-89-E-232 ..... 22 p3665 N91-30405 #
EUT-90-E-234 ..... 22 p3733 N91-30783 #
EUT-90-E-238 ..... 22 p3733 N91-30784 #
EUT-90-E-239 ..... 22 p3719 N91-30700 #
EUT-90-E-240 ..... 22 p3742 N91-30849 #
EUT-90-E-241 ..... 22 p3719 N91-30701 #
EUT-90-E-242 ..... 22 p3761 N91-30966 #
EUT-90-E-243 ..... 22 p3757 N91-30945 #
EUT-90-E-244 ..... 22 p3742 N91-30850 #
EUT-90-E-245 ..... 22 p3665 N91-30406 #
EUT-90-E-246-X ..... 22 p3665 N91-30407 #
EUT-90-E-247 ..... 22 p3742 N91-30851 #
EUT-90-E-248 ..... 22 p3700 N91-30601 #

EXAMENARBEIT-8 ..... 15 p2464 N91-23653 #

E19-666-2 ..... 12 p1901 N91-20457* #
E19-666-2 ..... 13 p2088 N91-21489* #
E25-666 ..... 19 p3173 N91-27545* #

FAA-APA-PG-12 ..... 04 p0605 N91-13365 #

FAA-APO-90-6 ..... 03 p0311 N91-11743 #
FAA-APO-91-1 ..... 14 p2185 N91-22068 #

FAA-ARD-90/27 ..... 22 p3616 N91-30115 #

FACL-76 ..... 12 p1922 N91-20574 #

FCM-H11B-1990 ..... 19 p3203 N91-27703 #

FCR-11137 ..... 20 p3368 N91-28659 #
FCR-11191 ..... 11 p1726 N91-19505 #
FCR-11645A ..... 24 p4039 N91-32570 #

FDA-90-10 ..... 06 p0869 N91-14803* #

FEL-89-A193 ..... 24 p4092 N91-32862
FEL-89-A267 ..... 05 p0674 N91-13747
FEL-89-A312 ..... 05 p0674 N91-13748
FEL-89-A368 ..... 05 p0622 N91-13450
FEL-89-B258 ..... 05 p0649 N91-13601
FEL-89-B277-VOL-1 ..... 05 p0654 N91-13632
FEL-89-B286 ..... 05 p0654 N91-13633
FEL-89-B304 ..... 05 p0704 N91-13925
FEL-89-B336 ..... 05 p0649 N91-13602
FEL-90-A022 ..... 05 p0650 N91-13606
FEL-90-A084 ..... 05 p0695 N91-13871
FEL-90-A087 ..... 07 p1008 N91-15537
FEL-90-A089 ..... 05 p0654 N91-13636
FEL-90-A112 ..... 05 p0650 N91-13607
FEL-90-A116 ..... 05 p0699 N91-13892
FEL-90-A125 ..... 08 p1156 N91-16365
FEL-90-A196 ..... 22 p3664 N91-30397
FEL-90-A207 ..... 05 p0690 N91-13838
FEL-90-A211 ..... 15 p2412 N91-23358
FEL-90-A222 ..... 22 p3664 N91-30398
FEL-90-A224 ..... 07 p0995 N91-15461
FEL-90-A268 ..... 22 p3751 N91-30909
FEL-90-A290 ..... 22 p3703 N91-30612
FEL-90-A299 ..... 22 p3664 N91-30399
FEL-90-A303 ..... 24 p4022 N91-32477
FEL-90-A315 ..... 22 p3711 N91-30652
FEL-90-A322 ..... 24 p4084 N91-32813
FEL-90-A338 ..... 19 p3151 N91-27417 #
FEL-90-B023 ..... 05 p0649 N91-13603
FEL-90-B033 ..... 15 p2412 N91-23359
FEL-90-B092 ..... 05 p0649 N91-13604
FEL-90-B098 ..... 08 p1156 N91-16366
FEL-90-B114 ..... 05 p0654 N91-13634
FEL-90-B176 ..... 05 p0654 N91-13635
FEL-90-B215 ..... 15 p2413 N91-23360
FEL-90-B216 ..... 15 p2413 N91-23361
FEL-90-B238 ..... 07 p0995 N91-15463
FEL-90-B255 ..... 15 p2418 N91-23392
FEL-90-B262 ..... 07 p0995 N91-15464
FEL-90-B340 ..... 16 p2618 N91-24492 #
FEL-90-B345 ..... 22 p3664 N91-30400
FEL-90-B356 ..... 22 p3767 N91-31003
FEL-90-C082 ..... 08 p1168 N91-16430 #
FEL-91-A076 ..... 24 p4006 N91-32396
FEL-91-B002 ..... 24 p3983 N91-32246
FEL-91-B038 ..... 19 p3152 N91-27422 #
FEL-91-B043-PT-1 ..... 19 p3151 N91-27418 #
FEL-91-B099 ..... 23 p3916 N91-31872
FEL-91-B100 ..... 23 p3916 N91-31873
FEL-91-B122 ..... 23 p3855 N91-31496
FEL-1987-102 ..... 11 p1693 N91-19327 #
FEL-1988-85 ..... 05 p0649 N91-13605
FEL-1989-B367 ..... 07 p0995 N91-15462

FERMILAB-CONF-90/72-T ..... 08 p1231 N91-16787 #
FERMILAB-CONF-90/240-A ..... 10 p1618 N91-18919 #
FERMILAB-CONF-90/241-A ..... 09 p1428 N91-17860* #
FERMILAB-CONF-90/245-A ..... 10 p1617 N91-18918* #
FERMILAB-CONF-91/78-A ..... 14 p2347 N91-22982* #
FERMILAB-CONF-91/81-A ..... 15 p2529 N91-24015* #
FERMILAB-CONF-91/179-A ..... 20 p3444 N91-29111* #

FERMILAB-PUB-90/81-REV ..... 05 p0713 N91-13976* #
FERMILAB-PUB-90/181-A ..... 16 p2684 N91-24866* #
FERMILAB-PUB-91/17-A ..... 22 p3773 N91-31043* #
FERMILAB-PUB-91/50-A ..... 14 p2347 N91-22981* #
FERMILAB-PUB-91/55-A ..... 15 p2529 N91-24016* #
FERMILAB-PUB-91/101-A ..... 16 p2697 N91-24933* #
FERMILAB-PUB-91/103-A ..... 16 p2685 N91-24868* #
FERMILAB-PUB-91/104-A ..... 16 p2685 N91-24867* #
FERMILAB-PUB-91/136-A ..... 16 p2684 N91-24865* #
FERMILAB-PUB-91/142-A ..... 16 p2685 N91-24869* #
FERMILAB-PUB-91/161-A ..... 22 p3777 N91-31067* #
FERMILAB-PUB-91/164-A ..... 20 p3443 N91-29108* #
FERMILAB-PUB-91/175-A ..... 20 p3444 N91-29113* #
FERMILAB-PUB-91/176-A ..... 20 p3443 N91-29109* #
FERMILAB-PUB-91/178-A ..... 22 p3776 N91-31060* #
FERMILAB-PUB-91/180-A ..... 22 p3752 N91-30916* #
FERMILAB-PUB-91/186-A ..... 20 p3444 N91-29112* #
FERMILAB-PUB-91/192-A ..... 20 p3444 N91-29110* #

FFA-TN-1988-21 ..... 05 p0678 N91-13768* #
FFA-TN-1988-34 ..... 22 p3695 N91-30571 #
FFA-TN-1989-12 ..... 05 p0678 N91-13769 #
FFA-TN-1989-39 ..... 22 p3615 N91-30108 #
FFA-TN-1989-41 ..... 13 p2081 N91-21467 #
FFA-TN-1989-43 ..... 13 p2081 N91-21468 #
FFA-TN-1989-47 ..... 05 p0616 N91-13416 #
FFA-TN-1990-02 ..... 05 p0684 N91-13801 #
FFA-TN-1990-21 ..... 05 p0616 N91-13417 #
FFA-TN-1990-22 ..... 13 p2101 N91-21567 #
FFA-TN-1990-24-PT-2 ..... 13 p2019 N91-21109 #
FFA-TN-1990-25 ..... 05 p0678 N91-13770 #
FFA-TN-1990-26 ..... 07 p0971 N91-15331 #
FFA-TN-1990-27 ..... 08 p1106 N91-16070 #
FFA-TN-1990-28 ..... 05 p0678 N91-13771 #
FFA-TN-1990-29 ..... 15 p2406 N91-23321 #
FFA-TN-1990-32 ..... 13 p2102 N91-21568 #
FFA-TN-1990-33 ..... 13 p2102 N91-21569 #
FFA-TN-1990-34 ..... 08 p1218 N91-16706 #
FFA-TN-1990-35 ..... 05 p0622 N91-13448 #
FFA-TN-1990-36 ..... 13 p2081 N91-21469 #
FFA-TN-1990-37 ..... 11 p1728 N91-19513 #
FFA-TN-1990-40 ..... 05 p0678 N91-13772 #
FFA-TN-1990-41 ..... 13 p2102 N91-21570 #
FFA-TN-1990-45 ..... 16 p2623 N91-24526 #
FFA-TN-1990-53 ..... 15 p2374 N91-23138 #
FFA-TN-1991-03 ..... 13 p2019 N91-21110 #
FFA-TN-1991-05 ..... 22 p3616 N91-30119 #
FFA-TN-1991-08-PT-1 ..... 15 p2485 N91-23759 #
FFA-TN-1991-15 ..... 22 p3695 N91-30572 #

FFA-147 ..... 18 p2982 N91-26466 #

FFI-90/4002 ..... 14 p2308 N91-22753 #
FFI-90/4005-VOL-1 ..... 12 p1844 N91-20138 #
FFI-90/4005-VOL-2 ..... 12 p1844 N91-20139 #
FFI-90/4005-VOL-3 ..... 12 p1845 N91-20140 #
FFI-90/4005-VOL-4 ..... 13 p2026 N91-21145 #
FFI-90/4005-VOL-5 ..... 12 p1845 N91-20141 #
FFI-90/4005-VOL-6 ..... 13 p2027 N91-21146 #
FFI-90/4005-VOL-7 ..... 13 p2027 N91-21147 #
FFI-90/4005-VOL-8 ..... 13 p2027 N91-21148 #
FFI-90/4005-VOL-9 ..... 12 p1845 N91-20142 #
FFI-90/6007 ..... 14 p2321 N91-22821 #
FFI-90/7010 ..... 05 p0703 N91-13922 #
FFI-90/7012 ..... 05 p0699 N91-13891 #
FFI-90/7016 ..... 05 p0649 N91-13600 #
FFI-90/7017 ..... 05 p0688 N91-13828 #
FFI-90/7022 ..... 05 p0704 N91-13923 #
FFI-90/7023 ..... 05 p0704 N91-13924 #
FFI-90/7040 ..... 10 p1529 N91-18421 #
FFI-90/7047 ..... 22 p3665 N91-30403 #
FFI-91/4004 ..... 24 p3975 N91-32203 #
FFI-91/5009 ..... 24 p4118 N91-33015 #
FFI-91/6004 ..... 24 p3972 N91-32188 #
FFI-91/6006 ..... 24 p3963 N91-32148 #
FFI-91/7002 ..... 15 p2484 N91-23754 #
FFI-91/7003 ..... 22 p3665 N91-30404 #

FGCC-IS-90-1 ..... 09 p1296 N91-17116* #
FGCC-IS-90-2 ..... 09 p1297 N91-17117* #

FHWA/CAL/TL-90/03 ..... 19 p3178 N91-27574 #

FHWA/HPR/NM-89-04 ..... 13 p2022 N91-21125 #

FHWA/NC-89/005 ..... 09 p1286 N91-17067 #

FHWA/TX-90 ..... 19 p3102 N91-27141 #

FI-452-TB-67 ..... 02 p0270 N91-11517

FJSRL-JR-90-0015 ..... 07 p0975 N91-15351 #
FJSRL-JR-91-0003 ..... 16 p2676 N91-24814 #

FJSRL-PR-90-0018 ..... 12 p1829 N91-20049 #

FJSRL-TR-90-0002 ..... 06 p0778 N91-14313 #
FJSRL-TR-90-0004 ..... 16 p2683 N91-24856 #

FNAL-PUB-90/147-A ..... 01 p0117 N91-10695* #
FNAL-PUB-91/80-A ..... 16 p2697 N91-24934* #
FNAL-PUB-91/167-T/A ..... 20 p3402 N91-28858* #

FNAL-TM-1654 ..... 08 p1147 N91-16316 #
FNAL-TM-1671 ..... 01 p0047 N91-10281 #
FNAL-TM-1676 ..... 02 p0194 N91-11086 #
FNAL-TM-1688 ..... 06 p0824 N91-14554 #
FNAL-TM-1689 ..... 10 p1594 N91-18794 #
FNAL-TM-1699 ..... 10 p1519 N91-18361 #
FNAL-TM-1707 ..... 11 p1813 N91-19958 #
FNAL-TM-1710 ..... 11 p1699 N91-19356 #
FNAL-TM-1712 ..... 11 p1790 N91-19821 #
FNAL-TM-1727 ..... 20 p3360 N91-28610 #
FNAL-TM-1742 ..... 21 p3565 N91-29816 #
FNAL-TM-1748 ..... 24 p4009 N91-32414 #

FNAL/C-90/140 ..... 02 p0269 N91-11511 #
FNAL/C-90/151 ..... 01 p0025 N91-10147 #
FNAL/C-90/226-A ..... 08 p1265 N91-16966 #
FNAL/C-90/230-A ..... 07 p1083 N91-15958 #
FNAL/C-90/250 ..... 13 p2152 N91-21864 #
FNAL/C-91/38 ..... 13 p2150 N91-21848 #
FNAL/C-91/53-A ..... 13 p2117 N91-21655 #
FNAL/C-91/56-A ..... 14 p2354 N91-23019 #
FNAL/C-91/61-A ..... 13 p2181 N91-22055 #
FNAL/C-91/72-T ..... 14 p2258 N91-22491 #
FNAL/C-91/78-A ..... 21 p3606 N91-30065 #
FNAL/C-91/83 ..... 18 p3062 N91-26916 #
FNAL/C-91/86 ..... 18 p3082 N91-27044 #
FNAL/C-91/90 ..... 24 p4090 N91-32849 #
FNAL/C-91/91 ..... 18 p3062 N91-26914 #
FNAL/C-91/114 ..... 20 p3340 N91-28497 #
FNAL/C-91/119 ..... 20 p3404 N91-28867 #
FNAL/C-91/144 ..... 21 p3498 N91-29408 #
FNAL/C-91/145 ..... 21 p3498 N91-29407 #
FNAL/C-91/173 ..... 24 p4121 N91-33032 #
FNAL/C-91/179-A ..... 24 p4122 N91-33040 #

FOA-B-40384-4.5 ..... 13 p2048 N91-21269 #

FOA-C-30570-8.3 ..... 09 p1427 N91-17855 #
FOA-C-30578-8.1 ..... 09 p1342 N91-17370 #
FOA-C-40281-4.5 ..... 14 p2290 N91-22665 #
FOA-C-40283-4.5 ..... 22 p3678 N91-30482 #

FOA-E-40044-4.5 ..... 01 p0044 N91-10263 #

FOA-E-40045-4.5 ..... 05 p0690 N91-13839 #

FR-19435-1 ..... 05 p0629 N91-13486* #
FR-19540-1 ..... 05 p0629 N91-13485* #
FR-19545-1 ..... 05 p0629 N91-13487* #
FR-19556-1 ..... 02 p0187 N91-11049* #
FR-20282-3 ..... 16 p2587 N91-24340* #
FR-20674 ..... 08 p1199 N91-16591 #
FR-21319-1 ..... 13 p2043 N91-21234* #
FR-21329 ..... 19 p3114 N91-27205* #
FR-60173-PHASE-1 ..... 12 p1986 N91-20928 #

FRACTO-91 ..... 19 p3180 N91-27584 #

FRCR-357-PT-2 ..... 15 p2511 N91-23912 #
FRCR-358 ..... 14 p2326 N91-22866 #
FRCR-367 ..... 17 p2870 N91-25876 #
FRCR-380 ..... 14 p2326 N91-22853 #
FRCR-381 ..... 15 p2512 N91-23918 #

FRI-TR-502 ..... 03 p0347 N91-11942 #

FR20889 ..... 09 p1380 N91-17586 #

FSCM-24235 ..... 16 p2561 N91-24206* #

FSGTR-SE-65 ..... 13 p2113 N91-21632 #

FSL-5 ..... 21 p3544 N91-29693 #

FSRN/INT-395 ..... 17 p2809 N91-25529 #

FSRP-SO-260 ..... 12 p1972 N91-20848 #

FSU-HEP-041090 ..... 02 p0254 N91-11412 #

FSU-STATISTICS-M832 ..... 21 p3568 N91-29840 #
FSU-STATISTICS-M836 ..... 21 p3568 N91-29839 #
FSU-STATISTICS-M840 ..... 21 p3568 N91-29838 #

FSU-TR-M829 ..... 04 p0533 N91-12959 #

FTD-ID(RS)R-0125-90 ..... 03 p0324 N91-11804 #
FTD-ID(RS)R-0306-90 ..... 03 p0360 N91-12021 #
FTD-ID(RS)R-0326-90 ..... 03 p0406 N91-12263 #
FTD-ID(RS)R-0410-90 ..... 03 p0360 N91-12016 #
FTD-ID(RS)R-0582-90 ..... 03 p0424 N91-12377 #

FTD-ID(RS)T-0166-90 ..... 16 p2669 N91-24768 #
FTD-ID(RS)T-0242-90 ..... 04 p0481 N91-12681 #
FTD-ID(RS)T-0258-90 ..... 05 p0623 N91-13454 #
FTD-ID(RS)T-0355-90 ..... 19 p3178 N91-27571 #
FTD-ID(RS)T-0356-90 ..... 16 p2638 N91-24598 #
FTD-ID(RS)T-0385-90 ..... 03 p0417 N91-12334 #
FTD-ID(RS)T-0408-90 ..... 03 p0371 N91-12079 #
FTD-ID(RS)T-0466-90 ..... 18 p2995 N91-26538 #
FTD-ID(RS)T-0470-91 ..... 21 p3486 N91-29339 #
FTD-ID(RS)T-0487-90 ..... 04 p0495 N91-12751 #
FTD-ID(RS)T-0533-90 ..... 21 p3451 N91-29141 #
FTD-ID(RS)T-0535-90 ..... 09 p1322 N91-17256 #
FTD-ID(RS)T-0536-90 ..... 16 p2638 N91-24597 #
FTD-ID(RS)T-0549-90 ..... 16 p2613 N91-24468 #
FTD-ID(RS)T-0550-90 ..... 18 p2988 N91-26497 #
FTD-ID(RS)T-0576-90 ..... 09 p1312 N91-17199 #
FTD-ID(RS)T-0579-90 ..... 09 p1409 N91-17756 #
FTD-ID(RS)T-0586-90 ..... 09 p1401 N91-17711 #
FTD-ID(RS)T-0589-90 ..... 16 p2692 N91-24903 #
FTD-ID(RS)T-0599-90 ..... 16 p2544 N91-24094 #
FTD-ID(RS)T-0647-90 ..... 21 p3459 N91-29182 #
FTD-ID(RS)T-0683-90 ..... 03 p0357 N91-11996 #
FTD-ID(RS)T-0691-90 ..... 21 p3451 N91-29142 #
FTD-ID(RS)T-0709-90 ..... 16 p2670 N91-24779 #
FTD-ID(RS)T-0716-90 ..... 16 p2544 N91-24093 #
FTD-ID(RS)T-0720-90 ..... 21 p3523 N91-29565 #
FTD-ID(RS)T-0741-90 ..... 16 p2632 N91-24570 #
FTD-ID(RS)T-0742-90 ..... 21 p3522 N91-29564 #
FTD-ID(RS)T-0754-90 ..... 18 p2954 N91-26300 #
FTD-ID(RS)T-0811-90 ..... 21 p3523 N91-29567 #
FTD-ID(RS)T-0886-88 ..... 13 p2042 N91-21229 #
FTD-ID(RS)T-0954-90 ..... 16 p2606 N91-24440 #
FTD-ID(RS)T-0958-90 ..... 18 p2959 N91-26327 #
FTD-ID(RS)T-0992-90 ..... 12 p1861 N91-20224 #
FTD-ID(RS)T-1042-90 ..... 16 p2632 N91-24572 #
FTD-ID(RS)T-1058-90 ..... 21 p3481 N91-29310 #
FTD-ID(RS)T-1062-90 ..... 18 p2999 N91-26562 #
FTD-ID(RS)T-1080-90 ..... 18 p2979 N91-26453 #
FTD-ID(RS)T-1104-90 ..... 22 p3657 N91-30354 #
FTD-ID(RS)T-1135-90 ..... 21 p3523 N91-29566 #
FTD-ID(RS)T-1181-90 ..... 18 p2990 N91-26511 #
FTD-ID(RS)T-1272-90 ..... 18 p3064 N91-26928 #
FTD-ID(RS)T-1273-90 ..... 18 p2933 N91-26180 #
FTD-ID(RS)T-1276-90 ..... 18 p2927 N91-26148 #
FTD-ID(RS)T-1277-90 ..... 18 p2987 N91-26493 #
FTD-ID(RS)T-1365-90 ..... 15 p2519 N91-23962 #
FTD-ID(RS)T-1367-90 ..... 19 p3240 N91-27918 #
FTD-ID(RS)T-1368-90 ..... 18 p2933 N91-26181 #

FTD-ID(RS)T-1379-90 ..... 16 p2687 N91-24872 #

FTI-9042-001-PHASE-1 ..... 13 p2132 N91-21735 #

F06-9-1 ..... 21 p3466 N91-29224 #
F88-06-102A ..... 16 p2631 N91-24566* #

G-110-TR ..... 07 p0970 N91-15323 #

GA-A-19922 ..... 08 p1226 N91-16752 #
GA-A-20077 ..... 08 p1225 N91-16749 #
GA-A-20094 ..... 05 p0667 N91-13706 #
GA-A-20095 ..... 05 p0667 N91-13705 #
GA-A-20097 ..... 05 p0721 N91-14025 #
GA-A-20098 ..... 05 p0721 N91-14024 #
GA-A-20100 ..... 09 p1401 N91-17710 #
GA-A-20105 ..... 05 p0721 N91-14023 #
GA-A-20111 ..... 05 p0721 N91-14022 #
GA-A-20130 ..... 11 p1800 N91-19881 #
GA-A-20219 ..... 06 p0877 N91-14847 #
GA-A-20250 ..... 06 p0876 N91-14846 #
GA-A-20267 ..... 11 p1804 N91-19908 #
GA-A-20272 ..... 13 p2157 N91-21888 #
GA-A-20277 ..... 13 p2156 N91-21887 #
GA-A-20280 ..... 12 p1985 N91-20920 #
GA-A-20281 ..... 12 p1984 N91-20919 #
GA-A-20283 ..... 12 p1984 N91-20918 #
GA-A-20299 ..... 12 p1983 N91-20913 #
GA-A-20346 ..... 12 p1987 N91-20933 #
GA-A-20362 ..... 15 p2512 N91-23922 #
GA-A-20363 ..... 15 p2513 N91-23923 #
GA-A-20418 ..... 17 p2867 N91-25858 #
GA-A-20448 ..... 18 p3066 N91-26939 #
GA-A-20466 ..... 18 p3066 N91-26938 #
GA-A-20467 ..... 24 p4107 N91-32952 #
GA-A-20477 ..... 17 p2867 N91-25860 #
GA-A-20478 ..... 17 p2867 N91-25859 #
GA-A-20479 ..... 17 p2869 N91-25872 #
GA-A-20480 ..... 21 p3586 N91-29950 #
GA-A-20539 ..... 20 p3421 N91-28973 #
GA-A-20548 ..... 21 p3588 N91-29957 #
GA-A-20558 ..... 24 p4107 N91-32949 #

GA-C-19942-REV-1 ..... 11 p1695 N91-19335 #
GA-C-20285 ..... 14 p2329 N91-22869 #
GA-C-20422 ..... 18 p2964 N91-26358 #

GA-C19465 ..... 03 p0422 N91-12362 #
GA-C19466 ..... 18 p3068 N91-26953 #

GALCIT-FM-90-3 ..... 23 p3812 N91-31267 #

GAMMA-51 ..... 07 p0949 N91-15210 #

GAO/IMTEC-90-61 ..... 13 p2146 N91-21820 #
GAO/IMTEC-90-79 ..... 13 p2024 N91-21136 #
GAO/IMTEC-91-3 ..... 11 p1813 N91-19955 #
GAO/IMTEC-91-20 ..... 11 p1655 N91-19119 #
GAO/IMTEC-91-24 ..... 14 p2339 N91-22933 #
GAO/IMTEC-91-48 ..... 22 p3765 N91-30988 #

GAO/NSIAD-90-154FS ..... 04 p0578 N91-13215 #
GAO/NSIAD-90-262 ..... 08 p1089 N91-15976 #
GAO/NSIAD-91-2 ..... 18 p2924 N91-26132 #
GAO/NSIAD-91-35 ..... 15 p2375 N91-23142 #
GAO/NSIAD-91-45 ..... 09 p1277 N91-17016 #
GAO/NSIAD-91-125 ..... 13 p2034 N91-21187 #
GAO/NSIAD-91-142 ..... 18 p2971 N91-26400 #
GAO/NSIAD-91-146 ..... 19 p3185 N91-27615 #
GAO/NSIAD-91-154 ..... 21 p3571 N91-29854 #
GAO/NSIAD-91-185 ..... 17 p2874 N91-25899 #
GAO/NSIAD-91-194 ..... 18 p2926 N91-26141 #
GAO/NSIAD-91-196 ..... 18 p2970 N91-26397 #
GAO/NSIAD-91-205 ..... 23 p3857 N91-31506 #
GAO/NSIAD-91-248 ..... 22 p3765 N91-30987 #
GAO/NSIAD-91-252 ..... 18 p2936 N91-26194 #
GAO/NSIAD-91-269 ..... 23 p3936 N91-31999 #

GARRETT-21-5776-2A ..... 16 p2561 N91-24205* #
GARRETT-31-8071(3) ..... 22 p3770 N91-31022* #

GARTEUR-AD(AG07)-TP048 ..... 23 p3782 N91-31084 #

GARTEUR/TP058-2 ..... 22 p3695 N91-30573 #

GC-TR-90-1728-008 ..... 12 p1865 N91-20244 #
GC-TR-91-1691 ..... 19 p3124 N91-27256 #

GDLS-DB-87-04057-001A-VOL-1 ..... 22 p3684 N91-30511 #
GDLS-DB-87-04057-001A-VOL-2 ..... 22 p3684 N91-30512 #

GDSS-HPT-89-001-VOL-1 ..... 01 p0019 N91-10111* #
GDSS-HPT-89-001-VOL-2 ..... 01 p0019 N91-10112* #

GEOMET-IE-2096 ..... 18 p3034 N91-26746 #
GEOMET-IE-2201 ..... 17 p2779 N91-25379 #

GF006-F ..... 04 p0554 N91-13073 #

GiT-91-2 ..... 13 p2164 N91-21939* #

GK-2 ..... 09 p1390 N91-17648 #

GKSS-90/E/25 ..... 15 p2386 N91-23203 #

GL-ERP-1063 ..... 04 p0490 N91-12723 #
GL-ERP-1064 ..... 09 p1367 N91-17513 #
GL-ERP-1065 ..... 19 p3200 N91-27688 #
GL-ERP-1069 ..... 09 p1365 N91-17500 #
GL-ERP-1070 ..... 09 p1365 N91-17503 #
GL-ERP-1074 ..... 12 p1923 N91-20582 #
GL-ERP-1075 ..... 15 p2465 N91-23660 #

GL-IP-340 ..... 06 p0799 N91-14413 #

GL-SR-262 ..... 19 p3264 N91-28053 #
GL-SR-263 ..... 13 p2111 N91-21624 #
GL-SR-264 ..... 18 p3011 N91-26626 #
GL-SR-265 ..... 13 p2118 N91-21659 #

GL-TR-89-0098 ..... 01 p0044 N91-10264 #
GL-TR-89-0265 ..... 19 p3226 N91-27831 #
GL-TR-89-0276 ..... 12 p1854 N91-20186 #
GL-TR-89-0286 ..... 03 p0427 N91-12394 #
GL-TR-89-0288 ..... 07 p1030 N91-15652 #
GL-TR-89-0296 ..... 06 p0818 N91-14519 #
GL-TR-89-0306 ..... 13 p2155 N91-21881 #
GL-TR-89-0324 ..... 06 p0866 N91-14785 #
GL-TR-89-0338 ..... 08 p1176 N91-16475 #
GL-TR-90-0004 ..... 04 p0549 N91-13045 #
GL-TR-90-0026 ..... 04 p0494 N91-12745 #
GL-TR-90-0038 ..... 07 p1028 N91-15644 #
GL-TR-90-0052 ..... 12 p1888 N91-20381 #
GL-TR-90-0066 ..... 02 p0227 N91-11268 #
GL-TR-90-0068 ..... 12 p1922 N91-20577 #
GL-TR-90-0080 ..... 14 p2307 N91-22749 #
GL-TR-90-0087 ..... 09 p1365 N91-17502 #
GL-TR-90-0088 ..... 12 p1924 N91-20584 #
GL-TR-90-0091 ..... 06 p0850 N91-14692 #
GL-TR-90-0103 ..... 04 p0549 N91-13046 #
GL-TR-90-0124 ..... 12 p1921 N91-20570 #
GL-TR-90-0127 ..... 03 p0417 N91-12332 #
GL-TR-90-0128 ..... 04 p0490 N91-12723 #
GL-TR-90-0129 ..... 08 p1177 N91-16482 #
GL-TR-90-0130 ..... 09 p1367 N91-17513 #
GL-TR-90-0131 ..... 08 p1229 N91-16776 #
GL-TR-90-0132 ..... 12 p1835 N91-20083 #
GL-TR-90-0135 ..... 12 p1887 N91-20375 #
GL-TR-90-0145 ..... 18 p3012 N91-26631 #
GL-TR-90-0146 ..... 06 p0849 N91-14689 #
GL-TR-90-0158 ..... 06 p0799 N91-14413 #
GL-TR-90-0165 ..... 12 p2007 N91-21048 #
GL-TR-90-0171 ..... 13 p2116 N91-21650 #
GL-TR-90-0172 ..... 06 p0847 N91-14677 #
GL-TR-90-0173 ..... 08 p1178 N91-16488 #
GL-TR-90-0174 ..... 12 p1925 N91-20592 #
GL-TR-90-0175 ..... 09 p1365 N91-17501 #
GL-TR-90-0178 ..... 19 p3200 N91-27688 #
GL-TR-90-0183 ..... 07 p1004 N91-15513 #
GL-TR-90-0187 ..... 16 p2565 N91-24219 #
GL-TR-90-0190 ..... 18 p3012 N91-26633 #
GL-TR-90-0195 ..... 12 p1923 N91-20581 #
GL-TR-90-0201 ..... 16 p2659 N91-24715 #
GL-TR-90-0206 ..... 18 p3011 N91-26627 #
GL-TR-90-0211 ..... 22 p3704 N91-30617 #
GL-TR-90-0213 ..... 19 p3264 N91-28053 #
GL-TR-90-0214 ..... 19 p3199 N91-27685 #
GL-TR-90-0215 ..... 19 p3200 N91-27690 #
GL-TR-90-0219 ..... 14 p2257 N91-22482 #
GL-TR-90-0222 ..... 14 p2267 N91-22544 #
GL-TR-90-0223 ..... 13 p2111 N91-21624 #
GL-TR-90-0224 ..... 15 p2390 N91-23228 #
GL-TR-90-0229 ..... 12 p1876 N91-20308 #
GL-TR-90-0233 ..... 13 p2118 N91-21659 #
GL-TR-90-0246 ..... 12 p1897 N91-20431 #
GL-TR-90-0248 ..... 18 p2975 N91-26424 #
GL-TR-90-0260 ..... 12 p1922 N91-20576 #
GL-TR-90-0264 ..... 12 p1976 N91-20872 #
GL-TR-90-0267 ..... 18 p3011 N91-26630 #
GL-TR-90-0269 ..... 10 p1556 N91-18555 #
GL-TR-90-0276 ..... 09 p1392 N91-17660 #
GL-TR-90-0277 ..... 08 p1210 N91-16661 #
GL-TR-90-0282 ..... 15 p2461 N91-23635 #
GL-TR-90-0286 ..... 19 p3200 N91-27689 #
GL-TR-90-0288 ..... 18 p3011 N91-26626 #
GL-TR-90-0299 ..... 14 p2286 N91-22640 #
GL-TR-90-0300 ..... 09 p1365 N91-17500 #
GL-TR-90-0301 ..... 09 p1365 N91-17503 #
GL-TR-90-0307 ..... 14 p2342 N91-22950 #
GL-TR-90-0309 ..... 15 p2464 N91-23655 #
GL-TR-90-0311 ..... 15 p2465 N91-23659 #
GL-TR-90-0313 ..... 16 p2658 N91-24706 #
GL-TR-90-0315 ..... 21 p3541 N91-29671 #

GL-TR-90-0317 ..... 18 p2935 N91-26189 #
GL-TR-90-0326 ..... 14 p2288 N91-22650 #
GL-TR-90-0328 ..... 18 p3083 N91-27048 #
GL-TR-90-0329 ..... 19 p3149 N91-27407 #
GL-TR-90-0333 ..... 12 p1923 N91-20582 #
GL-TR-90-0343 ..... 19 p3199 N91-27684 #
GL-TR-90-0349 ..... 21 p3542 N91-29677 #
GL-TR-90-0357 ..... 16 p2658 N91-24705 #
GL-TR-90-0358 ..... 15 p2465 N91-23660 #
GL-TR-90-0360 ..... 16 p2679 N91-24827 #
GL-TR-90-0361 ..... 19 p3202 N91-27700 #

GLNPO-01/90 ..... 13 p2112 N91-21629 #

GMCC-17 ..... 01 p0092 N91-10538 #

GP-3.34:85-86 ..... 01 p0135 N91-10797 #

GPO-26-232 ..... 12 p1999 N91-21006 #
GPO-27-944 ..... 11 p1815 N91-19968 #
GPO-30-598 ..... 13 p2170 N91-21977 #
GPO-34-529 ..... 11 p1815 N91-19966 #
GPO-36-688 ..... 11 p1816 N91-19974 #
GPO-36-778 ..... 11 p1815 N91-19969 #
GPO-38-022 ..... 11 p1732 N91-19528 #
GPO-39-006 ..... 04 p0607 N91-13377 #
GPO-39-010 ..... 04 p0607 N91-13376 #
GPO-49-006 ..... 19 p3263 N91-28047 #
GPO-49-010 ..... 19 p3263 N91-28048 #

GR-7670-1141(NP) ..... 22 p3725 N91-30729 #
GR-7670-1150(NP) ..... 22 p3724 N91-30728 #
GR-7670-1158(NP) ..... 22 p3724 N91-30727 #
GR-7670-1162(NP) ..... 18 p3040 N91-26783 #
GR-7670-1165(NP) ..... 22 p3724 N91-30725 #
GR-7670-1171(NP) ..... 10 p1569 N91-18628 #
GR-7670-1171(NP)-VOL-1 ..... 22 p3724 N91-30726 #

GRASP-LAB-177 ..... 15 p2490 N91-23787* #

GRI-88/0143 ..... 09 p1308 N91-17175 #
GRI-88/0360 ..... 17 p2755 N91-25251 #
GRI-89/0201 ..... 14 p2268 N91-22550 #
GRI-90/0026 ..... 01 p0024 N91-10140 #
GRI-90/0036 ..... 01 p0046 N91-10273 #
GRI-90/0038 ..... 09 p1321 N91-17252 #
GRI-90/0039 ..... 13 p2068 N91-21389 #
GRI-90/0049.1 ..... 17 p2782 N91-25394 #
GRI-90/0069 ..... 03 p0371 N91-12081 #
GRI-90/0074 ..... 15 p2409 N91-23338 #
GRI-90/0089 ..... 15 p2408 N91-23332 #
GRI-90/0092 ..... 01 p0021 N91-10123 #
GRI-90/0102 ..... 15 p2520 N91-23964 #
GRI-90/0115-PHASE-1 ..... 09 p1308 N91-17176 #
GRI-90/0121 ..... 05 p0633 N91-13507 #
GRI-90/0134 ..... 02 p0209 N91-11170 #
GRI-90/0135 ..... 01 p0040 N91-10235 #
GRI-90/0136 ..... 01 p0063 N91-10381 #
GRI-90/0142 ..... 09 p1327 N91-17286 #
GRI-90/0154 ..... 09 p1309 N91-17182 #
GRI-90/0158 ..... 21 p3528 N91-29601 #
GRI-90/0162 ..... 09 p1318 N91-17236 #
GRI-90/0181 ..... 04 p0578 N91-13220 #
GRI-90/0183 ..... 09 p1307 N91-17172 #
GRI-90/0188 ..... 09 p1307 N91-17173 #
GRI-90/0205 ..... 24 p3970 N91-32178 #
GRI-90/0209.1 ..... 13 p2047 N91-21262 #
GRI-90/0227 ..... 16 p2597 N91-24392 #
GRI-90/0234 ..... 16 p2651 N91-24674 #
GRI-90/0242 ..... 17 p2758 N91-25266 #
GRI-90/0243 ..... 19 p3177 N91-27566 #
GRI-90/0244 ..... 17 p2758 N91-25265 #
GRI-90/0249 ..... 09 p1345 N91-17389 #
GRI-90/0250 ..... 15 p2397 N91-23272 #
GRI-90/0262 ..... 11 p1681 N91-19264 #
GRI-90/0263 ..... 17 p2756 N91-25253 #
GRI-90/0272 ..... 17 p2779 N91-25379 #
GRI-90/0276 ..... 16 p2654 N91-24682 #
GRI-90/0281 ..... 22 p3752 N91-30917 #
GRI-90/0297 ..... 17 p2806 N91-25511 #
GRI-90/0305 ..... 12 p1921 N91-20566 #
GRI-90/0319 ..... 19 p3162 N91-27483 #
GRI-90/0339 ..... 18 p2993 N91-26529 #
GRI-90/0345 ..... 19 p3177 N91-27564 #
GRI-91/0001 ..... 18 p2993 N91-26530 #
GRI-91/0021 ..... 19 p3166 N91-27505 #
GRI-91/0041 ..... 23 p3879 N91-31645 #
GRI-91/0050 ..... 24 p3972 N91-32191 #
GRI-91/0073 ..... 24 p3972 N91-32190 #
GRI-91/0088 ..... 22 p3648 N91-30302 #
GRI-91/0089 ..... 22 p3648 N91-30303 #
GRI-91/0090 ..... 22 p3648 N91-30304 #
GRI-91/0091 ..... 19 p3128 N91-27282 #
GRI-91/0096 ..... 19 p3177 N91-27563 #
GRI-91/0097 ..... 22 p3668 N91-30424 #
GRI-91/0138 ..... 24 p4044 N91-32594 #

GRI-91/0139 ..... 24 p4039 N91-32570 #

GSF-BER-21/90 ..... 15 p2524 N91-23990 #

GSO-TR-90-3 ..... 06 p0851 N91-14699 #

GTD-90-7 ..... 12 p1982 N91-20907 #

GTFR-93 ..... 09 p1401 N91-17712 #
GTFR-95 ..... 19 p3250 N91-27975 #

GTRI/AIB/TR-901221 ..... 14 p2317 N91-22799 #

H-REPT-101-763 ..... 04 p0607 N91-13377 #
H-REPT-102-41 ..... 19 p3263 N91-28047 #

H-86-04 ..... 01 p0014 N91-10085* #
H-1431 ..... 21 p3457 N91-29177* #
H-1489 ..... 16 p2562 N91-24210* #
H-1531 ..... 16 p2629 N91-24556* #
H-1543 ..... 18 p2921 N91-26113* #
H-1547 ..... 16 p2549 N91-24128* #
H-1549 ..... 01 p0056 N91-10328* #
H-1554 ..... 07 p0945 N91-15182* #
H-1563 ..... 01 p0013 N91-10079* #
H-1565 ..... 16 p2628 N91-24555* #
H-1576 ..... 12 p1830 N91-20055* #
H-1582-REV ..... 13 p2105 N91-21587* #
H-1584 ..... 06 p0785 N91-14353* #
H-1602 ..... 13 p2078 N91-21446* #
H-1609 ..... 18 p2925 N91-26140* #
H-1616 ..... 17 p2736 N91-25147* #
H-1622 ..... 12 p1833 N91-20071* #
H-1629 ..... 22 p3623 N91-30154* #
H-1633 ..... 11 p1641 N91-19051* #
H-1639 ..... 11 p1650 N91-19099* #
H-1642 ..... 11 p1778 N91-19742* #
H-1643 ..... 11 p1647 N91-19079* #
H-1660 ..... 11 p1646 N91-19077* #
H-1661 ..... 09 p1353 N91-17433* #
H-1664 ..... 11 p1647 N91-19080* #
H-1673 ..... 05 p0624 N91-13460* #
H-1674 ..... 05 p0623 N91-13453* #
H-1677-PT-1 ..... 16 p2559 N91-24193* #
H-1679 ..... 12 p1835 N91-20085* #
H-1680 ..... 11 p1647 N91-19081* #
H-1686 ..... 11 p1642 N91-19055* #
H-1687 ..... 15 p2373 N91-23133* #
H-1688 ..... 14 p2193 N91-22111* #
H-1690 ..... 09 p1284 N91-17060* #
H-1691 ..... 11 p1650 N91-19095* #
H-1693 ..... 14 p2193 N91-22116* #
H-1694 ..... 17 p2787 N91-25422* #
H-1695 ..... 13 p2024 N91-21135* #
H-1699 ..... 14 p2194 N91-22117* #
H-1700-PT-2 ..... 16 p2559 N91-24194* #
H-1705 ..... 14 p2188 N91-22083* #
H-1706 ..... 23 p3916 N91-31874* #
H-1707 ..... 11 p1647 N91-19083* #
H-1714 ..... 22 p3693 N91-30563* #
H-1715 ..... 14 p2196 N91-22131* #
H-1724 ..... 19 p3181 N91-27592* #
H-1727 ..... 24 p4090 N91-32850* #
H-1728 ..... 22 p3618 N91-30128* #
H-1731 ..... 22 p3622 N91-30153* #
H-1737 ..... 22 p3618 N91-30130* #
H-1738 ..... 23 p3851 N91-31470* #
H-1741 ..... 21 p3461 N91-29194* #
H-1745 ..... 24 p3962 N91-32140* #
H-1747 ..... 21 p3460 N91-29191* #
H-1750 ..... 22 p3619 N91-30132* #
H-1761 ..... 24 p4090 N91-32851* #

HAC-REF-G0657 ..... 14 p2331 N91-22881 #
HAC-REF-G1079-F ..... 16 p2689 N91-24884 #
HAC-REF-G3338-1 ..... 08 p1128 N91-16205 #
HAC-REF-G3658 ..... 15 p2509 N91-23903 #
HAC-REF-G4385 ..... 16 p2691 N91-24899 #

HCI-87-01 ..... 06 p0855 N91-14721 #

HCSCIA-CR91-001 ..... 18 p3032 N91-26736 #

HDL-CR-90-056-1 ..... 12 p1893 N91-20407 #

HDL-PR-91-1 ..... 21 p3604 N91-30052 #

HDL-SR-91-1 ..... 21 p3555 N91-29752 #
HDL-SR-91-3 ..... 19 p3159 N91-27462 #
HDL-SR-91-5 ..... 24 p4081 N91-32796 #

HDL-TM-90-13 ..... 06 p0836 N91-14620 #
HDL-TM-90-20 ..... 13 p2163 N91-21933 #
HDL-TM-90-21 ..... 13 p2153 N91-21869 #
HDL-TM-90-23 ..... 13 p2070 N91-21400 #
HDL-TM-91-1 ..... 19 p3255 N91-28007 #

HDL-TM-91-3 ..... 18 p2979 N91-26447 #
HDL-TM-91-11 ..... 23 p3799 N91-31193 #

HDL-TR-2168 ..... 03 p0358 N91-12003 #
HDL-TR-2178 ..... 03 p0357 N91-11998 #
HDL-TR-2184 ..... 03 p0416 N91-12325 #
HDL-TR-2185 ..... 05 p0726 N91-14053* #
HDL-TR-2195 ..... 21 p3507 N91-29471 #
HDL-TR-2196 ..... 18 p2991 N91-26514 #

HEI/RR-89/28 ..... 02 p0243 N91-11357 #

HEL-TM-4-91 ..... 18 p3033 N91-26743 #
HEL-TM-5-91 ..... 18 p3077 N91-27008 #
HEL-TM-6-91 ..... 18 p3077 N91-27007 #
HEL-TM-7-91 ..... 19 p3213 N91-27762 #
HEL-TM-9-91 ..... 19 p3213 N91-27760 #
HEL-TM-10-91 ..... 19 p3150 N91-27411 #

HEL-TN-6-90 ..... 05 p0695 N91-13870 #

HIFAN-482 ..... 24 p4100 N91-32909 #
HIFAN-499 ..... 20 p3336 N91-28476 #

HIG-RAM-3 ..... 19 p3171 N91-27533 #

HL88-1003-1 ..... 01 p0028 N91-10169

HMRL-R-73-6 ..... 16 p2630 N91-24562 #

HNEI-90-1026 ..... 09 p1355 N91-17441 #

HQ91-015 ..... 17 p2829 N91-25625* #

HSD-TP-90-026 ..... 03 p0390 N91-12173 #

HSD-TR-90-25 ..... 04 p0546 N91-13029 #
HSD-TR-90-021 ..... 03 p0381 N91-12125 #

HS256C-1045-0061-APP ..... 17 p2813 N91-25548* #
HS256C-1045-0061-VOL-1-BK-1 ..... 14 p2267 N91-22542* #
HS256C-1045-0061-VOL-1-BK-2 ..... 14 p2267 N91-22541* #

HUGHES/EDSG-R160153 ..... 13 p2075 N91-21430* #

HUMRRO-FR-PRD-88-27 ..... 12 p1930 N91-20623 #

IAE-0061 ..... 09 p1317 N91-17231 #
IAE-4810-11 ..... 13 p2160 N91-21909 #

IAEA-CN-53/A-1-2 ..... 13 p2158 N91-21897 #
IAEA-CN-53/A-3-1 ..... 12 p1984 N91-20918 #
IAEA-CN-53/A-3-4 ..... 13 p2156 N91-21885 #
IAEA-CN-53/A-4-1 ..... 13 p2156 N91-21883 #
IAEA-CN-53/A-5-3 ..... 13 p2156 N91-21884 #
IAEA-CN-53/A-6-3 ..... 13 p2156 N91-21882 #
IAEA-CN-53/B-1-1 ..... 04 p0585 N91-13266 #
IAEA-CN-53/B-2-3 ..... 09 p1407 N91-17744 #
IAEA-CN-53/C-2-2(1) ..... 01 p0125 N91-10739 #
IAEA-CN-53/C-2-2-(2) ..... 02 p0273 N91-11535 #
IAEA-CN-53/C-4-4 ..... 01 p0125 N91-10740 #
IAEA-CN-53/C-4-7 ..... 02 p0273 N91-11536 #
IAEA-CN-53/D-4-7 ..... 11 p1804 N91-19908 #
IAEA-CN-53/D-4-13 ..... 06 p0877 N91-14849 #
IAEA-CN-53/E-1-2 ..... 12 p1984 N91-20919 #
IAEA-CN-53/E-2-1-1 ..... 13 p2156 N91-21886 #
IAEA-CN-53/E-3-11 ..... 04 p0584 N91-13261 #
IAEA-CN-53/G-1-3 ..... 12 p1985 N91-20920 #

IAF-90-290 ..... 08 p1103 N91-16057* #

IAITIC-87-1001 ..... 15 p2410 N91-23345 #
IAITIC-87-1002-REV ..... 15 p2493 N91-23804 #
IAITIC-87-1003 ..... 15 p2409 N91-23337 #
IAITIC-87-1004 ..... 15 p2369 N91-23107 #
IAITIC-87-1005 ..... 15 p2392 N91-23238 #
IAITIC-87-1006 ..... 15 p2384 N91-23194 #
IAITIC-87-1007 ..... 15 p2441 N91-23522 #

IAR-AN-66 ..... 05 p0615 N91-13409 #
IAR-AN-67 ..... 21 p3460 N91-29190 #

IAR-89-11 ..... 07 p1020 N91-15602 #
IAR-89-15 ..... 14 p2354 N91-23020 #

IAT-ADS-BC-1 ..... 06 p0779 N91-14320 #

IB-333-90/10 ..... 14 p2332 N91-22883 #

IBM-RR-RJ7794 ..... 13 p2162 N91-21926 #
IBM-RR-RJ7874 ..... 13 p2057 N91-21322 #

IC-AERO-89-02 ..... 05 p0661 N91-13672 #
IC-AERO-89-03 ..... 24 p4012 N91-32425 #

IC-89/144 ..... 01 p0124 N91-10731 #
IC-89/277 ..... 01 p0117 N91-10693 #
IC-89/340 ..... 09 p1331 N91-17309 #
IC-90/9 ..... 01 p0113 N91-10656 #
IC-90/12 ..... 06 p0867 N91-14790 #
IC-90/20 ..... 01 p0113 N91-10657 #
IC-90/25 ..... 07 p1056 N91-15804 #
IC-90/147 ..... 20 p3429 N91-29019 #
IC-90/163 ..... 21 p3564 N91-29813 #
IC-90/201 ..... 23 p3883 N91-31666 #
IC-90/211 ..... 20 p3393 N91-28803 #
IC-90/227 ..... 21 p3591 N91-29976 #
IC-90/231 ..... 20 p3428 N91-29017 #
IC-90/233 ..... 20 p3326 N91-28416 #
IC-90/234 ..... 20 p3435 N91-29056 #
IC-90/238 ..... 20 p3375 N91-28698 #
IC-90/244 ..... 20 p3393 N91-28801 #
IC-90/245 ..... 20 p3435 N91-29057 #
IC-90/247 ..... 20 p3393 N91-28802 #
IC-90/253 ..... 20 p3393 N91-28804 #
IC-90/255 ..... 22 p3743 N91-30858 #
IC-90/261 ..... 20 p3429 N91-29018 #
IC-90/262 ..... 21 p3571 N91-29855 #
IC-90/266 ..... 21 p3591 N91-29977 #
IC-90/279 ..... 16 p2607 N91-24448 #
IC-90/281 ..... 16 p2696 N91-24926 #
IC-90/284 ..... 16 p2696 N91-24928 #
IC-90/290 ..... 16 p2684 N91-24859 #
IC-90/291 ..... 16 p2626 N91-24540 #

ICAS-90-6.7.2 ..... 08 p1092 N91-15997 #
ICAS-90-6.9.4 ..... 03 p0300 N91-11673* #

ICASE-IR-13 ..... 01 p0103 N91-10599* #
ICASE-IR-14 ..... 01 p0114 N91-10664* #
ICASE-IR-15 ..... 11 p1701 N91-19366* #
ICASE-IR-17-REV-1 ..... 17 p2832 N91-25644* #
ICASE-IR-18 ..... 22 p3676 N91-30467* #
ICASE-IR-91-3 ..... 18 p3038 N91-26767* #
ICASE-IR-91-19 ..... 17 p2842 N91-25704* #
ICASE-IR-91-45 ..... 19 p3232 N91-27869* #
ICASE-IR-91-47 ..... 19 p3235 N91-27888* #
ICASE-IR-91-51 ..... 19 p3165 N91-27501* #
ICASE-IR-91-54 ..... 22 p3611 N91-30089* #
ICASE-IR-91-65 ..... 22 p3676 N91-30466* #
ICASE-IR-91-66 ..... 22 p3611 N91-30088* #

ICASE-16 ..... 13 p2025 N91-21139* #
ICASE-90-59 ..... 01 p0104 N91-10600* #
ICASE-90-60 ..... 02 p0257 N91-11430* #
ICASE-90-61 ..... 01 p0002 N91-10010* #
ICASE-90-62 ..... 01 p0002 N91-10009* #
ICASE-90-63 ..... 02 p0252 N91-11397* #
ICASE-90-64 ..... 01 p0108 N91-10628* #
ICASE-90-65 ..... 05 p0706 N91-13935* #
ICASE-90-66 ..... 01 p0040 N91-10237* #
ICASE-90-67 ..... 01 p0108 N91-10629* #
ICASE-90-68 ..... 05 p0711 N91-13966* #
ICASE-90-69 ..... 03 p0399 N91-12217* #
ICASE-90-70 ..... 03 p0399 N91-12216* #
ICASE-90-71 ..... 01 p0004 N91-10021* #
ICASE-90-72 ..... 01 p0004 N91-10022* #
ICASE-90-73 ..... 03 p0363 N91-12033* #
ICASE-90-74 ..... 01 p0043 N91-10251* #
ICASE-90-75 ..... 01 p0042 N91-10250* #
ICASE-90-76 ..... 05 p0657 N91-13650* #
ICASE-90-77 ..... 05 p0657 N91-13649* #
ICASE-90-78 ..... 05 p0656 N91-13642* #
ICASE-90-79 ..... 05 p0709 N91-13952* #
ICASE-90-80 ..... 05 p0615 N91-13410* #
ICASE-90-81 ..... 06 p0777 N91-14307* #
ICASE-90-82 ..... 05 p0660 N91-13669* #
ICASE-90-83 ..... 08 p1211 N91-16664* #
ICASE-90-84 ..... 06 p0777 N91-14308* #
ICASE-90-85 ..... 08 p1092 N91-15994* #
ICASE-90-86 ..... 08 p1091 N91-15991* #
ICASE-90-87 ..... 08 p1145 N91-16305* #
ICASE-90-88 ..... 08 p1146 N91-16306* #
ICASE-90-89 ..... 08 p1092 N91-15996* #
ICASE-90-90 ..... 08 p1092 N91-15995* #
ICASE-91-1 ..... 09 p1286 N91-17069* #
ICASE-91-2 ..... 09 p1392 N91-17658* #
ICASE-91-4 ..... 11 p1772 N91-19715* #
ICASE-91-5 ..... 11 p1772 N91-19716* #
ICASE-91-6 ..... 10 p1462 N91-18062* #
ICASE-91-7 ..... 10 p1567 N91-18613* #
ICASE-91-8 ..... 09 p1392 N91-17659* #
ICASE-91-9 ..... 10 p1524 N91-18390* #
ICASE-91-10 ..... 10 p1462 N91-18063* #
ICASE-91-11 ..... 11 p1640 N91-19043* #
ICASE-91-12 ..... 13 p2130 N91-21724* #
ICASE-91-13 ..... 10 p1566 N91-18610* #
ICASE-91-14 ..... 10 p1586 N91-18740* #
ICASE-91-15 ..... 13 p2143 N91-21796* #
ICASE-91-16 ..... 10 p1525 N91-18397* #
ICASE-91-17 ..... 13 p2079 N91-21453* #
ICASE-91-18 ..... 11 p1697 N91-19345* #

ICASE-91-20 ..... 13 p2080 N91-21457* #
ICASE-91-21 ..... 13 p2079 N91-21455* #
ICASE-91-22 ..... 13 p2079 N91-21454* #
ICASE-91-23 ..... 13 p2079 N91-21451* #
ICASE-91-24 ..... 12 p1846 N91-20146* #
ICASE-91-25 ..... 12 p1831 N91-20063* #
ICASE-91-26 ..... 13 p2080 N91-21456* #
ICASE-91-27 ..... 23 p3919 N91-31889* #
ICASE-91-28 ..... 12 p1899 N91-20446* #
ICASE-91-29 ..... 12 p1831 N91-20061* #
ICASE-91-30 ..... 13 p2017 N91-21099* #
ICASE-91-31 ..... 13 p2143 N91-21801* #
ICASE-91-32 ..... 16 p2677 N91-24819* #
ICASE-91-33 ..... 13 p2143 N91-21800* #
ICASE-91-34 ..... 15 p2425 N91-23434* #
ICASE-91-35 ..... 14 p2266 N91-22537* #
ICASE-91-36 ..... 23 p3919 N91-31888* #
ICASE-91-37 ..... 15 p2425 N91-23433* #
ICASE-91-38 ..... 16 p2549 N91-24126* #
ICASE-91-39 ..... 16 p2549 N91-24127* #
ICASE-91-40 ..... 16 p2549 N91-24125* #
ICASE-91-41 ..... 17 p2728 N91-25105* #
ICASE-91-42 ..... 16 p2627 N91-24546* #
ICASE-91-43 ..... 16 p2679 N91-24833* #
ICASE-91-46 ..... 22 p3722 N91-30712* #
ICASE-91-48 ..... 19 p3235 N91-27887* #
ICASE-91-49 ..... 19 p3163 N91-27490* #
ICASE-91-50 ..... 19 p3099 N91-27121* #
ICASE-91-52 ..... 20 p3393 N91-28806* #
ICASE-91-55 ..... 22 p3728 N91-30750* #
ICASE-91-56 ..... 22 p3613 N91-30096* #
ICASE-91-57 ..... 22 p3612 N91-30093* #
ICASE-91-58 ..... 22 p3676 N91-30465* #
ICASE-91-59 ..... 22 p3728 N91-30749* #
ICASE-91-60 ..... 22 p3624 N91-30162* #
ICASE-91-61 ..... 22 p3677 N91-30475* #
ICASE-91-62 ..... 22 p3744 N91-30866* #
ICASE-91-63 ..... 22 p3612 N91-30094* #
ICASE-91-64 ..... 22 p3613 N91-30097* #
ICASE-91-67 ..... 23 p3868 N91-31576* #
ICASE-91-75 ..... 24 p4018 N91-32463* #

ICMA-91-157-PT-2 ..... 18 p3050 N91-26842 #
ICMA-91-158 ..... 18 p3050 N91-26838 #
ICMA-91-162 ..... 19 p3237 N91-27900 #
ICMA-91-163 ..... 21 p3565 N91-29817 #

ICOMP-90-08 ..... 16 p2549 N91-24124* #
ICOMP-90-22 ..... 06 p0825 N91-14559* #
ICOMP-90-23 ..... 02 p0213 N91-11192* #
ICOMP-90-24 ..... 06 p0865 N91-14781* #
ICOMP-90-25 ..... 11 p1702 N91-19372* #
ICOMP-91-8 ..... 17 p2747 N91-25198* #
ICOMP-91-01 ..... 16 p2677 N91-24818* #
ICOMP-91-02 ..... 11 p1784 N91-19786* #
ICOMP-91-03 ..... 16 p2677 N91-24817* #
ICOMP-91-04 ..... 11 p1702 N91-19375* #
ICOMP-91-05 ..... 14 p2266 N91-22536* #
ICOMP-91-06 ..... 15 p2422 N91-23416* #
ICOMP-91-07 ..... 14 p2264 N91-22524* #
ICOMP-91-09 ..... 16 p2623 N91-24525* #
ICOMP-91-10 ..... 16 p2626 N91-24541* #
ICOMP-91-11 ..... 16 p2648 N91-24659* #
ICOMP-91-12 ..... 19 p3181 N91-27591* #
ICOMP-91-13 ..... 22 p3744 N91-30865* #
ICOMP-91-14 ..... 23 p3922 N91-31911* #
ICOMP-91-15 ..... 23 p3871 N91-31597* #
ICOMP-91-16 ..... 24 p4017 N91-32460* #

ICS-88-15 ..... 06 p0867 N91-14797 #

ICW-1942 ..... 08 p1168 N91-16427 #

IDA-D-487-PT-1 ..... 03 p0390 N91-12171 #
IDA-D-626-PT-2 ..... 12 p1923 N91-20580 #
IDA-D-675 ..... 19 p3111 N91-27192 #
IDA-D-745 ..... 09 p1422 N91-17831 #
IDA-D-764 ..... 04 p0463 N91-12587 #
IDA-D-898 ..... 18 p3039 N91-26773 #
IDA-D-972 ..... 23 p3915 N91-31862 #

IDA-P-2361 ..... 12 p1993 N91-20971 #
IDA-P-2378 ..... 18 p3038 N91-26770 #
IDA-P-2379 ..... 09 p1371 N91-17535 #
IDA-P-2385 ..... 04 p0463 N91-12588 #
IDA-P-2388 ..... 09 p1380 N91-17587 #
IDA-P-2395 ..... 14 p2233 N91-22356 #
IDA-P-2401 ..... 15 p2363 N91-23077 #
IDA-P-2409 ..... 15 p2526 N91-24000 #
IDA-P-2432 ..... 21 p3538 N91-29660 #
IDA-P-2447 ..... 13 p2163 N91-21931 #
IDA-P-2452 ..... 14 p2256 N91-22479 #
IDA-P-2462 ..... 15 p2363 N91-23076 #
IDA-P-2488 ..... 21 p3555 N91-29754 #
IDA-P-2498 ..... 21 p3504 N91-29449 #
IDA-P-2516-VOL-1 ..... 19 p3259 N91-28024 #
IDA-P-2516-VOL-2 ..... 19 p3145 N91-27383 #

IDA/HQ-88-33544-PT-1 ..... 03 p0390 N91-12171 #
IDA/HQ-89-34632 ..... 12 p1923 N91-20580 #
IDA/HQ-89-34916 ..... 19 p3111 N91-27192 #
IDA/HQ-90-35201 ..... 09 p1371 N91-17535 #
IDA/HQ-90-35400 ..... 04 p0463 N91-12588 #
IDA/HQ-90-35426 ..... 04 p0463 N91-12587 #
IDA/HQ-90-35427 ..... 09 p1380 N91-17587 #
IDA/HQ-90-35501 ..... 14 p2233 N91-22356 #
IDA/HQ-90-35536 ..... 15 p2363 N91-23077 #
IDA/HQ-90-35599 ..... 15 p2526 N91-24000 #
IDA/HQ-90-35646 ..... 12 p1993 N91-20971 #
IDA/HQ-90-35736 ..... 21 p3538 N91-29660 #
IDA/HQ-90-35764 ..... 13 p2163 N91-21931 #
IDA/HQ-90-35776 ..... 14 p2256 N91-22479 #
IDA/HQ-90-35834 ..... 15 p2363 N91-23076 #
IDA/HQ-90-36322 ..... 21 p3504 N91-29449 #
IDA/HQ-90-36607 ..... 19 p3259 N91-28024 #
IDA/HQ-90-36608 ..... 19 p3145 N91-27383 #
IDA/HQ-90-36708 ..... 18 p3039 N91-26773 #
IDA/HQ-90-035362 ..... 18 p3038 N91-26770 #
IDA/HQ-91-37919 ..... 21 p3555 N91-29754 #
IDA/HQ-91-038002 ..... 23 p3915 N91-31862 #

IEE-SR-216 ..... 19 p3186 N91-27619 #
IEE-SR-218 ..... 19 p3186 N91-27620 #

IEEE-90CH2711-0 ..... 06 p0818 N91-14521 #

IFIN-FT-346-1989 ..... 01 p0133 N91-10787 #
IFIN-FT-357-1989 ..... 01 p0133 N91-10788 #

IFSI-89-16 ..... 02 p0187 N91-11047 #
IFSI-89-17 ..... 06 p0815 N91-14502 #
IFSI-89-18 ..... 06 p0858 N91-14735 #
IFSI-89-19 ..... 01 p0142 N91-10837 #
IFSI-89-20 ..... 02 p0276 N91-11550 #
IFSI-89-21 ..... 05 p0733 N91-14094 #
IFSI-89-22 ..... 05 p0669 N91-13717 #
IFSI-90-1 ..... 03 p0439 N91-12454 #
IFSI-90-2 ..... 05 p0651 N91-13615 #
IFSI-90-3 ..... 05 p0651 N91-13616 #
IFSI-90-4 ..... 01 p0142 N91-10838 #
IFSI-90-5 ..... 02 p0295 N91-11653 #
IFSI-90-6 ..... 02 p0295 N91-11654 #
IFSI-90-7 ..... 04 p0609 N91-13389 #
IFSI-90-8 ..... 02 p0276 N91-11551 #
IFSI-90-9 ..... 01 p0139 N91-10819 #
IFSI-90-10 ..... 02 p0239 N91-11333 #
IFSI-90-11 ..... 04 p0488 N91-12714 #
IFSI-90-12 ..... 04 p0611 N91-13398 #
IFSI-90-14 ..... 01 p0139 N91-10820 #
IFSI-90-15 ..... 01 p0141 N91-10833 #
IFSI-90-16 ..... 01 p0035 N91-10209 #
IFSI-90-17 ..... 04 p0610 N91-13390 #
IFSI-90-18 ..... 01 p0141 N91-10834 #
IFSI-90-19 ..... 02 p0269 N91-11508 #
IFSI-90-20 ..... 02 p0204 N91-11143 #

IFSR-424 ..... 08 p1225 N91-16748 #
IFSR-435 ..... 11 p1784 N91-19787 #
IFSR-443 ..... 01 p0126 N91-10744 #
IFSR-444 ..... 01 p0126 N91-10743 #
IFSR-445 ..... 01 p0126 N91-10745 #
IFSR-446 ..... 01 p0141 N91-10831 #
IFSR-447 ..... 02 p0274 N91-11540 #
IFSR-450 ..... 02 p0294 N91-11651 #
IFSR-451 ..... 04 p0583 N91-13254 #
IFSR-452 ..... 02 p0291 N91-11634 #
IFSR-455 ..... 02 p0275 N91-11548 #
IFSR-456 ..... 09 p1394 N91-17668 #
IFSR-462 ..... 07 p1069 N91-15879 #
IFSR-469 ..... 11 p1802 N91-19897 #
IFSR-472 ..... 11 p1804 N91-19909 #
IFSR-474 ..... 17 p2869 N91-25870 #
IFSR-480-REV ..... 20 p3422 N91-28982 #
IFSR-483 ..... 17 p2870 N91-25873 #
IFSR-484 ..... 20 p3419 N91-28963 #
IFSR-489 ..... 21 p3577 N91-29896 #
IFSR-490 ..... 20 p3421 N91-28974 #
IFSR-492 ..... 24 p4018 N91-32464 #
IFSR-494 ..... 20 p3420 N91-28964 #
IFSR-495 ..... 20 p3420 N91-28965 #
IFSR-496 ..... 20 p3421 N91-28972 #
IFSR-500 ..... 21 p3589 N91-29965 #
IFSR-502 ..... 24 p4106 N91-32945 #
IFSR-504 ..... 21 p3580 N91-29913 #
IFSR-508 ..... 24 p4106 N91-32946 #

IFT-P-10/89 ..... 03 p0410 N91-12289 #
IFT-P-29/89 ..... 01 p0133 N91-10786 #

IFUSP-P-851 ..... 12 p1889 N91-20389 #

IGC-107 ..... 16 p2602 N91-24421 #

IGC-113 ..... 16 p2621 N91-24517 #
IGC-117 ..... 16 p2633 N91-24575 #

IIT-5-54718-1 ..... 18 p2954 N91-26303 #

IITRI-E06628-1 ..... 13 p2073 N91-21419 #

ILA-87-A-02 ..... 02 p0181 N91-11018 #

ILR-MITT-235(1990) ..... 03 p0312 N91-11747 #
ILR-MITT-236(1990) ..... 03 p0374 N91-12093 #
ILR-MITT-237(1990) ..... 07 p0937 N91-15137 #
ILR-MITT-239(1990) ..... 03 p0382 N91-12131 #
ILR-MITT-240(1990) ..... 11 p1655 N91-19120 #
ILR-MITT-241(1990) ..... 07 p1010 N91-15549 #
ILR-MITT-245(1990) ..... 11 p1653 N91-19114 #
ILR-MITT-247(1990) ..... 11 p1656 N91-19121 #
ILR-MITT-249(1990) ..... 11 p1664 N91-19170 #
ILR-MITT-250(1990) ..... 22 p3775 N91-31058 #
ILR-MITT-251(1990) ..... 22 p3770 N91-31021 #
ILR-MITT-252(1990) ..... 23 p3800 N91-31197 #
ILR-MITT-253(1991) ..... 22 p3700 N91-30600 #
ILR-MITT-254(1991) ..... 22 p3645 N91-30289 #
ILR-MITT-255(1991) ..... 22 p3695 N91-30570 #

IMFL-90/03 ..... 23 p3873 N91-31604 #

INDC(JPN)-133/L ..... 17 p2861 N91-25820 #
INDC(JPN)-134/L ..... 17 p2861 N91-25822 #
INDC(JPN)-135/L ..... 17 p2861 N91-25821 #
INDC(JPN)-136/L ..... 17 p2887 N91-25961 #

INEL/MISC-91055 ..... 20 p3353 N91-28575 #

INFORME-I-520/90 ..... 24 p3970 N91-32175 #
INFORME-I-536/90 ..... 24 p3978 N91-32223 #

INIS-BR-2121 ..... 02 p0271 N91-11524 #

INIS-MF-12629 ..... 03 p0419 N91-12345 #
INIS-MF-12679 ..... 02 p0269 N91-11507 #

INO-SP-3 ..... 22 p3765 N91-30990 #

INO-SR-1 ..... 22 p3712 N91-30658 #

INO-TN-FY90-2 ..... 22 p3712 N91-30658 #

INP-1458/PL ..... 13 p2157 N91-21890 #
INP-1475/PH ..... 13 p2150 N91-21845 #
INP-1477/PH ..... 13 p2143 N91-21798 #
INP-1482/PH ..... 13 p2164 N91-21935 #

INPE-3424-PRE/687 ..... 22 p3777 N91-31066 #
INPE-4151-TDL/268 ..... 03 p0383 N91-12134 #
INPE-4536-PRE/1283 ..... 03 p0358 N91-12006 #
INPE-4540-PRE/1286 ..... 05 p0646 N91-13586 #
INPE-4557-PRE/1298 ..... 05 p0646 N91-13587 #
INPE-4558-PRE/1299 ..... 05 p0730 N91-14077 #
INPE-4576-RPE/568 ..... 02 p0269 N91-11510 #
INPE-4606-PRE/1329 ..... 05 p0731 N91-14086 #
INPE-4608-PRE/1331 ..... 03 p0384 N91-12142 #
INPE-4612-PRE/1335 ..... 05 p0730 N91-14078 #
INPE-4740-PRE/1415 ..... 13 p2117 N91-21652 #
INPE-4742-PRE/1416 ..... 22 p3697 N91-30585 #
INPE-4808-PRE/1454 ..... 04 p0549 N91-13044 #
INPE-4809-RPE/589 ..... 04 p0539 N91-12989 #
INPE-4828-PRE/1459 ..... 22 p3696 N91-30580 #
INPE-4863-TDL/374 ..... 02 p0228 N91-11277 #
INPE-5004-TDL/398 ..... 05 p0688 N91-13825 #
INPE-5012-TDL/400 ..... 02 p0256 N91-11422 #
INPE-5014-TDL/401 ..... 02 p0256 N91-11423 #
INPE-5020-RPE/614 ..... 22 p3696 N91-30578 #
INPE-5022-TDL/402 ..... 02 p0239 N91-11332 #
INPE-5033-RPE/618 ..... 03 p0384 N91-12141 #
INPE-5034-RPE/619 ..... 02 p0229 N91-11279 #
INPE-5035-TDL/403 ..... 02 p0229 N91-11278 #
INPE-5036-PRE/1571 ..... 03 p0399 N91-12214 #
INPE-5037-RPE/620 ..... 02 p0187 N91-11048 #
INPE-5039-PRE/1572 ..... 02 p0255 N91-11415 #
INPE-5040-PRE/1573 ..... 03 p0398 N91-12212 #
INPE-5041-TDL/404 ..... 02 p0228 N91-11275 #
INPE-5042-PRE/1575 ..... 05 p0700 N91-13898 #
INPE-5044-PRE/1574 ..... 03 p0389 N91-12167 #
INPE-5055-PRE/1588 ..... 03 p0389 N91-12166 #
INPE-5059-TDL/405 ..... 02 p0295 N91-11652 #
INPE-5064-PRE/1590 ..... 03 p0400 N91-12222 #
INPE-5067-TDL/406 ..... 02 p0255 N91-11421 #
INPE-5068-TDL/407 ..... 04 p0539 N91-12988 #
INPE-5069-TDL/408 ..... 03 p0400 N91-12221 #
INPE-5070-TDL/409 ..... 04 p0545 N91-13022 #
INPE-5071-TDL/410 ..... 04 p0539 N91-12990 #
INPE-5073-PRE/1592 ..... 04 p0547 N91-13031 #
INPE-5074-PRE/1593 ..... 03 p0383 N91-12137 #
INPE-5075-PRE/1594 ..... 13 p2111 N91-21620 #
INPE-5077-TDL/341 ..... 02 p0255 N91-11418 #
INPE-5078-TDL/412 ..... 02 p0255 N91-11419 #
INPE-5079-TDL/413 ..... 05 p0634 N91-13511 #
INPE-5080-TDL/414 ..... 03 p0355 N91-11987 #
INPE-5081-TDL/415 ..... 03 p0428 N91-12399 #
INPE-5082-TDL/416 ..... 03 p0428 N91-12398 #
INPE-5083-TDL/417 ..... 02 p0241 N91-11343 #
INPE-5085-NTE/293 ..... 03 p0399 N91-12218 #
INPE-5086-NTE/294 ..... 02 p0255 N91-11417 #
INPE-5087-PRE/1595 ..... 03 p0384 N91-12138 #
INPE-5088-MD/043-VOL-2 ..... 03 p0399 N91-12219 #
INPE-5090-MD/44 ..... 13 p2150 N91-21847 #
INPE-5091-RPE/624 ..... 02 p0250 N91-11388 #
INPE-5092-PRE/1597 ..... 03 p0398 N91-12213 #
INPE-5095-RPE/625 ..... 03 p0387 N91-12158 #
INPE-5104-TDL/418 ..... 03 p0349 N91-11946 #
INPE-5115-RPE/626 ..... 03 p0384 N91-12139 #
INPE-5117-TDL/419 ..... 05 p0681 N91-13784 #
INPE-5118-TDL/420 ..... 14 p2304 N91-22732 #
INPE-5119-TDL/421 ..... 05 p0680 N91-13783 #
INPE-5120-RPE/627 ..... 13 p2109 N91-21613 #
INPE-5121-TDL/422 ..... 05 p0700 N91-13899 #
INPE-5122-TDL/423 ..... 05 p0767 N91-14257 #
INPE-5124-RPE/629 ..... 13 p2133 N91-21743 #
INPE-5125-RPE/630 ..... 13 p2110 N91-21619 #
INPE-5127-RPE/632 ..... 13 p2158 N91-21896 #
INPE-5136-PRE/1624 ..... 13 p2108 N91-21608 #
INPE-5140-PRE/1628 ..... 13 p2183 N91-22064 #
INPE-5143-PRE/1631 ..... 13 p2181 N91-22054 #
INPE-5151-TDL/424 ..... 13 p2133 N91-21742 #
INPE-5152-RPE/634 ..... 13 p2134 N91-21747 #
INPE-5154-TDL/425 ..... 13 p2168 N91-21967 #
INPE-5157-PRE/1636 ..... 13 p2031 N91-21170 #
INPE-5158-PRE/1637 ..... 13 p2031 N91-21169 #
INPE-5159-PRE/1638 ..... 13 p2040 N91-21218 #
INPE-5160-RPE/635 ..... 13 p2133 N91-21745 #
INPE-5161-RPE/639 ..... 13 p2158 N91-21895 #
INPE-5165-TDL/426 ..... 13 p2071 N91-21406 #
INPE-5166-RPE/637 ..... 13 p2134 N91-21746 #
INPE-5170-PRE/1639 ..... 13 p2110 N91-21615 #
INPE-5171-PRE/1640 ..... 13 p2110 N91-21616 #
INPE-5172-PRE/1641 ..... 13 p2110 N91-21617 #
INPE-5173-PRE/1642 ..... 13 p2114 N91-21636 #
INPE-5174-PRE/1643 ..... 13 p2108 N91-21607 #
INPE-5176-PRE/1645 ..... 13 p2110 N91-21618 #
INPE-5177-PRE/1646 ..... 13 p2108 N91-21606 #
INPE-5178-PRE/1647 ..... 13 p2109 N91-21610 #
INPE-5179-PRE/1648 ..... 13 p2110 N91-21614 #
INPE-5180-PRE/1649 ..... 13 p2109 N91-21609 #
INPE-5181-PRE/1650 ..... 14 p2283 N91-22625 #
INPE-5182-RPE/638 ..... 15 p2456 N91-23609 #
INPE-5184-PRE/1652 ..... 13 p2108 N91-21604 #
INPE-5185-PRE/1653 ..... 16 p2566 N91-24223 #
INPE-5186-PRE/1654 ..... 13 p2040 N91-21219 #
INPE-5187-PRE/1655 ..... 13 p2108 N91-21605 #
INPE-5188-PRE/1656 ..... 13 p2039 N91-21217 #
INPE-5189-PRE/1657 ..... 14 p2284 N91-22630 #
INPE-5192-PRE/1660 ..... 13 p2031 N91-21171 #
INPE-5195-PRE/1663 ..... 14 p2339 N91-22930 #
INPE-5196-MD/45 ..... 13 p2144 N91-21807 #
INPE-5198-TDL/427 ..... 13 p2076 N91-21432 #
INPE-5200-RPE/639 ..... 13 p2109 N91-21611 #
INPE-5201-PRE/640 ..... 16 p2691 N91-24900 #
INPE-5202-PRE/1664 ..... 13 p2108 N91-21603 #
INPE-5203-PRE/1665 ..... 13 p2039 N91-21216 #
INPE-5204-PRE/1666 ..... 13 p2107 N91-21602 #
INPE-5206-PRE/1668 ..... 13 p2039 N91-21215 #
INPE-5207-PRE/1669 ..... 13 p2183 N91-22060 #
INPE-5208-TDL/429 ..... 13 p2121 N91-21672 #
INPE-5209-TDL/430 ..... 22 p3697 N91-30586 #
INPE-5210-TDL/431 ..... 22 p3697 N91-30587 #
INPE-5212-MD/46 ..... 13 p2109 N91-21612 #
INPE-5213-RPE/641 ..... 13 p2117 N91-21651 #
INPE-5216-PRE/1672 ..... 13 p2022 N91-21126 #
INPE-5217-RPE/642 ..... 13 p2133 N91-21744 #
INPE-5218-TDL/432 ..... 22 p3778 N91-31071 #
INPE-5219-TDL/433 ..... 22 p3624 N91-30159 #
INPE-5220-TDL/436 ..... 22 p3630 N91-30197 #
INPE-5221-TDL/435 ..... 22 p3778 N91-31072 #
INPE-5222-TDL/437 ..... 22 p3710 N91-30649 #
INPE-5223-NTE/296 ..... 22 p3697 N91-30583 #
INPE-5225-TDL/438 ..... 22 p3741 N91-30843 #
INPE-5228-RPE/644 ..... 22 p3756 N91-30938 #
INPE-5229-TDL/434 ..... 22 p3696 N91-30581 #
INPE-5230-RPE/645 ..... 22 p3697 N91-30582 #
INPE-5231-RPE/646 ..... 22 p3741 N91-30842 #
INPE-5232-TDL/439 ..... 22 p3707 N91-30630 #
INPE-5233-PRE/1673 ..... 22 p3697 N91-30584 #
INPE-5240-TDI/440 ..... 22 p3639 N91-30253 #
INPE-5243-RPQ/649 ..... 22 p3778 N91-31073 #
INPE-5244-PRE/1675 ..... 21 p3534 N91-29635 #
INPE-5248-PRE/1679 ..... 22 p3696 N91-30579 #

INRS-NRG-326-RF 22 p3669 N91-30428

INS-807 ..... 02 p0295 N91-11656 #
INS-814 ..... 04 p0576 N91-13203 #

INS-851 ..... 17 p2919 N91-26110 #

INSA-IDI-19001 ..... 12 p1982 N91-20906 #

INT-PATENT-CLASS-A47K-11/00 ..... 06 p0856 N91-14724*
INT-PATENT-CLASS-A61B-8/00 ..... 19 p3239 N91-27914*
INT-PATENT-CLASS-A61F-2/58 ..... 24 p4080 N91-32795*
INT-PATENT-CLASS-A61F-2/68 ..... 24 p4080 N91-32795*

INT-PATENT-CLASS-B01D-29/04 ..... 06 p0852 N91-14703*
INT-PATENT-CLASS-B01D-29/42 ..... 06 p0852 N91-14703*
INT-PATENT-CLASS-B01F-3/02 ..... 13 p2089 N91-21496*
INT-PATENT-CLASS-B22D-27/04 ..... 06 p0808 N91-14462*
INT-PATENT-CLASS-B22D-1100 ..... 23 p3813 N91-31269
INT-PATENT-CLASS-B23D-21/06 ..... 23 p3881 N91-31655*
INT-PATENT-CLASS-B23H-9/00 ..... 17 p2763 N91-25296*
INT-PATENT-CLASS-B23K-9/00 ..... 17 p2870 N91-25875*
INT-PATENT-CLASS-B23K-20/08 ..... 23 p3852 N91-31476*
INT-PATENT-CLASS-B23K-26/00 ..... 06 p0816 N91-14508*
INT-PATENT-CLASS-B23K-26/00 ..... 24 p4028 N91-32508*
INT-PATENT-CLASS-B23Q-3/155 ..... 23 p3881 N91-31656*
INT-PATENT-CLASS-B24G-1/00 ..... 13 p2040 N91-21222*
INT-PATENT-CLASS-B25B-11/00 ..... 13 p2097 N91-21545*
INT-PATENT-CLASS-B25G-3/00 ..... 06 p0834 N91-14610*
INT-PATENT-CLASS-B25G-3/00 ..... 13 p2040 N91-21221*
INT-PATENT-CLASS-B25G-3/18 ..... 06 p0835 N91-14614*
INT-PATENT-CLASS-B25J-15/08 ..... 06 p0835 N91-14615*
INT-PATENT-CLASS-B26B-27/00 ..... 23 p3881 N91-31655*
INT-PATENT-CLASS-B26D-3/16 ..... 23 p3881 N91-31655*
INT-PATENT-CLASS-B29C-33/00 ..... 06 p0801 N91-14421
INT-PATENT-CLASS-B29C-67/18 ..... 06 p0801 N91-14421
INT-PATENT-CLASS-B29D-28/00 ..... 06 p0801 N91-14421
INT-PATENT-CLASS-B32B-7/08 ..... 23 p3807 N91-31236*
INT-PATENT-CLASS-B32B-312 ..... 23 p3805 N91-31224
INT-PATENT-CLASS-B60P-7/15 ..... 19 p3176 N91-27561*
INT-PATENT-CLASS-B61D-15/08 ..... 24 p4029 N91-32514*
INT-PATENT-CLASS-B63C-9/01 ..... 23 p3786 N91-31113*
INT-PATENT-CLASS-B64B-21/00 ..... 06 p0826 N91-14562*
INT-PATENT-CLASS-B64C-1/22 ..... 23 p3786 N91-31113*
INT-PATENT-CLASS-B64C-7/00 ..... 19 p3105 N91-27156*
INT-PATENT-CLASS-B64C-17/00 ..... 19 p3102 N91-27139*
INT-PATENT-CLASS-B64C-19/00 ..... 23 p3790 N91-31140*
INT-PATENT-CLASS-B64C-318 ..... 23 p3788 N91-31126
INT-PATENT-CLASS-B64C-2900 ..... 23 p3796 N91-31174
INT-PATENT-CLASS-B64C-2900 ..... 23 p3796 N91-31176
INT-PATENT-CLASS-B64D-1/02 ..... 19 p3105 N91-27156*
INT-PATENT-CLASS-B64D-1/08 ..... 23 p3786 N91-31113*
INT-PATENT-CLASS-B64D-1/12 ..... 24 p4026 N91-32498*
INT-PATENT-CLASS-B64D-9/00 ..... 23 p3786 N91-31113*
INT-PATENT-CLASS-B64D-25/08 ..... 07 p0938 N91-15142*
INT-PATENT-CLASS-B64D-33/00 ..... 06 p0784 N91-14345*
INT-PATENT-CLASS-B64D-33/04 ..... 19 p3176 N91-27560*
INT-PATENT-CLASS-B64G-1/28 ..... 17 p2779 N91-25380*
INT-PATENT-CLASS-B64G-1/42 ..... 19 p3113 N91-27201*
INT-PATENT-CLASS-B64G-1/46 ..... 23 p3906 N91-31803* #
INT-PATENT-CLASS-B64G-1/64 ..... 06 p0791 N91-14374*

INT-PATENT-CLASS-C04B-3510 ..... 23 p3817 N91-31294
INT-PATENT-CLASS-C07C-15/16 ..... 09 p1301 N91-17141*
INT-PATENT-CLASS-C07C-15/16 ..... 17 p2744 N91-25185*
INT-PATENT-CLASS-C07D-207/44 ..... 06 p0801 N91-14419*
INT-PATENT-CLASS-C08F-283/00 ..... 23 p3819 N91-31307*
INT-PATENT-CLASS-C08F-283/04 ..... 23 p3819 N91-31307*
INT-PATENT-CLASS-C08G-8/02 ..... 19 p3117 N91-27220*
INT-PATENT-CLASS-C08G-14/00 ..... 19 p3117 N91-27220*
INT-PATENT-CLASS-C08G-16/00 ..... 23 p3819 N91-31307*
INT-PATENT-CLASS-C08G-69/26 ..... 07 p0984 N91-15403*
INT-PATENT-CLASS-C08G-73/10 ..... 06 p0801 N91-14418*
INT-PATENT-CLASS-C08G-73/10 ..... 07 p0984 N91-15402*
INT-PATENT-CLASS-C08G-73/10 ..... 23 p3819 N91-31307*
INT-PATENT-CLASS-C12M-3/02 ..... 22 p3713 N91-30667*
INT-PATENT-CLASS-C12M-03/06 ..... 13 p2126 N91-21701*
INT-PATENT-CLASS-C22C-102 ..... 23 p3813 N91-31270
INT-PATENT-CLASS-C22C-903 ..... 23 p3813 N91-31270
INT-PATENT-CLASS-C22C-1900 ..... 23 p3813 N91-31271
INT-PATENT-CLASS-C22C-1905 ..... 23 p3813 N91-31268
INT-PATENT-CLASS-C22F-110 ..... 23 p3813 N91-31268
INT-PATENT-CLASS-C23C-22/68 ..... 06 p0807 N91-14453
INT-PATENT-CLASS-C23C-22/83 ..... 06 p0807 N91-14453

INT-PATENT-CLASS-D01F-11/10 ..... 09 p1301 N91-17142

INT-PATENT-CLASS-E03D-9/04 ..... 06 p0856 N91-14723*
INT-PATENT-CLASS-E04H-12/18 ..... 19 p3113 N91-27199*
INT-PATENT-CLASS-E05C-5/04 ..... 19 p3176 N91-27561*

INT-PATENT-CLASS-F8-15/00 ..... 07 p0988 N91-15424*
INT-PATENT-CLASS-F01B-19/00 ..... 13 p2089 N91-21494*
INT-PATENT-CLASS-F01D-11/08 ..... 06 p0833 N91-14608*
INT-PATENT-CLASS-F02G-140 ..... 23 p3796 N91-31174
INT-PATENT-CLASS-F02K-100 ..... 23 p3796 N91-31176
INT-PATENT-CLASS-F02K-178 ..... 23 p3796 N91-31175
INT-PATENT-CLASS-F02K-930 ..... 23 p3802 N91-31207
INT-PATENT-CLASS-F02K-995 ..... 23 p3802 N91-31207
INT-PATENT-CLASS-F16B-1/00 ..... 06 p0834 N91-14610*
INT-PATENT-CLASS-F16B-400 ..... 23 p3789 N91-31127

INT-PATENT-CLASS-F16C-11/00 ..... 07 p1010 N91-15544*
INT-PATENT-CLASS-F16C-2902 ..... 23 p3797 N91-31177
INT-PATENT-CLASS-F16D-3/02 ..... 09 p1345 N91-17387*
INT-PATENT-CLASS-F16D-3/50 ..... 09 p1345 N91-17388*
INT-PATENT-CLASS-F16J-15/46 ..... 19 p3176 N91-27560*
INT-PATENT-CLASS-F16K-1/22 ..... 06 p0834 N91-14609*
INT-PATENT-CLASS-F16K-3/32 ..... 06 p0826 N91-14563*
INT-PATENT-CLASS-F16K-3/32 ..... 19 p3166 N91-27504*
INT-PATENT-CLASS-F16K-3/316 ..... 06 p0826 N91-14563*
INT-PATENT-CLASS-F16K-31/06 ..... 19 p3166 N91-27504*
INT-PATENT-CLASS-F16K-37/00 ..... 06 p0826 N91-14563*
INT-PATENT-CLASS-F16L-35/00 ..... 06 p0834 N91-14613*
INT-PATENT-CLASS-F16L-55/04 ..... 17 p2765 N91-25305*
INT-PATENT-CLASS-F16L-5900 ..... 23 p3802 N91-31206
INT-PATENT-CLASS-F16M-13/00 ..... 06 p0835 N91-14617*
INT-PATENT-CLASS-F16M-13/00 ..... 13 p2096 N91-21541*
INT-PATENT-CLASS-F16M-13/00 ..... 13 p2097 N91-21543*
INT-PATENT-CLASS-F23J-1/00 ..... 07 p0988 N91-15423*
INT-PATENT-CLASS-F27B-5/14 ..... 19 p3109 N91-27175*
INT-PATENT-CLASS-F27D-11/10 ..... 19 p3109 N91-27175*
INT-PATENT-CLASS-F28D-15/02 ..... 13 p2082 N91-21473*
INT-PATENT-CLASS-F28F-7/00 ..... 19 p3146 N91-27385*
INT-PATENT-CLASS-F41G-11/00 ..... 06 p0831 N91-14591*
INT-PATENT-CLASS-F42B-1512 ..... 23 p3802 N91-31207
INT-PATENT-CLASS-F42B-15033 ..... 23 p3797 N91-31182

INT-PATENT-CLASS-G01B-9/02 ..... 13 p2153 N91-21871*
INT-PATENT-CLASS-G01B-11/00 ..... 24 p4102 N91-32922*
INT-PATENT-CLASS-G01B-11/26 ..... 07 p1004 N91-15512*
INT-PATENT-CLASS-G01C-1/00 ..... 07 p1004 N91-15512*
INT-PATENT-CLASS-G01C-3/08 ..... 07 p1004 N91-15512*
INT-PATENT-CLASS-G01C-1916 ..... 23 p3791 N91-31142
INT-PATENT-CLASS-G01F-1/00 ..... 23 p3871 N91-31596*
INT-PATENT-CLASS-G01F-17/00 ..... 07 p1004 N91-15511*
INT-PATENT-CLASS-G01F-17/00 ..... 13 p2088 N91-21493*
INT-PATENT-CLASS-G01F-17/00 ..... 13 p2089 N91-21495*
INT-PATENT-CLASS-G01J-3/443 ..... 07 p1022 N91-15611
INT-PATENT-CLASS-G01K-15/00 ..... 06 p0870 N91-14807*
INT-PATENT-CLASS-G01K-17/06 ..... 23 p3874 N91-31608*
INT-PATENT-CLASS-G01K-17/16 ..... 23 p3874 N91-31608*
INT-PATENT-CLASS-G01L-3/00 ..... 09 p1338 N91-17350*
INT-PATENT-CLASS-G01M-3/28 ..... 13 p2032 N91-21175*
INT-PATENT-CLASS-G01M-7/02 ..... 13 p2032 N91-21176*
INT-PATENT-CLASS-G01M-9/00 ..... 06 p0787 N91-14357*
INT-PATENT-CLASS-G01M-19/00 ..... 13 p2032 N91-21176*
INT-PATENT-CLASS-G01N-3/00 ..... 06 p0803 N91-14430*
INT-PATENT-CLASS-G01N-3/08 ..... 19 p3109 N91-27175*
INT-PATENT-CLASS-G01N-3/20 ..... 13 p2096 N91-21540*
INT-PATENT-CLASS-G01N-21/64 ..... 07 p1022 N91-15611
INT-PATENT-CLASS-G01N-23/20 ..... 06 p0874 N91-14835*
INT-PATENT-CLASS-G01N-25/50 ..... 24 p3973 N91-32196*
INT-PATENT-CLASS-G01N-29/00 ..... 07 p1062 N91-15841
INT-PATENT-CLASS-G01N-31/12 ..... 13 p2029 N91-21157*
INT-PATENT-CLASS-G01N-2318 ..... 23 p3882 N91-31660
INT-PATENT-CLASS-G01R-1/04 ..... 06 p0824 N91-14552*
INT-PATENT-CLASS-G01R-2726 ..... 23 p3872 N91-31598
INT-PATENT-CLASS-G01R-2726 ..... 23 p3872 N91-31599
INT-PATENT-CLASS-G01S-5/02 ..... 06 p0779 N91-14321*
INT-PATENT-CLASS-G01S-13/86 ..... 13 p2111 N91-21621*
INT-PATENT-CLASS-G01S-13/89 ..... 13 p2111 N91-21621*
INT-PATENT-CLASS-G01S-13/89 ..... 24 p4035 N91-32546*
INT-PATENT-CLASS-G01S-13/90 ..... 06 p0840 N91-14642*
INT-PATENT-CLASS-G01S-104 ..... 23 p3785 N91-31108
INT-PATENT-CLASS-G01S-302 ..... 23 p3787 N91-31116
INT-PATENT-CLASS-G01S-502 ..... 23 p3787 N91-31115
INT-PATENT-CLASS-G01S-7295 ..... 23 p3858 N91-31512
INT-PATENT-CLASS-G01W-1/00 ..... 06 p0799 N91-14412*
INT-PATENT-CLASS-G02B-5/122 ..... 19 p3113 N91-27200*
INT-PATENT-CLASS-G02B-6/02 ..... 13 p2153 N91-21871*
INT-PATENT-CLASS-G02B-6/16 ..... 13 p2153 N91-21871*
INT-PATENT-CLASS-G02B-7/18 ..... 06 p0831 N91-14590*
INT-PATENT-CLASS-G02B-21/26 ..... 13 p2097 N91-21545*
INT-PATENT-CLASS-G02B-21/32 ..... 13 p2097 N91-21545*
INT-PATENT-CLASS-G02B-23/00 ..... 06 p0831 N91-14591*
INT-PATENT-CLASS-G02B-27/64 ..... 06 p0831 N91-14590*
INT-PATENT-CLASS-G02B-624 ..... 23 p3927 N91-31946
INT-PATENT-CLASS-G03H-1/02 ..... 05 p0664 N91-13694*
INT-PATENT-CLASS-G03H-126 ..... 23 p3872 N91-31600
INT-PATENT-CLASS-G05B-19/24 ..... 23 p3918 N91-31885*
INT-PATENT-CLASS-G05B-19/42 ..... 23 p3861 N91-31528*
INT-PATENT-CLASS-G05D-110 ..... 23 p3797 N91-31182
INT-PATENT-CLASS-G05F-1/12 ..... 19 p3161 N91-27479*
INT-PATENT-CLASS-G06F-9/46 ..... 06 p0863 N91-14769*
INT-PATENT-CLASS-G06F-12/00 ..... 17 p2839 N91-25693* #
INT-PATENT-CLASS-G06F-15/16 ..... 06 p0863 N91-14769*
INT-PATENT-CLASS-G06F-15/18 ..... 06 p0859 N91-14741*
INT-PATENT-CLASS-G06F-15/20 ..... 06 p0791 N91-14371*
INT-PATENT-CLASS-G06F-15/20 ..... 17 p2767 N91-25317*
INT-PATENT-CLASS-G06F-15/46 ..... 23 p3918 N91-31885*
INT-PATENT-CLASS-G06F-15/50 ..... 23 p3787 N91-31120*
INT-PATENT-CLASS-G06F-702 ..... 23 p3858 N91-31511
INT-PATENT-CLASS-G06F-1562 ..... 23 p3882 N91-31660
INT-PATENT-CLASS-G06G-7/12 ..... 24 p4090 N91-32852*
INT-PATENT-CLASS-G08B-21/00 ..... 06 p0833 N91-14607*
INT-PATENT-CLASS-G08B-108 ..... 23 p3785 N91-31107
INT-PATENT-CLASS-G11C-29/00 ..... 23 p3907 N91-31810*

INT-PATENT-CLASS-G015-352 ..... 23 p3787 N91-31116

INT-PATENT-CLASS-H01B-1/06 ..... 07 p0969 N91-15320*
INT-PATENT-CLASS-H01F-27/30 ..... 06 p0821 N91-14539*
INT-PATENT-CLASS-H01J-37/00 ..... 19 p3243 N91-27936*
INT-PATENT-CLASS-H01L-21/306 ..... 23 p3811 N91-31258*
INT-PATENT-CLASS-H01L-21/324 ..... 19 p3256 N91-28014*
INT-PATENT-CLASS-H01L-27/02 ..... 17 p2864 N91-25841*
INT-PATENT-CLASS-H01L-27/14 ..... 06 p0823 N91-14551*
INT-PATENT-CLASS-H01L-27/14 ..... 13 p2076 N91-21434*
INT-PATENT-CLASS-H01L-29/28 ..... 09 p1325 N91-17278
INT-PATENT-CLASS-H01L-29/78 ..... 09 p1325 N91-17278
INT-PATENT-CLASS-H01L-29/161 ..... 17 p2864 N91-25841*
INT-PATENT-CLASS-H01L-31/18 ..... 19 p3185 N91-27614*
INT-PATENT-CLASS-H01L-31/42 ..... 19 p3185 N91-27614*
INT-PATENT-CLASS-H01L-41/08 ..... 06 p0870 N91-14808*
INT-PATENT-CLASS-H01L-41/08 ..... 06 p0882 N91-14872*
INT-PATENT-CLASS-H01L-43/00 ..... 06 p0821 N91-14537*
INT-PATENT-CLASS-H01M-4/04 ..... 19 p3161 N91-27478*
INT-PATENT-CLASS-H01M-4/58 ..... 19 p3161 N91-27478*
INT-PATENT-CLASS-H01M-6/20 ..... 06 p0821 N91-14538*
INT-PATENT-CLASS-H01Q-138 ..... 23 p3853 N91-31480
INT-PATENT-CLASS-H01Q-142 ..... 23 p3853 N91-31481
INT-PATENT-CLASS-H01Q-904 ..... 23 p3853 N91-31480
INT-PATENT-CLASS-H01Q-1310 ..... 23 p3858 N91-31514
INT-PATENT-CLASS-H01Q-2106 ..... 23 p3853 N91-31480
INT-PATENT-CLASS-H01S-3/16 ..... 07 p1007 N91-15528*
INT-PATENT-CLASS-H01S-3/22 ..... 13 p2048 N91-21270*
INT-PATENT-CLASS-H01S-3/098 ..... 09 p1340 N91-17360* #
INT-PATENT-CLASS-H02K-7/09 ..... 13 p2146 N91-21824*
INT-PATENT-CLASS-H02K-41/00 ..... 13 p2096 N91-21539*
INT-PATENT-CLASS-H02K-44/10 ..... 06 p0813 N91-14489*
INT-PATENT-CLASS-H03D-1/00 ..... 06 p0823 N91-14550*
INT-PATENT-CLASS-H03D-1/04 ..... 18 p2977 N91-26438*
INT-PATENT-CLASS-H03H-970 ..... 23 p3853 N91-31479
INT-PATENT-CLASS-H03H-1702 ..... 23 p3858 N91-31513
INT-PATENT-CLASS-H03M-13/00 ..... 23 p3907 N91-31810*
INT-PATENT-CLASS-H04B-1/10 ..... 17 p2767 N91-25316*
INT-PATENT-CLASS-H04B-10/00 ..... 19 p3247 N91-27957*
INT-PATENT-CLASS-H04J-3/02 ..... 06 p0863 N91-14772*
INT-PATENT-CLASS-H04J-102 ..... 23 p3853 N91-31479
INT-PATENT-CLASS-H04K-3/00 ..... 23 p3861 N91-31530*
INT-PATENT-CLASS-H04L-27/18 ..... 06 p0818 N91-14523*
INT-PATENT-CLASS-H04L-27/18 ..... 17 p2767 N91-25318*
INT-PATENT-CLASS-H04L-27/22 ..... 19 p3155 N91-27439*
INT-PATENT-CLASS-H04N-718 ..... 23 p3887 N91-31693
INT-PATENT-CLASS-H04R-25/00 ..... 19 p3169 N91-27522*
INT-PATENT-CLASS-H05B-33/00 ..... 06 p0874 N91-14835*
INT-PATENT-CLASS-H05B-33/14 ..... 13 p2160 N91-21911*
INT-PATENT-CLASS-H05B-33/14 ..... 23 p3928 N91-31950*
INT-PATENT-CLASS-H07M-4/60 ..... 06 p0821 N91-14536*
INT-PATENT-CLASS-H07M-10/39 ..... 06 p0821 N91-14536*

INTEL/311847-001 ..... 02 p0264 N91-11482 #
INTEL/311848-001 ..... 02 p0264 N91-11481 #
INTEL/311849-001 ..... 02 p0264 N91-11480 #

IOS-275 ..... 24 p4041 N91-32580 #
IOS-279 ..... 24 p4071 N91-32745 #
IOS-280-1990 ..... 22 p3712 N91-30662 #
IOS-281-1991 ..... 22 p3712 N91-30663 #
IOS-282-1991 ..... 22 p3712 N91-30664 #

IPC-TR-90-005 ..... 07 p1053 N91-15783* #
IPC-TR-90-007 ..... 07 p1053 N91-15784* #
IPC-TR-91-06-PT-1 ..... 20 p3385 N91-28757 #
IPC-TR-91-002 ..... 20 p3389 N91-28779 #

IPPCZ-279 ..... 01 p0123 N91-10726 #
IPPCZ-281 ..... 01 p0123 N91-10725 #
IPPCZ-293/1-PT-1 ..... 14 p2328 N91-22859 #
IPPCZ-293/2 ..... 14 p2328 N91-22860 #
IPPCZ-295 ..... 03 p0420 N91-12347 #
IPPCZ-296 ..... 03 p0419 N91-12346 #
IPPCZ-297 ..... 06 p0875 N91-14837 #
IPPCZ-298 ..... 06 p0874 N91-14836 #
IPPCZ-299 ..... 17 p2866 N91-25855 #
IPPCZ-300 ..... 17 p2866 N91-25854 #
IPPCZ-301 ..... 17 p2866 N91-25852 #
IPPCZ-302 ..... 17 p2866 N91-25853 #
IPPCZ-303 ..... 17 p2866 N91-25851 #

IRF-PREPRINT-115 ..... 02 p0274 N91-11541 #
IRF-PREPRINT-117 ..... 22 p3708 N91-30635 #

IRF-SR-205 ..... 07 p1029 N91-15648 #

IRIG-STANDARD-164-91 ..... 18 p2923 N91-26127 #

IRS-91-P3 ..... 11 p1665 N91-19173* #

IS-M-623 ..... 02 p0221 N91-11234 #
IS-M-627 ..... 02 p0226 N91-11264 #
IS-M-631 ..... 04 p0535 N91-12967 #
IS-M-636 ..... 02 p0194 N91-11083 #
IS-M-638 ..... 02 p0226 N91-11267 #
IS-M-639 ..... 02 p0197 N91-11101 #
IS-M-640 ..... 02 p0268 N91-11503 #
IS-M-641 ..... 02 p0279 N91-11571 #
IS-M-642 ..... 02 p0269 N91-11506 #
IS-M-643 ..... 02 p0265 N91-11486 #
IS-M-645 ..... 02 p0191 N91-11071 #
IS-M-646 ..... 02 p0191 N91-11070 #
IS-M-655 ..... 10 p1608 N91-18871 #
IS-M-657 ..... 11 p1776 N91-19744 #
IS-M-662 ..... 11 p1683 N91-19272 #
IS-M-663 ..... 18 p3060 N91-26903 #
IS-M-666 ..... 17 p2837 N91-25679 #
IS-M-667 ..... 20 p3314 N91-28347 #
IS-M-669 ..... 21 p3510 N91-29485 #
IS-M-670 ..... 23 p3886 N91-31688 #

IS-T-1374 ..... 07 p0985 N91-15406 #
IS-T-1399 ..... 08 p1233 N91-16799 #
IS-T-1405 ..... 08 p1109 N91-16089 #
IS-T-1409 ..... 05 p0636 N91-13525 #
IS-T-1413 ..... 08 p1228 N91-16770 #
IS-T-1414 ..... 21 p3584 N91-29939 #
IS-T-1415 ..... 06 p0882 N91-14873 #
IS-T-1429 ..... 08 p1152 N91-16347 #
IS-T-1441 ..... 05 p0634 N91-13516 #
IS-T-1442 ..... 05 p0636 N91-13526 #
IS-T-1448 ..... 07 p1071 N91-15891 #
IS-T-1449 ..... 13 p2050 N91-21279 #
IS-T-1450 ..... 08 p1110 N91-16100 #
IS-T-1451 ..... 05 p0635 N91-13518 #
IS-T-1459 ..... 11 p1793 N91-19837 #
IS-T-1464 ..... 07 p0980 N91-15377 #
IS-T-1474 ..... 02 p0199 N91-11112 #
IS-T-1484 ..... 01 p0025 N91-10146 #
IS-T-1486 ..... 01 p0024 N91-10144 #
IS-T-1487 ..... 01 p0029 N91-10174 #
IS-T-1489 ..... 02 p0278 N91-11564 #
IS-T-1490 ..... 15 p2472 N91-23693 #
IS-T-1495 ..... 05 p0727 N91-14059 #
IS-T-1497 ..... 10 p1610 N91-18884 #
IS-T-1498 ..... 12 p1978 N91-20884 #
IS-T-1500 ..... 21 p3579 N91-29906 #
IS-T-1502 ..... 10 p1497 N91-18240 #
IS-T-1510 ..... 20 p3426 N91-29001 #
IS-T-1513 ..... 18 p3021 N91-26679 #
IS-T-1515 ..... 06 p0809 N91-14466 #
IS-T-1516 ..... 07 p1008 N91-15535 #
IS-T-1522 ..... 18 p2952 N91-26287 #
IS-T-1525 ..... 20 p3400 N91-28843 #
IS-T-1527 ..... 20 p3324 N91-28407 #
IS-T-1530 ..... 18 p2955 N91-26309 #
IS-T-1534 ..... 21 p3476 N91-29282 #
IS-T-1543 ..... 18 p3073 N91-26984 #
IS-T-1546 ..... 19 p3250 N91-27979 #
IS-T-1552 ..... 24 p4106 N91-32943 #
IS-T-1559 ..... 24 p4109 N91-32964 #
IS-T-1560 ..... 20 p3305 N91-28291 #
IS-T-1561 ..... 22 p3650 N91-30315 #
IS-T-1562 ..... 20 p3315 N91-28353 #
IS-T-1565 ..... 24 p4109 N91-32963 #

IS-23-284 ..... 05 p0673 N91-13741 #
IS-24-288 ..... 05 p0672 N91-13738 #
IS-25-062 ..... 05 p0672 N91-13739 #
IS-5049 ..... 10 p1566 N91-18609 #
IS-5053 ..... 20 p3388 N91-28773 #
IS-25101 ..... 05 p0637 N91-13532 #
IS-28843 ..... 05 p0673 N91-13740 #

ISAL-89-0098 ..... 02 p0190 N91-11065 #
ISAL-90-0026 ..... 01 p0023 N91-10135 #
ISAL-90-0051 ..... 22 p3646 N91-30290 #
ISAL-90-0064 ..... 10 p1498 N91-18243 #
ISAL-90-0069 ..... 11 p1805 N91-19915 #
ISAL-90-0093 ..... 23 p3815 N91-31284 #
ISAL-90-0097 ..... 22 p3654 N91-30338 #
ISAL-91-0004 ..... 15 p2500 N91-23844 #

ISAS-SP-12 ..... 08 p1139 N91-16266 #

ISAS-639 ..... 19 p3162 N91-27482 #

ISBN-0-11-886932-9 ..... 06 p0912 N91-15038 #
ISBN-0-11-886933-7 ..... 09 p1424 N91-17838 #
ISBN-0-11-886934-5 ..... 06 p0912 N91-15039 #
ISBN-0-309-03888-X ..... 06 p0885 N91-14890 #
ISBN-0-309-04089-2 ..... 09 p1357 N91-17453
ISBN-0-309-04291-7 ..... 12 p1921 N91-20571* #
ISBN-0-309-04328-X ..... 09 p1357 N91-17457 #
ISBN-0-309-04330-1 ..... 19 p3260 N91-28028 #
ISBN-0-309-04333-6 ..... 14 p2344 N91-22960* #
ISBN-0-309-04335-2 ..... 06 p0849 N91-14686 #
ISBN-0-309-04341-7 ..... 10 p1556 N91-18554 #
ISBN-0-309-04347-6 ..... 09 p1357 N91-17456 #
ISBN-0-309-04381-6 ..... 24 p4118 N91-33016* #
ISBN-0-309-04383-2 ..... 24 p4118 N91-33017* #

ISBN-0-309-04439-1 ..... 13 p2125 N91-21697 #
ISBN-0-309-04479-0 ..... 19 p3185 N91-27612 #
ISBN-0-309-04815-X ..... 01 p0069 N91-10415 #
ISBN-0-309-04857-5 ..... 22 p3766 N91-30993 #
ISBN-0-309-04906-7 ..... 09 p1383 N91-17604 #
ISBN-0-309-04913-X ..... 13 p2069 N91-21399 #
ISBN-0-309-04956-3 ..... 02 p0169 N91-10979 #
ISBN-0-309-05012-X ..... 09 p1271 N91-16988 #
ISBN-0-309-05015-4 ..... 09 p1422 N91-17828 #
ISBN-0-309-05017-0 ..... 12 p1921 N91-20567 #
ISBN-0-642-15864-9 ..... 19 p3191 N91-27647
ISBN-0-662-56720-X ..... 21 p3608 N91-30072 #
ISBN-0-8213-1625-7 ..... 02 p0227 N91-11270 #
ISBN-0-8330-1026-3 ..... 18 p2926 N91-26143 #
ISBN-0-8330-1132-4 ..... 19 p3111 N91-27190 #
ISBN-0-85679-716-2 ..... 04 p0521 N91-12901
ISBN-0-85679-727-8 ..... 04 p0499 N91-12773
ISBN-0-85679-728-6 ..... 07 p1018 N91-15594
ISBN-0-85679-729-4 ..... 04 p0534 N91-12964
ISBN-0-85679-730-8 ..... 04 p0487 N91-12707
ISBN-0-85679-731-6 ..... 04 p0535 N91-12965
ISBN-0-85679-732-4 ..... 04 p0531 N91-12947
ISBN-0-85679-733-2 ..... 04 p0499 N91-12772
ISBN-0-85679-735-9 ..... 04 p0535 N91-12966
ISBN-0-85679-736-7 ..... 04 p0477 N91-12663
ISBN-0-85679-737-5 ..... 07 p1019 N91-15595
ISBN-0-85679-738-3 ..... 07 p0940 N91-15151
ISBN-0-85679-739-1 ..... 07 p0940 N91-15152
ISBN-0-85679-740-5 ..... 07 p0977 N91-15361
ISBN-0-85679-741-3 ..... 07 p0977 N91-15362
ISBN-0-85679-743-X 07 p0977 N91-15363
ISBN-0-85679-744-8 ..... 07 p1019 N91-15597
ISBN-0-85679-745-0 ..... 07 p0976 N91-15356
ISBN-0-85679-746-4 ..... 07 p0936 N91-15130
ISBN-0-85679-747-2 ..... 13 p2046 N91-21253
ISBN-0-85679-748-0 ..... 07 p1017 N91-15590
ISBN-0-85679-749-9 ..... 07 p1062 N91-15843
ISBN-0-85679-750-2 ..... 07 p1003 N91-15505
ISBN-0-85679-751-0 ..... 07 p0936 N91-15131
ISBN-0-85679-752-9 ..... 07 p1018 N91-15591
ISBN-0-85679-753-7 ..... 07 p1010 N91-15546
ISBN-0-85679-754-5 ..... 07 p0982 N91-15389
ISBN-0-85679-755-3 ..... 07 p0936 N91-15132
ISBN-0-85679-756-1 ..... 13 p2023 N91-21129
ISBN-0-85679-759-6 ..... 13 p2068 N91-21390
ISBN-0-85679-760-X 13 p2018 N91-21102
ISBN-0-85679-761-8 ..... 13 p2096 N91-21537
ISBN-0-85679-762-6 ..... 13 p2018 N91-21103
ISBN-0-86579-734-0 ..... 04 p0469 N91-12631
ISBN-0-86579-742-1 ..... 07 p1019 N91-15596
ISBN-0-86776-384-1 ..... 19 p3166 N91-27507 #
ISBN-0-86776-385-X-PT-2 ..... 19 p3166 N91-27508 #
ISBN-0-86776-386-8-PT-3 ..... 19 p3166 N91-27509 #
ISBN-0-904947-24-6 ..... 05 p0618 N91-13426 #
ISBN-0-904947-26-2 ..... 05 p0618 N91-13427 #
ISBN-0-904947-27-0 ..... 07 p1010 N91-15543 #
ISBN-0-904947-34-3 ..... 22 p3609 N91-30076
ISBN-0-934213-21-6 ..... 16 p2705 N91-24971 #
ISBN-0-943475-03-1 ..... 15 p2460 N91-23634 #
ISBN-1-87-8220-01-2 ..... 03 p0389 N91-12165 #
ISBN-1-871564-02-6 ..... 12 p1830 N91-20057 #
ISBN-1-871564-03-4 ..... 15 p2374 N91-23140 #
ISBN-1-871564-04-2 ..... 12 p1879 N91-20326 #
ISBN-1-871564-05-0 ..... 12 p1844 N91-20135 #
ISBN-1-871564-05-0 ..... 15 p2366 N91-23092 #
ISBN-1-871564-06-9 ..... 12 p1830 N91-20058 #
ISBN-1-871564-06-9 ..... 15 p2427 N91-23443 #
ISBN-1-871564-07-7 ..... 12 p1844 N91-20136 #
ISBN-1-871564-09-3 ..... 12 p1972 N91-20847 #
ISBN-1-871564-10-7 ..... 12 p1899 N91-20443 #
ISBN-1-871564-11-5 ..... 12 p1844 N91-20137 #
ISBN-1-871564-12-3 ..... 15 p2427 N91-23444 #
ISBN-1-871564-14-X ..... 22 p3721 N91-30711 #
ISBN-1-871564-29-8 ..... 24 p4077 N91-32772 #
ISBN-2-7170-0936-1 ..... 23 p3784 N91-31098 #
ISBN-2-7170-0937-X ..... 23 p3784 N91-31099 #
ISBN-2-7170-0938-8 ..... 23 p3784 N91-31100 #
ISBN-2-7170-0939-6 ..... 23 p3878 N91-31637 #
ISBN-2-7170-0940-X ..... 23 p3784 N91-31101 #
ISBN-2-7170-0941-8 ..... 23 p3784 N91-31102 #
ISBN-2-7170-0942-6 ..... 23 p3785 N91-31103 #
ISBN-2-7170-0943-4 ..... 23 p3870 N91-31587 #
ISBN-2-7170-0944-2 ..... 23 p3798 N91-31187 #
ISBN-2-7170-0946-9 ..... 23 p3785 N91-31104 #
ISBN-2-7170-0947-7 ..... 23 p3785 N91-31105 #
ISBN-2-7170-0948-5 ..... 23 p3870 N91-31588 #
ISBN-2-7170-0949-3 ..... 23 p3798 N91-31188 #
ISBN-2-7170-0950-7 ..... 23 p3870 N91-31589 #
ISBN-2-7170-0951-5 ..... 23 p3870 N91-31590 #
ISBN-2-7170-0952-3 ..... 23 p3913 N91-31847 #
ISBN-2-7170-0953-1 ..... 24 p3949 N91-32073 #
ISBN-2-7170-0954-X ..... 23 p3913 N91-31848 #
ISBN-2-7170-0955-8 ..... 23 p3913 N91-31849 #
ISBN-2-7170-0956-6 ..... 23 p3913 N91-31850 #
ISBN-2-7170-0957-4 ..... 23 p3870 N91-31591 #
ISBN-2-7170-0958-2 ..... 23 p3871 N91-31592 #
ISBN-2-7170-0959-0 ..... 23 p3871 N91-31593 #
ISBN-2-7170-0960-4 ..... 23 p3913 N91-31851 #
ISBN-2-7170-0962-0 ..... 23 p3783 N91-31097 #
ISBN-2-7170-0963-9 ..... 23 p3790 N91-31137 #
ISBN-2-7261-0621-8 ..... 22 p3730 N91-30767 #
ISBN-3-7696-8188-6 ..... 09 p1391 N91-17653
ISBN-3-7696-9303-1 ..... 09 p1391 N91-17652
ISBN-3-7696-9402-3 ..... 09 p1364 N91-17498
ISBN-3-7696-9404-X 09 p1340 N91-17357
ISBN-3-7696-9407-4 ..... 09 p1276 N91-17013
ISBN-3-7696-9409-0 ..... 24 p3960 N91-32129
ISBN-3-7696-9410-4 ..... 24 p4035 N91-32547
ISBN-3-88148-263-6 ..... 24 p4044 N91-32596
ISBN-3-922010-45-8 ..... 03 p0306 N91-11707 #
ISBN-3-924521-36-0 ..... 10 p1543 N91-18491 #
ISBN-3-9802073-1-5 ..... 09 p1274 N91-17003
ISBN-9-51696-8678 ..... 06 p0831 N91-14593 #
ISBN-82-7542-000-8 ..... 03 p0318 N91-11780 #
ISBN-82-7542-001-6 ..... 03 p0318 N91-11781 #
ISBN-82-7542-002-4 ..... 07 p0949 N91-15208 #
ISBN-82-7542-003-2 ..... 13 p2029 N91-21159 #
ISBN-82-7542-005-9 ..... 07 p0949 N91-15209 #
ISBN-84-7469-048-X ..... 03 p0435 N91-12434 #
ISBN-87-550-1630-8 ..... 09 p1368 N91-17520 #
ISBN-90-327-0239-4 ..... 10 p1612 N91-18897 #
ISBN-90-353-0078-5 ..... 14 p2324 N91-22840 #
ISBN-90-353-10144 ..... 01 p0103 N91-10596 #
ISBN-90-370-0024-X ..... 07 p1020 N91-15600 #
ISBN-90-370-0030-4 ..... 07 p1058 N91-15816 #
ISBN-90-370-0036-3 ..... 02 p0232 N91-11294 #
ISBN-90-370-0043-6 ..... 17 p2870 N91-25877 #
ISBN-90-370-0044-4 ..... 11 p1705 N91-19394 #
ISBN-90-370-0045-2 ..... 17 p2846 N91-25732 #
ISBN-90-370-0049-5 ..... 17 p2762 N91-25288 #
ISBN-90-370-00371-1 ..... 03 p0386 N91-12152 #
ISBN-90-6144-231-1 ..... 22 p3761 N91-30965 #
ISBN-90-6144-232-X ..... 22 p3665 N91-30405 #
ISBN-90-6144-234-5 ..... 22 p3733 N91-30783 #
ISBN-90-6144-238-9 ..... 22 p3733 N91-30784 #
ISBN-90-6144-239-7 ..... 22 p3719 N91-30700 #
ISBN-90-6144-240-0 ..... 22 p3742 N91-30849 #
ISBN-90-6144-241-9 ..... 22 p3719 N91-30701 #
ISBN-90-6144-242-7 ..... 22 p3761 N91-30966 #
ISBN-90-6144-243-5 ..... 22 p3757 N91-30945 #
ISBN-90-6144-244-3 ..... 22 p3742 N91-30850 #
ISBN-90-6144-245-1 ..... 22 p3665 N91-30406 #
ISBN-90-6144-246-X ..... 22 p3665 N91-30407 #
ISBN-90-6144-247-8 ..... 22 p3742 N91-30851 #
ISBN-90-6144-248-6 ..... 22 p3700 N91-30601 #
ISBN-90-6233-638-8 ..... 15 p2524 N91-23988 #
ISBN-90-6275-567-4 ..... 20 p3382 N91-28736
ISBN-90-6275-653-0 ..... 14 p2234 N91-22360 #
ISBN-90-6275-660-3 ..... 23 p3787 N91-31118 #
ISBN-90-6275-661-1 ..... 17 p2783 N91-25402 #
ISBN-90-6275-664-6 ..... 17 p2756 N91-25255 #
ISBN-90-6275-666-2 ..... 17 p2743 N91-25181 #
ISBN-90-6814-517-7 ..... 14 p2255 N91-22470 #
ISBN-90-90031-32-4 ..... 03 p0338 N91-11897 #
ISBN-90-9002667-23 ..... 01 p0073 N91-10443 #
ISBN-90-9002692-4 ..... 03 p0360 N91-12014 #
ISBN-90-9002729-7 ..... 03 p0402 N91-12236 #
ISBN-90-9002738-6 ..... 03 p0402 N91-12234 #
ISBN-90-9002791-2 ..... 03 p0418 N91-12340 #
ISBN-90-9002803-X ..... 01 p0048 N91-10285 #
ISBN-90-9002843-9 ..... 03 p0349 N91-11949 #
ISBN-90-9002929-X ..... 11 p1695 N91-19337 #
ISBN-90-9002966-4 ..... 03 p0424 N91-12374 #
ISBN-90-9003020-4 ..... 20 p3371 N91-28676
ISBN-90-9003079-4 ..... 01 p0049 N91-10290 #
ISBN-90-9003107-3 ..... 03 p0402 N91-12235 #
ISBN-90-9003146-4 ..... 03 p0365 N91-12044 #
ISBN-90-9003442-0 ..... 14 p2309 N91-22761 #
ISBN-90-9003467-6 ..... 08 p1147 N91-16313 #
ISBN-90-9003520-6 ..... 08 p1120 N91-16157 #
ISBN-90-9003596-6 ..... 08 p1208 N91-16644 #
ISBN-90-9003671-7 ..... 11 p1806 N91-19916 #
ISBN-90-9003684-9 ..... 11 p1784 N91-19790 #
ISBN-90-9003688-1 ..... 11 p1723 N91-19490 #
ISBN-90-9003693-8 ..... 08 p1117 N91-16135 #
ISBN-90-9003705-5 ..... 14 p2336 N91-22914 #
ISBN-90-9003713-6 ..... 08 p1206 N91-16631 #
ISBN-90-9003718-7 ..... 14 p2250 N91-22450 #
ISBN-90-9003733-0 ..... 11 p1678 N91-19248 #
ISBN-90-9003753-5 ..... 14 p2309 N91-22762 #
ISBN-90-9003766-7 ..... 14 p2260 N91-22504 #
ISBN-90-9003853-1 ..... 17 p2791 N91-25440 #
ISBN-90-9003926-0 ..... 17 p2859 N91-25812 #
ISBN-91-7174-530-0 ..... 07 p1029 N91-15648 #
ISBN-91-7848-225-9 ..... 14 p2281 N91-22615 #
ISBN-92-63-10734-9 ..... 01 p0094 N91-10547 #
ISBN-92-835-0455-0 ..... 17 p2764 N91-25302 #
ISBN-92-835-0540-9 ..... 01 p0007 N91-10042 #
ISBN-92-835-0547-6 ..... 02 p0167 N91-10967 #
ISBN-92-835-0552-2 ..... 04 p0482 N91-12682 #
ISBN-92-835-0562-X ..... 02 p0172 N91-10981 #
ISBN-92-835-0563-8 ..... 02 p0169 N91-10978 #

ISBN-92-835-0564-6 ..... 04 p0461 N91-12579 #
ISBN-92-835-0568-9 ..... 04 p0603 N91-13352 #
ISBN-92-835-0569-7 ..... 24 p3982 N91-32241 #
ISBN-92-835-0570-0 ..... 11 p1656 N91-19124 #
ISBN-92-835-0573-5 ..... 02 p0181 N91-11022 #
ISBN-92-835-0574-3 ..... 03 p0316 N91-11771 #
ISBN-92-835-0576-X ..... 02 p0244 N91-11358 #
ISBN-92-835-0577-8 ..... 02 p0222 N91-11240 #
ISBN-92-835-0578-6 ..... 07 p1042 N91-15715 #
ISBN-92-835-0579-4 ..... 03 p0306 N91-11706 #
ISBN-92-835-0580-8 ..... 08 p1192 N91-16553 #
ISBN-92-835-0581-6 ..... 05 p0630 N91-13488 #
ISBN-92-835-0582-4 ..... 06 p0780 N91-14324 #
ISBN-92-835-0583-2 ..... 05 p0730 N91-14076 #
ISBN-92-835-0584-0 ..... 07 p0940 N91-15154 #
ISBN-92-835-0585-9 ..... 10 p1463 N91-18067 #
ISBN-92-835-0586-7 ..... 05 p0722 N91-14030 #
ISBN-92-835-0587-5 ..... 05 p0619 N91-13434 #
ISBN-92-835-0588-3 ..... 03 p0340 N91-11905 #
ISBN-92-835-0589-1 ..... 06 p0772 N91-14278 #
ISBN-92-835-0590-5 ..... 10 p1546 N91-18506 #
ISBN-92-835-0591-3 ..... 10 p1457 N91-18035 #
ISBN-92-835-0592-1 ..... 10 p1459 N91-18048 #
ISBN-92-835-0593-X ..... 05 p0694 N91-13863 #
ISBN-92-835-0594-8 ..... 15 p2375 N91-23147 #
ISBN-92-835-0596-4 ..... 13 p2129 N91-21720 #
ISBN-92-835-0596-6 ..... 11 p1775 N91-19731 #
ISBN-92-835-0597-2 ..... 13 p2029 N91-21156 #
ISBN-92-835-0598-0 ..... 13 p2070 N91-21404 #
ISBN-92-835-0599-9 ..... 08 p1240 N91-16833 #
ISBN-92-835-0600-6 ..... 15 p2476 N91-23711 #
ISBN-92-835-0601-4 ..... 22 p3658 N91-30362 #
ISBN-92-835-0602-2 ..... 15 p2369 N91-23108 #
ISBN-92-835-0603-0 ..... 16 p2644 N91-24638 #
ISBN-92-835-0604-9 ..... 17 p2875 N91-25902 #
ISBN-92-835-0605-7 ..... 16 p2614 N91-24472 #
ISBN-92-835-0606-5 ..... 14 p2341 N91-22946 #
ISBN-92-835-0607-3 ..... 14 p2191 N91-22104 #
ISBN-92-835-0608-1 ..... 13 p2081 N91-21464 #
ISBN-92-835-0609-X ..... 17 p2735 N91-25146 #
ISBN-92-835-0610-3 ..... 17 p2731 N91-25121 #
ISBN-92-835-0611-1 ..... 20 p3282 N91-28150 #
ISBN-92-835-0612-X ..... 16 p2681 N91-24843 #
ISBN-92-835-0613-8 ..... 18 p2923 N91-26124 #
ISBN-92-835-0614-6 ..... 17 p2887 N91-25959 #
ISBN-92-835-0615-4 ..... 17 p2849 N91-25750 #
ISBN-92-835-0616-2 ..... 17 p2824 N91-25602 #
ISBN-92-835-0617-0 ..... 18 p2927 N91-26150 #
ISBN-92-835-0619-7 ..... 17 p2730 N91-25119 #
ISBN-92-835-0620-0 ..... 19 p3147 N91-27390 #
ISBN-92-835-0621-9 ..... 18 p2976 N91-26432 #
ISBN-92-835-0622-7 ..... 20 p3334 N91-28465 #
ISBN-92-835-0625-1 ..... 24 p4014 N91-32443 #
ISBN-92-835-0634-0 ..... 24 p4074 N91-32759 #
ISBN-92-835-2116-1 ..... 14 p2190 N91-22099 #
ISBN-92-9092-017-3 ..... 03 p0402 N91-12237 #
ISBN-92-9092-031-9 ..... 13 p2170 N91-21975 #
ISBN-92-9092-036-X ..... 16 p2580 N91-24299 #
ISBN-92-9092-048-3 ..... 04 p0548 N91-13042 #
ISBN-92-9092-054-8 ..... 03 p0326 N91-11812 #
ISBN-92-9092-055-6 ..... 05 p0733 N91-14095 #
ISBN-92-9092-056-4 ..... 03 p0392 N91-12182 #
ISBN-92-9092-058-0 ..... 07 p0949 N91-15212 #
ISBN-92-9092-063-7 ..... 03 p0439 N91-12455 #
ISBN-92-9092-066-1 ..... 01 p0069 N91-10417 #
ISBN-92-9092-070-X ..... 11 p1741 N91-19572 #
ISBN-92-9092-072-6 ..... 24 p3964 N91-32152 #
ISBN-92-9092-074-2 ..... 14 p2208 N91-22189 #
ISBN-92-9092-078-5 ..... 07 p0947 N91-15192 #
ISBN-92-9092-082-3 ..... 09 p1428 N91-17861 #
ISBN-92-9092-086-6 ..... 06 p0916 N91-15046 #
ISBN-92-9092-092-0 ..... 03 p0385 N91-12147 #
ISBN-92-9092-094-7 ..... 24 p3990 N91-32291 #
ISBN-92-9092-098-X ..... 13 p2172 N91-21986 #
ISBN-92-9092-102-1 ..... 10 p1618 N91-18922 #
ISBN-92-9092-104-08 ..... 23 p3822 N91-31321 #
ISBN-92-9092-116-1 ..... 07 p1068 N91-15873 #
ISBN-92-9092-124-2 ..... 10 p1488 N91-18201 #
ISBN-92-9092-128-5 ..... 07 p1005 N91-15517 #
ISBN-92-9092-142-0 ..... 22 p3771 N91-31025 #
ISBN-92-9092-160-9 ..... 22 p3723 N91-30722 #
ISBN-92-9092-192-7 ..... 24 p4044 N91-32597 #
ISBN-92-9092-193-5 ..... 22 p3732 N91-30776* #
ISBN-92-9092-201-X ..... 22 p3768 N91-31009 #
ISBN-92-9092-205-2 ..... 22 p3768 N91-31010 #
ISBN-92-9092-209-5 ..... 22 p3768 N91-31011 #
ISBN-100-05-1131 ..... 05 p0731 N91-14083 #
ISBN-951-22-0117-8 ..... 01 p0043 N91-10254 #
ISBN-951-22-0248-4 ..... 01 p0005 N91-10023 #
ISBN-951-22-0271-9 ..... 03 p0361 N91-12025 #
ISBN-951-22-0329-4 ..... 01 p0005 N91-10024 #
ISBN-951-22-0382-0 ..... 11 p1700 N91-19363 #
ISBN-951-22-0398-7 ..... 01 p0005 N91-10025 #
ISBN-951-22-0441-X ..... 10 p1462 N91-18065 #
ISBN-951-22-0442-8 ..... 14 p2257 N91-22486 #
ISBN-951-22-0461-4 ..... 22 p3748 N91-30894 #
ISBN-951-38-3575-8 ..... 07 p1016 N91-15575 #
ISBN-951-38-3619-3 ..... 05 p0643 N91-13567 #
ISBN-951-38-3647 ..... 02 p0297 N91-11665 #
ISBN-951-38-3706-8 ..... 05 p0636 N91-13528 #
ISBN-951-38-3713-0 ..... 05 p0637 N91-13529 #
ISBN-951-38-3714-9 ..... 05 p0637 N91-13530 #
ISBN-951-38-3760-2 ..... 03 p0415 N91-12323 #
ISBN-951-38-3781-5 ..... 05 p0637 N91-13531 #
ISBN-951-38-3790-4 ..... 15 p2446 N91-23551 #
ISBN-951-38-3835-8 ..... 22 p3652 N91-30325 #
ISBN-951-38-3905-2 ..... 13 p2097 N91-21546 #
ISBN-951-38-3928-1 ..... 17 p2841 N91-25700 #
ISBN-951-38-3942-7 ..... 15 p2490 N91-23788 #
ISBN-951-41-0644-X ..... 12 p1922 N91-20574 #
ISBN-951-42-2969-X ..... 13 p2111 N91-21622 #
ISBN-951-666-299-4 ..... 04 p0538 N91-12984 #
ISBN-951-666-300-1 ..... 03 p0417 N91-12331 #
ISBN-951-666-301 ..... 04 p0536 N91-12970 #
ISBN-951-666-304-4 ..... 01 p0108 N91-10627 #
ISBN-951-666-305-2 ..... 03 p0424 N91-12376 #
ISBN-951-666-313-3 ..... 05 p0703 N91-13921 #
ISBN-951-666-315X ..... 11 p1705 N91-19392 #
ISBN-951-666-320-6 ..... 11 p1717 N91-19454 #
ISBN-951-666-321-4 ..... 14 p2297 N91-22701 #
ISBN-951-666-323-0 ..... 22 p3768 N91-31008 #
ISBN-951-754-987-3 ..... 01 p0043 N91-10253 #
ISBN-951-8928-36-3 ..... 13 p2170 N91-21976 #
ISBN-951-8928-37-1 ..... 13 p2127 N91-21705 #
ISBN-952-90-1784-7 ..... 01 p0122 N91-10724 #
ISBN-952-90-2241-7 ..... 11 p1792 N91-19830 #
ISBN-0309-04199-6 ..... 11 p1812 N91-19952 #
ISBN-0309-04388-3 ..... 11 p1773 N91-19721 #

ISBN92-835-0618-9 ..... 23 p3791 N91-31144 #

ISI-5877-01 ..... 06 p0792 N91-14377 #

ISI/RR-89-241 ..... 04 p0560 N91-13108* #
ISI/RR-91-282 ..... 19 p3159 N91-27464 #

ISI/SR-88-255 ..... 09 p1373 N91-17547 #

ISL-CO-202/90 ..... 12 p1905 N91-20481 #
ISL-CO-203/90 ..... 13 p2147 N91-21830 #
ISL-CO-208/90 ..... 12 p1899 N91-20442 #
ISL-CO-209/90 ..... 13 p2028 N91-21151 #
ISL-CO-212/89 ..... 01 p0032 N91-10189 #
ISL-CO-213/89 ..... 01 p0014 N91-10086 #
ISL-CO-214/89 ..... 04 p0530 N91-12942 #
ISL-CO-217/90 ..... 12 p1975 N91-20866 #
ISL-CO-219/89 ..... 03 p0371 N91-12077 #
ISL-CO-220/89 ..... 01 p0009 N91-10050 #
ISL-CO-221/89 ..... 01 p0042 N91-10246 #
ISL-CO-222/89 ..... 03 p0371 N91-12078 #
ISL-CO-224/88 ..... 04 p0526 N91-12917 #
ISL-CO-224/89 ..... 03 p0366 N91-12048 #
ISL-CO-224/878 ..... 23 p3878 N91-31637 #
ISL-CO-225/89 ..... 03 p0366 N91-12049 #
ISL-CO-226/89 ..... 03 p0415 N91-12322 #
ISL-CO-227/89 ..... 03 p0366 N91-12050 #
ISL-CO-228/88 ..... 04 p0512 N91-12847 #
ISL-CO-234/89 ..... 01 p0048 N91-10283 #
ISL-CO-235/89 ..... 01 p0042 N91-10247 #
ISL-CO-240/89 ..... 13 p2032 N91-21173 #
ISL-CO-244/89 ..... 12 p1842 N91-20124 #
ISL-CO-257/88 ..... 04 p0538 N91-12981 #
ISL-CO-258/88 ..... 04 p0538 N91-12982 #
ISL-CO-259/88 ..... 04 p0471 N91-12642 #

ISL-PU-301/90 ..... 01 p0004 N91-10018 #

ISL-R-102/89-PT-1 ..... 01 p0035 N91-10205 #
ISL-R-104/89 ..... 04 p0506 N91-12807 #
ISL-R-106/89 ..... 04 p0530 N91-12943 #
ISL-R-107/89 ..... 01 p0003 N91-10016 #
ISL-R-109/89 ..... 01 p0003 N91-10017 #
ISL-R-110/90 ..... 13 p2032 N91-21174 #
ISL-R-119/89 ..... 13 p2148 N91-21831 #
ISL-R-120/89 ..... 13 p2148 N91-21832 #
ISL-R-122/89 ..... 13 p2018 N91-21104 #
ISL-R-123/89 ..... 13 p2018 N91-21105 #
ISL-R-124/89 ..... 13 p2043 N91-21237 #
ISL-R-125/89 ..... 13 p2019 N91-21106 #
ISL-R-126/89 ..... 13 p2019 N91-21107 #
ISL-R-127/89 ..... 13 p2143 N91-21799 #

ISSN--0078-3781 ..... 02 p0195 N91-11090 #

ISSN-347-2124 ..... 14 p2290 N91-22665 #
ISSN-0001-687X ..... 11 p1705 N91-19392 #
ISSN-0001-687X ..... 11 p1717 N91-19454 #
ISSN-0018-3781 ..... 02 p0192 N91-11075 #
ISSN-0038-0911 ..... 01 p0140 N91-10822 #
ISSN-0038-0911 ..... 13 p2183 N91-22059 #
ISSN-0065-3713 ..... 05 p0686 N91-13816
ISSN-0065-3713 ..... 15 p2463 N91-23647

ISSN-0065-3713 ..... 15 p2513 N91-23925
ISSN-0065-3713 ..... 22 p3704 N91-30615
ISSN-0065-5309 ..... 09 p1391 N91-17653
ISSN-0065-5325 ..... 09 p1276 N91-17013
ISSN-0065-5325 ..... 09 p1340 N91-17357
ISSN-0065-5325 ..... 09 p1364 N91-17498
ISSN-0065-5325 ..... 09 p1391 N91-17652
ISSN-0065-5325 ..... 24 p3960 N91-32129
ISSN-0065-5325 ..... 24 p4035 N91-32547
ISSN-0065-9401 ..... 03 p0389 N91-12165 #
ISSN-0069-4274 ..... 17 p2786 N91-25418 #
ISSN-0069-5882 ..... 02 p0239 N91-11335 #
ISSN-0069-5882 ..... 02 p0289 N91-11621 #
ISSN-0069-5882 ..... 04 p0546 N91-13028 #
ISSN-0069-5882 ..... 15 p2463 N91-23648 #
ISSN-0069-5882 ..... 15 p2464 N91-23652 #
ISSN-0069-5887 ..... 02 p0215 N91-11202 #
ISSN-0071-9196 ..... 24 p4035 N91-32548
ISSN-0072-4130 ..... 24 p4044 N91-32596
ISSN-0077-5614 ..... 22 p3766 N91-30993 #
ISSN-0078-379X ..... 02 p0217 N91-11211 #
ISSN-0078-3781 ..... 02 p0199 N91-11117 #
ISSN-0078-3781 ..... 02 p0202 N91-11133 #
ISSN-0078-3781 ..... 02 p0241 N91-11345 #
ISSN-0078-3781 ..... 02 p0282 N91-11587 #
ISSN-0078-3781 ..... 04 p0470 N91-12633 #
ISSN-0078-3781 ..... 04 p0528 N91-12925 #
ISSN-0084-7089 ..... 19 p3191 N91-27647
ISSN-0101-6113 ..... 01 p0055 N91-10327 #
ISSN-0109-2690 ..... 22 p3744 N91-30862 #
ISSN-0109-6605 ..... 08 p1104 N91-16061 #
ISSN-0141-397X 04 p0477 N91-12663
ISSN-0141-397X 04 p0487 N91-12707
ISSN-0141-397X 07 p0936 N91-15130
ISSN-0141-397X 07 p0936 N91-15132
ISSN-0141-397X 07 p0940 N91-15152
ISSN-0141-397X 13 p2018 N91-21102
ISSN-0141-397X 13 p2023 N91-21129
ISSN-0141-402X 04 p0521 N91-12901
ISSN-0141-402X 07 p1003 N91-15505
ISSN-0141-402X 13 p2068 N91-21390
ISSN-0141-2590 ..... 07 p1010 N91-15546
ISSN-0141-3961 ..... 07 p1019 N91-15596
ISSN-0141-3988 ..... 04 p0535 N91-12965
ISSN-0141-4011 ..... 07 p0936 N91-15131
ISSN-0141-4046 ..... 04 p0531 N91-12947
ISSN-0141-4046 ..... 07 p1017 N91-15590
ISSN-0141-4054 ..... 07 p0940 N91-15151
ISSN-0141-4054 ..... 13 p2096 N91-21537
ISSN-0141-4062 ..... 04 p0499 N91-12773
ISSN-0141-4062 ..... 07 p0976 N91-15356
ISSN-0141-4062 ..... 07 p0977 N91-15361
ISSN-0141-4062 ..... 07 p0977 N91-15362
ISSN-0141-4062 ..... 07 p0977 N91-15363
ISSN-0141-4070 ..... 04 p0499 N91-12772
ISSN-0141-4070 ..... 04 p0499 N91-12773
ISSN-0141-4070 ..... 07 p0977 N91-15363
ISSN-0141-4097 ..... 04 p0534 N91-12964
ISSN-0141-4097 ..... 07 p1018 N91-15591
ISSN-0141-4097 ..... 07 p1018 N91-15594
ISSN-0141-4097 ..... 13 p2046 N91-21253
ISSN-0141-4356 ..... 04 p0469 N91-12631
ISSN-0141-4356 ..... 07 p0937 N91-15133
ISSN-0143-0599 ..... 03 p0435 N91-12435 #
ISSN-0143-0599 ..... 03 p0435 N91-12436 #
ISSN-0143-2702 ..... 07 p1019 N91-15595
ISSN-0143-2702 ..... 13 p2018 N91-21103
ISSN-0143-7135 ..... 05 p0694 N91-13868
ISSN-0143-7305 ..... 05 p0704 N91-13926
ISSN-0143-7305 ..... 05 p0711 N91-13968
ISSN-0143-7305 ..... 12 p1889 N91-20386
ISSN-0143-7305 ..... 12 p1902 N91-20462
ISSN-0143-7305 ..... 24 p4005 N91-32395
ISSN-0143-7305 ..... 24 p4094 N91-32872
ISSN-0143-7313 ..... 12 p1876 N91-20313
ISSN-0143-7313 ..... 24 p3974 N91-32201
ISSN-0167-8590 ..... 14 p2324 N91-22840 #
ISSN-0167-8590 ..... 23 p3940 N91-32023 #
ISSN-0167-9708 ..... 22 p3665 N91-30405 #
ISSN-0167-9708 ..... 22 p3665 N91-30406 #
ISSN-0167-9708 ..... 22 p3665 N91-30407 #
ISSN-0167-9708 ..... 22 p3700 N91-30601 #
ISSN-0167-9708 ..... 22 p3719 N91-30700 #
ISSN-0167-9708 ..... 22 p3719 N91-30701 #
ISSN-0167-9708 ..... 22 p3733 N91-30783 #
ISSN-0167-9708 ..... 22 p3733 N91-30784 #
ISSN-0167-9708 ..... 22 p3742 N91-30849 #
ISSN-0167-9708 ..... 22 p3742 N91-30850 #
ISSN-0167-9708 ..... 22 p3742 N91-30851 #
ISSN-0167-9708 ..... 22 p3757 N91-30945 #
ISSN-0167-9708 ..... 22 p3761 N91-30965 #
ISSN-0167-9708 ..... 22 p3761 N91-30966 #
ISSN-0169-1615 ..... 23 p3897 N91-31752
ISSN-0169-1651 ..... 15 p2471 N91-23688
ISSN-0169-1708 ..... 01 p0093 N91-10540
ISSN-0169-1708 ..... 01 p0094 N91-10545
ISSN-0169-1708 ..... 01 p0094 N91-10546
ISSN-0169-1708 ..... 04 p0549 N91-13048
ISSN-0169-1708 ..... 05 p0682 N91-13790
ISSN-0169-1708 ..... 05 p0690 N91-13840
ISSN-0169-1708 ..... 14 p2290 N91-22664
ISSN-0169-1708 ..... 15 p2463 N91-23646
ISSN-0169-1708 ..... 15 p2469 N91-23678
ISSN-0169-1708 ..... 16 p2661 N91-24721
ISSN-0169-1708 ..... 23 p3856 N91-31497
ISSN-0169-2690 ..... 01 p0115 N91-10672 #
ISSN-0169-2690 ..... 01 p0115 N91-10673 #
ISSN-0169-2690 ..... 01 p0115 N91-10674 #
ISSN-0169-2690 ..... 01 p0115 N91-10675 #
ISSN-0169-2690 ..... 01 p0115 N91-10676 #
ISSN-0169-2690 ..... 01 p0115 N91-10677 #
ISSN-0169-2690 ..... 01 p0115 N91-10678 #
ISSN-0169-2690 ..... 01 p0116 N91-10681 #
ISSN-0169-2690 ..... 01 p0116 N91-10682 #
ISSN-0169-2690 ..... 01 p0117 N91-10690 #
ISSN-0169-2690 ..... 01 p0117 N91-10692 #
ISSN-0169-2690 ..... 02 p0262 N91-11468 #
ISSN-0169-2690 ..... 02 p0263 N91-11469 #
ISSN-0169-2690 ..... 02 p0263 N91-11470 #
ISSN-0169-2690 ..... 04 p0568 N91-13153 #
ISSN-0169-2690 ..... 04 p0571 N91-13167 #
ISSN-0169-2690 ..... 04 p0574 N91-13191 #
ISSN-0169-2690 ..... 04 p0574 N91-13192 #
ISSN-0169-2690 ..... 04 p0575 N91-13193 #
ISSN-0169-2690 ..... 04 p0575 N91-13194 #
ISSN-0169-2690 ..... 04 p0575 N91-13195 #
ISSN-0169-2690 ..... 04 p0575 N91-13196 #
ISSN-0169-2690 ..... 04 p0575 N91-13197 #
ISSN-0169-2690 ..... 04 p0575 N91-13198 #
ISSN-0169-2690 ..... 04 p0577 N91-13212 #
ISSN-0169-2690 ..... 04 p0577 N91-13213 #
ISSN-0169-2690 ..... 04 p0577 N91-13214 #
ISSN-0169-2690 ..... 05 p0701 N91-13905 #
ISSN-0169-2690 ..... 05 p0711 N91-13964 #
ISSN-0169-2690 ..... 10 p1525 N91-18396 #
ISSN-0169-2690 ..... 10 p1572 N91-18644 #
ISSN-0169-2690 ..... 10 p1572 N91-18645 #
ISSN-0169-2690 ..... 10 p1572 N91-18646 #
ISSN-0169-2690 ..... 10 p1578 N91-18687 #
ISSN-0169-2690 ..... 10 p1578 N91-18688 #
ISSN-0169-2690 ..... 10 p1580 N91-18699 #
ISSN-0169-2690 ..... 10 p1580 N91-18700 #
ISSN-0169-2690 ..... 10 p1581 N91-18701 #
ISSN-0169-2690 ..... 10 p1581 N91-18702 #
ISSN-0169-2690 ..... 10 p1581 N91-18703 #
ISSN-0169-2690 ..... 10 p1581 N91-18704 #
ISSN-0169-2690 ..... 10 p1581 N91-18705 #
ISSN-0169-2690 ..... 10 p1581 N91-18706 #
ISSN-0169-2690 ..... 10 p1581 N91-18707 #
ISSN-0169-2690 ..... 10 p1586 N91-18745 #
ISSN-0169-2690 ..... 10 p1589 N91-18757 #
ISSN-0169-2690 ..... 14 p2309 N91-22756 #
ISSN-0169-2690 ..... 14 p2309 N91-22757 #
ISSN-0169-2690 ..... 14 p2318 N91-22800 #
ISSN-0169-2690 ..... 14 p2318 N91-22801 #
ISSN-0169-2690 ..... 14 p2319 N91-22806 #
ISSN-0169-2690 ..... 14 p2319 N91-22807 #
ISSN-0169-2690 ..... 14 p2319 N91-22808 #
ISSN-0169-2690 ..... 14 p2320 N91-22813 #
ISSN-0169-2690 ..... 21 p3558 N91-29776 #
ISSN-0169-2690 ..... 22 p3679 N91-30487 #
ISSN-0169-2690 ..... 22 p3679 N91-30488 #
ISSN-0169-2690 ..... 22 p3736 N91-30809 #
ISSN-0169-2690 ..... 22 p3739 N91-30831 #
ISSN-0169-2690 ..... 22 p3740 N91-30832 #
ISSN-0169-2690 ..... 22 p3744 N91-30861 #
ISSN-0169-2690 ..... 22 p3746 N91-30877 #
ISSN-0169-2690 ..... 22 p3746 N91-30878 #
ISSN-0169-2690 ..... 22 p3746 N91-30879 #
ISSN-0169-2690 ..... 22 p3748 N91-30891 #
ISSN-0169-2690 ..... 22 p3748 N91-30892 #
ISSN-0169-2690 ..... 23 p3854 N91-31489 #
ISSN-0169-2690 ..... 23 p3869 N91-31580 #
ISSN-0169-2690 ..... 23 p3912 N91-31842 #
ISSN-0169-2690 ..... 23 p3912 N91-31843 #
ISSN-0169-2690 ..... 23 p3912 N91-31844 #
ISSN-0169-2690 ..... 23 p3912 N91-31845 #
ISSN-0169-2690 ..... 23 p3918 N91-31881 #
ISSN-0169-2690 ..... 23 p3921 N91-31904 #
ISSN-0169-2690 ..... 23 p3921 N91-31905 #
ISSN-0169-2690 ..... 23 p3921 N91-31906 #
ISSN-0169-2690 ..... 23 p3921 N91-31907 #
ISSN-0169-2690 ..... 23 p3921 N91-31908 #
ISSN-0169-2690 ..... 23 p3921 N91-31909 #
ISSN-0169-2690 ..... 23 p3922 N91-31910 #
ISSN-0171-1342 ..... 01 p0005 N91-10026 #
ISSN-0171-1342 ..... 01 p0005 N91-10027 #
ISSN-0171-1342 ..... 01 p0065 N91-10390 #
ISSN-0171-1342 ..... 03 p0342 N91-11917 #
ISSN-0171-1342 ..... 03 p0342 N91-11918 #
ISSN-0171-1342 ..... 03 p0349 N91-11951 #
ISSN-0171-1342 ..... 03 p0367 N91-12057 #

ISSN-0171-1342 ..... 03 p0367 N91-12058 #
ISSN-0171-1342 ..... 03 p0368 N91-12059 #
ISSN-0171-1342 ..... 03 p0369 N91-12070 #
ISSN-0171-1342 ..... 03 p0385 N91-12149 #
ISSN-0171-1342 ..... 05 p0616 N91-13415 #
ISSN-0171-1342 ..... 05 p0688 N91-13827 #
ISSN-0171-1342 ..... 08 p1093 N91-15998 #
ISSN-0171-1342 ..... 08 p1130 N91-16216 #
ISSN-0171-1342 ..... 08 p1156 N91-16367 #
ISSN-0171-1342 ..... 08 p1268 N91-16979 #
ISSN-0171-1342 ..... 10 p1498 N91-18244 #
ISSN-0171-1342 ..... 13 p2019 N91-21108 #
ISSN-0171-1342 ..... 13 p2022 N91-21123 #
ISSN-0171-1342 ..... 13 p2023 N91-21130 #
ISSN-0171-1342 ..... 13 p2028 N91-21152 #
ISSN-0171-1342 ..... 13 p2033 N91-21181 #
ISSN-0171-1342 ..... 13 p2081 N91-21466 #
ISSN-0171-1342 ..... 13 p2107 N91-21601 #
ISSN-0171-1342 ..... 13 p2164 N91-21938 #
ISSN-0171-1342 ..... 15 p2365 N91-23088 #
ISSN-0171-1342 ..... 15 p2426 N91-23435 #
ISSN-0171-1342 ..... 15 p2456 N91-23612 #
ISSN-0171-1342 ..... 15 p2469 N91-23677 #
ISSN-0171-1342 ..... 22 p3678 N91-30478 #
ISSN-0172-357X ..... 08 p1269 N91-16987 #
ISSN-0172-8741 ..... 03 p0339 N91-11898 #
ISSN-0172-8741 ..... 03 p0385 N91-12146 #
ISSN-0172-8741 ..... 03 p0390 N91-12174 #
ISSN-0172-8741 ..... 03 p0391 N91-12175 #
ISSN-0172-8741 ..... 03 p0426 N91-12384 #
ISSN-0172-8741 ..... 08 p1180 N91-16493 #
ISSN-0172-8741 ..... 08 p1221 N91-16729 #
ISSN-0172-8741 ..... 08 p1222 N91-16730 #
ISSN-0172-8741 ..... 08 p1222 N91-16731 #
ISSN-0172-8741 ..... 15 p2464 N91-23654 #
ISSN-0173-699X ..... 23 p3937 N91-32002 #
ISSN-0176-7739 ..... 03 p0371 N91-12080 #
ISSN-0176-7739 ..... 03 p0425 N91-12381 #
ISSN-0176-7739 ..... 04 p0540 N91-12992 #
ISSN-0176-7739 ..... 07 p0990 N91-15434 #
ISSN-0176-7739 ..... 08 p1089 N91-15977 #
ISSN-0176-7739 ..... 13 p2046 N91-21254 #
ISSN-0176-7739 ..... 14 p2288 N91-22652 #
ISSN-0176-7739 ..... 24 p3962 N91-32142 #
ISSN-0178-0719 ..... 01 p0127 N91-10753
ISSN-0178-0719 ..... 01 p0137 N91-10808
ISSN-0178-0719 ..... 08 p1230 N91-16782 #
ISSN-0178-0719 ..... 08 p1268 N91-16983 #
ISSN-0178-0719 ..... 23 p3929 N91-31957*
ISSN-0178-7101 ..... 11 p1816 N91-19971 #
ISSN-0208-5658 ..... 13 p2102 N91-21571 #
ISSN-0211-5166 ..... 15 p2463 N91-23649 #
ISSN-0211-5166 ..... 15 p2463 N91-23650 #
ISSN-0243-0177 ..... 23 p3783 N91-31097 #
ISSN-0243-0177 ..... 23 p3784 N91-31098 #
ISSN-0243-0177 ..... 23 p3784 N91-31099 #
ISSN-0243-0177 ..... 23 p3784 N91-31100 #
ISSN-0243-0177 ..... 23 p3784 N91-31101 #
ISSN-0243-0177 ..... 23 p3784 N91-31102 #
ISSN-0243-0177 ..... 23 p3785 N91-31103 #
ISSN-0243-0177 ..... 23 p3785 N91-31104 #
ISSN-0243-0177 ..... 23 p3785 N91-31105 #
ISSN-0243-0177 ..... 23 p3790 N91-31137 #
ISSN-0243-0177 ..... 23 p3798 N91-31187 #
ISSN-0243-0177 ..... 23 p3798 N91-31188 #
ISSN-0243-0177 ..... 23 p3870 N91-31587 #
ISSN-0243-0177 ..... 23 p3870 N91-31588 #
ISSN-0243-0177 ..... 23 p3870 N91-31589 #
ISSN-0243-0177 ..... 23 p3870 N91-31590 #
ISSN-0243-0177 ..... 23 p3870 N91-31591 #
ISSN-0243-0177 ..... 23 p3871 N91-31592 #
ISSN-0243-0177 ..... 23 p3871 N91-31593 #
ISSN-0243-0177 ..... 23 p3878 N91-31637 #
ISSN-0243-0177 ..... 23 p3913 N91-31847 #
ISSN-0243-0177 ..... 23 p3913 N91-31848 #
ISSN-0243-0177 ..... 23 p3913 N91-31849 #
ISSN-0243-0177 ..... 23 p3913 N91-31850 #
ISSN-0243-0177 ..... 23 p3913 N91-31851 #
ISSN-0243-0177 ..... 24 p3949 N91-32073 #
ISSN-0262-5369 ..... 24 p4083 N91-32808
ISSN-0262-5369 ..... 24 p4083 N91-32809
ISSN-0262-5369 ..... 24 p4083 N91-32810
ISSN-0281-0263 ..... 13 p2048 N91-21269 #
ISSN-0281-9945 ..... 01 p0044 N91-10263 #
ISSN-0281-9945 ..... 05 p0690 N91-13839 #
ISSN-0284-169X ..... 03 p0450 N91-12513 #
ISSN-0284-1703 ..... 07 p1029 N91-15648 #
ISSN-0285-6808 ..... 19 p3162 N91-27482 #
ISSN-0288-433X ..... 08 p1139 N91-16266 #
ISSN-0289-260X ..... 04 p0451 N91-12514 #
ISSN-0289-260X ..... 04 p0463 N91-12591 #
ISSN-0289-260X ..... 13 p2066 N91-21379 #
ISSN-0289-260X ..... 24 p3943 N91-32032 #
ISSN-0307-0115 ..... 07 p1062 N91-15843
ISSN-0308-7247 ..... 05 p0661 N91-13672 #
ISSN-0308-7247 ..... 24 p4012 N91-32425 #
ISSN-0309-3069 ..... 24 p3983 N91-32248
ISSN-0343-7639 ..... 05 p0638 N91-13536 #
ISSN-0344-9629 ..... 15 p2386 N91-23203 #
ISSN-0347-2124 ..... 22 p3678 N91-30482 #
ISSN-0347-3708 ..... 09 p1342 N91-17370 #
ISSN-0348-7539 ..... 02 p0235 N91-11312 #
ISSN-0348-7539 ..... 02 p0267 N91-11496 #
ISSN-0348-7539 ..... 02 p0272 N91-11528 #
ISSN-0348-7539 ..... 02 p0272 N91-11529 #
ISSN-0348-7539 ..... 02 p0272 N91-11530 #
ISSN-0348-7539 ..... 02 p0273 N91-11531 #
ISSN-0348-7539 ..... 22 p3757 N91-30941 #
ISSN-0348-7539 ..... 22 p3757 N91-30942 #
ISSN-0348-7539 ..... 22 p3757 N91-30943* #
ISSN-0348-7539 ..... 22 p3757 N91-30944 #
ISSN-0348-9329 ..... 01 p0119 N91-10705 #
ISSN-0349-0068 ..... 22 p3711 N91-30653 #
ISSN-0349-0467 ..... 10 p1556 N91-18558* #
ISSN-0349-0467 ..... 10 p1556 N91-18559 #
ISSN-0349-0467 ..... 15 p2469 N91-23679 #
ISSN-0349-0467 ..... 15 p2469 N91-23680 #
ISSN-0349-0467 ..... 15 p2524 N91-23991 #
ISSN-0349-0467 ..... 23 p3896 N91-31747 #
ISSN-0355-0826 ..... 12 p1922 N91-20574 #
ISSN-0355-2705 ..... 04 p0536 N91-12970 #
ISSN-0355-2705 ..... 04 p0538 N91-12984 #
ISSN-0355-2713 ..... 01 p0108 N91-10627 #
ISSN-0355-2713 ..... 05 p0703 N91-13921 #
ISSN-0355-2713 ..... 22 p3768 N91-31008 #
ISSN-0355-2721 ..... 03 p0417 N91-12331 #
ISSN-0355-2721 ..... 03 p0424 N91-12376 #
ISSN-0355-2721 ..... 14 p2297 N91-22701 #
ISSN-0355-5712 ..... 03 p0361 N91-12025 #
ISSN-0355-5712 ..... 11 p1700 N91-19363 #
ISSN-0357-9387 ..... 07 p1016 N91-15575 #
ISSN-0358-2620 ..... 01 p0005 N91-10023 #
ISSN-0358-2620 ..... 01 p0005 N91-10024 #
ISSN-0358-2620 ..... 01 p0005 N91-10025 #
ISSN-0358-2620 ..... 01 p0043 N91-10253 #
ISSN-0358-2620 ..... 01 p0043 N91-10254 #
ISSN-0358-2620 ..... 10 p1462 N91-18065 #
ISSN-0358-5069 ..... 03 p0415 N91-12323 #
ISSN-0358-5069 ..... 15 p2490 N91-23788 #
ISSN-0358-5069 ..... 17 p2841 N91-25700 #
ISSN-0358-5077 ..... 05 p0636 N91-13528 #
ISSN-0358-5077 ..... 05 p0637 N91-13529 #
ISSN-0358-5077 ..... 05 p0637 N91-13530 #
ISSN-0358-5077 ..... 05 p0637 N91-13531 #
ISSN-0358-5077 ..... 05 p0643 N91-13567 #
ISSN-0358-5077 ..... 15 p2446 N91-23551 #
ISSN-0358-5077 ..... 22 p3652 N91-30325 #
ISSN-0358-5085 ..... 13 p2097 N91-21546 #
ISSN-0360-859X ..... 02 p0169 N91-10979 #
ISSN-0361-1981 ..... 09 p1422 N91-17828 #
ISSN-0366-0885 ..... 08 p1116 N91-16134 #
ISSN-0366-0885 ..... 23 p3815 N91-31283 #
ISSN-0374-1257 ..... 02 p0192 N91-11077 #
ISSN-0374-1257 ..... 02 p0266 N91-11491 #
ISSN-0374-1257 ..... 02 p0282 N91-11588 #
ISSN-0374-1257 ..... 23 p3869 N91-31582 #
ISSN-0377-8312 ..... 23 p3865 N91-31551 #
ISSN-0377-8312 ..... 23 p3866 N91-31565 #
ISSN-0377-8312 ..... 23 p3875 N91-31614 #
ISSN-0377-8312 ..... 23 p3876 N91-31625 #
ISSN-0377-8312 ..... 24 p4012 N91-32426 #
ISSN-0379-4059 ..... 03 p0356 N91-11993 #
ISSN-0379-4059 ..... 04 p0560 N91-13107 #
ISSN-0379-4059 ..... 05 p0700 N91-13897 #
ISSN-0379-4059 ..... 07 p0971 N91-15330 #
ISSN-0379-4059 ..... 12 p1853 N91-20180 #
ISSN-0379-4059 ..... 12 p1853 N91-20181 #
ISSN-0379-4059 ..... 15 p2419 N91-23396 #
ISSN-0379-4059 ..... 15 p2419 N91-23397 #
ISSN-0379-4059 ..... 22 p3630 N91-30198 #
ISSN-0379-4059 ..... 22 p3664 N91-30402 #
ISSN-0379-4059 ..... 22 p3671 N91-30440 #
ISSN-0379-4059 ..... 22 p3690 N91-30547 #
ISSN-0379-4059 ..... 24 p3970 N91-32176 #
ISSN-0379-4059 ..... 24 p3980 N91-32234 #
ISSN-0379-4059 ..... 24 p4010 N91-32420 #
ISSN-0379-4059 ..... 24 p4010 N91-32421 #
ISSN-0379-4059 ..... 24 p4010 N91-32422 #
ISSN-0379-4059 ..... 24 p4083 N91-32811 #
ISSN-0379-4067 ..... 03 p0402 N91-12237 #
ISSN-0379-4067 ..... 10 p1514 N91-18333 #
ISSN-0379-4067 ..... 22 p3723 N91-30722 #
ISSN-0379-4067 ..... 24 p4044 N91-32597 #
ISSN-0379-6566 ..... 01 p0069 N91-10417 #
ISSN-0379-6566 ..... 03 p0326 N91-11812 #
ISSN-0379-6566 ..... 05 p0731 N91-14083 #
ISSN-0379-6566 ..... 07 p0949 N91-15212 #
ISSN-0379-6566 ..... 07 p1005 N91-15517 #
ISSN-0379-6566 ..... 07 p1068 N91-15873 #
ISSN-0379-6566 ..... 09 p1428 N91-17861 #
ISSN-0379-6566 ..... 10 p1488 N91-18201 #
ISSN-0379-6566 ..... 10 p1625 N91-18963 #

ISSN-0379-6566 ..... 14 p2208 N91-22189 #
ISSN-0379-6566 ..... 16 p2580 N91-24299 #
ISSN-0379-6566 ..... 24 p3964 N91-32152 #
ISSN-0388-9653 ..... 16 p2649 N91-24661 #
ISSN-0389-4010 ..... 01 p0002 N91-10011 #
ISSN-0389-4010 ..... 01 p0003 N91-10012 #
ISSN-0389-4010 ..... 01 p0009 N91-10053 #
ISSN-0389-4010 ..... 01 p0009 N91-10054 #
ISSN-0389-4010 ..... 01 p0014 N91-10087 #
ISSN-0389-4010 ..... 01 p0016 N91-10099 #
ISSN-0389-4010 ..... 01 p0025 N91-10148 #
ISSN-0389-4010 ..... 01 p0032 N91-10190 #
ISSN-0389-4010 ..... 01 p0065 N91-10389 #
ISSN-0389-4010 ..... 01 p0115 N91-10679 #
ISSN-0389-4010 ..... 01 p0120 N91-10712 #
ISSN-0389-4010 ..... 08 p1090 N91-15982 #
ISSN-0389-4010 ..... 08 p1090 N91-15983 #
ISSN-0389-4010 ..... 08 p1090 N91-15984 #
ISSN-0389-4010 ..... 08 p1090 N91-15985 #
ISSN-0389-4010 ..... 08 p1105 N91-16069 #
ISSN-0389-4010 ..... 08 p1111 N91-16102 #
ISSN-0389-4010 ..... 08 p1159 N91-16384 #
ISSN-0389-4010 ..... 08 p1161 N91-16396 #
ISSN-0389-4010 ..... 11 p1720 N91-19469 #
ISSN-0389-4010 ..... 12 p1842 N91-20127 #
ISSN-0389-4010 ..... 12 p1964 N91-20806 #
ISSN-0389-4010 ..... 13 p2019 N91-21111 #
ISSN-0389-4010 ..... 13 p2020 N91-21112 #
ISSN-0389-4010 ..... 13 p2020 N91-21113 #
ISSN-0389-4010 ..... 13 p2020 N91-21114 #
ISSN-0389-4010 ..... 13 p2088 N91-21491 #
ISSN-0389-4010 ..... 13 p2096 N91-21538 #
ISSN-0389-4010 ..... 14 p2263 N91-22520 #
ISSN-0389-4010 ..... 17 p2729 N91-25114 #
ISSN-0389-4010 ..... 17 p2730 N91-25115 #
ISSN-0389-4010 ..... 17 p2730 N91-25116 #
ISSN-0389-4010 ..... 17 p2735 N91-25145 #
ISSN-0389-4010 ..... 17 p2736 N91-25149 #
ISSN-0389-4010 ..... 17 p2743 N91-25180 #
ISSN-0389-4010 ..... 17 p2746 N91-25196 #
ISSN-0389-4010 ..... 17 p2761 N91-25287 #
ISSN-0389-4010 ..... 17 p2777 N91-25366 #
ISSN-0389-4010 ..... 17 p2783 N91-25400 #
ISSN-0389-4010 ..... 17 p2832 N91-25645 #
ISSN-0389-4010 ..... 17 p2886 N91-25951 #
ISSN-0418-6435 ..... 09 p1368 N91-17520 #
ISSN-0436-1199 ..... 02 p0213 N91-11193 #
ISSN-0436-1199 ..... 07 p0978 N91-15365 #
ISSN-0436-1199 ..... 11 p1704 N91-19384 #
ISSN-0436-1199 ..... 11 p1704 N91-19385 #
ISSN-0436-1199 ..... 11 p1791 N91-19827 #
ISSN-0436-1199 ..... 23 p3782 N91-31085 #
ISSN-0436-1199 ..... 23 p3869 N91-31581 #
ISSN-0452-2892 ..... 01 p0007 N91-10038
ISSN-0452-2928 ..... 02 p0188 N91-11052 #
ISSN-0452-2982 ..... 01 p0001 N91-10003
ISSN-0452-2982 ..... 01 p0006 N91-10030
ISSN-0452-2982 ..... 01 p0006 N91-10031
ISSN-0452-2982 ..... 01 p0010 N91-10057
ISSN-0452-2982 ..... 01 p0010 N91-10059
ISSN-0452-2982 ..... 01 p0010 N91-10060
ISSN-0452-2982 ..... 01 p0013 N91-10077
ISSN-0452-2982 ..... 01 p0013 N91-10080
ISSN-0452-2982 ..... 01 p0013 N91-10081
ISSN-0452-2982 ..... 01 p0013 N91-10082
ISSN-0452-2982 ..... 01 p0050 N91-10299
ISSN-0452-2982 ..... 01 p0104 N91-10601
ISSN-0452-2982 ..... 01 p0104 N91-10604
ISSN-0452-2982 ..... 01 p0105 N91-10605
ISSN-0452-2982 ..... 02 p0167 N91-10966 #
ISSN-0452-2982 ..... 02 p0182 N91-11026 #
ISSN-0452-2982 ..... 02 p0185 N91-11035 #
ISSN-0452-2982 ..... 02 p0185 N91-11036 #
ISSN-0452-2982 ..... 02 p0188 N91-11051 #
ISSN-0452-2982 ..... 02 p0215 N91-11200 #
ISSN-0453-9478 ..... 14 p2286 N91-22643 #
ISSN-0453-9478 ..... 14 p2287 N91-22644 #
ISSN-0469-4236 ..... 08 p1168 N91-16432 #
ISSN-0524-7705 ..... 01 p0033 N91-10198 #
ISSN-0531-4496 ..... 01 p0137 N91-10809 #
ISSN-0547-5570 ..... 13 p2069 N91-21399 #
ISSN-0706-568X ..... 21 p3607 N91-30071 #
ISSN-0720-7808 ..... 15 p2368 N91-23103 #
ISSN-0721-1694 ..... 15 p2524 N91-23990 #
ISSN-0722-0359 ..... 24 p4124 N91-33052
ISSN-0723-1903 ..... 24 p4124 N91-33052
ISSN-0751-1337 ..... 12 p1959 N91-20775 #
ISSN-0751-1337 ..... 12 p1974 N91-20861 #
ISSN-0751-1345 ..... 11 p1786 N91-19798 #
ISSN-0751-1345 ..... 12 p1959 N91-20776 #
ISSN-0751-1353 ..... 12 p1889 N91-20383 #
ISSN-0751-1353 ..... 12 p1902 N91-20461 #
ISSN-0751-1353 ..... 12 p1959 N91-20777 #
ISSN-0781-0342 ..... 06 p0831 N91-14593 #
ISSN-0782-2030 ..... 22 p3748 N91-30894 #
ISSN-0782-7415 ..... 13 p2127 N91-21705 #
ISSN-0782-9221 ..... 13 p2170 N91-21976 #
ISSN-0784-848X ..... 14 p2257 N91-22486 #
ISSN-0785-4501 ..... 13 p2111 N91-21622 #
ISSN-0786-4558 ..... 02 p0297 N91-11665 #
ISSN-0802-2437 ..... 05 p0649 N91-13600 #
ISSN-0802-2437 ..... 05 p0688 N91-13828 #
ISSN-0802-2437 ..... 05 p0704 N91-13923 #
ISSN-0802-2437 ..... 05 p0704 N91-13924 #
ISSN-0802-2437 ..... 10 p1529 N91-18421 #
ISSN-0802-2437 ..... 12 p1844 N91-20138 #
ISSN-0802-2437 ..... 12 p1844 N91-20139 #
ISSN-0802-2437 ..... 12 p1845 N91-20140 #
ISSN-0802-2437 ..... 12 p1845 N91-20141 #
ISSN-0802-2437 ..... 12 p1845 N91-20142 #
ISSN-0802-2437 ..... 13 p2026 N91-21145 #
ISSN-0802-2437 ..... 13 p2027 N91-21146 #
ISSN-0802-2437 ..... 13 p2027 N91-21147 #
ISSN-0802-2437 ..... 13 p2027 N91-21148 #
ISSN-0802-2437 ..... 14 p2308 N91-22753 #
ISSN-0802-2437 ..... 14 p2321 N91-22821 #
ISSN-0802-2437 ..... 15 p2484 N91-23754 #
ISSN-0802-2437 ..... 22 p3665 N91-30403 #
ISSN-0802-2437 ..... 22 p3665 N91-30404 #
ISSN-0802-2437 ..... 24 p3963 N91-32148 #
ISSN-0802-2437 ..... 24 p3972 N91-32188 #
ISSN-0802-2437 ..... 24 p3975 N91-32203 #
ISSN-0802-2437 ..... 24 p4118 N91-33015 #
ISSN-0879-6566 ..... 06 p0916 N91-15046 #
ISSN-0915-633X ..... 01 p0127 N91-10749 #
ISSN-0915-633X ..... 01 p0127 N91-10750 #
ISSN-0915-633X ..... 01 p0127 N91-10751 #
ISSN-0915-633X ..... 01 p0127 N91-10752 #
ISSN-0915-633X ..... 02 p0273 N91-11532 #
ISSN-0915-633X ..... 10 p1590 N91-18765 #
ISSN-0915-633X ..... 10 p1593 N91-18785 #
ISSN-0915-633X ..... 10 p1602 N91-18838 #
ISSN-0915-633X ..... 10 p1602 N91-18839 #
ISSN-0915-633X ..... 10 p1603 N91-18840 #
ISSN-0915-633X ..... 10 p1603 N91-18841 #
ISSN-0915-633X ..... 10 p1603 N91-18842 #
ISSN-0915-633X ..... 10 p1603 N91-18843 #
ISSN-0915-633X ..... 10 p1603 N91-18844 #
ISSN-0915-633X ..... 11 p1802 N91-19894 #
ISSN-0915-633X ..... 12 p1985 N91-20922 #
ISSN-0915-633X ..... 13 p2157 N91-21891 #
ISSN-0915-633X ..... 13 p2157 N91-21892 #
ISSN-0915-633X ..... 13 p2157 N91-21893 #
ISSN-0915-633X ..... 13 p2157 N91-21894 #
ISSN-0915-633X ..... 17 p2865 N91-25845 #
ISSN-0915-633X ..... 17 p2865 N91-25846 #
ISSN-0915-633X ..... 17 p2865 N91-25847 #
ISSN-0915-633X ..... 17 p2866 N91-25848 #
ISSN-0915-633X ..... 17 p2866 N91-25849 #
ISSN-0915-633X ..... 17 p2866 N91-25850 #
ISSN-0915-633X ..... 18 p3066 N91-26937 #
ISSN-0915-633X ..... 19 p3247 N91-27958 #
ISSN-0915-633X ..... 24 p4043 N91-32592 #
ISSN-0915-633X ..... 24 p4101 N91-32913 #
ISSN-0915-633X ..... 24 p4104 N91-32929 #
ISSN-0915-633X ..... 24 p4104 N91-32930 #
ISSN-0915-633X ..... 24 p4104 N91-32931 #
ISSN-0915-633X ..... 24 p4104 N91-32932 #
ISSN-0915-633X ..... 24 p4104 N91-32933 #
ISSN-0915-633X ..... 24 p4104 N91-32934 #
ISSN-0915-633X ..... 24 p4108 N91-32954 #
ISSN-0915-633X ..... 24 p4108 N91-32955 #
ISSN-0915-633X ..... 24 p4108 N91-32956 #
ISSN-0915-633X ..... 24 p4108 N91-32957 #
ISSN-0915-6348 ..... 09 p1400 N91-17708 #
ISSN-0915-6348 ..... 10 p1596 N91-18809 #
ISSN-0915-6348 ..... 11 p1800 N91-19882 #
ISSN-0915-6348 ..... 19 p3248 N91-27962 #
ISSN-0915-6348 ..... 20 p3406 N91-28881 #
ISSN-0922-5641 ..... 01 p0109 N91-10636 #
ISSN-0922-5641 ..... 01 p0109 N91-10637 #
ISSN-0922-5641 ..... 01 p0110 N91-10638 #
ISSN-0922-5641 ..... 01 p0112 N91-10651 #
ISSN-0922-5641 ..... 01 p0114 N91-10666 #
ISSN-0922-5641 ..... 01 p0114 N91-10667 #
ISSN-0922-5641 ..... 01 p0114 N91-10668 #
ISSN-0922-5641 ..... 01 p0114 N91-10669 #
ISSN-0922-5641 ..... 01 p0114 N91-10670 #
ISSN-0922-5641 ..... 01 p0114 N91-10671 #
ISSN-0922-5641 ..... 01 p0116 N91-10687 #
ISSN-0922-5641 ..... 01 p0116 N91-10688 #
ISSN-0922-5641 ..... 01 p0117 N91-10689 #
ISSN-0922-5641 ..... 02 p0252 N91-11400 #
ISSN-0922-5641 ..... 02 p0252 N91-11401 #
ISSN-0922-5641 ..... 02 p0253 N91-11402 #
ISSN-0922-5641 ..... 02 p0253 N91-11403 #
ISSN-0922-5641 ..... 02 p0257 N91-11429 #
ISSN-0922-5641 ..... 02 p0260 N91-11452 #
ISSN-0922-5641 ..... 02 p0261 N91-11453 #
ISSN-0922-5641 ..... 02 p0261 N91-11454 #
ISSN-0922-5641 ..... 02 p0261 N91-11455 #
ISSN-0922-5641 ..... 02 p0264 N91-11478 #

ISSN-0922-5641 ..... 02 p0272 N91-11527 #
ISSN-0922-5641 ..... 02 p0283 N91-11592 #
ISSN-0922-5641 ..... 03 p0407 N91-12270 #
ISSN-0922-5641 ..... 03 p0407 N91-12271 #
ISSN-0922-5641 ..... 07 p1003 N91-15507 #
ISSN-0922-5641 ..... 07 p1003 N91-15508 #
ISSN-0922-5641 ..... 07 p1058 N91-15817 #
ISSN-0922-5641 ..... 07 p1058 N91-15818 #
ISSN-0922-5641 ..... 07 p1059 N91-15819 #
ISSN-0922-5641 ..... 07 p1059 N91-15820 #
ISSN-0922-5641 ..... 07 p1059 N91-15821 #
ISSN-0922-5641 ..... 07 p1059 N91-15822 #
ISSN-0922-5641 ..... 07 p1059 N91-15823 #
ISSN-0922-5641 ..... 07 p1059 N91-15824 #
ISSN-0922-5641 ..... 07 p1059 N91-15825 #
ISSN-0922-5641 ..... 07 p1061 N91-15835 #
ISSN-0922-5641 ..... 08 p1200 N91-16599 #
ISSN-0922-5641 ..... 08 p1200 N91-16600 #
ISSN-0922-5641 ..... 08 p1209 N91-16653 #
ISSN-0922-5641 ..... 08 p1209 N91-16654 #
ISSN-0922-5641 ..... 08 p1209 N91-16655 #
ISSN-0922-5641 ..... 08 p1210 N91-16656 #
ISSN-0922-5641 ..... 08 p1210 N91-16657 #
ISSN-0922-5641 ..... 10 p1574 N91-18657 #
ISSN-0922-5641 ..... 10 p1574 N91-18658 #
ISSN-0922-5641 ..... 10 p1574 N91-18659 #
ISSN-0922-5641 ..... 10 p1574 N91-18660 #
ISSN-0922-5641 ..... 10 p1579 N91-18690 #
ISSN-0922-5641 ..... 10 p1584 N91-18727 #
ISSN-0922-5641 ..... 10 p1584 N91-18728 #
ISSN-0922-5641 ..... 10 p1584 N91-18729 #
ISSN-0922-5641 ..... 10 p1584 N91-18730 #
ISSN-0922-5641 ..... 10 p1585 N91-18731 #
ISSN-0922-5641 ..... 10 p1585 N91-18732 #
ISSN-0922-5641 ..... 10 p1585 N91-18733 #
ISSN-0922-5641 ..... 10 p1585 N91-18734 #
ISSN-0922-5641 ..... 10 p1585 N91-18735 #
ISSN-0922-5641 ..... 10 p1587 N91-18749 #
ISSN-0922-5641 ..... 10 p1587 N91-18750 #
ISSN-0922-5641 ..... 10 p1589 N91-18760 #
ISSN-0922-5641 ..... 10 p1589 N91-18761 #
ISSN-0922-5641 ..... 10 p1589 N91-18762 #
ISSN-0923-1714 ..... 01 p0110 N91-10643 #
ISSN-0923-1714 ..... 03 p0398 N91-12211 #
ISSN-0923-1714 ..... 03 p0405 N91-12254 #
ISSN-0923-1714 ..... 03 p0405 N91-12255 #
ISSN-0923-1714 ..... 03 p0405 N91-12256 #
ISSN-0923-1714 ..... 03 p0405 N91-12257 #
ISSN-0923-1714 ..... 03 p0405 N91-12258 #
ISSN-0923-1714 ..... 03 p0405 N91-12259 #
ISSN-0923-1714 ..... 03 p0405 N91-12260 #
ISSN-0923-1714 ..... 03 p0406 N91-12261 #
ISSN-0923-1714 ..... 03 p0412 N91-12303 #
ISSN-0923-1714 ..... 10 p1514 N91-18337 #
ISSN-0923-1714 ..... 10 p1515 N91-18338 #
ISSN-0923-1714 ..... 10 p1566 N91-18611 #
ISSN-0923-1714 ..... 10 p1566 N91-18612 #
ISSN-0923-1714 ..... 10 p1570 N91-18634 #
ISSN-0923-1714 ..... 10 p1570 N91-18635 #
ISSN-0923-1714 ..... 10 p1570 N91-18636 #
ISSN-0923-1714 ..... 10 p1570 N91-18637 #
ISSN-0923-1714 ..... 10 p1571 N91-18638 #
ISSN-0923-1714 ..... 10 p1571 N91-18639 #
ISSN-0923-1714 ..... 10 p1571 N91-18640 #
ISSN-0923-1714 ..... 10 p1571 N91-18641 #
ISSN-0923-1714 ..... 10 p1571 N91-18642 #
ISSN-0923-1714 ..... 10 p1571 N91-18643 #
ISSN-0923-1714 ..... 10 p1576 N91-18675 #
ISSN-0923-1714 ..... 10 p1577 N91-18676 #
ISSN-0923-1714 ..... 10 p1577 N91-18677 #
ISSN-0923-1714 ..... 10 p1577 N91-18678 #
ISSN-0923-1714 ..... 10 p1577 N91-18679 #
ISSN-0923-1714 ..... 10 p1577 N91-18680 #
ISSN-0923-1714 ..... 10 p1577 N91-18681 #
ISSN-0923-1714 ..... 10 p1577 N91-18682 #
ISSN-0923-1714 ..... 10 p1578 N91-18683 #
ISSN-0923-1714 ..... 10 p1580 N91-18696 #
ISSN-0923-1714 ..... 10 p1580 N91-18697 #
ISSN-0923-1714 ..... 10 p1580 N91-18698 #
ISSN-0923-1714 ..... 10 p1586 N91-18744 #
ISSN-0923-1714 ..... 10 p1588 N91-18754 #
ISSN-0923-1714 ..... 10 p1588 N91-18755 #
ISSN-0923-1714 ..... 10 p1588 N91-18756 #
ISSN-0923-1714 ..... 14 p2302 N91-22717 #
ISSN-0923-1714 ..... 14 p2302 N91-22718 #
ISSN-0923-1714 ..... 14 p2308 N91-22755 #
ISSN-0923-1714 ..... 21 p3561 N91-29792 #
ISSN-0923-1714 ..... 22 p3665 N91-30408 #
ISSN-0923-1714 ..... 22 p3666 N91-30409 #
ISSN-0923-1714 ..... 22 p3724 N91-30723 #
ISSN-0923-1714 ..... 22 p3728 N91-30752 #
ISSN-0923-1714 ..... 22 p3728 N91-30753 #
ISSN-0923-1714 ..... 22 p3729 N91-30754 #
ISSN-0923-1714 ..... 22 p3733 N91-30789 #
ISSN-0923-1714 ..... 22 p3734 N91-30790 #
ISSN-0923-1714 ..... 22 p3734 N91-30791 #
ISSN-0923-1714 ..... 22 p3734 N91-30792 #
ISSN-0923-1714 ..... 22 p3734 N91-30793 #
ISSN-0923-1714 ..... 22 p3734 N91-30794 #
ISSN-0923-1714 ..... 22 p3734 N91-30795 #
ISSN-0923-1714 ..... 22 p3734 N91-30796 #
ISSN-0923-1714 ..... 22 p3735 N91-30797 #
ISSN-0923-1714 ..... 22 p3735 N91-30798 #
ISSN-0923-1714 ..... 22 p3735 N91-30799 #
ISSN-0923-1714 ..... 22 p3735 N91-30800 #
ISSN-0923-1714 ..... 22 p3735 N91-30801 #
ISSN-0923-1714 ..... 22 p3735 N91-30802 #
ISSN-0923-1714 ..... 22 p3735 N91-30803 #
ISSN-0923-1714 ..... 22 p3736 N91-30804 #
ISSN-0923-1714 ..... 22 p3736 N91-30805 #
ISSN-0923-1714 ..... 22 p3736 N91-30806 #
ISSN-0923-1714 ..... 22 p3736 N91-30807 #
ISSN-0923-1714 ..... 22 p3736 N91-30808 #
ISSN-0923-1714 ..... 22 p3737 N91-30812 #
ISSN-0923-1714 ..... 22 p3737 N91-30813 #
ISSN-0923-1714 ..... 22 p3737 N91-30814 #
ISSN-0923-1714 ..... 22 p3738 N91-30823 #
ISSN-0923-1714 ..... 22 p3738 N91-30824 #
ISSN-0923-1714 ..... 22 p3739 N91-30825 #
ISSN-0923-1714 ..... 22 p3739 N91-30826 #
ISSN-0923-1714 ..... 22 p3739 N91-30827 #
ISSN-0923-1714 ..... 22 p3739 N91-30828 #
ISSN-0923-1714 ..... 22 p3739 N91-30829 #
ISSN-0923-1714 ..... 22 p3739 N91-30830 #
ISSN-0923-1714 ..... 22 p3742 N91-30852 #
ISSN-0923-1714 ..... 22 p3743 N91-30853 #
ISSN-0923-1714 ..... 22 p3746 N91-30875 #
ISSN-0923-1714 ..... 22 p3746 N91-30876 #
ISSN-0923-1714 ..... 22 p3769 N91-31013 #
ISSN-0923-1714 ..... 22 p3769 N91-31014 #
ISSN-0923-1714 ..... 22 p3769 N91-31015 #
ISSN-0923-1714 ..... 22 p3769 N91-31016 #
ISSN-0923-1714 ..... 22 p3769 N91-31017 #
ISSN-0923-1714 ..... 23 p3855 N91-31493 #
ISSN-0923-1714 ..... 23 p3912 N91-31840 #
ISSN-0923-1714 ..... 23 p3912 N91-31841 #
ISSN-0923-1714 ..... 23 p3915 N91-31863 #
ISSN-0924-2082 ..... 22 p3732 N91-30778 #
ISSN-0924-2082 ..... 22 p3732 N91-30779 #
ISSN-0924-2082 ..... 22 p3732 N91-30780 #
ISSN-0924-2082 ..... 22 p3732 N91-30781 #
ISSN-0924-2082 ..... 22 p3742 N91-30846 #
ISSN-0924-2082 ..... 22 p3745 N91-30873 #
ISSN-0924-2910 ..... 10 p1595 N91-18804 #
ISSN-0924-3062 ..... 04 p0539 N91-12987 #
ISSN-0924-3062 ..... 04 p0548 N91-13041 #
ISSN-0924-3062 ..... 10 p1538 N91-18465 #
ISSN-0924-3062 ..... 10 p1538 N91-18468 #
ISSN-0924-3062 ..... 10 p1557 N91-18563 #
ISSN-0924-3062 ..... 17 p2801 N91-25500 #
ISSN-0924-3062 ..... 18 p3003 N91-26585 #
ISSN-0924-3070 ..... 14 p2280 N91-22612 #
ISSN-0924-3275 ..... 06 p0867 N91-14793 #
ISSN-0924-3275 ..... 23 p3910 N91-31827 #
ISSN-0924-3275 ..... 23 p3910 N91-31828 #
ISSN-0924-3275 ..... 23 p3910 N91-31829 #
ISSN-0924-3275 ..... 23 p3910 N91-31830 #
ISSN-0924-3275 ..... 23 p3910 N91-31831 #
ISSN-0924-3275 ..... 23 p3910 N91-31832 #
ISSN-0924-3275 ..... 23 p3911 N91-31833 #
ISSN-0924-3275 ..... 23 p3911 N91-31834 #
ISSN-0924-3275 ..... 23 p3911 N91-31835 #
ISSN-0924-3275 ..... 23 p3911 N91-31836 #
ISSN-0924-3275 ..... 23 p3911 N91-31837 #
ISSN-0924-3275 ..... 23 p3911 N91-31838 #
ISSN-0924-3275 ..... 23 p3912 N91-31839 #
ISSN-0924-3275 ..... 23 p3920 N91-31896 #
ISSN-0924-3275 ..... 23 p3920 N91-31897 #
ISSN-0924-3275 ..... 23 p3920 N91-31898 #
ISSN-0924-3275 ..... 23 p3920 N91-31899 #
ISSN-0924-3275 ..... 23 p3920 N91-31900 #
ISSN-0924-3275 ..... 23 p3920 N91-31901 #
ISSN-0924-3275 ..... 23 p3920 N91-31902 #
ISSN-0924-3275 ..... 23 p3921 N91-31903 #
ISSN-0924-3275 ..... 23 p3922 N91-31917 #
ISSN-0924-3275 ..... 23 p3923 N91-31921 #
ISSN-0924-3275 ..... 23 p3936 N91-31997 #
ISSN-0924-8374 ..... 22 p3718 N91-30695 #
ISSN-0924-8374 ..... 22 p3732 N91-30782 #
ISSN-0924-8374 ..... 22 p3746 N91-30874 #
ISSN-0924-8374 ..... 22 p3747 N91-30888 #
ISSN-0924-8374 ..... 22 p3748 N91-30889 #
ISSN-0924-8374 ..... 23 p3919 N91-31891 #
ISSN-0930-9276 ..... 24 p4114 N91-32994 #
ISSN-0931-9757 ..... 11 p1652 N91-19106 #
ISSN-0932-8599 ..... 02 p0224 N91-11253 #
ISSN-0938-2194 ..... 15 p2542 N91-24086 #
ISSN-0938-5177 ..... 15 p2464 N91-23653 #
ISSN-0939-298X ..... 15 p2393 N91-23248 #
ISSN-0939-298X ..... 22 p3617 N91-30120 #
ISSN-0939-298X ..... 22 p3751 N91-30910 #
ISSN-0939-298X ..... 23 p3798 N91-31185 #

ISSN-0939-298X ..... 24 p3966 N91-32159 #
ISSN-0939-298X ..... 24 p4039 N91-32568 #
ISSN-0939-298X ..... 24 p4041 N91-32581 #
ISSN-0939-298X ..... 24 p4115 N91-33001 #
ISSN-0939-2963 ..... 15 p2374 N91-23137 #
ISSN-0939-2963 ..... 15 p2383 N91-23191 #
ISSN-0939-2963 ..... 15 p2402 N91-23301 #
ISSN-0939-2963 ..... 15 p2412 N91-23355 #
ISSN-0939-2963 ..... 15 p2412 N91-23356 #
ISSN-0939-2963 ..... 15 p2412 N91-23357 #
ISSN-0939-2963 ..... 15 p2456 N91-23613 #
ISSN-0939-2963 ..... 15 p2456 N91-23614 #
ISSN-0939-2963 ..... 15 p2468 N91-23676 #
ISSN-0939-2963 ..... 15 p2470 N91-23687 #
ISSN-0939-2963 ..... 15 p2480 N91-23725 #
ISSN-0939-2963 ..... 15 p2483 N91-23748 #
ISSN-0939-2963 ..... 22 p3619 N91-30133 #
ISSN-0939-2963 ..... 22 p3628 N91-30189 #
ISSN-0939-2963 ..... 22 p3663 N91-30394 #
ISSN-0939-2963 ..... 22 p3663 N91-30395 #
ISSN-0939-2963 ..... 24 p3949 N91-32076 #
ISSN-0939-2963 ..... 24 p3954 N91-32090 #
ISSN-0939-2963 ..... 24 p3960 N91-32131 #
ISSN-0939-2963 ..... 24 p3962 N91-32139 #
ISSN-0939-2963 ..... 24 p3983 N91-32249 #
ISSN-0939-2963 ..... 24 p4014 N91-32439 #
ISSN-0939-2963 ..... 24 p4020 N91-32468 #
ISSN-0939-2963 ..... 24 p4035 N91-32542 #
ISSN-0939-2963 ..... 24 p4035 N91-32543 #
ISSN-0939-2963 ..... 24 p4072 N91-32748 #
ISSN-0951-6301 ..... 22 p3617 N91-30121
ISSN-0951-6301 ..... 22 p3617 N91-30122
ISSN-0955-9655 ..... 12 p1999 N91-21004
ISSN-0955-9655 ..... 24 p3963 N91-32147
ISSN-0955-9655 ..... 24 p4094 N91-32873
ISSN-0955-9655 ..... 24 p4094 N91-32874
ISSN-0955-9655 ..... 24 p4094 N91-32875
ISSN-0958-0360 ..... 13 p2046 N91-21253
ISSN-0958-0379 ..... 04 p0535 N91-12966
ISSN-0958-0379 ..... 07 p0982 N91-15389
ISSN-0958-0379 ..... 07 p1019 N91-15597
ISSN-0959-2423 ..... 05 p0643 N91-13568
ISSN-0959-2423 ..... 12 p1864 N91-20240
ISSN-0959-2423 ..... 12 p1867 N91-20256
ISSN-0959-2423 ..... 12 p1867 N91-20257
ISSN-0959-2423 ..... 12 p1871 N91-20280
ISSN-0959-2423 ..... 12 p1876 N91-20312
ISSN-0959-2423 ..... 12 p1915 N91-20533
ISSN-0959-2423 ..... 15 p2426 N91-23438
ISSN-0959-2423 ..... 15 p2431 N91-23467
ISSN-0959-2423 ..... 24 p3970 N91-32174
ISSN-0959-2423 ..... 24 p3975 N91-32202
ISSN-0959-2426 ..... 15 p2406 N91-23320
ISSN-1013-7076 ..... 22 p3732 N91-30776* #
ISSN-1013-7076 ..... 22 p3768 N91-31009 #
ISSN-1013-7076 ..... 22 p3768 N91-31010 #
ISSN-1013-7076 ..... 22 p3768 N91-31011 #
ISSN-1101-4814 ..... 10 p1545 N91-18501 #
ISSN-1101-4814 ..... 22 p3703 N91-30611 #

ISU-ERI-AMES-91-110 ..... 01 p0004 N91-10019* #

ISVR-TR-171 ..... 05 p0697 N91-13883 #
ISVR-TR-172 ..... 05 p0697 N91-13884 #
ISVR-TR-182 ..... 05 p0679 N91-13778 #
ISVR-TR-185 ..... 05 p0712 N91-13974 #
ISVR-TR-187 ..... 05 p0712 N91-13975 #
ISVR-TR-188 ..... 08 p1218 N91-16705 #
ISVR-TR-189 ..... 13 p2087 N91-21487 #
ISVR-TR-190 ..... 22 p3694 N91-30568 #
ISVR-TR-191 ..... 22 p3751 N91-30911 #
ISVR-TR-192 ..... 12 p1915 N91-20532 #

ITLI-CT-90-08 ..... 22 p3718 N91-30695 #
ITLI-CT-90-09 ..... 22 p3732 N91-30782 #
ITLI-CT-91-01 ..... 22 p3747 N91-30888 #
ITLI-CT-91-02 ..... 22 p3746 N91-30874 #
ITLI-CT-91-03 ..... 22 p3748 N91-30889 #
ITLI-CT-91-04 ..... 23 p3919 N91-31891 #

ITLI-LP-90-11 ..... 22 p3745 N91-30873 #
ITLI-LP-90-12 ..... 22 p3732 N91-30778 #
ITLI-LP-90-13 ..... 22 p3732 N91-30779 #
ITLI-LP-90-14 ..... 22 p3732 N91-30780 #
ITLI-LP-90-15 ..... 22 p3732 N91-30781 #
ITLI-LP-90-16 ..... 22 p3742 N91-30848 #

ITN-88-85000 ..... 15 p2410 N91-23345 #
ITN-88-85001 ..... 15 p2493 N91-23804 #
ITN-88-85002 ..... 15 p2409 N91-23337 #
ITN-88-85003 ..... 15 p2369 N91-23107 #
ITN-88-85004 ..... 15 p2392 N91-23238 #
ITN-88-85005 ..... 15 p2384 N91-23194 #
ITN-88-85006 ..... 15 p2441 N91-23522 #
ITN-88-85007 ..... 15 p2510 N91-23910 #
ITN-88-85008 ..... 15 p2390 N91-23231 #
ITN-88-85009 ..... 15 p2420 N91-23407 #
ITN-89-85012 ..... 15 p2497 N91-23832 #
ITN-89-85013 ..... 15 p2496 N91-23828 #
ITN-89-85014 ..... 15 p2458 N91-23621 #
ITN-89-85015 ..... 15 p2520 N91-23967 #
ITN-90-85016 ..... 16 p2697 N91-24935 #
ITN-90-85017 ..... 16 p2563 N91-24213 #
ITN-90-85018 ..... 16 p2677 N91-24816
ITN-90-85019 ..... 16 p2666 N91-24750
ITN-90-85020 ..... 16 p2666 N91-24751
ITN-90-85021 ..... 16 p2666 N91-24752
ITN-90-85022 ..... 16 p2662 N91-24728
ITN-90-85023 ..... 16 p2650 N91-24670
ITN-90-85024 ..... 07 p0997 N91-15471
ITN-90-85025 ..... 07 p0989 N91-15427
ITN-90-85026 ..... 07 p1039 N91-15701
ITN-90-85027 ..... 07 p1056 N91-15800
ITN-90-85028 ..... 07 p0997 N91-15472
ITN-90-85029 ..... 07 p1039 N91-15702
ITN-90-85030 ..... 07 p1040 N91-15703
ITN-90-85031 ..... 07 p1040 N91-15704
ITN-90-85032 ..... 07 p1040 N91-15705
ITN-90-85033 ..... 07 p1006 N91-15522
ITN-90-85034 ..... 07 p1063 N91-15849
ITN-90-85035 ..... 07 p0989 N91-15428
ITN-90-85036 ..... 07 p1064 N91-15850
ITN-90-85037 ..... 07 p0973 N91-15341
ITN-90-85038 ..... 07 p0967 N91-15309
ITN-90-85039 ..... 07 p1034 N91-15675
ITN-90-85040 ..... 07 p1064 N91-15851
ITN-90-85041 ..... 07 p1076 N91-15920
ITN-90-85042 ..... 07 p1040 N91-15706
ITN-90-85043 ..... 07 p1040 N91-15707
ITN-90-85044 ..... 07 p1041 N91-15708
ITN-90-85045 ..... 07 p0973 N91-15342
ITN-90-85046 ..... 07 p0973 N91-15343
ITN-90-85047 ..... 07 p1085 N91-15969
ITN-90-85048 ..... 07 p1041 N91-15709
ITN-90-85049 ..... 07 p0978 N91-15370
ITN-90-85050 ..... 07 p0973 N91-15344
ITN-90-85051 ..... 07 p0974 N91-15345
ITN-90-85052 ..... 07 p1041 N91-15710
ITN-90-85053 ..... 07 p1038 N91-15693
ITN-90-85054 ..... 07 p1041 N91-15711
ITN-90-85055 ..... 07 p1061 N91-15839
ITN-90-85056 ..... 07 p1006 N91-15523
ITN-90-85057 ..... 07 p0997 N91-15473
ITN-90-85058 ..... 07 p1041 N91-15712
ITN-90-85059 ..... 07 p1000 N91-15493
ITN-90-85060 ..... 07 p1035 N91-15676
ITN-90-85061 ..... 07 p0989 N91-15429
ITN-90-85062 ..... 07 p0990 N91-15430
ITN-90-85063 ..... 07 p1062 N91-15840
ITN-91-85064 ..... 14 p2293 N91-22681 #
ITN-91-85065 ..... 07 p1018 N91-15593
ITN-91-85066 ..... 07 p1039 N91-15698
ITN-91-85067 ..... 07 p1074 N91-15911
ITN-91-85068 ..... 07 p1037 N91-15690
ITN-91-85069 ..... 07 p1075 N91-15918
ITN-91-85070 ..... 07 p0976 N91-15358
ITN-91-85071 ..... 07 p1066 N91-15860
ITN-91-85072 ..... 07 p0977 N91-15359
ITN-91-85073 ..... 07 p0977 N91-15360
ITN-91-85074 ..... 07 p1050 N91-15765
ITN-91-85075 ..... 07 p1005 N91-15518
ITN-91-85076 ..... 07 p1018 N91-15592
ITN-91-85077 ..... 07 p1050 N91-15763
ITN-91-85078 ..... 07 p1050 N91-15764
ITN-91-85079 ..... 07 p1053 N91-15782
ITN-91-85080 ..... 07 p0967 N91-15310
ITN-91-85081 ..... 07 p1033 N91-15669
ITN-91-85082 ..... 07 p1065 N91-15859
ITN-91-85083 ..... 07 p0976 N91-15357
ITN-91-85084 ..... 07 p1074 N91-15910
ITN-91-85085 ..... 07 p0967 N91-15311
ITN-91-85086 ..... 07 p0967 N91-15312
ITN-91-85087 ..... 12 p1954 N91-20750
ITN-91-85088 ..... 12 p1962 N91-20797
ITN-91-85089 ..... 12 p1954 N91-20751
ITN-91-85090 ..... 12 p1955 N91-20752
ITN-91-85091 ..... 12 p1962 N91-20798
ITN-91-85092 ..... 14 p2301 N91-22714
ITN-91-85093 ..... 14 p2279 N91-22603
ITN-91-85094 ..... 14 p2248 N91-22436
ITN-91-85095 ..... 14 p2287 N91-22647
ITN-91-85096 ..... 12 p1865 N91-20243
ITN-91-85097 ..... 12 p1891 N91-20396
ITN-91-85098 ..... 14 p2279 N91-22607
ITN-91-85099 ..... 12 p1891 N91-20397
ITN-91-85100 ..... 12 p1921 N91-20569
ITN-91-85101 ..... 18 p2942 N91-26232
ITN-91-85102 ..... 18 p2985 N91-26480
ITN-91-85103 ..... 18 p2985 N91-26481
ITN-91-85104 ..... 18 p2985 N91-26482
ITN-91-85105 ..... 18 p3004 N91-26590
ITN-91-85106 ..... 18 p3012 N91-26636

ITN-91-85107 ..... 18 p3065 N91-26935
ITN-91-85108 ..... 18 p3083 N91-27049
ITN-91-85109 ..... 18 p2980 N91-26460
ITN-91-85110 ..... 18 p3071 N91-26969
ITN-91-85111 ..... 18 p3054 N91-26867
ITN-91-85112 ..... 18 p3054 N91-26868
ITN-91-85113 ..... 18 p3015 N91-26652
ITN-91-85114 ..... 18 p3036 N91-26760
ITN-91-85115 ..... 18 p3052 N91-26853
ITN-91-85116 ..... 18 p2985 N91-26483
ITN-91-85117 ..... 18 p3075 N91-26996
ITN-91-85118 ..... 18 p3054 N91-26869
ITN-91-85119 ..... 18 p2997 N91-26553
ITN-91-85139 ..... 20 p3335 N91-28468
ITN-91-85140 ..... 20 p3335 N91-28469
ITN-91-85141 ..... 20 p3355 N91-28583
ITN-91-85142 ..... 20 p3280 N91-28139
ITN-91-85143 ..... 20 p3344 N91-28516
ITN-91-85144 ..... 22 p3667 N91-30420
ITN-91-85145 ..... 20 p3335 N91-28470
ITN-91-85146 ..... 20 p3386 N91-28760
ITN-91-85147 ..... 20 p3335 N91-28471
ITN-91-85148 ..... 22 p3754 N91-30928
ITN-91-85149 ..... 20 p3381 N91-28733
ITN-91-85150 ..... 20 p3405 N91-28878

ITOP-4-2-805 ..... 03 p0301 N91-11677 #

ITP-SB-89-40 ..... 08 p1239 N91-16827 #
ITP-SB-90-102 ..... 22 p3754 N91-30924 #

IVO-A-01/90 ..... 13 p2127 N91-21705 #
IVO-A-05/90 ..... 24 p4024 N91-32488 #

IVO-B-03/90 ..... 13 p2170 N91-21976 #

IYAF-89-77 ..... 11 p1778 N91-19752 #
IYAF-89-86 ..... 11 p1784 N91-19788 #

IZF-1989-53 ..... 05 p0618 N91-13431
IZF-1989-55 ..... 08 p1130 N91-16213
IZF-1989-57 ..... 05 p0626 N91-13468
IZF-1989-58 ..... 05 p0695 N91-13872
IZF-1989-59 ..... 05 p0695 N91-13873
IZF-1990-A-9 ..... 05 p0717 N91-14003
IZF-1990-A-11 ..... 08 p1242 N91-16846
IZF-1990-A-12 ..... 08 p1195 N91-16568
IZF-1990-A-16 ..... 03 p0394 N91-12191 #
IZF-1990-A-18 ..... 10 p1564 N91-18601
IZF-1990-A-19 ..... 05 p0682 N91-13789
IZF-1990-A-32 ..... 15 p2474 N91-23703
IZF-1990-A-37 ..... 22 p3718 N91-30693
IZF-1990-A-38 ..... 22 p3625 N91-30166
IZF-1990-A-40 ..... 22 p3625 N91-30167
IZF-1990-A-44-PHASE-3 ..... 22 p3689 N91-30541
IZF-1990-B-1 ..... 07 p1063 N91-15845
IZF-1990-B-2 ..... 08 p1195 N91-16569
IZF-1990-B-3 ..... 05 p0696 N91-13874
IZF-1990-B-4 ..... 05 p0650 N91-13608
IZF-1990-B-5 ..... 05 p0697 N91-13881
IZF-1990-B-15 ..... 22 p3719 N91-30698
IZF-1990-B-16 ..... 15 p2478 N91-23719
IZF-1990-B-17 ..... 22 p3721 N91-30708
IZF-1990-B-18 ..... 22 p3719 N91-30699
IZF-1991-A-10 ..... 24 p4072 N91-32753
IZF-1991-A-12 ..... 24 p4083 N91-32812
IZF-1991-B-1 ..... 22 p3721 N91-30709
IZF-1991-B-2 ..... 19 p3261 N91-28036 #

J-191-6 ..... 04 p0475 N91-12652 #

JA-6282 ..... 13 p2076 N91-21437 #

JAERI-M-90-006 ..... 17 p2861 N91-25820 #
JAERI-M-90-010 ..... 02 p0200 N91-11120 #
JAERI-M-90-012 ..... 17 p2861 N91-25822 #
JAERI-M-90-014 ..... 02 p0281 N91-11581 #
JAERI-M-90-024 ..... 17 p2861 N91-25821 #
JAERI-M-90-025 ..... 17 p2887 N91-25961 #
JAERI-M-90-041 ..... 04 p0557 N91-13088 #
JAERI-M-90-053 ..... 04 p0521 N91-12899 #
JAERI-M-90-057 ..... 04 p0521 N91-12900 #
JAERI-M-90-061 ..... 02 p0197 N91-11106 #
JAERI-M-90-064 ..... 02 p0219 N91-11227 #
JAERI-M-90-146 ..... 12 p1954 N91-20749 #
JAERI-M-90-147 ..... 17 p2785 N91-25414 #
JAERI-M-90-150 ..... 11 p1805 N91-19912 #
JAERI-M-90-155 ..... 12 p1872 N91-20285 #
JAERI-M-90-157 ..... 11 p1685 N91-19284 #
JAERI-M-90-162 ..... 11 p1805 N91-19913 #
JAERI-M-90-170 ..... 11 p1805 N91-19914 #
JAERI-M-90-180 ..... 17 p2870 N91-25874 #
JAERI-M-90-188 ..... 17 p2809 N91-25527 #

JAW-90-TR-1 ..... 06 p0812 N91-14486 #

JHU-CNDE-IW-7 ..... 07 p0973 N91-15340 #

JHU/APL-ANSP-M-20 ..... 10 p1489 N91-18207 #

JHU/ECE-90-02 ..... 03 p0410 N91-12292 #

JIAA-TR-99 ..... 02 p0161 N91-10934* #

JINR-E-4-89-275 ..... 02 p0283 N91-11589 #
JINR-E-11-90-393 ..... 10 p1589 N91-18763 #

JINR-R-4-89-287 ..... 03 p0425 N91-12382 #
JINR-R-10-89-454 ..... 02 p0207 N91-11160 #
JINR-R-11-89-191 ..... 02 p0263 N91-11471 #
JINR-R-11-89-382 ..... 02 p0263 N91-11472 #

JOY-LT-16 ..... 06 p0831 N91-14593 #

JPL-BIBL-39-31 ..... 22 p3766 N91-30994* #

JPL-D-3547 ..... 06 p0871 N91-14817* #
JPL-D-4788 ..... 06 p0832 N91-14600* #
JPL-D-6665 ..... 18 p3011 N91-26624* #
JPL-D-6709 ..... 12 p1870 N91-20277* #
JPL-D-6847 ..... 08 p1107 N91-16078* #
JPL-D-7824 ..... 11 p1699 N91-19355 #
JPL-D-8051 ..... 13 p2047 N91-21264 #

JPL-PUBL-87-4 ..... 05 p0685 N91-13808* #
JPL-PUBL-88-27 ..... 05 p0662 N91-13679* #
JPL-PUBL-89-17 ..... 05 p0725 N91-14049* #
JPL-PUBL-90-5 ..... 06 p0788 N91-14359* #
JPL-PUBL-90-10 ..... 05 p0696 N91-13876* #
JPL-PUBL-90-12 ..... 05 p0627 N91-13476* #
JPL-PUBL-90-19 ..... 01 p0017 N91-10105* #
JPL-PUBL-90-20 ..... 01 p0034 N91-10204* #
JPL-PUBL-90-21 ..... 07 p1056 N91-15799* #
JPL-PUBL-90-22 ..... 06 p0792 N91-14379* #
JPL-PUBL-90-27 ..... 03 p0350 N91-11954* #
JPL-PUBL-90-30 ..... 13 p2059 N91-21331* #
JPL-PUBL-90-32 ..... 07 p1081 N91-15951* #
JPL-PUBL-90-34 ..... 01 p0141 N91-10829* #
JPL-PUBL-90-36 ..... 08 p1189 N91-16534* #
JPL-PUBL-90-38 ..... 01 p0038 N91-10222* #
JPL-PUBL-90-39 ..... 08 p1188 N91-16533* #
JPL-PUBL-90-40 ..... 08 p1188 N91-16532* #
JPL-PUBL-90-46 ..... 07 p1014 N91-15566* #
JPL-PUBL-90-47 ..... 07 p1074 N91-15913* #
JPL-PUBL-90-49 ..... 08 p1189 N91-16535* #
JPL-PUBL-90-52 ..... 07 p1026 N91-15630* #
JPL-PUBL-91-1 ..... 11 p1775 N91-19733* #
JPL-PUBL-91-2 ..... 11 p1775 N91-19734* #
JPL-PUBL-91-13 ..... 19 p3216 N91-27775* #

JPL-TDA-PR-42-102 ..... 03 p0353 N91-11973* #
JPL-TDA-PR-42-104 ..... 10 p1510 N91-18308* #
JPL-TDA-PR-42-106 ..... 24 p3983 N91-32250* #

JPL-5250-3-VOL-1 ..... 12 p1919 N91-20556* #
JPL-5250-3-VOL-2 ..... 12 p1918 N91-20553* #
JPL-5250-3-VOL-3 ..... 12 p1919 N91-20557* #
JPL-5250-3-VOL-4 ..... 12 p1919 N91-20554* #
JPL-5250-3-VOL-5 ..... 12 p1919 N91-20558* #
JPL-5250-3-VOL-6-REV-A ..... 12 p1919 N91-20555* #

JPRS-CST-91-005 ..... 17 p2842 N91-25705 #
JPRS-CST-91-008 ..... 17 p2767 N91-25313 #

JPRS-UCC-91-001 ..... 19 p3216 N91-27776 #

JPRS-UEE-90-004 ..... 01 p0037 N91-10213 #
JPRS-UEE-90-006 ..... 01 p0037 N91-10214 #
JPRS-UEE-90-007 ..... 01 p0037 N91-10215 #
JPRS-UEE-90-008 ..... 01 p0037 N91-10216 #
JPRS-UEE-90-009 ..... 01 p0037 N91-10217 #
JPRS-UEE-90-010 ..... 19 p3156 N91-27448 #
JPRS-UEE-90-011 ..... 19 p3155 N91-27441 #
JPRS-UEE-91-002 ..... 19 p3156 N91-27449 #

JPRS-UES-90-007 ..... 01 p0063 N91-10377 #
JPRS-UES-91-001 ..... 17 p2800 N91-25494 #
JPRS-UES-91-002 ..... 18 p3002 N91-26581 #
JPRS-UES-91-003 ..... 18 p3002 N91-26582 #
JPRS-UES-91-004 ..... 19 p3183 N91-27602 #

JPRS-ULS-89-003 ..... 02 p0243 N91-11354 #
JPRS-ULS-89-003 ..... 06 p0853 N91-14706 #
JPRS-ULS-89-008 ..... 01 p0101 N91-10589 #
JPRS-ULS-89-010 ..... 01 p0101 N91-10590 #
JPRS-ULS-89-011 ..... 05 p0694 N91-13861 #
JPRS-ULS-90-001 ..... 01 p0095 N91-10551 #
JPRS-ULS-90-005 ..... 01 p0098 N91-10572 #
JPRS-ULS-90-006 ..... 01 p0098 N91-10571 #
JPRS-ULS-90-008 ..... 01 p0098 N91-10570 #
JPRS-ULS-90-009 ..... 01 p0098 N91-10569 #
JPRS-ULS-90-010 ..... 01 p0098 N91-10568 #

JPRS-ULS-90-011 ..... 01 p0097 N91-10565 #
JPRS-ULS-90-012 ..... 01 p0096 N91-10556 #
JPRS-ULS-90-013 ..... 01 p0095 N91-10552 #
JPRS-ULS-90-014 ..... 10 p1561 N91-18583 #
JPRS-ULS-90-015 ..... 10 p1560 N91-18579 #
JPRS-ULS-90-016 ..... 10 p1559 N91-18574 #
JPRS-ULS-90-018 ..... 22 p3714 N91-30670 #
JPRS-ULS-90-019 ..... 19 p3209 N91-27740 #
JPRS-ULS-91-001 ..... 11 p1740 N91-19567 #
JPRS-ULS-91-002 ..... 19 p3210 N91-27744 #
JPRS-ULS-91-003 ..... 19 p3207 N91-27725 #
JPRS-ULS-91-004 ..... 19 p3207 N91-27726 #
JPRS-ULS-91-005 ..... 22 p3716 N91-30683 #
JPRS-ULS-91-006 ..... 19 p3215 N91-27768 #
JPRS-ULS-91-007 ..... 19 p3208 N91-27734 #
JPRS-ULS-91-008 ..... 17 p2821 N91-25591 #
JPRS-ULS-91-009 ..... 18 p3023 N91-26688 #
JPRS-ULS-91-010 ..... 18 p3022 N91-26683 #
JPRS-ULS-91-011 ..... 18 p3024 N91-26696 #
JPRS-ULS-91-013 ..... 19 p3208 N91-27735 #
JPRS-ULS-91-014 ..... 19 p3208 N91-27736 #

JPRS-UMS-90-003 ..... 19 p3131 N91-27298 #
JPRS-UMS-90-004 ..... 19 p3132 N91-27307 #
JPRS-UMS-90-006 ..... 19 p3132 N91-27302 #
JPRS-UMS-91-001 ..... 21 p3478 N91-29291 #
JPRS-UMS-91-002 ..... 19 p3132 N91-27306 #
JPRS-UMS-91-003 ..... 20 p3314 N91-28342 #
JPRS-UMS-91-004 ..... 19 p3132 N91-27305 #
JPRS-UMS-91-005 ..... 19 p3132 N91-27304 #
JPRS-UMS-91-006 ..... 19 p3132 N91-27303 #
JPRS-UMS-91-007 ..... 19 p3132 N91-27301 #

JPRS-UPM-90-003 ..... 01 p0117 N91-10694 #
JPRS-UPM-90-004 ..... 11 p1786 N91-19800 #
JPRS-UPM-90-005 ..... 17 p2859 N91-25811 #
JPRS-UPM-90-006 ..... 20 p3394 N91-28811 #
JPRS-UPM-91-001 ..... 17 p2859 N91-25810 #
JPRS-UPM-91-002 ..... 17 p2859 N91-25809 #
JPRS-UPM-91-003 ..... 17 p2859 N91-25808 #
JPRS-UPM-91-004 ..... 19 p3238 N91-27907 #
JPRS-UPM-91-005 ..... 19 p3238 N91-27908 #

JPRS-USP-89-006 ..... 08 p1100 N91-16036
JPRS-USP-89-009 ..... 01 p0014 N91-10088 #
JPRS-USP-90-001 ..... 01 p0014 N91-10089 #
JPRS-USP-90-002 ..... 01 p0015 N91-10090 #
JPRS-USP-90-004 ..... 09 p1286 N91-17070 #
JPRS-USP-90-005 ..... 12 p1848 N91-20154 #
JPRS-USP-91-001 ..... 19 p3111 N91-27183 #
JPRS-USP-91-002 ..... 18 p2930 N91-26162 #
JPRS-USP-91-003 ..... 22 p3625 N91-30170 #

JRC-10-90 ..... 02 p0266 N91-11489 #
JRC-90-02 ..... 02 p0207 N91-11157 #

JSR-86-303 ..... 09 p1388 N91-17635 #
JSR-88-120 ..... 07 p1039 N91-15700 #
JSR-89-290 ..... 08 p1134 N91-16239 #

JTN-90-80003 ..... 01 p0007 N91-10038
JTN-90-80004 ..... 01 p0013 N91-10080
JTN-90-80005 ..... 01 p0013 N91-10077
JTN-90-80006 ..... 01 p0104 N91-10604
JTN-90-80007 ..... 01 p0006 N91-10030
JTN-90-80008 ..... 01 p0013 N91-10081
JTN-90-80009 ..... 01 p0013 N91-10082
JTN-90-80010 ..... 01 p0006 N91-10031
JTN-90-80011 ..... 01 p0104 N91-10601
JTN-90-80012 ..... 01 p0050 N91-10299
JTN-90-80013 ..... 01 p0010 N91-10059
JTN-90-80014 ..... 01 p0010 N91-10060
JTN-90-80015 ..... 01 p0001 N91-10003
JTN-90-80016 ..... 01 p0105 N91-10605
JTN-90-80017 ..... 01 p0010 N91-10057
JTN-90-80118 ..... 04 p0463 N91-12591 #
JTN-90-80120 ..... 02 p0185 N91-11035 #
JTN-90-80121 ..... 02 p0188 N91-11051 #
JTN-90-80122 ..... 02 p0182 N91-11026 #
JTN-90-80134 ..... 02 p0215 N91-11200 #
JTN-90-80135 ..... 02 p0167 N91-10966 #
JTN-90-80141 ..... 02 p0185 N91-11036 #
JTN-90-80142 ..... 02 p0188 N91-11052 #

JUEL-SPEZ-550 ..... 05 p0638 N91-13536 #

JUEL-2362 ..... 08 p1116 N91-16134 #
JUEL-2414 ..... 23 p3815 N91-31283 #

K/CSD/TM-88 ..... 05 p0645 N91-13577 #
K/CSD/TM-93 ..... 07 p1077 N91-15924 #
K/CSD/TM-95 ..... 07 p1077 N91-15925 #
K/CSD/TM-97 ..... 15 p2523 N91-23985 #

K/DSRD-461 ..... 15 p2524 N91-23987 #

K/ETO-50 ..... 19 p3186 N91-27618 #
K/ETO-56 ..... 20 p3316 N91-28355 #

K/QT-331 ..... 01 p0024 N91-10145 #
K/QT-413 ..... 23 p3818 N91-31300 #

KA-TR-88-02Z ..... 04 p0602 N91-13351 #

KAPL-4721 ..... 15 p2504 N91-23867 #
KAPL-4722 ..... 16 p2602 N91-24418 #
KAPL-4728 ..... 21 p3561 N91-29794 #

KBQ-FR-2 ..... 13 p2055 N91-21307* #

KCP-613-4118 ..... 02 p0255 N91-11420 #
KCP-613-4172 ..... 01 p0109 N91-10632 #
KCP-613-4184 ..... 14 p2327 N91-22856 #
KCP-613-4204 ..... 01 p0031 N91-10185 #
KCP-613-4255 ..... 09 p1317 N91-17229 #
KCP-613-4367 ..... 23 p3811 N91-31257 #
KCP-613-4368 ..... 23 p3880 N91-31653 #
KCP-613-4369 ..... 24 p3979 N91-32226 #
KCP-613-4371 ..... 23 p3810 N91-31251 #
KCP-613-4372 ..... 23 p3909 N91-31819 #
KCP-613-4380 ..... 13 p2095 N91-21535 #
KCP-613-4385 ..... 23 p3880 N91-31652 #
KCP-613-4394 ..... 21 p3495 N91-29393 #
KCP-613-4396 ..... 23 p3881 N91-31657 #
KCP-613-4404 ..... 02 p0207 N91-11158 #
KCP-613-4408 ..... 10 p1519 N91-18366 #
KCP-613-4410 ..... 01 p0031 N91-10184 #
KCP-613-4426 ..... 08 p1149 N91-16326 #
KCP-613-4437 ..... 08 p1124 N91-16176 #
KCP-613-4560 ..... 24 p4026 N91-32500 #

KEK-PR-89-2 ..... 02 p0292 N91-11640 #

KEK-89-3 ..... 09 p1419 N91-17813 #

KGC4-M-2 ..... 18 p2937 N91-26196* #

KGG4-TP-1 ..... 09 p1300 N91-17135* #

KGRD-24 ..... 24 p4071 N91-32747 #

KHK-10 ..... 13 p2094 N91-21530* #

KHR-15 ..... 12 p2009 N91-21055* #

KMSF-U-2339 ..... 05 p0721 N91-14026 #
KMSF-U-2375 ..... 06 p0875 N91-14841 #

KNMI-TR-118 ..... 01 p0094 N91-10545
KNMI-TR-119 ..... 01 p0094 N91-10546
KNMI-TR-120 ..... 01 p0093 N91-10540
KNMI-TR-122 ..... 04 p0549 N91-13048
KNMI-TR-123 ..... 05 p0682 N91-13790
KNMI-TR-124 ..... 05 p0690 N91-13840
KNMI-TR-125 ..... 15 p2463 N91-23646
KNMI-TR-126 ..... 14 p2290 N91-22664
KNMI-TR-127 ..... 15 p2469 N91-23678
KNMI-TR-128 ..... 16 p2661 N91-24721
KNMI-TR-129 ..... 23 p3856 N91-31497

KNMI-WR-90-03 ..... 23 p3897 N91-31752
KNMI-WR-90-04 ..... 15 p2471 N91-23688

KNMI-177 ..... 18 p3013 N91-26638

KU-FRL-793-1 ..... 07 p1003 N91-15506* #
KU-FRL-872-2 ..... 10 p1462 N91-18064* #

KURRI-TR-334 ..... 12 p1869 N91-20267 #

K91-21U(R) ..... 21 p3582 N91-29923 #

L-5467 ..... 06 p0833 N91-14602* #
L-16158 ..... 06 p0778 N91-14316* #
L-16491 ..... 10 p1456 N91-18031* #
L-16502-VOL-2 ..... 16 p2550 N91-24132* #
L-16509 ..... 16 p2560 N91-24199* #
L-16521 ..... 09 p1276 N91-17014* #
L-16569 ..... 20 p3281 N91-28143* #
L-16603 ..... 05 p0619 N91-13432* #
L-16614 ..... 05 p0619 N91-13433* #
L-16618 ..... 12 p1852 N91-20177* #
L-16630 ..... 10 p1516 N91-18347* #
L-16705 ..... 06 p0839 N91-14634* #
L-16707 ..... 09 p1271 N91-16990* #
L-16711 ..... 11 p1639 N91-19042* #
L-16714 ..... 03 p0408 N91-12279* #
L-16716 ..... 10 p1457 N91-18033* #
L-16718 ..... 10 p1456 N91-18030* #
L-16720 ..... 05 p0613 N91-13400* #
L-16721 ..... 12 p1827 N91-20043* #
L-16723 ..... 03 p0414 N91-12315* #

L-16726 05 p0674 N91-13750* #
L-16732 12 p1859 N91-20207* #
L-16735 01 p0050 N91-10301* #
L-16741 02 p0155 N91-10902* #
L-16743 05 p0613 N91-13402* #
L-16744 05 p0675 N91-13751* #
L-16746 06 p0835 N91-14618* #
L-16748 02 p0251 N91-11391* #
L-16750 14 p2274 N91-22576* #
L-16751 05 p0613 N91-13401* #
L-16753 10 p1457 N91-18032* #
L-16757 05 p0625 N91-13462* #
L-16758 05 p0627 N91-13473* #
L-16762 06 p0780 N91-14323* #
L-16764 05 p0765 N91-14251* #
L-16765 14 p2191 N91-22103* #
L-16766 10 p1473 N91-18115* #
L-16767 06 p0771 N91-14274* #
L-16768 10 p1470 N91-18105* #
L-16774 16 p2544 N91-24098* #
L-16779 06 p0848 N91-14683* #
L-16784 13 p2011 N91-21059* #
L-16787 05 p0625 N91-13461* #
L-16788 10 p1522 N91-18381* #
L-16790 10 p1484 N91-18180* #
L-16793 05 p0714 N91-13985* #
L-16794 10 p1588 N91-18753* #
L-16795 09 p1296 N91-17114* #
L-16796 14 p2224 N91-22302* #
L-16798 12 p1842 N91-20128* #
L-16801 17 p2737 N91-25151* #
L-16802-VOL-9 10 p1546 N91-18505* #
L-16807 13 p2023 N91-21127* #
L-16808 05 p0635 N91-13522* #
L-16809 07 p0935 N91-15125* #
L-16811 09 p1331 N91-17310* #
L-16812 05 p0768 N91-14265* #
L-16814 01 p0074 N91-10448* #
L-16815 12 p1902 N91-20465* #
L-16816 06 p0771 N91-14275* #
L-16817 05 p0630 N91-13492* #
L-16819 19 p3110 N91-27180* #
L-16821 14 p2259 N91-22495* #
L-16822 12 p1973 N91-20857* #
L-16823 14 p2185 N91-22069* #
L-16825 10 p1468 N91-18096* #
L-16826 12 p1868 N91-20266* #
L-16827 07 p1042 N91-15714* #
L-16828 02 p0186 N91-11041* #
L-16831 08 p1268 N91-16981* #
L-16833 09 p1449 N91-17997* #
L-16840 02 p0161 N91-10936* #
L-16841 10 p1493 N91-18216* #
L-16842 05 p0614 N91-13406* #
L-16844 09 p1450 N91-17998* #
L-16847 19 p3099 N91-27124* #
L-16848 11 p1637 N91-19024* #
L-16849 14 p2185 N91-22070* #
L-16852 13 p2099 N91-21556* #
L-16853 10 p1492 N91-18215* #
L-16854 12 p1910 N91-20503* #
L-16860 10 p1626 N91-18966* #
L-16861 17 p2727 N91-25103* #
L-16862 17 p2848 N91-25741* #
L-16863 19 p3110 N91-27182* #
L-16867 14 p2261 N91-22509* #
L-16873 19 p3099 N91-27120* #
L-16875 08 p1214 N91-16682* #
L-16877 14 p2267 N91-22540* #
L-16878 19 p3102 N91-27140* #
L-16881 14 p2266 N91-22538* #
L-16883 13 p2152 N91-21860* #
L-16892 09 p1450 N91-17999* #
L-16896 17 p2829 N91-25624* #
L-16898 14 p2354 N91-23017* #
L-16903 17 p2918 N91-26107* #
L-16904 19 p3113 N91-27198* #
L-16905 22 p3613 N91-30098* #
L-16919 12 p1845 N91-20143* #
L-16932 24 p4088 N91-32841* #
L-16934 16 p2660 N91-24719* #
L-16936 23 p3791 N91-31143* #
L-44566C 07 p0963 N91-15299* #

LA-SUB-91-1 22 p3658 N91-30361 #

LA-UR-89-1420 12 p1881 N91-20339 #
LA-UR-89-2875 01 p0046 N91-10276 #
LA-UR-90-753 08 p1123 N91-16174 #
LA-UR-90-1125 08 p1151 N91-16342 #
LA-UR-90-1275 08 p1152 N91-16343 #
LA-UR-90-1332 08 p1181 N91-16499 #
LA-UR-90-1338 08 p1108 N91-16085 #
LA-UR-90-1354 08 p1231 N91-16786 #
LA-UR-90-1366 08 p1225 N91-16750 #
LA-UR-90-1402 09 p1409 N91-17751 #
LA-UR-90-1434 08 p1101 N91-16042 #
LA-UR-90-1483 08 p1152 N91-16348 #
LA-UR-90-1523 22 p3623 N91-30157 #
LA-UR-90-1546 08 p1197 N91-16578 #
LA-UR-90-1552 01 p0026 N91-10158 #
LA-UR-90-1603 08 p1109 N91-16090 #
LA-UR-90-1688 08 p1169 N91-16439 #
LA-UR-90-1747 08 p1208 N91-16642 #
LA-UR-90-1809 08 p1109 N91-16091 #
LA-UR-90-1845 02 p0262 N91-11465 #
LA-UR-90-1878 08 p1228 N91-16772 #
LA-UR-90-1921 08 p1148 N91-16323 #
LA-UR-90-2156 06 p0816 N91-14506 #
LA-UR-90-2272 01 p0121 N91-10715 #
LA-UR-90-2389 02 p0291 N91-11633* #
LA-UR-90-2437 01 p0002 N91-10008 #
LA-UR-90-2516 01 p0026 N91-10155 #
LA-UR-90-2538 01 p0063 N91-10382 #
LA-UR-90-2562 02 p0242 N91-11351 #
LA-UR-90-2571 02 p0238 N91-11330 #
LA-UR-90-2577 02 p0262 N91-11466 #
LA-UR-90-2614 01 p0135 N91-10803 #
LA-UR-90-2623 01 p0130 N91-10768 #
LA-UR-90-2631 01 p0142 N91-10836 #
LA-UR-90-2632 01 p0130 N91-10767 #
LA-UR-90-2633 01 p0131 N91-10776 #
LA-UR-90-2637 02 p0284 N91-11601 #
LA-UR-90-2660 01 p0122 N91-10721 #
LA-UR-90-2671 01 p0131 N91-10774 #
LA-UR-90-2677 01 p0028 N91-10165 #
LA-UR-90-2678 01 p0027 N91-10164 #
LA-UR-90-2679 01 p0027 N91-10163 #
LA-UR-90-2699 01 p0030 N91-10176 #
LA-UR-90-2708 01 p0131 N91-10773 #
LA-UR-90-2714 01 p0113 N91-10663 #
LA-UR-90-2744 01 p0113 N91-10662 #
LA-UR-90-2755 01 p0118 N91-10697 #
LA-UR-90-2764 01 p0141 N91-10830 #
LA-UR-90-2792 01 p0130 N91-10771 #
LA-UR-90-2799 01 p0130 N91-10770 #
LA-UR-90-2801 01 p0027 N91-10162 #
LA-UR-90-2809 01 p0047 N91-10280 #
LA-UR-90-2828 02 p0265 N91-11485 #
LA-UR-90-2845 01 p0047 N91-10279 #
LA-UR-90-2847 01 p0130 N91-10769 #
LA-UR-90-2851 01 p0122 N91-10720 #
LA-UR-90-2854 01 p0047 N91-10277 #
LA-UR-90-2864 01 p0125 N91-10740 #
LA-UR-90-2868 01 p0125 N91-10739 #
LA-UR-90-2884 15 p2473 N91-23697 #
LA-UR-90-2887 01 p0047 N91-10282 #
LA-UR-90-2888 01 p0121 N91-10717 #
LA-UR-90-2900 07 p1004 N91-15515 #
LA-UR-90-2903 01 p0139 N91-10817 #
LA-UR-90-2909 01 p0139 N91-10818 #
LA-UR-90-2915 01 p0045 N91-10266 #
LA-UR-90-2932 04 p0528 N91-12927 #
LA-UR-90-2938 04 p0584 N91-13260 #
LA-UR-90-2950 07 p0979 N91-15376 #
LA-UR-90-2968 04 p0546 N91-13030 #
LA-UR-90-2975 04 p0528 N91-12926 #
LA-UR-90-2976 04 p0591 N91-13301 #
LA-UR-90-2980 05 p0673 N91-13743 #
LA-UR-90-2982 07 p1002 N91-15500 #
LA-UR-90-3000 15 p2502 N91-23855 #
LA-UR-90-3046 02 p0208 N91-11162 #
LA-UR-90-3048 02 p0199 N91-11114 #
LA-UR-90-3127 03 p0416 N91-12327 #
LA-UR-90-3129 08 p1153 N91-16351 #
LA-UR-90-3133 03 p0370 N91-12075 #
LA-UR-90-3138 03 p0370 N91-12074 #
LA-UR-90-3160 02 p0199 N91-11115 #
LA-UR-90-3166 08 p1109 N91-16093 #
LA-UR-90-3170 04 p0591 N91-13300 #
LA-UR-90-3210 04 p0581 N91-13237 #
LA-UR-90-3233 04 p0590 N91-13298 #
LA-UR-90-3249 03 p0401 N91-12231 #
LA-UR-90-3268 04 p0590 N91-13297 #
LA-UR-90-3293 02 p0271 N91-11522 #
LA-UR-90-3311 02 p0275 N91-11546 #
LA-UR-90-3317 07 p0975 N91-15352 #
LA-UR-90-3344 02 p0283 N91-11590 #
LA-UR-90-3345 02 p0275 N91-11545 #
LA-UR-90-3347 08 p1114 N91-16122 #
LA-UR-90-3356 03 p0386 N91-12154 #
LA-UR-90-3373 05 p0729 N91-14070 #
LA-UR-90-3380 05 p0645 N91-13582 #
LA-UR-90-3383 15 p2424 N91-23428 #
LA-UR-90-3395 05 p0768 N91-14264 #
LA-UR-90-3408 06 p0879 N91-14856 #
LA-UR-90-3413 05 p0644 N91-13573 #
LA-UR-90-3440 05 p0653 N91-13626 #
LA-UR-90-3441 05 p0715 N91-13988 #
LA-UR-90-3455 11 p1712 N91-19428 #
LA-UR-90-3456 06 p0875 N91-14838 #
LA-UR-90-3457 05 p0719 N91-14015 #

LA-UR-90-3461	05	p0769	N91-14270	#
LA-UR-90-3503	05	p0767	N91-14258	#
LA-UR-90-3511	05	p0719	N91-14010	#
LA-UR-90-3512	05	p0718	N91-14009	#
LA-UR-90-3516	05	p0718	N91-14008	#
LA-UR-90-3534	05	p0719	N91-14014	#
LA-UR-90-3535	06	p0790	N91-14370	#
LA-UR-90-3541	06	p0858	N91-14739	#
LA-UR-90-3544	05	p0630	N91-13490	#
LA-UR-90-3562	07	p1036	N91-15681	#
LA-UR-90-3564	05	p0666	N91-13701	#
LA-UR-90-3568	05	p0652	N91-13624	#
LA-UR-90-3576	05	p0652	N91-13620	#
LA-UR-90-3581	05	p0662	N91-13682	#
LA-UR-90-3589	05	p0719	N91-14011	#
LA-UR-90-3595	05	p0654	N91-13631	#
LA-UR-90-3596	05	p0666	N91-13702	#
LA-UR-90-3634	07	p1035	N91-15680	#
LA-UR-90-3641	05	p0666	N91-13700	#
LA-UR-90-3664	05	p0710	N91-13957	#
LA-UR-90-3702	05	p0728	N91-14069	#
LA-UR-90-3705	07	p1083	N91-15959	#
LA-UR-90-3721	07	p1002	N91-15503	#
LA-UR-90-3733	10	p1563	N91-18600	#
LA-UR-90-3782	18	p2986	N91-26484	#
LA-UR-90-3784	09	p1375	N91-17555	#
LA-UR-90-3788	08	p1154	N91-16357	#
LA-UR-90-3819	08	p1142	N91-16288	#
LA-UR-90-3859	11	p1797	N91-19860	#
LA-UR-90-3877	08	p1229	N91-16777	#
LA-UR-90-3898	07	p0987	N91-15419	#
LA-UR-90-3907	09	p1341	N91-17366	#
LA-UR-90-3915	09	p1388	N91-17636	#
LA-UR-90-3920	08	p1266	N91-16968	#
LA-UR-90-3964	08	p1229	N91-16778	#
LA-UR-90-3968	10	p1555	N91-18550*	#
LA-UR-90-3979	07	p1073	N91-15907	#
LA-UR-90-4000	07	p0981	N91-15383	#
LA-UR-90-4022	09	p1383	N91-17607	#
LA-UR-90-4023	07	p0981	N91-15384	#
LA-UR-90-4041	09	p1395	N91-17674	#
LA-UR-90-4048	07	p1073	N91-15908	#
LA-UR-90-4068	10	p1525	N91-18400	#
LA-UR-90-4069	07	p1074	N91-15909	#
LA-UR-90-4157	10	p1605	N91-18853	#
LA-UR-90-4168	15	p2483	N91-23742	#
LA-UR-90-4208	10	p1606	N91-18861	#
LA-UR-90-4214	09	p1391	N91-17656	#
LA-UR-90-4223	10	p1604	N91-18852	#
LA-UR-90-4264	09	p1427	N91-17858	#
LA-UR-90-4266	09	p1313	N91-17205	#
LA-UR-90-4292	09	p1414	N91-17783	#
LA-UR-90-4299	10	p1462	N91-18061	#
LA-UR-90-4318	09	p1343	N91-17379	#
LA-UR-90-4323	10	p1594	N91-18796	#
LA-UR-90-4336	10	p1500	N91-18257	#
LA-UR-90-4359	10	p1605	N91-18854	#
LA-UR-90-4364	10	p1586	N91-18743	#
LA-UR-90-4365	10	p1611	N91-18888	#
LA-UR-90-4370	19	p3257	N91-28015	#
LA-UR-90-4391	10	p1601	N91-18832	#
LA-UR-90-4409	09	p1391	N91-17655	#
LA-UR-90-4418	09	p1343	N91-17374	#
LA-UR-90-4433	09	p1426	N91-17849	#
LA-UR-90-4436	09	p1426	N91-17848	#
LA-UR-90-4437	09	p1450	N91-18002	#
LA-UR-91-7	11	p1710	N91-19419	#
LA-UR-91-16	11	p1737	N91-19552	#
LA-UR-91-19	11	p1680	N91-19257	#
LA-UR-91-23	10	p1603	N91-18845	#
LA-UR-91-92	11	p1722	N91-19480	#
LA-UR-91-103	10	p1603	N91-18846	#
LA-UR-91-109	10	p1516	N91-18345	#
LA-UR-91-124	11	p1803	N91-19899	#
LA-UR-91-126	15	p2489	N91-23784	#
LA-UR-91-147	12	p1867	N91-20258	#
LA-UR-91-177	10	p1530	N91-18428	#
LA-UR-91-203	10	p1530	N91-18429	#
LA-UR-91-220	10	p1624	N91-18958	#
LA-UR-91-226	15	p2411	N91-23351	#
LA-UR-91-237	10	p1625	N91-18964	#
LA-UR-91-256	10	p1530	N91-18430	#
LA-UR-91-273	10	p1586	N91-18742	#
LA-UR-91-276	11	p1808	N91-19928	#
LA-UR-91-324	19	p3257	N91-28016	#
LA-UR-91-325	19	p3217	N91-27782	#
LA-UR-91-341	10	p1531	N91-18431	#
LA-UR-91-362	10	p1527	N91-18410	#
LA-UR-91-363	10	p1531	N91-18432	#
LA-UR-91-373	11	p1694	N91-19333	#
LA-UR-91-397	11	p1708	N91-19405	#
LA-UR-91-409	12	p1867	N91-20259	#
LA-UR-91-437	12	p1979	N91-20890	#
LA-UR-91-468	13	p2149	N91-21841	#
LA-UR-91-477	21	p3564	N91-29812	#
LA-UR-91-498	19	p3162	N91-27485	#
LA-UR-91-510	13	p2049	N91-21275	#
LA-UR-91-532	13	p2152	N91-21865	#
LA-UR-91-533	20	p3333	N91-28457	#
LA-UR-91-556	14	p2291	N91-22671	#
LA-UR-91-567	12	p1992	N91-20966	#
LA-UR-91-589	13	p2081	N91-21462	#
LA-UR-91-607	19	p3243	N91-27938	#
LA-UR-91-610	13	p2051	N91-21288	#
LA-UR-91-657	19	p3218	N91-27783	#
LA-UR-91-678	13	p2105	N91-21585	#
LA-UR-91-728	12	p1906	N91-20486	#
LA-UR-91-732	15	p2472	N91-23695	#
LA-UR-91-829	14	p2300	N91-22711	#
LA-UR-91-847	15	p2460	N91-23630	#
LA-UR-91-854	14	p2244	N91-22415	#
LA-UR-91-863	14	p2326	N91-22849	#
LA-UR-91-884	15	p2405	N91-23315	#
LA-UR-91-887	15	p2516	N91-23942	#
LA-UR-91-892	15	p2401	N91-23296	#
LA-UR-91-893	14	p2336	N91-22917	#
LA-UR-91-896	15	p2482	N91-23740	#
LA-UR-91-902	14	p2270	N91-22560	#
LA-UR-91-903	14	p2310	N91-22765	#
LA-UR-91-905	14	p2298	N91-22702	#
LA-UR-91-941	23	p3884	N91-31672	#
LA-UR-91-964	15	p2516	N91-23943	#
LA-UR-91-985	14	p2269	N91-22556	#
LA-UR-91-0911	14	p2258	N91-22493	#
LA-UR-91-1004	19	p3173	N91-27544	#
LA-UR-91-1013	14	p2336	N91-22918	#
LA-UR-91-1043	15	p2516	N91-23944	#
LA-UR-91-1077	18	p2992	N91-26522	#
LA-UR-91-1117	20	p3286	N91-28173	#
LA-UR-91-1123	24	p4102	N91-32921	#
LA-UR-91-1131	17	p2757	N91-25264	#
LA-UR-91-1172	17	p2861	N91-25824	#
LA-UR-91-1196	18	p2997	N91-26554	#
LA-UR-91-1204	19	p3240	N91-27921	#
LA-UR-91-1251	19	p3265	N91-28058	#
LA-UR-91-1257	17	p2778	N91-25376	#
LA-UR-91-1267	18	p2991	N91-26515	#
LA-UR-91-1275	18	p2952	N91-26292	#
LA-UR-91-1286	20	p3424	N91-28990	#
LA-UR-91-1287	18	p3062	N91-26915	#
LA-UR-91-1320	19	p3264	N91-28054	#
LA-UR-91-1329	20	p3424	N91-28991	#
LA-UR-91-1381	17	p2873	N91-25894	#
LA-UR-91-1413	17	p2862	N91-25829	#
LA-UR-91-1425	17	p2771	N91-25332	#
LA-UR-91-1439	21	p3580	N91-29915	#
LA-UR-91-1444	20	p3339	N91-28492	#
LA-UR-91-1448	20	p3401	N91-28849	#
LA-UR-91-1451	20	p3351	N91-28558	#
LA-UR-91-1458	20	p3338	N91-28488	#
LA-UR-91-1461	20	p3338	N91-28486	#
LA-UR-91-1462	20	p3392	N91-28799	#
LA-UR-91-1483	20	p3336	N91-28474	#
LA-UR-91-1487	20	p3430	N91-29029	#
LA-UR-91-1488	20	p3430	N91-29028	#
LA-UR-91-1490	20	p3319	N91-28376	#
LA-UR-91-1495	20	p3352	N91-28563	#
LA-UR-91-1500	20	p3352	N91-28566	#
LA-UR-91-1512	21	p3602	N91-30043	#
LA-UR-91-1517	20	p3430	N91-29025	#
LA-UR-91-1522	20	p3352	N91-28564	#
LA-UR-91-1523	21	p3522	N91-29560	#
LA-UR-91-1524	20	p3404	N91-28871	#
LA-UR-91-1526	20	p3350	N91-28556	#
LA-UR-91-1527	20	p3287	N91-28177	#
LA-UR-91-1530	20	p3362	N91-28624	#
LA-UR-91-1535	20	p3352	N91-28565	#
LA-UR-91-1536	20	p3433	N91-29046	#
LA-UR-91-1538	20	p3318	N91-28366	#
LA-UR-91-1545	20	p3431	N91-29033	#
LA-UR-91-1559	20	p3326	N91-28415	#
LA-UR-91-1560	20	p3325	N91-28414	#
LA-UR-91-1587	20	p3360	N91-28613	#
LA-UR-91-1595	21	p3462	N91-29200	#
LA-UR-91-1612	20	p3330	N91-28443	#
LA-UR-91-1614	20	p3287	N91-28174	#
LA-UR-91-1636	20	p3349	N91-28545	#
LA-UR-91-1637	20	p3435	N91-29055	#
LA-UR-91-1638	20	p3310	N91-28324	#
LA-UR-91-1642	20	p3304	N91-28288	#
LA-UR-91-1648	20	p3361	N91-28617	#
LA-UR-91-1652	23	p3814	N91-31275	#
LA-UR-91-1654	21	p3518	N91-29538	#
LA-UR-91-1666	20	p3310	N91-28325	#
LA-UR-91-1680	20	p3431	N91-29035	#
LA-UR-91-1684	20	p3403	N91-28861	#
LA-UR-91-1685	20	p3431	N91-29034	#
LA-UR-91-1687	20	p3363	N91-28632	#
LA-UR-91-1693	20	p3362	N91-28625	#
LA-UR-91-1707	20	p3378	N91-28714	#
LA-UR-91-1708	20	p3369	N91-28661	#
LA-UR-91-1714	20	p3402	N91-28855	#

LA-UR-91-1716 ..... 20 p3343 N91-28513 #
LA-UR-91-1722 ..... 23 p3916 N91-31869 #
LA-UR-91-1723 ..... 23 p3814 N91-31276 #
LA-UR-91-1730 ..... 20 p3326 N91-28420 #
LA-UR-91-1733 ..... 22 p3643 N91-30273 #
LA-UR-91-1734 ..... 20 p3428 N91-29015 #
LA-UR-91-1758 ..... 20 p3429 N91-29023 #
LA-UR-91-1777 ..... 23 p3884 N91-31673 #
LA-UR-91-1789 ..... 20 p3361 N91-28621 #
LA-UR-91-1801 ..... 20 p3333 N91-28456 #
LA-UR-91-1820 ..... 20 p3361 N91-28618 #
LA-UR-91-1837 ..... 22 p3754 N91-30927 #
LA-UR-91-1840 ..... 20 p3422 N91-28975 #
LA-UR-91-1892 ..... 20 p3326 N91-28419 #
LA-UR-91-1895 ..... 20 p3435 N91-29058 #
LA-UR-91-1911 ..... 21 p3522 N91-29563 #
LA-UR-91-1919 ..... 21 p3593 N91-29986 #
LA-UR-91-1924 ..... 21 p3509 N91-29480 #
LA-UR-91-1944 ..... 20 p3364 N91-28637 #
LA-UR-91-1946 ..... 21 p3587 N91-29955 #
LA-UR-91-1954 ..... 21 p3485 N91-29334 #
LA-UR-91-1964 ..... 20 p3364 N91-28636 #
LA-UR-91-1973 ..... 21 p3519 N91-29542 #
LA-UR-91-1976 ..... 21 p3533 N91-29632 #
LA-UR-91-1980 ..... 20 p3423 N91-28983 #
LA-UR-91-1983 ..... 21 p3587 N91-29954 #
LA-UR-91-1992 ..... 21 p3587 N91-29953 #
LA-UR-91-1993 ..... 21 p3513 N91-29505 #
LA-UR-91-1994 ..... 20 p3364 N91-28635 #
LA-UR-91-1995 ..... 21 p3476 N91-29281 #
LA-UR-91-2001 ..... 20 p3287 N91-28179 #
LA-UR-91-2003 ..... 20 p3346 N91-28528 #
LA-UR-91-2007 ..... 21 p3587 N91-29952 #
LA-UR-91-2014 ..... 21 p3508 N91-29477 #
LA-UR-91-2020 ..... 21 p3518 N91-29540 #
LA-UR-91-2030 ..... 20 p3433 N91-29045 #
LA-UR-91-2034 ..... 20 p3434 N91-29050 #
LA-UR-91-2041 ..... 20 p3364 N91-28634 #
LA-UR-91-2049 ..... 20 p3340 N91-28499 #
LA-UR-91-2050 ..... 21 p3503 N91-29443 #
LA-UR-91-2052 ..... 21 p3522 N91-29562 #
LA-UR-91-2054 ..... 21 p3587 N91-29951 #
LA-UR-91-2058 ..... 20 p3364 N91-28633 #
LA-UR-91-2074 ..... 21 p3602 N91-30040 #
LA-UR-91-2081 ..... 23 p3925 N91-31933 #
LA-UR-91-2096 ..... 21 p3600 N91-30032 #
LA-UR-91-2100 ..... 20 p3380 N91-28725 #
LA-UR-91-2103 ..... 20 p3331 N91-28448 #
LA-UR-91-2119 ..... 23 p3925 N91-31932 #
LA-UR-91-2120 ..... 23 p3933 N91-31979 #
LA-UR-91-2129 ..... 23 p3874 N91-31610 #
LA-UR-91-2144 ..... 23 p3873 N91-31602 #
LA-UR-91-2170 ..... 23 p3879 N91-31640 #
LA-UR-91-2196 ..... 24 p4099 N91-32905 #
LA-UR-91-2242 ..... 24 p4105 N91-32938 #
LA-UR-91-2248 ..... 23 p3878 N91-31639 #
LA-UR-91-2257 ..... 24 p4097 N91-32892 #
LA-UR-91-2259 ..... 23 p3816 N91-31287 #
LA-UR-91-2267 ..... 24 p4124 N91-33049 #
LA-UR-91-2295 ..... 23 p3803 N91-31211 #
LA-UR-91-2314 ..... 23 p3926 N91-31940 #
LA-UR-91-2317 ..... 23 p3927 N91-31945 #
LA-UR-91-2330 ..... 24 p4016 N91-32452 #
LA-UR-91-2338 ..... 24 p4040 N91-32573 #
LA-UR-91-2342 ..... 23 p3929 N91-31958 #
LA-UR-91-2346 ..... 23 p3929 N91-31955 #
LA-UR-91-2377 ..... 23 p3890 N91-31711 #
LA-UR-91-2381 ..... 24 p4108 N91-32961 #
LA-UR-91-2383 ..... 24 p4022 N91-32479 #
LA-UR-91-2386 ..... 23 p3918 N91-31886 #
LA-UR-91-2389 ..... 23 p3811 N91-31259 #
LA-UR-91-2390 ..... 23 p3890 N91-31710 #
LA-UR-91-2400 ..... 24 p4108 N91-32959 #
LA-UR-91-2407 ..... 24 p4099 N91-32904 #
LA-UR-91-2417 ..... 24 p3976 N91-32208 #
LA-UR-91-2422 ..... 24 p4006 N91-32397 #
LA-UR-91-2431 ..... 24 p4007 N91-32407 #
LA-UR-91-2440 ..... 23 p3909 N91-31818 #
LA-UR-91-2441 ..... 24 p4092 N91-32863 #
LA-UR-91-2443 ..... 24 p4095 N91-32878 #
LA-UR-91-2462 ..... 24 p4022 N91-32478 #
LA-UR-91-2495 ..... 24 p4022 N91-32480 #
LA-UR-91-2498 ..... 24 p4105 N91-32937 #
LA-UR-91-2509 ..... 24 p4104 N91-32936 #
LA-UR-91-2535 ..... 24 p3972 N91-32189 #
LA-UR-91-2538 ..... 24 p4025 N91-32492 #
LA-UR-91-2540 ..... 24 p4095 N91-32882 #
LA-UR-91-2541 ..... 23 p3887 N91-31694 #
LA-UR-91-2549 ..... 24 p4023 N91-32484 #
LA-UR-91-2561 ..... 24 p4041 N91-32582 #
LA-UR-91-2564 ..... 24 p4098 N91-32900 #
LA-UR-91-2589 ..... 24 p4024 N91-32491 #
LA-UR-91-2704 ..... 24 p4091 N91-32856 #
LA-UR-91-2705 ..... 24 p4091 N91-32855 #
LA-UR-91-2747 ..... 24 p4107 N91-32953 #
LA-UR-91-2754 ..... 24 p4025 N91-32493 #
LA-UR-91-2762 ..... 24 p4043 N91-32590 #
LA-UR-91-2827 ..... 24 p4099 N91-32901 #
LA-UR-91-2846 ..... 24 p4101 N91-32912 #

LA-11625-MS ..... 08 p1220 N91-16716 #
LA-11641-MS ..... 08 p1138 N91-16263 #
LA-11692-MS-VOL-1 ..... 01 p0041 N91-10239 #
LA-11692-MS-VOL-2 ..... 08 p1141 N91-16283 #
LA-11692-MS-VOL-3 ..... 01 p0041 N91-10242 #
LA-11692-MS-VOL-4 ..... 01 p0041 N91-10240 #
LA-11692-MS-VOL-5 ..... 01 p0041 N91-10241 #
LA-11692-MS-VOL-7 ..... 01 p0041 N91-10244 #
LA-11692-MS-VOL-8 ..... 01 p0041 N91-10243 #
LA-11706-MS ..... 01 p0131 N91-10777 #
LA-11742-MS ..... 11 p1797 N91-19858 #
LA-11781-MS ..... 13 p2145 N91-21812 #
LA-11799-MS ..... 05 p0648 N91-13597 #
LA-11806-MS ..... 10 p1535 N91-18449 #
LA-11808-C ..... 08 p1226 N91-16755 #
LA-11813-MS ..... 08 p1136 N91-16255 #
LA-11816-MS ..... 05 p0659 N91-13662 #
LA-11822-MS ..... 20 p3394 N91-28809 #
LA-11825-MS ..... 13 p2145 N91-21817 #
LA-11826-MS ..... 04 p0530 N91-12941 #
LA-11829-MS ..... 13 p2146 N91-21818 #
LA-11830-MS ..... 13 p2145 N91-21816 #
LA-11847-MS ..... 13 p2041 N91-21226 #
LA-11858-MS ..... 18 p3055 N91-26871 #
LA-11859-MS ..... 13 p2145 N91-21813 #
LA-11861-MS ..... 17 p2741 N91-25169 #
LA-11870-MS ..... 12 p1974 N91-20859 #
LA-11879-MS ..... 17 p2740 N91-25166 #
LA-11882-MS ..... 02 p0293 N91-11646 #
LA-11884-MS ..... 02 p0194 N91-11085 #
LA-11888-MS ..... 14 p2321 N91-22822 #
LA-11895-MS ..... 03 p0380 N91-12123 #
LA-11898-MS ..... 15 p2411 N91-23350 #
LA-11900-MS ..... 05 p0669 N91-13720 #
LA-11903-MS ..... 01 p0032 N91-10187 #
LA-11904-MS ..... 17 p2823 N91-25599 #
LA-11915-MS ..... 02 p0268 N91-11502 #
LA-11916-MS ..... 05 p0677 N91-13764 #
LA-11918-MS ..... 06 p0813 N91-14490 #
LA-11919-MS ..... 13 p2145 N91-21814 #
LA-11920-MS ..... 12 p1974 N91-20858 #
LA-11938-MS ..... 17 p2887 N91-25962 #
LA-11943-MS ..... 12 p1915 N91-20534 #
LA-11956-MS ..... 06 p0819 N91-14526 #
LA-11966-M ..... 14 p2310 N91-22764 #
LA-11990-C ..... 19 p3217 N91-27779 #
LA-11993-MS ..... 10 p1506 N91-18291 #
LA-12003-MS ..... 09 p1419 N91-17810 #
LA-12008-MS ..... 23 p3925 N91-31929 #
LA-12013-MS ..... 13 p2146 N91-21819 #
LA-12017-MS ..... 11 p1818 N91-19986 #
LA-12018-MS ..... 21 p3525 N91-29579 #
LA-12024-MS ..... 20 p3357 N91-28593 #
LA-12029 ..... 13 p2152 N91-21862 #
LA-12057-MS ..... 17 p2888 N91-25968 #
LA-12059-MS ..... 21 p3570 N91-29851 #
LA-12062-MS ..... 17 p2847 N91-25737 #
LA-12068-MS ..... 20 p3361 N91-28620 #
LA-12069-MS ..... 20 p3394 N91-28810 #
LA-12075-MS ..... 17 p2860 N91-25816 #
LA-12076-MS ..... 17 p2770 N91-25330 #
LA-12091-MS ..... 20 p3334 N91-28464 #
LA-12102 ..... 23 p3803 N91-31210 #
LA-12120-MS ..... 20 p3329 N91-28436 #
LA-12128-C ..... 23 p3855 N91-31491 #
LA-12146-C ..... 24 p4097 N91-32891 #
LA-12151-MS ..... 23 p3852 N91-31477 #
LA-12152-MS ..... 23 p3887 N91-31690 #

LAAS-89-395 ..... 23 p3882 N91-31662 #
LAAS-90041 ..... 02 p0217 N91-11215 #
LAAS-90113 ..... 06 p0864 N91-14774 #
LAAS-90143 ..... 06 p0864 N91-14775 #
LAAS-90144 ..... 06 p0829 N91-14582 #
LAAS-90146 ..... 05 p0671 N91-13728 #
LAAS-90160 ..... 05 p0653 N91-13628 #
LAAS-90192 ..... 05 p0698 N91-13889 #
LAAS-90215 ..... 08 p1130 N91-16214 #
LAAS-90237 ..... 05 p0653 N91-13629 #
LAAS-90256 ..... 08 p1205 N91-16629 #
LAAS-90277 ..... 05 p0667 N91-13708 #
LAAS-90286 ..... 10 p1596 N91-18806 #
LAAS-90306 ..... 08 p1136 N91-16252 #
LAAS-90344 ..... 10 p1576 N91-18672 #
LAAS-90353 ..... 10 p1578 N91-18686 #
LAAS-90354 ..... 08 p1212 N91-16670 #
LAAS-90355 ..... 08 p1208 N91-16645 #
LAAS-90371 ..... 12 p1968 N91-20829 #
LAAS-90390 ..... 15 p2480 N91-23727 #
LAAS-90399 ..... 12 p1958 N91-20774 #
LAAS-90401 ..... 12 p1967 N91-20828 #
LAAS-90403 ..... 15 p2440 N91-23516 #

LAAS-90404 ..... 12 p1991 N91-20961 #
LAAS-91002 ..... 15 p2474 N91-23705 #
LAAS-91047 ..... 23 p3860 N91-31524 #
LAAS-91048 ..... 22 p3755 N91-30933 #
LAAS-91135 ..... 23 p3918 N91-31882 #

LAC90-R24 ..... 20 p3391 N91-28788* #

LAIR-455 ..... 16 p2632 N91-24568 #

LAMP-90/1 ..... 16 p2630 N91-24564 #
LAMP-90/2 ..... 16 p2691 N91-24897 #
LAMP-90/4 ..... 16 p2684 N91-24860 #
LAMP-90/5 ..... 16 p2684 N91-24862 #
LAMP-90/6 ..... 16 p2684 N91-24861 #
LAMP-90/7 ..... 16 p2683 N91-24858 #

LAO-2732-1946 ..... 17 p2767 N91-25315 #

LARS-CR-012391 ..... 09 p1354 N91-17438* #

LBL-PUB-3083 ..... 14 p2283 N91-22626 #

LBL-90-REV-11/90 ..... 15 p2502 N91-23856 #
LBL-24725-PT-1 ..... 06 p0884 N91-14887 #
LBL-25619-PT-2 ..... 05 p0729 N91-14073 #
LBL-27358 ..... 01 p0133 N91-10783 #
LBL-27591 ..... 07 p1081 N91-15949 #
LBL-27596 ..... 08 p1118 N91-16142 #
LBL-27900 ..... 07 p1022 N91-15609 #
LBL-28064 ..... 09 p1303 N91-17150 #
LBL-28270 ..... 21 p3526 N91-29584 #
LBL-28303 ..... 11 p1809 N91-19934 #
LBL-28363 ..... 20 p3440 N91-29091 #
LBL-28449 ..... 09 p1306 N91-17166 #
LBL-28515 ..... 01 p0038 N91-10223 #
LBL-28574 ..... 08 p1191 N91-16546 #
LBL-28585 ..... 07 p1081 N91-15948 #
LBL-28606 ..... 08 p1114 N91-16119 #
LBL-28625 ..... 07 p1034 N91-15670 #
LBL-28653 ..... 10 p1606 N91-18860 #
LBL-28669 ..... 14 p2330 N91-22871 #
LBL-28685 ..... 13 p2052 N91-21291 #
LBL-28691 ..... 10 p1604 N91-18850 #
LBL-28702 ..... 01 p0034 N91-10203 #
LBL-28713-ABS ..... 21 p3472 N91-29256 #
LBL-28722-ABS ..... 09 p1306 N91-17165 #
LBL-28729 ..... 14 p2327 N91-22858 #
LBL-28737-REV ..... 16 p2652 N91-24676 #
LBL-28788-EXTD-ABST ..... 12 p1985 N91-20923 #
LBL-28820 ..... 05 p0714 N91-13982 #
LBL-28836 ..... 08 p1132 N91-16228 #
LBL-28841 ..... 05 p0728 N91-14068 #
LBL-28878 ..... 20 p3371 N91-28677 #
LBL-28883 ..... 10 p1610 N91-18886 #
LBL-28889 ..... 20 p3425 N91-28998 #
LBL-28890 ..... 20 p3427 N91-29007 #
LBL-28891 ..... 18 p2981 N91-26464 #
LBL-28892 ..... 18 p3073 N91-26981 #
LBL-28904 ..... 08 p1148 N91-16322 #
LBL-28924 ..... 08 p1222 N91-16735 #
LBL-28950 ..... 08 p1233 N91-16797 #
LBL-28989 ..... 09 p1339 N91-17355 #
LBL-28990 ..... 09 p1411 N91-17767 #
LBL-28991 ..... 18 p3071 N91-26973 #
LBL-28992 ..... 10 p1526 N91-18404 #
LBL-28993 ..... 01 p0131 N91-10775 #
LBL-29017 ..... 10 p1531 N91-18434 #
LBL-29018 ..... 09 p1315 N91-17220 #
LBL-29078 ..... 02 p0205 N91-11149 #
LBL-29138 ..... 01 p0030 N91-10177 #
LBL-29183 ..... 07 p0998 N91-15482 #
LBL-29185 ..... 03 p0341 N91-11914 #
LBL-29192 ..... 07 p1071 N91-15894 #
LBL-29206 ..... 01 p0022 N91-10129 #
LBL-29216 ..... 24 p4108 N91-32958 #
LBL-29224 ..... 24 p4042 N91-32586 #
LBL-29232 ..... 14 p2270 N91-22558 #
LBL-29258 ..... 02 p0282 N91-11585 #
LBL-29270 ..... 17 p2874 N91-25896 #
LBL-29272 ..... 20 p3432 N91-29038 #
LBL-29301 ..... 03 p0401 N91-12232 #
LBL-29311 ..... 02 p0199 N91-11113 #
LBL-29312 ..... 02 p0207 N91-11161 #
LBL-29313 ..... 18 p3075 N91-26992 #
LBL-29322 ..... 07 p1073 N91-15905 #
LBL-29345 ..... 15 p2514 N91-23935 #
LBL-29355 ..... 10 p1498 N91-18245 #
LBL-29385 ..... 07 p1034 N91-15671 #
LBL-29395 ..... 18 p2956 N91-26311 #
LBL-29415 ..... 23 p3939 N91-32016 #
LBL-29441 ..... 10 p1559 N91-18572 #
LBL-29470 ..... 11 p1812 N91-19951 #
LBL-29473 ..... 06 p0807 N91-14456 #
LBL-29477 ..... 05 p0727 N91-14060 #
LBL-29492 ..... 10 p1538 N91-18463 #

LBL-29502 ..... 15 p2506 N91-23882 #
LBL-29518 ..... 17 p2888 N91-25970 #
LBL-29522 ..... 18 p3072 N91-26974 #
LBL-29546 ..... 18 p3075 N91-26991 #
LBL-29573 ..... 07 p1075 N91-15916 #
LBL-29588 ..... 20 p3429 N91-29021 #
LBL-29589 ..... 11 p1809 N91-19933 #
LBL-29592 ..... 20 p3426 N91-29006 #
LBL-29594 ..... 21 p3550 N91-29723 #
LBL-29611 ..... 10 p1535 N91-18453 #
LBL-29614 ..... 13 p2105 N91-21586 #
LBL-29641 ..... 10 p1611 N91-18887 #
LBL-29643 ..... 08 p1119 N91-16149 #
LBL-29644 ..... 11 p1797 N91-19861 #
LBL-29665 ..... 06 p0806 N91-14449 #
LBL-29666 ..... 06 p0804 N91-14439 #
LBL-29687 ..... 09 p1411 N91-17768 #
LBL-29696 ..... 17 p2770 N91-25327 #
LBL-29697 ..... 17 p2757 N91-25256 #
LBL-29702 ..... 18 p3001 N91-26571 #
LBL-29705 ..... 16 p2602 N91-24422 #
LBL-29710 ..... 10 p1524 N91-18388 #
LBL-29716 ..... 08 p1154 N91-16358 #
LBL-29720 ..... 11 p1711 N91-19423 #
LBL-29724 ..... 11 p1711 N91-19425 #
LBL-29735 ..... 20 p3309 N91-28315 #
LBL-29736 ..... 10 p1604 N91-18849 #
LBL-29769 ..... 10 p1494 N91-18225 #
LBL-29792 ..... 07 p1039 N91-15697 #
LBL-29794 ..... 20 p3425 N91-28997 #
LBL-29829 ..... 15 p2417 N91-23384 #
LBL-29837 ..... 11 p1808 N91-19931 #
LBL-29843 ..... 13 p2159 N91-21907 #
LBL-29844 ..... 11 p1808 N91-19930 #
LBL-29853 ..... 10 p1531 N91-18433 #
LBL-29862 ..... 18 p3073 N91-26985 #
LBL-29883 ..... 13 p2160 N91-21913 #
LBL-29888 ..... 13 p2159 N91-21906 #
LBL-29914 ..... 20 p3422 N91-28979 #
LBL-29924 ..... 13 p2053 N91-21297 #
LBL-29925 ..... 15 p2483 N91-23741 #
LBL-29938 ..... 20 p3308 N91-28308 #
LBL-29956 ..... 11 p1711 N91-19426 #
LBL-29957 ..... 13 p2091 N91-21508 #
LBL-29960 ..... 13 p2052 N91-21290 #
LBL-29967 ..... 23 p3852 N91-31473 #
LBL-29981 ..... 10 p1516 N91-18346 #
LBL-29990 ..... 20 p3434 N91-29054 #
LBL-29992 ..... 10 p1616 N91-18913 #
LBL-29994 ..... 20 p3323 N91-28399 #
LBL-30021 ..... 21 p3473 N91-29259 #
LBL-30022 ..... 20 p3448 N91-29133 #
LBL-30024 ..... 20 p3379 N91-28720 #
LBL-30025 ..... 20 p3379 N91-28721 #
LBL-30029 ..... 24 p4100 N91-32909 #
LBL-30050 ..... 20 p3345 N91-28527 #
LBL-30056 ..... 15 p2482 N91-23737 #
LBL-30057 ..... 15 p2431 N91-23464 #
LBL-30074 ..... 22 p3753 N91-30919 #
LBL-30077 ..... 15 p2473 N91-23698 #
LBL-30095 ..... 14 p2261 N91-22507 #
LBL-30110 ..... 13 p2168 N91-21968 #
LBL-30129 ..... 13 p2149 N91-21844 #
LBL-30136 ..... 18 p3021 N91-26681 #
LBL-30170 ..... 14 p2247 N91-22434 #
LBL-30220 ..... 14 p2252 N91-22459 #
LBL-30222 ..... 13 p2076 N91-21436 #
LBL-30254 ..... 15 p2402 N91-23300 #
LBL-30277 ..... 17 p2872 N91-25884 #
LBL-30291 ..... 18 p3060 N91-26904 #
LBL-30292 ..... 12 p1920 N91-20562 #
LBL-30322-REV ..... 20 p3336 N91-28476 #
LBL-30365 ..... 20 p3426 N91-29002 #
LBL-30403 ..... 20 p3424 N91-28993 #
LBL-30411 ..... 20 p3382 N91-28737 #
LBL-30412 ..... 20 p3386 N91-28763 #
LBL-30421 ..... 20 p3314 N91-28345 #
LBL-30425 ..... 20 p3437 N91-29073 #
LBL-30435 ..... 21 p3591 N91-29974 #
LBL-30436-ABS ..... 21 p3573 N91-29868 #
LBL-30474 ..... 20 p3303 N91-28281 #
LBL-30487 ..... 17 p2778 N91-25378 #
LBL-30497 ..... 20 p3331 N91-28450 #
LBL-30512 ..... 20 p3387 N91-28768 #
LBL-30520 ..... 23 p3816 N91-31288 #
LBL-30541 ..... 17 p2868 N91-25865 #
LBL-30549 ..... 20 p3349 N91-28548 #
LBL-30563 ..... 23 p3932 N91-31974 #
LBL-30573 ..... 20 p3424 N91-28992 #
LBL-30582 ..... 20 p3400 N91-28844 #
LBL-30590 ..... 18 p3084 N91-27050 #
LBL-30591 ..... 18 p3084 N91-27051 #
LBL-30605 ..... 20 p3358 N91-28603 #
LBL-30618 ..... 20 p3403 N91-28862 #
LBL-30634 ..... 24 p4093 N91-32866 #
LBL-30641 ..... 20 p3430 N91-29030 #

LBL-30646 ..... 20 p3340 N91-28498 #
LBL-30655 ..... 21 p3473 N91-29264 #
LBL-30676 ..... 20 p3436 N91-29062 #
LBL-30677 ..... 23 p3928 N91-31948 #
LBL-30680 ..... 20 p3379 N91-28722 #
LBL-30682 ..... 24 p4072 N91-32749 #
LBL-30685 ..... 20 p3386 N91-28759 #
LBL-30694 ..... 21 p3601 N91-30038 #
LBL-30696 ..... 24 p4007 N91-32404 #
LBL-30705 ..... 20 p3393 N91-28807 #
LBL-30726 ..... 20 p3446 N91-29125 #
LBL-30773 ..... 21 p3463 N91-29204 #
LBL-30785 ..... 21 p3503 N91-29444 #
LBL-30801 ..... 24 p4095 N91-32880 #
LBL-30832 ..... 24 p3976 N91-32210 #
LBL-30861 ..... 21 p3477 N91-29286 #
LBL-30878 ..... 23 p3939 N91-32018 #
LBL-30889 ..... 24 p4087 N91-32835 #
LBL-30890 ..... 24 p4113 N91-32992 #
LBL-30899 ..... 23 p3810 N91-31254 #
LBL-30901 ..... 24 p4095 N91-32879 #
LBL-30916 ..... 24 p3973 N91-32195 #
LBL-30917 ..... 23 p3932 N91-31975 #
LBL-30920 ..... 24 p4101 N91-32915 #
LBL-30942 ..... 23 p3815 N91-31279 #
LBL-30946 ..... 23 p3938 N91-32010 #
LBL-30950 ..... 23 p3874 N91-31611 #
LBL-30963 ..... 24 p4016 N91-32455 #

LC-26-27766 ..... 14 p2322 N91-22823 #
LC-65-61825 ..... 17 p2884 N91-25945 #
LC-72-179437 ..... 06 p0818 N91-14521 #
LC-79-640375 ..... 01 p0140 N91-10822 #
LC-79-640375 ..... 13 p2183 N91-22059 #
LC-88-28903 ..... 06 p0885 N91-14890 #
LC-89-62950 ..... 09 p1357 N91-17453
LC-89-64440 ..... 11 p1812 N91-19952 #
LC-89-70202 ..... 18 p2926 N91-26143 #
LC-89-600309 ..... 17 p2828 N91-25620 #
LC-89-600370 ..... 17 p2810 N91-25530 #
LC-89-600402 ..... 17 p2801 N91-25495 #
LC-89-656121 ..... 22 p3761 N91-30969 #
LC-90-2095 ..... 09 p1313 N91-17206 #
LC-90-2100 ..... 09 p1383 N91-17610 #
LC-90-2346 ..... 24 p4026 N91-32499 #
LC-90-2411 ..... 09 p1364 N91-17497 #
LC-90-2914 ..... 22 p3706 N91-30629 #
LC-90-5427 ..... 01 p0069 N91-10415 #
LC-90-12783 ..... 02 p0227 N91-11270 #
LC-90-13240 ..... 09 p1422 N91-17828 #
LC-90-20747 ..... 07 p1087 N91-15975* #
LC-90-21659 ..... 24 p4118 N91-33016* #
LC-90-22329 ..... 11 p1773 N91-19721 #
LC-90-27785 ..... 13 p2125 N91-21697 #
LC-90-34787 ..... 02 p0169 N91-10979 #
LC-90-41736 ..... 09 p1271 N91-16988 #
LC-90-44171 ..... 12 p1921 N91-20567 #
LC-90-61573 ..... 12 p1921 N91-20571* #
LC-90-62105 ..... 09 p1357 N91-17457 #
LC-90-62688 ..... 19 p3260 N91-28028 #
LC-90-62765 ..... 10 p1556 N91-18554 #
LC-90-62812 ..... 14 p2344 N91-22960* #
LC-90-62814 ..... 06 p0849 N91-14686 #
LC-90-62882 ..... 09 p1357 N91-17456 #
LC-90-63608 ..... 24 p4118 N91-33017* #
LC-90-70619 ..... 09 p1383 N91-17604 #
LC-90-71055 ..... 13 p2069 N91-21399 #
LC-90-71597 ..... 22 p3766 N91-30993 #
LC-90-80548 ..... 03 p0389 N91-12165 #
LC-91-60990 ..... 19 p3185 N91-27612 #

LCDS-90-6 ..... 09 p1390 N91-17650 #

LG90ER0040 ..... 04 p0480 N91-12677* #

LHC-NOTE-94 ..... 04 p0579 N91-13223 #

LISS-44 ..... 19 p3149 N91-27405 #
LISS-45 ..... 19 p3149 N91-27406 #

LIYF-1451 ..... 11 p1810 N91-19943 #
LIYF-1518 ..... 13 p2160 N91-21908 #
LIYF-1524 ..... 11 p1810 N91-19944 #
LIYF-1552 ..... 11 p1810 N91-19945 #

LL-6 ..... 04 p0531 N91-12949 #

LLNL-M-089-REV-8 ..... 24 p3981 N91-32238 #

LMI-AC001R2 ..... 12 p1827 N91-20041 #

LMI-CE002R1 ..... 12 p1999 N91-21001 #

LMI-NI801R1 ..... 08 p1239 N91-16830 #

LMI-NS001R1 ..... 14 p2339 N91-22935* #

LMI-PL005R1 ..... 16 p2669 N91-24767 #
LMI-PL811R1 ..... 19 p3261 N91-28034 #
LMI-PL901R1 ..... 12 p1997 N91-20994 #

LMSC-D878511 ..... 14 p2277 N91-22595* #
LMSC-D878511 ..... 14 p2277 N91-22596* #
LMSC-D878511 ..... 14 p2278 N91-22597* #
LMSC-D878511 ..... 14 p2278 N91-22598* #

LMSC-F-415048 ..... 16 p2552 N91-24141* #

LMSC-F40416 ..... 04 p0510 N91-12836 #
LMSC-F279204 ..... 11 p1693 N91-19323* #
LMSC-F279280 ..... 15 p2430 N91-23458* #
LMSC-F386100 ..... 09 p1311 N91-17198 #
LMSC-F393987 ..... 04 p0493 N91-12738* #
LMSC-F404864 ..... 16 p2601 N91-24411 #
LMSC-F404866 ..... 14 p2246 N91-22423 #

LMSC-HSV-TR-F312203-VOL-1 ..... 09 p1339 N91-17351* #
LMSC-HSV-TR-F312203-VOL-2 ..... 09 p1339 N91-17352* #
LMSC-HSV-TR-F312203-VOL-3 ..... 09 p1339 N91-17353* #

LNCC-044/88 ..... 01 p0055 N91-10327 #

LNS/PH-90-21 ..... 20 p3400 N91-28842 #

LPI-CONTRIB-746 ..... 05 p0734 N91-14099* #
LPI-CONTRIB-758 ..... 11 p1820 N91-19995* #
LPI-CONTRIB-765 ..... 17 p2891 N91-25982* #

LPI-TR-90-04 ..... 05 p0766 N91-14252* #
LPI-TR-90-05 ..... 05 p0734 N91-14098* #
LPI-TR-90-06 ..... 14 p2347 N91-22984* #
LPI-TR-91-01 ..... 17 p2916 N91-26101* #

LPS-90-1 ..... 01 p0124 N91-10734* #
LPS-90-17 ..... 04 p0586 N91-13272 #

LR-564 ..... 11 p1717 N91-19456 #
LR-565 ..... 11 p1792 N91-19831 #
LR-600 ..... 03 p0315 N91-11759 #
LR-630-PT-1 ..... 12 p1910 N91-20504 #
LR-638 ..... 05 p0682 N91-13791 #
LR-639 ..... 11 p1723 N91-19491 #
LR-640 ..... 11 p1706 N91-19395 #
LR-641 ..... 11 p1724 N91-19492 #
LR-642 ..... 11 p1724 N91-19493 #
LR-643 ..... 11 p1644 N91-19069 #
LR-644 ..... 11 p1664 N91-19169 #
LR-645 ..... 11 p1724 N91-19494 #
LR-647 ..... 11 p1649 N91-19094 #
LR-648 ..... 11 p1673 N91-19222 #
LR-649 ..... 23 p3787 N91-31118 #
LR-31879 ..... 16 p2681 N91-24844* #

LRC-90-13 ..... 09 p1399 N91-17703 #
LRC-91-28 ..... 21 p3589 N91-29964 #

LRT-WE-9-FB-2(1990) ..... 14 p2265 N91-22530 #
LRT-WE-9-FB-5(1990) ..... 14 p2265 N91-22531 #
LRT-WE-9-FB-7(1990) ..... 19 p3162 N91-27481 #
LRT-WE-9-FB-9(1990) ..... 14 p2265 N91-22532 #
LRT-WE-9-FB-06(1990) ..... 11 p1704 N91-19386 #
LRT-WE-9-FB-10(1990) ..... 11 p1704 N91-19387 #
LRT-WE-9-FB-11(1990) ..... 11 p1704 N91-19388 #
LRT-WE-9-FB-12(1990) ..... 11 p1705 N91-19389 #
LRT-WE-9-FB-13(1990) ..... 11 p1705 N91-19390 #

LSO-000-286-1410-VOL-1 ..... 22 p3639 N91-30254* #
LSO-000-286-1410-VOL-2 ..... 22 p3640 N91-30255* #
LSO-000-286-1410-VOL-3-PT-1 ..... 22 p3640 N91-30256* #
LSO-000-286-1410-VOL-3-PT-2 ..... 22 p3640 N91-30257* #
LSO-000-286-1410-VOL-4 ..... 22 p3640 N91-30258* #
LSO-000-286-1410-VOL-5-PT-1 ..... 22 p3640 N91-30259* #

LSTM-239/T/88 ..... 08 p1155 N91-16364 #
LSTM-266/T/89 ..... 01 p0043 N91-10258 #

LSU-T-90-004 ..... 15 p2459 N91-23624 #

LTR-90-SD-011 ..... 21 p3536 N91-29647 #

LTR90-009 ..... 21 p3542 N91-29677 #
LTR91-005 ..... 15 p2509 N91-23905 #
LTR91-006 ..... 16 p2630 N91-24561 #

LU-AFOSR-FR-90 ..... 15 p2366 N91-23094 #

LUIP-8902 ..... 01 p0119 N91-10705 #

LUNDD/TMAT-90/2002 ..... 13 p2048 N91-21269 #

LUNFD6/(NFFK-7098)1-14(1988) ..... 01 p0119 N91-10705 #

LYC-86-11 ..... 16 p2561 N91-24204* #

L9KVAE-FR-91001 ..... 15 p2374 N91-23136* #
L623-FY91-M020 ..... 13 p2042 N91-21230* #

M-638 ..... 07 p1078 N91-15930* #
M-639 ..... 03 p0429 N91-12401* #
M-644 ..... 09 p1401 N91-17713* #
M-646 ..... 10 p1486 N91-18189* #
M-651 ..... 08 p1181 N91-16500* #
M-652 ..... 08 p1244 N91-16858* #
M-654 ..... 08 p1165 N91-16413* #
M-657 ..... 18 p3016 N91-26654* #
M-657 ..... 19 p3202 N91-27697* #
M-659 ..... 17 p2765 N91-25303* #
M-662 ..... 17 p2837 N91-25682* #
M-663 ..... 17 p2829 N91-25629* #
M-664 ..... 21 p3482 N91-29318* #
M-666 ..... 21 p3464 N91-29209* #
M-668 ..... 23 p3938 N91-32006* #
M-669 ..... 24 p4056 N91-32660* #

MA-55 ..... 01 p0108 N91-10627 #
MA-56 ..... 05 p0703 N91-13921 #

MAD/PH-618 ..... 23 p3925 N91-31930 #

MATHS-MEMO-873 ..... 10 p1580 N91-18699 #
MATHS-MEMO-874 ..... 10 p1572 N91-18644 #
MATHS-MEMO-875-1 ..... 10 p1586 N91-18745 #
MATHS-MEMO-876 ..... 10 p1572 N91-18645 #
MATHS-MEMO-878 ..... 10 p1578 N91-18687 #
MATHS-MEMO-879 ..... 10 p1580 N91-18700 #
MATHS-MEMO-885 ..... 10 p1572 N91-18646 #
MATHS-MEMO-887 ..... 10 p1581 N91-18701 #
MATHS-MEMO-888 ..... 10 p1581 N91-18702 #
MATHS-MEMO-889 ..... 10 p1581 N91-18703 #
MATHS-MEMO-891 ..... 10 p1581 N91-18704 #
MATHS-MEMO-894 ..... 10 p1525 N91-18396 #
MATHS-MEMO-895 ..... 10 p1578 N91-18688 #
MATHS-MEMO-896 ..... 10 p1581 N91-18705 #
MATHS-MEMO-897 ..... 10 p1581 N91-18706 #
MATHS-MEMO-899 ..... 10 p1581 N91-18707 #
MATHS-MEMO-900 ..... 10 p1589 N91-18757 #

MATHS-REPT-A-127 ..... 05 p0660 N91-13666 #
MATHS-REPT-A-128 ..... 05 p0703 N91-13918 #
MATHS-REPT-A-129 ..... 05 p0703 N91-13919 #
MATHS-REPT-A-131 ..... 05 p0708 N91-13947 #
MATHS-REPT-A-133 ..... 05 p0708 N91-13948 #
MATHS-REPT-A-134 ..... 05 p0710 N91-13961 #
MATHS-REPT-A-135 ..... 05 p0703 N91-13920 #
MATHS-REPT-A-136 ..... 10 p1580 N91-18695 #
MATHS-REPT-A-137 ..... 10 p1611 N91-18891 #
MATHS-REPT-A-139 ..... 15 p2494 N91-23812 #
MATHS-REPT-A-140 ..... 15 p2494 N91-23813 #
MATHS-REPT-A-141 ..... 22 p3745 N91-30872 #
MATHS-REPT-A-142 ..... 22 p3741 N91-30844 #
MATHS-REPT-A-143 ..... 24 p4083 N91-32807 #
MATHS-REPT-A-145 ..... 22 p3708 N91-30636 #
MATHS-REPT-A-149 ..... 24 p4092 N91-32861 #

MBB-FE22/S/PUB/0433/A ..... 23 p3790 N91-31135 #
MBB-FE122/S/PUB/375 ..... 14 p2194 N91-22118 #
MBB-FE202/S/PUB/441 ..... 23 p3782 N91-31088 #
MBB-FE202/5/PUB/436 ..... 15 p2365 N91-23090 #

MBB-FW522/S/PUB/431 ..... 14 p2234 N91-22362 #

MBB-UA-1144-89-PUB ..... 03 p0382 N91-12130 #
MBB-UA-1182-90-PUB ..... 08 p1224 N91-16745 #
MBB-UA-1185-90-PUB ..... 11 p1799 N91-19876 #
MBB-UA-1187-90-PUB ..... 08 p1212 N91-16669 #
MBB-UA-1188-90-PUB ..... 08 p1123 N91-16173 #
MBB-UA-1189-90-PUB ..... 23 p3916 N91-31871 #
MBB-UA-1190-90-PUB ..... 23 p3798 N91-31186 #
MBB-UA-1191-90-PUB ..... 23 p3819 N91-31304 #
MBB-UA-1192-90-PUB ..... 23 p3821 N91-31317 #
MBB-UA-1193-90-PUB ..... 23 p3782 N91-31086 #
MBB-UA-1199-90-PUB ..... 11 p1799 N91-19877 #
MBB-UA-1201-90-PUB ..... 23 p3798 N91-31183 #

MBB-UD-582-90-PUB ..... 03 p0326 N91-11811 #
MBB-UD-0546-89-PUB ..... 04 p0478 N91-12664 #
MBB-UD-0568-90-PUB ..... 01 p0009 N91-10055 #
MBB-UD-0569-90-PUB ..... 04 p0478 N91-12666 #
MBB-UD-0570-90-PUB ..... 02 p0249 N91-11383 #
MBB-UD-0571-90-PUB ..... 11 p1817 N91-19981 #
MBB-UD-0572-90-PUB ..... 11 p1723 N91-19485 #
MBB-UD-0573-90-PUB ..... 11 p1648 N91-19084 #
MBB-UD-0574-90-PUB ..... 11 p1648 N91-19085 #
MBB-UD-0575-90-PUB ..... 11 p1648 N91-19086 #
MBB-UD-0576-90-PUB ..... 11 p1651 N91-19101 #
MBB-UD-0577-90-PUB ..... 11 p1648 N91-19087 #
MBB-UD-0578-90-PUB ..... 11 p1791 N91-19828 #
MBB-UD-0579-90-PUB ..... 11 p1648 N91-19088 #
MBB-UD-0580-90-PUB ..... 11 p1649 N91-19089 #
MBB-UD-0581-90-PUB ..... 11 p1649 N91-19090 #
MBB-UD-0583-90-PUB ..... 22 p3729 N91-30761 #
MBB-UD-0588-90-PUB ..... 11 p1649 N91-19091 #
MBB-UD-0591-90-PUB ..... 22 p3620 N91-30139 #

MBB-UE-0015-90-PUB ..... 23 p3889 N91-31705 #
MBB-UE-0018-90-PUB ..... 23 p3889 N91-31706 #

MBB-UK-0032-90-PUB ..... 07 p0996 N91-15467 #
MBB-UK-0033-89-PUB ..... 04 p0513 N91-12852 #
MBB-UK-0082-89-PUB ..... 04 p0513 N91-12853 #
MBB-UK-0088-90-PUB ..... 03 p0365 N91-12045 #
MBB-UK-0107-90-PUB ..... 11 p1695 N91-19336 #
MBB-UK-0131-90-PUB ..... 23 p3782 N91-31087 #
MBB-UK-0132-91-PUB ..... 23 p3801 N91-31198 #

MBB-UO-0063-89-PUB ..... 03 p0321 N91-11793 #
MBB-UO-0080-90-PUB ..... 03 p0320 N91-11788 #
MBB-UO-0083-90-PUB ..... 03 p0321 N91-11794 #
MBB-UO-0090-90-PUB ..... 04 p0493 N91-12740 #
MBB-UO-0092-90-PUB ..... 01 p0018 N91-10108 #
MBB-UO-0092-90-PUB ..... 01 p0018 N91-10109 #
MBB-UO-0093-90-PUB ..... 01 p0015 N91-10091 #
MBB-UO-0096-90-PUB ..... 11 p1764 N91-19708 #
MBB-UO-0098-90-PUB ..... 03 p0364 N91-12039 #
MBB-UO-0100-90-PUB ..... 04 p0493 N91-12741 #
MBB-UO-0101-90-PUB ..... 04 p0493 N91-12742 #
MBB-UO-0102-90-PUB ..... 04 p0493 N91-12743 #
MBB-UO-0105-90-PUB ..... 04 p0494 N91-12744 #
MBB-UO-0108-90-PUB ..... 08 p1104 N91-16060 #
MBB-UO-0115-90-PUB ..... 08 p1195 N91-16570 #
MBB-UO-0130-90-PUB ..... 11 p1692 N91-19321 #

MBB-Z-0168-90-PUB ..... 11 p1652 N91-19106 #
MBB-Z-0170-90-PUB ..... 17 p2780 N91-25384 #
MBB-Z-0190-89-PUB ..... 03 p0350 N91-11952 #
MBB-Z-0251-89-PUB ..... 03 p0424 N91-12375 #
MBB-Z-0298-90-PUB ..... 04 p0497 N91-12757 #
MBB-Z-0299-89-PUB ..... 02 p0191 N91-11066 #
MBB-Z-0303-90-PUB ..... 04 p0584 N91-13259 #
MBB-Z-0305-90-PUB ..... 02 p0215 N91-11201 #
MBB-Z-0306-90-PUB-KURZFASSUNG ..... 01 p0023 N91-10136 #
MBB-Z-0307-90-PUB ..... 08 p1240 N91-16834 #
MBB-Z-0308-90-PUB ..... 22 p3651 N91-30320 #
MBB-Z-0309-90-PUB ..... 22 p3651 N91-30321 #
MBB-Z-0311-89-PUB-1-PT-1 ..... 03 p0339 N91-11902 #
MBB-Z-0311-89-PUB-2-PT-2 ..... 03 p0339 N91-11903 #
MBB-Z-0318-90-PUB ..... 07 p0978 N91-15366 #
MBB-Z-0320-90-PUB ..... 11 p1690 N91-19311 #
MBB-Z-0321-90-PUB ..... 22 p3652 N91-30322 #
MBB-Z-0323-90-PUB ..... 22 p3652 N91-30323 #
MBB-Z-0324-90-PUB ..... 22 p3652 N91-30324 #
MBB-Z-0325-90-PUB ..... 22 p3645 N91-30286 #
MBB-Z-0326-90-PUB ..... 22 p3645 N91-30287 #
MBB-Z-0327-90-PUB ..... 22 p3690 N91-30548 #
MBB-Z-0336-90-PUB ..... 23 p3878 N91-31635 #
MBB-Z-0337-90-PUB ..... 23 p3790 N91-31134 #
MBB-Z-0339-90-PUB ..... 23 p3928 N91-31949 #
MBB-Z-0341-90-PUB ..... 11 p1792 N91-19829 #
MBB-Z-0344-90-PUB ..... 22 p3645 N91-30288 #
MBB-Z-0349-90-PUB ..... 22 p3761 N91-30964 #

MBB/FE2/S/PUB/0398 ..... 07 p0939 N91-15145 #
MBB/FE2/S/PUB/0399 ..... 04 p0480 N91-12676 #
MBB/FE44/S/PUB/0402 ..... 03 p0312 N91-11749 #
MBB/FE121/S/PUB/329 ..... 02 p0179 N91-11016 #
MBB/FE121/S/PUB/409/A ..... 06 p0785 N91-14352 #
MBB/FE122/S/PUB/387 ..... 02 p0161 N91-10935 #
MBB/FE122/S/PUB/388 ..... 02 p0256 N91-11424 #
MBB/FE122/S/PUB/390 ..... 03 p0367 N91-12056 #
MBB/FE122/S/PUB/394 ..... 04 p0470 N91-12635 #
MBB/FE122/S/PUB/397 ..... 05 p0617 N91-13423
MBB/FE122/S/PUB/400 ..... 05 p0616 N91-13418
MBB/FE122/S/PUB/401 ..... 04 p0472 N91-12643
MBB/FE122/S/PUB/411 ..... 08 p1096 N91-16016 #
MBB/FE122/S/PUB/0389 ..... 06 p0884 N91-14886 #
MBB/FE122/S/PUB/0405 ..... 08 p1096 N91-16017 #
MBB/FE122/S/PUB/0407 ..... 08 p1092 N91-15997 #
MBB/FE122/S/PUB/0408 ..... 08 p1096 N91-16015 #
MBB/FE127/S/PUB/0403 ..... 06 p0777 N91-14306 #
MBB/FE212/CFK/PUB/014/1 ..... 19 p3104 N91-27150 #
MBB/FE281/CFK/PUB/0013 ..... 08 p1107 N91-16076 #
MBB/FE300/S/PUB/347 ..... 04 p0480 N91-12678 #
MBB/FE324/S/PUB/378 ..... 03 p0361 N91-12023 #

MBB/FW522/S/PUB/406 ..... 04 p0499 N91-12770 #
MBB/FW522/S/PUB/427 ..... 08 p1206 N91-16630 #

MBB/FYT256/S/PUB/361/A ..... 02 p0182 N91-11025 #

MCAT-90-001 ..... 05 p0655 N91-13639* #
MCAT-91-001 ..... 08 p1091 N91-15987* #
MCAT-91-003 ..... 14 p2186 N91-22071* #
MCAT-91-004 ..... 14 p2187 N91-22079* #
MCAT-91-005 ..... 20 p3341 N91-28503* #

MCR-85-721 ..... 14 p2240 N91-22388 #

MCR-85-721-ISSUE-16	04	p0504	N91-12797	#
MCR-89-516	22	p3629	N91-30195*	#
MCR-89-516-VOL-2	04	p0495	N91-12748*	#
MCR-89-559	02	p0258	N91-11432*	#
MCR-90-502	11	p1676	N91-19238*	#
MCR-90-504	12	p1990	N91-20956	#
MCR-90-513	08	p1158	N91-16381	#
MCR-90-523	06	p0860	N91-14749	#
MCR-90-536	06	p0791	N91-14373*	#
MCR-91-1333	24	p3968	N91-32166*	#
MD-90-14-IB	15	p2494	N91-23815	#
MDC-QA035	03	p0335	N91-11882	#
MDC-QA056	15	p2429	N91-23453	#
MDHC-89-17-VOL-1	06	p0783	N91-14343	#
MDHC-89-17-VOL-2	06	p0783	N91-14344	#
ME-56	08	p1160	N91-16392	#
ME-69	08	p1147	N91-16315	#
ME-78	08	p1190	N91-16541	#
ME-84	08	p1151	N91-16339	#
ME-4182	03	p0319	N91-11782*	#
ME-32526-5994	09	p1331	N91-17312	#
ME/ES-TR-91-4	24	p4029	N91-32512*	#
MECH-162	09	p1303	N91-17149	#
MEMO-COSOR-89-28	07	p1054	N91-15787	#
MEMO-COSOR-89-29	07	p1051	N91-15768	#
MEMO-COSOR-89-30	08	p1200	N91-16598	#
MEMO-COSOR-89-31	08	p1209	N91-16651	#
MEMO-COSOR-89-33	08	p1209	N91-16652	#
MEMO-COSOR-89-34	07	p1057	N91-15809	#
MEMO-COSOR-90-01-PT-1	07	p1057	N91-15810	#
MEMO-COSOR-90-02	08	p1124	N91-16178	#
MEMO-COSOR-90-03-PT-2	07	p1058	N91-15811	#
MEMO-COSOR-90-11	07	p1054	N91-15788	#
MEMO-COSOR-90-17	07	p1058	N91-15812	#
MEMO-COSOR-90-18	07	p1061	N91-15834	#
MEMO-COSOR-90-19	07	p1058	N91-15813	#
MEMO-COSOR-90-20	07	p1058	N91-15814	#
MEMO-COSOR-90-26	09	p1387	N91-17628	#
MEMO-COSOR-90-27	07	p1058	N91-15815	#
MEMO-INF-89-12	03	p0405	N91-12254	#
MEMO-INF-89-65	03	p0412	N91-12303	#
MEMO-INF-89-72	03	p0405	N91-12255	#
MEMO-INF-90-06	03	p0405	N91-12256	#
MEMO-INF-90-07	03	p0405	N91-12257	#
MEMO-INF-90-08-REV	03	p0405	N91-12258	#
MEMO-INF-90-09	22	p3744	N91-30864	#
MEMO-INF-90-10	10	p1580	N91-18696	#
MEMO-INF-90-11	03	p0405	N91-12259	#
MEMO-INF-90-12	03	p0405	N91-12260	#
MEMO-INF-90-13	21	p3561	N91-29792	#
MEMO-INF-90-15	21	p3604	N91-30053	#
MEMO-INF-90-18	03	p0406	N91-12261	#
MEMO-INF-90-19	03	p0398	N91-12211	#
MEMO-INF-90-19	14	p2302	N91-22718	#
MEMO-INF-90-21	01	p0110	N91-10643	#
MEMO-INF-90-22	10	p1576	N91-18675	#
MEMO-INF-90-23	10	p1570	N91-18634	#
MEMO-INF-90-25	10	p1588	N91-18754	#
MEMO-INF-90-26	10	p1588	N91-18755	#
MEMO-INF-90-27	10	p1570	N91-18635	#
MEMO-INF-90-28	10	p1580	N91-18697	#
MEMO-INF-90-29	10	p1570	N91-18636	#
MEMO-INF-90-31	10	p1577	N91-18676	#
MEMO-INF-90-33	10	p1570	N91-18637	#
MEMO-INF-90-35	10	p1514	N91-18337	#
MEMO-INF-90-36	10	p1577	N91-18677	#
MEMO-INF-90-39	10	p1580	N91-18698	#
MEMO-INF-90-39-REV	23	p3919	N91-31887	#
MEMO-INF-90-42	10	p1577	N91-18678	#
MEMO-INF-90-43	22	p3738	N91-30823	#
MEMO-INF-90-44	10	p1586	N91-18744	#
MEMO-INF-90-47	10	p1515	N91-18338	#
MEMO-INF-90-48	10	p1571	N91-18638	#
MEMO-INF-90-49	10	p1577	N91-18679	#
MEMO-INF-90-51	10	p1577	N91-18680	#
MEMO-INF-90-52	10	p1577	N91-18681	#
MEMO-INF-90-53	10	p1566	N91-18611	#
MEMO-INF-90-54	10	p1577	N91-18682	#
MEMO-INF-90-55	10	p1571	N91-18639	#
MEMO-INF-90-57	10	p1571	N91-18640	#
MEMO-INF-90-58	10	p1578	N91-18683	#
MEMO-INF-90-59	10	p1571	N91-18641	#
MEMO-INF-90-61	10	p1571	N91-18642	#
MEMO-INF-90-63	10	p1588	N91-18756	#
MEMO-INF-90-64	10	p1571	N91-18643	#
MEMO-INF-90-65	10	p1566	N91-18612	#
MEMO-INF-90-66	14	p2302	N91-22717	#
MEMO-INF-90-67	14	p2302	N91-22718	#
MEMO-INF-90-68	22	p3738	N91-30824	#
MEMO-INF-90-69	14	p2308	N91-22755	#
MEMO-INF-90-70	22	p3733	N91-30789	#
MEMO-INF-90-71	22	p3734	N91-30790	#
MEMO-INF-90-72	22	p3734	N91-30791	#
MEMO-INF-90-73	22	p3734	N91-30792	#
MEMO-INF-90-74	22	p3746	N91-30875	#
MEMO-INF-90-76	22	p3734	N91-30793	#
MEMO-INF-90-77	22	p3746	N91-30876	#
MEMO-INF-90-78	22	p3728	N91-30752	#
MEMO-INF-90-79	22	p3734	N91-30794	#
MEMO-INF-90-80	22	p3739	N91-30825	#
MEMO-INF-90-81	22	p3734	N91-30795	#
MEMO-INF-90-82	22	p3739	N91-30826	#
MEMO-INF-90-83	22	p3737	N91-30812	#
MEMO-INF-90-84	22	p3737	N91-30813	#
MEMO-INF-90-85	22	p3737	N91-30814	#
MEMO-INF-90-86	22	p3737	N91-30815	#
MEMO-INF-90-87	22	p3734	N91-30796	#
MEMO-INF-90-88	22	p3735	N91-30797	#
MEMO-INF-90-89	22	p3665	N91-30408	#
MEMO-INF-90-90	22	p3769	N91-31013	#
MEMO-INF-90-91	22	p3769	N91-31014	#
MEMO-INF-90-92	22	p3769	N91-31015	#
MEMO-INF-91-02	22	p3769	N91-31016	#
MEMO-INF-91-03	22	p3728	N91-30753	#
MEMO-INF-91-04	22	p3739	N91-30827	#
MEMO-INF-91-05	22	p3735	N91-30798	#
MEMO-INF-91-06	22	p3769	N91-31017	#
MEMO-INF-91-07	22	p3742	N91-30852	#
MEMO-INF-91-09	22	p3735	N91-30799	#
MEMO-INF-91-10	22	p3735	N91-30800	#
MEMO-INF-91-11	22	p3739	N91-30828	#
MEMO-INF-91-12	22	p3735	N91-30801	#
MEMO-INF-91-13	22	p3735	N91-30802	#
MEMO-INF-91-14	22	p3724	N91-30723	#
MEMO-INF-91-15	22	p3739	N91-30829	#
MEMO-INF-91-16	22	p3735	N91-30803	#
MEMO-INF-91-17	22	p3743	N91-30853	#
MEMO-INF-91-18	22	p3736	N91-30804	#
MEMO-INF-91-19	23	p3855	N91-31493	#
MEMO-INF-91-21	22	p3666	N91-30409	#
MEMO-INF-91-22	23	p3915	N91-31863	#
MEMO-INF-91-23	22	p3736	N91-30805	#
MEMO-INF-91-24	22	p3736	N91-30806	#
MEMO-INF-91-25	22	p3736	N91-30807	#
MEMO-INF-91-26	23	p3912	N91-31840	#
MEMO-INF-91-28	22	p3729	N91-30754	#
MEMO-INF-91-29	22	p3739	N91-30830	#
MEMO-INF-91-30	22	p3736	N91-30808	#
MEMO-INF-91-31	23	p3912	N91-31841	#
MEMO-836	05	p0701	N91-13905	#
MEMO-837	04	p0568	N91-13153	#
MEMO-838	04	p0574	N91-13191	#
MEMO-839	04	p0574	N91-13192	#
MEMO-840	04	p0575	N91-13193	#
MEMO-841	01	p0115	N91-10672	#
MEMO-842	01	p0115	N91-10673	#
MEMO-843	01	p0115	N91-10674	#
MEMO-844	01	p0115	N91-10675	#
MEMO-845	01	p0117	N91-10690	#
MEMO-848	01	p0117	N91-10692	#
MEMO-851	01	p0115	N91-10676	#
MEMO-853	01	p0115	N91-10677	#
MEMO-854	01	p0115	N91-10678	#
MEMO-855	02	p0262	N91-11468	#
MEMO-856	01	p0116	N91-10681	#
MEMO-857	01	p0116	N91-10682	#
MEMO-858-PT-1	02	p0263	N91-11469	#
MEMO-859	02	p0263	N91-11470	#
MEMO-860	04	p0575	N91-13194	#
MEMO-861	04	p0577	N91-13212	#
MEMO-862	04	p0575	N91-13195	#
MEMO-863	04	p0575	N91-13196	#
MEMO-864	04	p0575	N91-13197	#
MEMO-865	05	p0711	N91-13964	#
MEMO-866	04	p0577	N91-13213	#
MEMO-867	04	p0577	N91-13214	#
MEMO-868	04	p0571	N91-13167	#
MEMO-870	04	p0575	N91-13198	#
MEMO-872	22	p3744	N91-30861	#
MEMO-892	22	p3744	N91-30862	#
MEMO-893	21	p3558	N91-29776	#
MEMO-901	14	p2309	N91-22756	#
MEMO-902	14	p2309	N91-22757	#
MEMO-903	14	p2319	N91-22806	#
MEMO-904	14	p2318	N91-22800	#
MEMO-905	14	p2320	N91-22813	#
MEMO-906	14	p2319	N91-22807	#
MEMO-907	14	p2319	N91-22808	#
MEMO-908	14	p2318	N91-22801	#
MEMO-909	23	p3921	N91-31904	#
MEMO-910	23	p3921	N91-31905	#
MEMO-911	23	p3921	N91-31906	#
MEMO-912	23	p3912	N91-31842	#

MEMO-913 ..... 23 p3912 N91-31843 #
MEMO-914 ..... 23 p3869 N91-31580 #
MEMO-915 ..... 23 p3921 N91-31907 #
MEMO-916 ..... 23 p3921 N91-31908 #
MEMO-917 ..... 23 p3921 N91-31909 #
MEMO-918 ..... 23 p3922 N91-31910 #
MEMO-919 ..... 23 p3912 N91-31844 #
MEMO-920 ..... 23 p3918 N91-31881 #
MEMO-921 ..... 23 p3912 N91-31845 #
MEMO-923 ..... 22 p3739 N91-30831 #
MEMO-924 ..... 22 p3740 N91-30832 #
MEMO-925 ..... 22 p3748 N91-30891 #
MEMO-927 ..... 22 p3746 N91-30877 #
MEMO-928 ..... 22 p3746 N91-30878 #
MEMO-932 ..... 22 p3748 N91-30892 #
MEMO-933 ..... 22 p3736 N91-30809 #
MEMO-934 ..... 22 p3679 N91-30487 #
MEMO-935 ..... 22 p3679 N91-30488 #
MEMO-936 ..... 22 p3746 N91-30879 #
MEMO-938 ..... 23 p3854 N91-31489 #

MEMS-ACL-13 ..... 06 p0803 N91-14431 #

MEMS-ALC-14 ..... 18 p2954 N91-26301 #

MEMT-2 ..... 07 p1020 N91-15600 #
MEMT-3 ..... 07 p1058 N91-15816 #
MEMT-5 ..... 02 p0232 N91-11294 #
MEMT-6 ..... 03 p0386 N91-12152 #
MEMT-11 ..... 11 p1705 N91-19394 #
MEMT-15 ..... 17 p2762 N91-25288 #

METRAVIB-RDS-1-007-67 ..... 23 p3783 N91-31090 #

MF-122 ..... 15 p2513 N91-23924 #

MHD-ITC-90-133 ..... 02 p0274 N91-11542 #

MHR-12 ..... 06 p0933 N91-15119* #
MHR-13 ..... 07 p1086 N91-15974* #
MHR-15 ..... 06 p0933 N91-15120* #

MICROWAVE-LAB-90-P-4 ..... 04 p0520 N91-12893 #

MISC-90024-VOL-2-APP-PT-1 ..... 08 p1132 N91-16227 #
MISC-90087 ..... 20 p3387 N91-28764 #

MIT-AI-M-1256 ..... 08 p1205 N91-16624 #

MIT-TR-47 ..... 24 p4088 N91-32840
MIT-TR-333 ..... 19 p3201 N91-27695* #

MIT/LCS/TM-412.C ..... 18 p3040 N91-26780 #
MIT/LCS/TM-422 ..... 04 p0563 N91-13124 #
MIT/LCS/TM-435 ..... 12 p1957 N91-20764 #
MIT/LCS/TM-437 ..... 12 p1963 N91-20799 #
MIT/LCS/TM-438 ..... 13 p2139 N91-21775 #
MIT/LCS/TM-439 ..... 12 p1956 N91-20758 #
MIT/LCS/TM-442 ..... 15 p2487 N91-23774 #
MIT/LCS/TM-449 ..... 21 p3559 N91-29781 #
MIT/LCS/TM-450 ..... 21 p3553 N91-29739 #
MIT/LCS/TM-451 ..... 21 p3559 N91-29780 #
MIT/LCS/TM-455 ..... 23 p3907 N91-31811 #

MIT/LCS/TR-454 ..... 21 p3560 N91-29784 #
MIT/LCS/TR-482 ..... 15 p2419 N91-23401 #
MIT/LCS/TR-485 ..... 04 p0563 N91-13126 #
MIT/LCS/TR-486 ..... 07 p1000 N91-15491 #
MIT/LCS/TR-487 ..... 21 p3603 N91-30047 #
MIT/LCS/TR-488 ..... 12 p1955 N91-20756 #
MIT/LCS/TR-489 ..... 09 p1388 N91-17634 #
MIT/LCS/TR-490 ..... 08 p1202 N91-16611 #
MIT/LCS/TR-492 ..... 12 p1969 N91-20833 #
MIT/LCS/TR-493 ..... 14 p2307 N91-22747 #
MIT/LCS/TR-494 ..... 16 p2673 N91-24795* #
MIT/LCS/TR-496 ..... 15 p2487 N91-23770 #
MIT/LCS/TR-497 ..... 16 p2668 N91-24761 #
MIT/LCS/TR-498 ..... 18 p3038 N91-26764 #
MIT/LCS/TR-502 ..... 18 p3044 N91-26803 #
MIT/LCS/TR-505 ..... 21 p3559 N91-29779 #

MITSG-89-33 ..... 01 p0118 N91-10698 #
MITSG-91-13 ..... 21 p3533 N91-29630 #

MITT-33 ..... 08 p1146 N91-16310 #
MITT-69 ..... 02 p0289 N91-11621 #
MITT-70 ..... 02 p0215 N91-11202 #
MITT-71 ..... 02 p0239 N91-11335 #
MITT-72 ..... 04 p0546 N91-13028 #
MITT-74 ..... 15 p2463 N91-23648 #

MLM-3633(OP) ..... 08 p1223 N91-16738 #
MLM-3658(OP) ..... 06 p0808 N91-14460 #
MLM-3659(OP) ..... 08 p1235 N91-16808 #
MLM-3663(OP) ..... 06 p0880 N91-14857 #
MLM-3667(OP) ..... 06 p0836 N91-14622 #
MLM-3668(OP) ..... 06 p0813 N91-14492 #
MLM-3670 ..... 07 p1056 N91-15801 #
MLM-3674 ..... 10 p1532 N91-18441 #
MLM-3679 ..... 15 p2436 N91-23498 #
MLM-3684 ..... 15 p2397 N91-23274 #
MLM-3689 ..... 20 p3392 N91-28800 #
MLM-3691 ..... 21 p3493 N91-29382 #

MM-5021-90-7 ..... 07 p0968 N91-15316 #
MM-27010-90-8 ..... 04 p0497 N91-12759 #
MM-27010-90-10 ..... 07 p0969 N91-15317 #
MM-27470-90-15 ..... 16 p2605 N91-24437 #

MML-TR-90-27C-PT-2 ..... 20 p3312 N91-28334* #
MML-TR-90-47C ..... 14 p2246 N91-22426* #
MML-TR-90-63C ..... 16 p2599 N91-24402* #
MML-TR-90-69C-PT-4 ..... 16 p2599 N91-24404* #
MML-TR-91-10C ..... 16 p2600 N91-24410 #

MMS-91/0003 ..... 23 p3897 N91-31753 #

MP-90-080 ..... 08 p1123 N91-16172 #

MPE-PAE/EXP-EL-226 ..... 09 p1396 N91-17680
MPE-PAE/EXP-EL-227 ..... 09 p1396 N91-17681
MPE-PAE/EXP-EL-230 ..... 09 p1396 N91-17682

MPE-PREPRINT-176 ..... 11 p1700 N91-19365
MPE-PREPRINT-177 ..... 11 p1817 N91-19982
MPE-PREPRINT-178 ..... 11 p1817 N91-19976
MPE-PREPRINT-179 ..... 08 p1267 N91-16974
MPE-PREPRINT-180 ..... 11 p1800 N91-19880
MPE-PREPRINT-181 ..... 08 p1267 N91-16975
MPE-PREPRINT-182 ..... 08 p1267 N91-16976
MPE-PREPRINT-183 ..... 11 p1817 N91-19977
MPE-PREPRINT-184 ..... 08 p1180 N91-16494
MPE-PREPRINT-185 ..... 08 p1180 N91-16495
MPE-PREPRINT-186 ..... 08 p1180 N91-16496
MPE-PREPRINT-188 ..... 08 p1267 N91-16977* #
MPE-PREPRINT-188 ..... 11 p1817 N91-19978
MPE-PREPRINT-189 ..... 08 p1244 N91-16856
MPE-PREPRINT-190 ..... 08 p1267 N91-16978
MPE-PREPRINT-191 ..... 09 p1426 N91-17847
MPE-PREPRINT-192 ..... 15 p2368 N91-23104
MPE-PREPRINT-193 ..... 15 p2532 N91-24029
MPE-PREPRINT-194 ..... 15 p2535 N91-24040
MPE-PREPRINT-196 ..... 23 p3929 N91-31957*
MPE-PREPRINT-197 ..... 23 p3938 N91-32009*
MPE-PREPRINT-198 ..... 23 p3939 N91-32017

MPE-217 ..... 02 p0289 N91-11620 #
MPE-218 ..... 01 p0127 N91-10753
MPE-219 ..... 01 p0137 N91-10808
MPE-220 ..... 08 p1268 N91-16983 #
MPE-221 ..... 08 p1230 N91-16782 #
MPE-222 ..... 11 p1816 N91-19971 #
MPE-223 ..... 23 p3937 N91-32002 #

MPI-PAE/EXP.EL-228 ..... 05 p0714 N91-13984
MPI-PAE/EXP.EL-231 ..... 08 p1222 N91-16732 #

MPIS-MITT-93 ..... 02 p0192 N91-11077 #
MPIS-MITT-95 ..... 02 p0282 N91-11588 #
MPIS-MITT-96 ..... 02 p0266 N91-11491 #
MPIS-MITT-97 ..... 23 p3869 N91-31582 #

MPIS-4/1990 ..... 07 p0978 N91-15365 #
MPIS-7/1990 ..... 02 p0213 N91-11193 #
MPIS-8/1990 ..... 11 p1791 N91-19827 #
MPIS-10/1990 ..... 11 p1704 N91-19384 #
MPIS-12/1990 ..... 23 p3782 N91-31085 #
MPIS-12/1990 ..... 23 p3869 N91-31581 #
MPIS-15/1990 ..... 11 p1704 N91-19385 #

MPL-TM-417 ..... 13 p2124 N91-21692 #
MPL-TM-418 ..... 13 p2072 N91-21414 #
MPL-TM-419 ..... 13 p2072 N91-21415 #
MPL-TM-425 ..... 12 p1973 N91-20853 #

MPL-U-2/91 ..... 13 p2125 N91-21694 #
MPL-U-6/90 ..... 13 p2124 N91-21692 #
MPL-U-7/90 ..... 13 p2072 N91-21414 #
MPL-U-8/90 ..... 13 p2072 N91-21415 #
MPL-U-27/90 ..... 14 p2292 N91-22678 #
MPL-U-34/90 ..... 12 p1973 N91-20853 #
MPL-U-46/91 ..... 13 p2122 N91-21678 #
MPL-U-48/91 ..... 21 p3542 N91-29680 #

MR-S-1800-PHASE-1 ..... 14 p2195 N91-22125 #

MRC-MSH-R 90-003 ..... 08 p1229 N91-16776 #

MRC-R-1262R ..... 18 p2974 N91-26418 #

MRC/NSH-R-89-009 ..... 19 p3157 N91-27454 #

MRC/WDC-R-230 ..... 09 p1406 N91-17738 #

MRL-R-1057 ..... 07 p0961 N91-15293 #

MRL-RR-2-90 ..... 14 p2261 N91-22510 #

MRL-TN-579 ..... 10 p1517 N91-18351 #
MRL-TN-581 ..... 14 p2323 N91-22828 #
MRL-TN-581 ..... 19 p3239 N91-27912 #
MRL-TN-583 ..... 14 p2190 N91-22097 #
MRL-TN-590 ..... 21 p3484 N91-29326 #

MRL-TR-90-14 ..... 07 p0980 N91-15380 #
MRL-TR-90-18 ..... 07 p1056 N91-15802 #
MRL-TR-90-19 ..... 23 p3786 N91-31109 #
MRL-TR-90-20 ..... 07 p0987 N91-15416 #
MRL-TR-90-21 ..... 10 p1506 N91-18287 #
MRL-TR-90-24 ..... 07 p0986 N91-15415 #
MRL-TR-90-26 ..... 10 p1535 N91-18450 #
MRL-TR-90-27 ..... 11 p1681 N91-19266 #
MRL-TR-91-15 ..... 21 p3478 N91-29290 #

MS-CIS-89-22 ..... 15 p2490 N91-23787* #

MSAT-X-164 ..... 01 p0017 N91-10105* #

MSC-TFR-2110/1705-VOL-1 ..... 19 p3119 N91-27233 #
MSC-TFR-2110/1705-VOL-2 ..... 21 p3470 N91-29247 #
MSC-TFR-2111/8602 ..... 04 p0497 N91-12762 #
MSC-TFR-2201/1506 ..... 19 p3121 N91-27240 #

MSC-TN-21 ..... 16 p2649 N91-24661 #

MSRR-560 ..... 18 p3051 N91-26849 #
MSRR-562 ..... 08 p1205 N91-16626 #
MSRR-565 ..... 21 p3555 N91-29753 #
MSRR-566 ..... 21 p3566 N91-29823 #

MSU-EE-FIN-30-90 ..... 10 p1491 N91-18209* #

MT-CWR-091-005 ..... 14 p2248 N91-22435 #
MT-CWR-091-012 ..... 23 p3815 N91-31280 #

MTB-316-87 ..... 01 p0033 N91-10194* #
MTB-325-87A ..... 01 p0026 N91-10157* #
MTB-402-89 ..... 01 p0022 N91-10131* #
MTB-1058-89 ..... 02 p0200 N91-11121* #

MTCI-26367-107 ..... 09 p1320 N91-17247 #

MTI-89TR19 ..... 06 p0830 N91-14589 #

MTL-TN-90-2 ..... 08 p1106 N91-16073 #

MTL-TR-90-23 ..... 04 p0536 N91-12972 #
MTL-TR-90-32 ..... 03 p0345 N91-11936 #
MTL-TR-90-34 ..... 03 p0344 N91-11927 #
MTL-TR-90-39 ..... 04 p0507 N91-12818 #
MTL-TR-90-41 ..... 08 p1106 N91-16072 #
MTL-TR-90-42 ..... 12 p1869 N91-20271 #
MTL-TR-90-43 ..... 08 p1116 N91-16130 #
MTL-TR-90-44 ..... 08 p1094 N91-16007 #
MTL-TR-90-45 ..... 08 p1105 N91-16068 #
MTL-TR-90-46 ..... 09 p1353 N91-17430 #
MTL-TR-90-47 ..... 07 p0983 N91-15396 #
MTL-TR-90-48 ..... 14 p2240 N91-22393 #
MTL-TR-90-51 ..... 12 p1874 N91-20297 #
MTL-TR-90-54 ..... 13 p2053 N91-21300 #
MTL-TR-90-56 ..... 14 p2246 N91-22425 #
MTL-TR-90-57 ..... 14 p2250 N91-22447 #
MTL-TR-90-58 ..... 12 p1876 N91-20310 #
MTL-TR-90-59 ..... 14 p2239 N91-22385 #
MTL-TR-91-1 ..... 14 p2249 N91-22446 #
MTL-TR-91-2 ..... 15 p2395 N91-23263 #
MTL-TR-91-3 ..... 15 p2447 N91-23554 #
MTL-TR-91-4 ..... 14 p2277 N91-22592 #
MTL-TR-91-5-VOL-1 ..... 19 p3119 N91-27233 #
MTL-TR-91-5-VOL-2 ..... 21 p3470 N91-29247 #
MTL-TR-91-7 ..... 21 p3581 N91-29921 #
MTL-TR-91-10 ..... 18 p2942 N91-26231 #
MTL-TR-91-11 ..... 19 p3137 N91-27336 #
MTL-TR-91-12 ..... 19 p3145 N91-27382 #
MTL-TR-91-13 ..... 19 p3120 N91-27237 #
MTL-TR-91-18 ..... 21 p3595 N91-30002 #
MTL-TR-91-19 ..... 21 p3530 N91-29608 #
MTL-TR-91-21 ..... 21 p3489 N91-29358 #
MTL-TR-91-23 ..... 21 p3529 N91-29607 #
MTL-TR-91-26 ..... 23 p3820 N91-31311 #
MTL-TR-91-27 ..... 23 p3809 N91-31245 #

MTR-M90-79 ..... 15 p2413 N91-23366 #
MTR-M90-92 ..... 18 p2974 N91-26421 #

MTR-90W00164 ..... 18 p2976 N91-26433 #
MTR-10765 ..... 04 p0475 N91-12653 #
MTR-10766 ..... 04 p0474 N91-12648 #
MTR-10910 ..... 08 p1094 N91-16004 #
MTR-10989 ..... 13 p2073 N91-21416 #
MTR-11051 ..... 21 p3455 N91-29162 #

MW-90-P-5 ..... 06 p0822 N91-14542 #

M90-93 ..... 16 p2620 N91-24507 #

NA-89-1122L ..... 18 p2924 N91-26133 #

NADC-SIRLAB-1089 ..... 22 p3650 N91-30311 #

NADC-88020-60 ..... 19 p3104 N91-27151 #
NADC-90043-60 ..... 04 p0487 N91-12706 #
NADC-90049-60 ..... 09 p1311 N91-17198 #
NADC-90052-60 ..... 14 p2193 N91-22115 #
NADC-90065-60 ..... 13 p2127 N91-21709 #
NADC-90066-60 ..... 18 p2941 N91-26222 #
NADC-90069-60 ..... 13 p2129 N91-21719* #
NADC-90073-60 ..... 16 p2590 N91-24353 #
NADC-90088-60 ..... 13 p2127 N91-21707 #
NADC-90119-60 ..... 18 p2955 N91-26306 #
NADC-91002-60 ..... 20 p3314 N91-28343 #
NADC-91003-60 ..... 19 p3160 N91-27472 #
NADC-91004-60 ..... 18 p2927 N91-26149 #
NADC-91005-60 ..... 15 p2492 N91-23797 #
NADC-91016-60 ..... 18 p2963 N91-26355 #
NADC-91027-60 ..... 23 p3791 N91-31141 #
NADC-91028-60 ..... 23 p3907 N91-31808 #
NADC-91042-60 ..... 23 p3900 N91-31768 #
NADC-91054-60-PT-1 ..... 23 p3907 N91-31809 #

NAE-AN-57 ..... 21 p3495 N91-29394 #
NAE-AN-65 ..... 03 p0301 N91-11679 #

NAE-LTR-FR-105 ..... 21 p3455 N91-29160 #
NAE-LTR-FR-106 ..... 21 p3454 N91-29158 #
NAE-LTR-FR-107 ..... 21 p3537 N91-29651 #
NAE-LTR-FR-108 ..... 21 p3451 N91-29139 #
NAE-LTR-FR-109 ..... 21 p3460 N91-29189 #
NAE-LTR-FR-110 ..... 21 p3494 N91-29388 #
NAE-LTR-FR-113 ..... 21 p3456 N91-29169* #
NAE-LTR-FR-114 ..... 21 p3454 N91-29159 #

NAE-LTR-LA-310 ..... 21 p3535 N91-29642 #
NAE-LTR-LA-312 ..... 21 p3461 N91-29195 #

NAE-LTR-ST(CR)-1711 ..... 21 p3530 N91-29611 #

NAE-LTR-ST-531 ..... 21 p3478 N91-29289 #
NAE-LTR-ST-547 ..... 21 p3553 N91-29742 #
NAE-LTR-ST-1695 ..... 21 p3469 N91-29236 #
NAE-LTR-ST-1696 ..... 21 p3456 N91-29166 #
NAE-LTR-ST-1701 ..... 23 p3788 N91-31125 #
NAE-LTR-ST-1703 ..... 21 p3518 N91-29535 #
NAE-LTR-ST-1706 ..... 21 p3455 N91-29165 #
NAE-LTR-ST-1716 ..... 21 p3458 N91-29179 #
NAE-LTR-ST-1736 ..... 21 p3469 N91-29237 #
NAE-LTR-ST-1737 ..... 21 p3529 N91-29604 #
NAE-LTR-ST-1744 ..... 21 p3461 N91-29196 #
NAE-LTR-ST-1758 ..... 21 p3517 N91-29534 #
NAE-LTR-ST-1771 ..... 21 p3478 N91-29288 #
NAE-LTR-ST-1774 ..... 21 p3458 N91-29180 #

NAE-LTR-UA-93 ..... 21 p3452 N91-29144 #
NAE-LTR-UA-101 ..... 21 p3456 N91-29168 #
NAE-LTR-UA-104 ..... 21 p3517 N91-29533 #

NAE-ST-557 ..... 21 p3553 N91-29744 #
NAE-ST-576 ..... 21 p3456 N91-29167 #

NAL-PD-CF-9006 ..... 21 p3511 N91-29494 #
NAL-PD-CF-9101 ..... 21 p3452 N91-29146 #
NAL-PD-CF-9102 ..... 21 p3452 N91-29145 #

NAL-PD-DU-9005 ..... 22 p3748 N91-30893 #

NAL-PD-FC-9010 ..... 10 p1473 N91-18119 #
NAL-PD-FC-9110 ..... 21 p3565 N91-29814 #
NAL-PD-FC-9111 ..... 22 p3620 N91-30137 #

NAL-PD-FE-9101 ..... 22 p3618 N91-30127 #

NAL-PD-MT-9012 ..... 10 p1520 N91-18372 #
NAL-PD-MT-9015 ..... 10 p1504 N91-18280 #

NAL-PD-PR-9013 ..... 10 p1525 N91-18398 #

NAL-SP-9 ..... 04 p0463 N91-12591 #
NAL-SP-10 ..... 04 p0451 N91-12514 #
NAL-SP-13 ..... 13 p2066 N91-21379 #
NAL-SP-14 ..... 24 p3943 N91-32032 #
NAL-SP-9016 ..... 10 p1473 N91-18117 #

NAL-TM-EA-9001 ..... 10 p1525 N91-18399 #

NAL-TM-574 ..... 01 p0007 N91-10038
NAL-TM-575 ..... 01 p0013 N91-10080
NAL-TM-576 ..... 01 p0013 N91-10077
NAL-TM-578 ..... 01 p0104 N91-10604
NAL-TM-579 ..... 01 p0006 N91-10030
NAL-TM-580 ..... 01 p0013 N91-10081
NAL-TM-581 ..... 01 p0013 N91-10082
NAL-TM-582 ..... 01 p0006 N91-10031
NAL-TM-583 ..... 01 p0104 N91-10601
NAL-TM-584 ..... 01 p0050 N91-10299
NAL-TM-585-PT-1 ..... 01 p0010 N91-10059
NAL-TM-587-PT-2 ..... 01 p0010 N91-10060
NAL-TM-588 ..... 01 p0001 N91-10003
NAL-TM-589 ..... 01 p0105 N91-10605
NAL-TM-590 ..... 01 p0010 N91-10057
NAL-TM-591 ..... 02 p0215 N91-11200 #
NAL-TM-592 ..... 02 p0167 N91-10966 #
NAL-TM-594 ..... 02 p0185 N91-11035 #
NAL-TM-595 ..... 02 p0188 N91-11051 #
NAL-TM-596 ..... 02 p0182 N91-11026 #
NAL-TM-598-1 ..... 02 p0185 N91-11036 #
NAL-TM-599 ..... 02 p0188 N91-11052 #
NAL-TM-615 ..... 12 p1846 N91-20144 #
NAL-TM-616 ..... 11 p1644 N91-19066 #
NAL-TM-618 ..... 11 p1652 N91-19105 #
NAL-TM-620 ..... 15 p2381 N91-23182 #

NAL-TR-1016T ..... 01 p0003 N91-10012 #
NAL-TR-1027T ..... 01 p0002 N91-10011 #
NAL-TR-1050T ..... 01 p0120 N91-10712 #
NAL-TR-1051 ..... 01 p0009 N91-10053 #
NAL-TR-1052T ..... 01 p0009 N91-10054 #
NAL-TR-1053 ..... 01 p0025 N91-10148 #
NAL-TR-1054 ..... 01 p0014 N91-10087 #
NAL-TR-1055 ..... 01 p0115 N91-10679 #
NAL-TR-1056 ..... 01 p0065 N91-10389 #
NAL-TR-1057 ..... 11 p1720 N91-19469 #
NAL-TR-1058 ..... 08 p1105 N91-16069 #
NAL-TR-1059 ..... 13 p2019 N91-21111 #
NAL-TR-1060 ..... 08 p1159 N91-16384 #
NAL-TR-1061 ..... 01 p0016 N91-10099 #
NAL-TR-1062T ..... 01 p0032 N91-10190 #
NAL-TR-1063 ..... 08 p1161 N91-16396 #
NAL-TR-1065 ..... 08 p1090 N91-15985 #
NAL-TR-1066 ..... 08 p1090 N91-15983 #
NAL-TR-1067 ..... 08 p1111 N91-16102 #
NAL-TR-1068 ..... 12 p1842 N91-20127 #
NAL-TR-1069 ..... 12 p1964 N91-20806 #
NAL-TR-1070 ..... 08 p1090 N91-15982 #
NAL-TR-1071 ..... 13 p2020 N91-21112 #
NAL-TR-1072 ..... 13 p2020 N91-21113 #
NAL-TR-1073-T ..... 08 p1090 N91-15984 #
NAL-TR-1074 ..... 13 p2096 N91-21538 #
NAL-TR-1075-T ..... 13 p2020 N91-21114 #
NAL-TR-1076 ..... 17 p2730 N91-25116 #
NAL-TR-1077 ..... 17 p2777 N91-25366 #
NAL-TR-1078 ..... 13 p2088 N91-21491 #
NAL-TR-1079 ..... 14 p2263 N91-22520 #
NAL-TR-1080 ..... 17 p2736 N91-25149 #
NAL-TR-1081 ..... 17 p2860 N91-25815 #
NAL-TR-1082 ..... 17 p2743 N91-25180 #
NAL-TR-1083 ..... 17 p2735 N91-25145 #
NAL-TR-1084 ..... 17 p2832 N91-25645 #
NAL-TR-1085 ..... 17 p2746 N91-25196 #
NAL-TR-1086 ..... 17 p2886 N91-25951 #
NAL-TR-1087 ..... 17 p2730 N91-25115 #
NAL-TR-1088T ..... 17 p2729 N91-25114 #
NAL-TR-1089 ..... 17 p2761 N91-25287 #
NAL-TR-1090 ..... 17 p2783 N91-25400 #

NAMRL-MONOGRAPH-42 ..... 21 p3549 N91-29719 #

NAMRL-SR-90-1 ..... 07 p1037 N91-15689 #

NAMRL-TM-90-2 ..... 21 p3550 N91-29728 #

NAMRL-1353 ..... 07 p1035 N91-15678 #
NAMRL-1355 ..... 04 p0479 N91-12672 #
NAMRL-1356 ..... 13 p2023 N91-21128 #
NAMRL-1357 ..... 06 p0854 N91-14717 #
NAMRL-1359 ..... 21 p3552 N91-29736 #
NAMRL-1361 ..... 21 p3551 N91-29730 #
NAMRL-1362 ..... 21 p3551 N91-29729 #

NAPC-PE-188 ..... 10 p1472 N91-18112 #

NAS 1.2:23-1 ..... 14 p2298 N91-22704* #
NAS 1.15:4186 ..... 01 p0008 N91-10045* #
NAS 1.15:4193 ..... 12 p1830 N91-20055* #
NAS 1.15:4194 ..... 05 p0613 N91-13400* #
NAS 1.15:4196 ..... 06 p0839 N91-14634* #
NAS 1.15:4202 ..... 01 p0017 N91-10103* #
NAS 1.15:4212 ..... 05 p0765 N91-14251* #
NAS 1.15:4213 ..... 02 p0251 N91-11391* #
NAS 1.15:4216 ..... 13 p2078 N91-21446* #
NAS 1.15:4217 ..... 06 p0771 N91-14274* #
NAS 1.15:4218 ..... 10 p1516 N91-18347* #
NAS 1.15:4221 ..... 06 p0912 N91-15034* #
NAS 1.15:4223 ..... 05 p0619 N91-13432* #
NAS 1.15:4224 ..... 05 p0625 N91-13462* #
NAS 1.15:4225 ..... 12 p1869 N91-20268* #
NAS 1.15:4226 ..... 11 p1721 N91-19473* #
NAS 1.15:4228 ..... 05 p0619 N91-13433* #
NAS 1.15:4229 ..... 05 p0768 N91-14265* #
NAS 1.15:4230 ..... 06 p0771 N91-14275* #
NAS 1.15:4231 ..... 05 p0627 N91-13473* #
NAS 1.15:4234 ..... 11 p1650 N91-19099* #
NAS 1.15:4235 ..... 09 p1449 N91-17997* #
NAS 1.15:4236 ..... 09 p1450 N91-17998* #
NAS 1.15:4237 ..... 07 p0935 N91-15125* #
NAS 1.15:4238 ..... 10 p1473 N91-18115* #
NAS 1.15:4239 ..... 11 p1641 N91-19052* #
NAS 1.15:4240 ..... 11 p1647 N91-19079* #
NAS 1.15:4241 ..... 03 p0408 N91-12279* #
NAS 1.15:4243 ..... 10 p1626 N91-18966* #
NAS 1.15:4244 ..... 11 p1666 N91-19181* #
NAS 1.15:4246 ..... 10 p1470 N91-18105* #
NAS 1.15:4247 ..... 07 p1042 N91-15714* #
NAS 1.15:4248 ..... 05 p0614 N91-13406* #
NAS 1.15:4249 ..... 10 p1468 N91-18096* #
NAS 1.15:4250 ..... 10 p1457 N91-18033* #
NAS 1.15:4251 ..... 12 p1973 N91-20857* #
NAS 1.15:4252 ..... 12 p1902 N91-20465* #
NAS 1.15:4253 ..... 14 p2259 N91-22495* #
NAS 1.15:4254 ..... 14 p2191 N91-22103* #
NAS 1.15:4255 ..... 10 p1624 N91-18960* #
NAS 1.15:4256-VOL-1 ..... 11 p1725 N91-19499* #
NAS 1.15:4256-VOL-2 ..... 13 p2105 N91-21590* #
NAS 1.15:4256-VOL-3 ..... 12 p1916 N91-20539* #
NAS 1.15:4257 ..... 11 p1654 N91-19115* #
NAS 1.15:4258 ..... 11 p1762 N91-19697* #
NAS 1.15:4260 ..... 13 p2119 N91-21661* #
NAS 1.15:4261-PT-1 ..... 13 p2119 N91-21662* #
NAS 1.15:4261-PT-2 ..... 13 p2119 N91-21663* #
NAS 1.15:4262 ..... 13 p2152 N91-21860* #
NAS 1.15:4265 ..... 19 p3099 N91-27120* #
NAS 1.15:4266 ..... 14 p2267 N91-22540* #
NAS 1.15:4267 ..... 16 p2544 N91-24098* #
NAS 1.15:4268-PT-1 ..... 18 p3016 N91-26654* #
NAS 1.15:4268-PT-2 ..... 19 p3202 N91-27697* #
NAS 1.15:4269 ..... 14 p2301 N91-22715* #
NAS 1.15:4270 ..... 13 p2126 N91-21704* #
NAS 1.15:4271 ..... 14 p2353 N91-23014* #
NAS 1.15:4272 ..... 19 p3163 N91-27489* #
NAS 1.15:4273 ..... 12 p1845 N91-20143* #
NAS 1.15:4274 ..... 14 p2193 N91-22111* #
NAS 1.15:4275 ..... 12 p1858 N91-20206* #
NAS 1.15:4276 ..... 12 p1843 N91-20133* #
NAS 1.15:4277 ..... 14 p2279 N91-22606* #
NAS 1.15:4282 ..... 19 p3113 N91-27198* #
NAS 1.15:4283 ..... 14 p2253 N91-22466* #
NAS 1.15:4286 ..... 22 p3698 N91-30589* #
NAS 1.15:4287 ..... 18 p3091 N91-27087* #
NAS 1.15:4288 ..... 17 p2917 N91-26103* #
NAS 1.15:4289 ..... 15 p2388 N91-23215* #
NAS 1.15:4290 ..... 17 p2787 N91-25422* #
NAS 1.15:4291 ..... 18 p3097 N91-27119* #
NAS 1.15:4297 ..... 19 p3244 N91-27940* #
NAS 1.15:4301 ..... 17 p2837 N91-25682* #
NAS 1.15:4303 ..... 20 p3303 N91-28278* #
NAS 1.15:4304 ..... 20 p3363 N91-28627* #
NAS 1.15:4305 ..... 24 p4088 N91-32841* #
NAS 1.15:4310 ..... 19 p3181 N91-27592* #
NAS 1.15:4311 ..... 19 p3231 N91-27862* #
NAS 1.15:4312 ..... 23 p3897 N91-31751* #
NAS 1.15:4320 ..... 22 p3618 N91-30130* #
NAS 1.15:4321 ..... 22 p3693 N91-30563* #
NAS 1.15:4324 ..... 21 p3461 N91-29194* #
NAS 1.15:4327 ..... 23 p3916 N91-31874* #
NAS 1.15:4328 ..... 24 p3962 N91-32140* #
NAS 1.15:83665 ..... 01 p0025 N91-10149* #
NAS 1.15:86680 ..... 18 p2926 N91-26142* #
NAS 1.15:89785 ..... 01 p0016 N91-10100* #
NAS 1.15:100065 ..... 13 p2082 N91-21470* #
NAS 1.15:100243 ..... 14 p2258 N91-22494* #
NAS 1.15:100409 ..... 21 p3457 N91-29177* #
NAS 1.15:100594 ..... 01 p0018 N91-10106* #
NAS 1.15:100660 ..... 01 p0042 N91-10245* #
NAS 1.15:100705 ..... 08 p1189 N91-16536* #
NAS 1.15:100728-VOL-1 ..... 17 p2837 N91-25683* #
NAS 1.15:100728-VOL-2 ..... 17 p2838 N91-25684* #
NAS 1.15:100731 ..... 19 p3201 N91-27696* #
NAS 1.15:100760 ..... 04 p0508 N91-12825* #
NAS 1.15:100765 ..... 06 p0847 N91-14679* #
NAS 1.15:100768 ..... 06 p0813 N91-14494* #
NAS 1.15:100769 ..... 07 p1022 N91-15610* #
NAS 1.15:100770 ..... 04 p0498 N91-12767* #
NAS 1.15:100771 ..... 10 p1557 N91-18561* #
NAS 1.15:100772 ..... 13 p2040 N91-21223* #
NAS 1.15:100773 ..... 13 p2041 N91-21224* #
NAS 1.15:100775 ..... 22 p3705 N91-30619* #
NAS 1.15:101028 ..... 01 p0009 N91-10049* #

NAS 1.15:101105 ..... 06 p0791 N91-14372* #
NAS 1.15:101129 ..... 06 p0832 N91-14600* #
NAS 1.15:101203 ..... 16 p2726 N91-25099* #
NAS 1.15:101249 ..... 06 p0871 N91-14817* #
NAS 1.15:101368 ..... 01 p0020 N91-10117* #
NAS 1.15:101468 ..... 01 p0025 N91-10150* #
NAS 1.15:101537 ..... 16 p2566 N91-24229* #
NAS 1.15:101667 ..... 13 p2041 N91-21225* #
NAS 1.15:101698 ..... 16 p2549 N91-24128* #
NAS 1.15:101700 ..... 07 p0945 N91-15182* #
NAS 1.15:101701 ..... 16 p2628 N91-24555* #
NAS 1.15:101709-REV ..... 13 p2105 N91-21587* #
NAS 1.15:101712 ..... 16 p2629 N91-24556* #
NAS 1.15:101724 ..... 11 p1641 N91-19051* #
NAS 1.15:101727 ..... 11 p1647 N91-19080* #
NAS 1.15:101728 ..... 05 p0624 N91-13460* #
NAS 1.15:101729 ..... 05 p0623 N91-13453* #
NAS 1.15:101730 ..... 11 p1776 N91-19742* #
NAS 1.15:101731 ..... 11 p1647 N91-19081* #
NAS 1.15:101732 ..... 09 p1353 N91-17433* #
NAS 1.15:101733 ..... 11 p1646 N91-19077* #
NAS 1.15:101734 ..... 11 p1642 N91-19055* #
NAS 1.15:101735 ..... 15 p2373 N91-23133* #
NAS 1.15:101736 ..... 09 p1284 N91-17060* #
NAS 1.15:101737 ..... 11 p1650 N91-19095* #
NAS 1.15:101739 ..... 13 p2024 N91-21135* #
NAS 1.15:101741 ..... 14 p2188 N91-22083* #
NAS 1.15:101742 ..... 11 p1647 N91-19083* #
NAS 1.15:101746 ..... 19 p3260 N91-28033* #
NAS 1.15:101801 ..... 13 p2184 N91-22065* #
NAS 1.15:101854 ..... 02 p0200 N91-11118* #
NAS 1.15:102067 ..... 17 p2744 N91-25186* #
NAS 1.15:102150 ..... 02 p0297 N91-11664* #
NAS 1.15:102163 ..... 04 p0463 N91-12590* #
NAS 1.15:102164 ..... 02 p0243 N91-11356* #
NAS 1.15:102165 ..... 11 p1683 N91-19273* #
NAS 1.15:102166 ..... 11 p1683 N91-19274* #
NAS 1.15:102170 ..... 11 p1763 N91-19699* #
NAS 1.15:102172 ..... 22 p3778 N91-31076* #
NAS 1.15:102173 ..... 11 p1813 N91-19959* #
NAS 1.15:102174 ..... 15 p2387 N91-23210* #
NAS 1.15:102175 ..... 13 p2051 N91-21286* #
NAS 1.15:102176 ..... 22 p3718 N91-30692* #
NAS 1.15:102177 ..... 14 p2353 N91-23012* #
NAS 1.15:102178 ..... 13 p2030 N91-21168* #
NAS 1.15:102179 ..... 16 p2619 N91-24501* #
NAS 1.15:102180 ..... 12 p1856 N91-20201* #
NAS 1.15:102199 ..... 07 p1057 N91-15805* #
NAS 1.15:102206 ..... 11 p1643 N91-19062* #
NAS 1.15:102208 ..... 01 p0003 N91-10014* #
NAS 1.15:102228 ..... 14 p2301 N91-22716* #
NAS 1.15:102245 ..... 08 p1093 N91-16001* #
NAS 1.15:102249 ..... 05 p0694 N91-13862* #
NAS 1.15:102255 ..... 05 p0677 N91-13762* #
NAS 1.15:102260 ..... 02 p0249 N91-11384* #
NAS 1.15:102264 ..... 11 p1826 N91-20039* #
NAS 1.15:102267 ..... 11 p1639 N91-19041* #
NAS 1.15:102275 ..... 05 p0732 N91-14087* #
NAS 1.15:102277 ..... 23 p3901 N91-31775* #
NAS 1.15:102280 ..... 06 p0771 N91-14273* #
NAS 1.15:102323 ..... 17 p2790 N91-25436* #
NAS 1.15:102381 ..... 23 p3803 N91-31208* #
NAS 1.15:102420 ..... 13 p2100 N91-21559* #
NAS 1.15:102504 ..... 04 p0532 N91-12954* #
NAS 1.15:102513 ..... 04 p0523 N91-12913* #
NAS 1.15:102521 ..... 16 p2613 N91-24464* #
NAS 1.15:102528 ..... 16 p2549 N91-24124* #
NAS 1.15:102542 ..... 01 p0135 N91-10798* #
NAS 1.15:102610 ..... 04 p0487 N91-12705* #
NAS 1.15:102616 ..... 12 p1899 N91-20447* #
NAS 1.15:102624 ..... 13 p2034 N91-21186* #
NAS 1.15:102627 ..... 08 p1103 N91-16058* #
NAS 1.15:102647 ..... 05 p0626 N91-13467* #
NAS 1.15:102649 ..... 02 p0192 N91-11072* #
NAS 1.15:102669 ..... 13 p2103 N91-21575* #
NAS 1.15:102672 ..... 14 p2190 N91-22096* #
NAS 1.15:102682 ..... 05 p0646 N91-13585* #
NAS 1.15:102683 ..... 02 p0156 N91-10904* #
NAS 1.15:102684 ..... 01 p0118 N91-10699* #
NAS 1.15:102688 ..... 11 p1663 N91-19166* #
NAS 1.15:102698 ..... 19 p3108 N91-27169* #
NAS 1.15:102703 ..... 07 p0947 N91-15191* #
NAS 1.15:102709 ..... 01 p0037 N91-10221* #
NAS 1.15:102711 ..... 09 p1353 N91-17432* #
NAS 1.15:102712 ..... 07 p0971 N91-15332* #
NAS 1.15:102717 ..... 01 p0010 N91-10058* #
NAS 1.15:102720 ..... 11 p1721 N91-19474* #
NAS 1.15:102721 ..... 09 p1384 N91-17612* #
NAS 1.15:102722 ..... 01 p0013 N91-10078* #
NAS 1.15:102725 ..... 03 p0368 N91-12063* #
NAS 1.15:102726 ..... 03 p0343 N91-11920* #
NAS 1.15:102727 ..... 05 p0677 N91-13761* #
NAS 1.15:102728 ..... 01 p0022 N91-10128* #
NAS 1.15:102729 ..... 19 p3148 N91-27401* #
NAS 1.15:102730 ..... 03 p0300 N91-11673* #
NAS 1.15:102731 ..... 03 p0300 N91-11674* #
NAS 1.15:102732 ..... 02 p0158 N91-10918* #
NAS 1.15:102733 ..... 01 p0004 N91-10020* #
NAS 1.15:102734 ..... 02 p0158 N91-10919* #
NAS 1.15:102735 ..... 02 p0224 N91-11252* #
NAS 1.15:102736 ..... 01 p0119 N91-10702* #
NAS 1.15:102737 ..... 07 p0943 N91-15173* #
NAS 1.15:102739 ..... 05 p0707 N91-13941* #
NAS 1.15:102740 ..... 04 p0536 N91-12971* #
NAS 1.15:102741 ..... 05 p0621 N91-13445* #
NAS 1.15:102742 ..... 01 p0031 N91-10182* #
NAS 1.15:102745 ..... 05 p0615 N91-13411* #
NAS 1.15:102746 ..... 03 p0379 N91-12115* #
NAS 1.15:102748 ..... 06 p0838 N91-14629* #
NAS 1.15:102749 ..... 05 p0615 N91-13412* #
NAS 1.15:102750 ..... 04 p0488 N91-12712* #
NAS 1.15:102751 ..... 07 p0969 N91-15319* #
NAS 1.15:102752 ..... 08 p1103 N91-16057* #
NAS 1.15:102753 ..... 03 p0379 N91-12116* #
NAS 1.15:102754 ..... 07 p1000 N91-15490* #
NAS 1.15:102755 ..... 07 p0972 N91-15337* #
NAS 1.15:102756 ..... 10 p1474 N91-18120* #
NAS 1.15:102757 ..... 07 p1020 N91-15605* #
NAS 1.15:102758 ..... 13 p2026 N91-21144* #
NAS 1.15:102759 ..... 07 p1020 N91-15604* #
NAS 1.15:102761 ..... 08 p1164 N91-16407* #
NAS 1.15:102762 ..... 10 p1536 N91-18455* #
NAS 1.15:102763 ..... 11 p1720 N91-19471* #
NAS 1.15:102764 ..... 12 p1911 N91-20505* #
NAS 1.15:102765 ..... 10 p1536 N91-18456* #
NAS 1.15:102766 ..... 08 p1239 N91-16832* #
NAS 1.15:102767 ..... 11 p1645 N91-19073* #
NAS 1.15:102768 ..... 11 p1664 N91-19168* #
NAS 1.15:102769 ..... 16 p2588 N91-24343* #
NAS 1.15:102770 ..... 12 p1828 N91-20046* #
NAS 1.15:102772 ..... 09 p1423 N91-17835* #
NAS 1.15:102773 ..... 12 p1996 N91-20988* #
NAS 1.15:102774 ..... 10 p1613 N91-18898* #
NAS 1.15:102775 ..... 07 p1005 N91-15521* #
NAS 1.15:102776 ..... 13 p2076 N91-21435* #
NAS 1.15:102777 ..... 11 p1722 N91-19482* #
NAS 1.15:102778 ..... 13 p2034 N91-21183* #
NAS 1.15:102779 ..... 12 p1854 N91-20189* #
NAS 1.15:102780 ..... 13 p2039 N91-21214* #
NAS 1.15:102781 ..... 11 p1643 N91-19061* #
NAS 1.15:102793 ..... 01 p0045 N91-10268* #
NAS 1.15:102794 ..... 23 p3781 N91-31078* #
NAS 1.15:102803 ..... 14 p2241 N91-22396* #
NAS 1.15:102805 ..... 01 p0003 N91-10013* #
NAS 1.15:102808 ..... 05 p0625 N91-13466* #
NAS 1.15:102809 ..... 06 p0779 N91-14322* #
NAS 1.15:102812 ..... 19 p3214 N91-27764* #
NAS 1.15:102813 ..... 14 p2189 N91-22091* #
NAS 1.15:102816 ..... 14 p2187 N91-22077* #
NAS 1.15:102817 ..... 16 p2546 N91-24108* #
NAS 1.15:102818 ..... 24 p3948 N91-32070* #
NAS 1.15:102826 ..... 04 p0553 N91-13066* #
NAS 1.15:102828 ..... 05 p0658 N91-13652* #
NAS 1.15:102830 ..... 13 p2024 N91-21131* #
NAS 1.15:102831 ..... 16 p2667 N91-24757* #
NAS 1.15:102832 ..... 15 p2367 N91-23099* #
NAS 1.15:102838 ..... 10 p1463 N91-18066* #
NAS 1.15:102840 ..... 09 p1274 N91-17001* #
NAS 1.15:102841 ..... 05 p0658 N91-13653* #
NAS 1.15:102847 ..... 01 p0043 N91-10252* #
NAS 1.15:102853 ..... 16 p2562 N91-24209* #
NAS 1.15:102854 ..... 15 p2386 N91-23207* #
NAS 1.15:102855 ..... 02 p0161 N91-10933* #
NAS 1.15:102856 ..... 05 p0614 N91-13408* #
NAS 1.15:102857 ..... 08 p1165 N91-16414* #
NAS 1.15:102859 ..... 24 p3948 N91-32071* #
NAS 1.15:102860-VOL-1 ..... 11 p1740 N91-19566* #
NAS 1.15:102860-VOL-2 ..... 14 p2297 N91-22697* #
NAS 1.15:102861 ..... 07 p0989 N91-15426* #
NAS 1.15:102862 ..... 07 p0936 N91-15128* #
NAS 1.15:102863 ..... 22 p3770 N91-31024* #
NAS 1.15:102865 ..... 07 p0935 N91-15124* #
NAS 1.15:102866 ..... 09 p1286 N91-17071* #
NAS 1.15:102867 ..... 01 p0003 N91-10015* #
NAS 1.15:102870 ..... 07 p0939 N91-15147* #
NAS 1.15:102871 ..... 11 p1646 N91-19078* #
NAS 1.15:102872 ..... 07 p1038 N91-15692* #
NAS 1.15:102876 ..... 20 p3279 N91-28134* #
NAS 1.15:102879 ..... 13 p2082 N91-21471* #
NAS 1.15:102885 ..... 11 p1677 N91-19241* #
NAS 1.15:102886 ..... 11 p1781 N91-19770* #
NAS 1.15:102887 ..... 09 p1294 N91-17112* #
NAS 1.15:102888 ..... 06 p0912 N91-15040* #
NAS 1.15:102889 ..... 24 p3963 N91-32145* #
NAS 1.15:102890 ..... 06 p0856 N91-14727* #
NAS 1.15:102910 ..... 01 p0063 N91-10378* #
NAS 1.15:102941 ..... 02 p0251 N91-11389* #
NAS 1.15:102969 ..... 02 p0291 N91-11633* #
NAS 1.15:102976 ..... 05 p0769 N91-14271* #
NAS 1.15:102999 ..... 18 p3085 N91-27055* #
NAS 1.15:103017 ..... 02 p0183 N91-11028* #
NAS 1.15:103041 ..... 09 p1424 N91-17840* #

NAS 1.15:103097 ..... 14 p2252 N91-22460* #
NAS 1.15:103115 ..... 09 p1274 N91-17002* #
NAS 1.15:103169 ..... 06 p0802 N91-14426* #
NAS 1.15:103183 ..... 03 p0301 N91-11675* #
NAS 1.15:103191 ..... 11 p1666 N91-19180* #
NAS 1.15:103193 ..... 03 p0323 N91-11798* #
NAS 1.15:103197 ..... 09 p1348 N91-17407* #
NAS 1.15:103204 ..... 02 p0192 N91-11074* #
NAS 1.15:103214 ..... 08 p1145 N91-16304* #
NAS 1.15:103216 ..... 03 p0324 N91-11802* #
NAS 1.15:103218 ..... 03 p0323 N91-11799* #
NAS 1.15:103226 ..... 10 p1508 N91-18297* #
NAS 1.15:103227 ..... 01 p0020 N91-10118* #
NAS 1.15:103230 ..... 07 p0971 N91-15329* #
NAS 1.15:103232 ..... 14 p2271 N91-22566* #
NAS 1.15:103234 ..... 11 p1665 N91-19178* #
NAS 1.15:103236 ..... 14 p2195 N91-22126* #
NAS 1.15:103238 ..... 03 p0316 N91-11770* #
NAS 1.15:103244 ..... 09 p1350 N91-17415* #
NAS 1.15:103245 ..... 08 p1106 N91-16075* #
NAS 1.15:103247 ..... 01 p0056 N91-10332* #
NAS 1.15:103251 ..... 03 p0301 N91-11676* #
NAS 1.15:103257 ..... 11 p1708 N91-19404* #
NAS 1.15:103258 ..... 13 p2020 N91-21116* #
NAS 1.15:103260 ..... 07 p0937 N91-15134* #
NAS 1.15:103263 ..... 05 p0655 N91-13638* #
NAS 1.15:103265 ..... 02 p0190 N91-11062* #
NAS 1.15:103266 ..... 03 p0343 N91-11922* #
NAS 1.15:103267 ..... 03 p0363 N91-12034* #
NAS 1.15:103268 ..... 06 p0785 N91-14349* #
NAS 1.15:103269 ..... 02 p0189 N91-11058* #
NAS 1.15:103272 ..... 11 p1694 N91-19332* #
NAS 1.15:103273 ..... 06 p0825 N91-14559* #
NAS 1.15:103274 ..... 02 p0216 N91-11205* #
NAS 1.15:103276 ..... 13 p2094 N91-21531* #
NAS 1.15:103277 ..... 03 p0378 N91-12114* #
NAS 1.15:103278 ..... 03 p0313 N91-11752* #
NAS 1.15:103281 ..... 19 p3178 N91-27570* #
NAS 1.15:103282 ..... 01 p0035 N91-10208* #
NAS 1.15:103283 ..... 07 p1025 N91-15628* #
NAS 1.15:103284 ..... 02 p0190 N91-11061* #
NAS 1.15:103285 ..... 07 p0944 N91-15174* #
NAS 1.15:103286 ..... 11 p1698 N91-19351* #
NAS 1.15:103287 ..... 20 p3362 N91-28622* #
NAS 1.15:103288 ..... 01 p0045 N91-10271* #
NAS 1.15:103289 ..... 03 p0399 N91-12215* #
NAS 1.15:103290 ..... 03 p0324 N91-11801* #
NAS 1.15:103293 ..... 01 p0042 N91-10249* #
NAS 1.15:103297 ..... 02 p0251 N91-11390* #
NAS 1.15:103314 ..... 01 p0105 N91-10606* #
NAS 1.15:103326 ..... 14 p2339 N91-22934*
NAS 1.15:103327 ..... 12 p2009 N91-21055* #
NAS 1.15:103332 ..... 10 p1595 N91-18799* #
NAS 1.15:103333 ..... 11 p1817 N91-19979* #
NAS 1.15:103342 ..... 13 p2147 N91-21827* #
NAS 1.15:103372 ..... 09 p1301 N91-17140* #
NAS 1.15:103373 ..... 10 p1483 N91-18175* #
NAS 1.15:103374 ..... 10 p1486 N91-18187* #
NAS 1.15:103380 ..... 14 p2284 N91-22629* #
NAS 1.15:103382 ..... 09 p1424 N91-17836* #
NAS 1.15:103383 ..... 10 p1483 N91-18173* #
NAS 1.15:103384 ..... 13 p2167 N91-21959* #
NAS 1.15:103385 ..... 10 p1555 N91-18550* #
NAS 1.15:103389 ..... 09 p1379 N91-17581* #
NAS 1.15:103390 ..... 09 p1379 N91-17584* #
NAS 1.15:103391 ..... 08 p1221 N91-16728* #
NAS 1.15:103392 ..... 09 p1379 N91-17583* #
NAS 1.15:103393 ..... 09 p1380 N91-17585* #
NAS 1.15:103395 ..... 10 p1485 N91-18181* #
NAS 1.15:103397 ..... 11 p1692 N91-19319* #
NAS 1.15:103398 ..... 11 p1656 N91-19123* #
NAS 1.15:103399 ..... 13 p2125 N91-21696* #
NAS 1.15:103400 ..... 07 p0963 N91-15298* #
NAS 1.15:103402 ..... 07 p1086 N91-15971* #
NAS 1.15:103407 ..... 09 p1379 N91-17582* #
NAS 1.15:103409 ..... 07 p1076 N91-15919* #
NAS 1.15:103410 ..... 10 p1612 N91-18894* #
NAS 1.15:103413 ..... 07 p1051 N91-15771* #
NAS 1.15:103415 ..... 08 p1201 N91-16602* #
NAS 1.15:103417 ..... 07 p1051 N91-15773* #
NAS 1.15:103418 ..... 07 p1051 N91-15772* #
NAS 1.15:103423 ..... 06 p0814 N91-14498* #
NAS 1.15:103424 ..... 13 p2142 N91-21795* #
NAS 1.15:103428 ..... 05 p0615 N91-13413* #
NAS 1.15:103429 ..... 05 p0726 N91-14053* #
NAS 1.15:103437 ..... 04 p0490 N91-12724* #
NAS 1.15:103439 ..... 06 p0885 N91-14892* #
NAS 1.15:103441 ..... 05 p0730 N91-14079* #
NAS 1.15:103443 ..... 03 p0435 N91-12437* #
NAS 1.15:103445 ..... 01 p0093 N91-10543* #
NAS 1.15:103446 ..... 01 p0073 N91-10441* #
NAS 1.15:103447 ..... 04 p0601 N91-13350* #
NAS 1.15:103448 ..... 05 p0644 N91-13575* #
NAS 1.15:103451 ..... 01 p0138 N91-10816* #
NAS 1.15:103460 ..... 02 p0186 N91-11040*
NAS 1.15:103501 ..... 01 p0033 N91-10194* #
NAS 1.15:103507 ..... 01 p0032 N91-10191* #
NAS 1.15:103514 ..... 01 p0049 N91-10294* #
NAS 1.15:103515 ..... 05 p0678 N91-13766* #
NAS 1.15:103516 ..... 01 p0141 N91-10832* #
NAS 1.15:103517 ..... 05 p0702 N91-13910* #
NAS 1.15:103518 ..... 07 p0982 N91-15391* #
NAS 1.15:103520 ..... 07 p1077 N91-15926* #
NAS 1.15:103521 ..... 07 p1032 N91-15660* #
NAS 1.15:103522 ..... 07 p1034 N91-15673* #
NAS 1.15:103523 ..... 07 p1034 N91-15674* #
NAS 1.15:103524 ..... 10 p1531 N91-18436* #
NAS 1.15:103525 ..... 11 p1733 N91-19529* #
NAS 1.15:103526 ..... 10 p1494 N91-18222* #
NAS 1.15:103527 ..... 13 p2095 N91-21532* #
NAS 1.15:103528 ..... 13 p2079 N91-21450* #
NAS 1.15:103529 ..... 13 p2051 N91-21287* #
NAS 1.15:103530 ..... 13 p2113 N91-21633* #
NAS 1.15:103531 ..... 14 p2343 N91-22951* #
NAS 1.15:103532 ..... 14 p2343 N91-22952* #
NAS 1.15:103533 ..... 16 p2638 N91-24599* #
NAS 1.15:103534 ..... 15 p2437 N91-23502* #
NAS 1.15:103535 ..... 16 p2604 N91-24430* #
NAS 1.15:103536 ..... 16 p2635 N91-24584* #
NAS 1.15:103537 ..... 20 p3313 N91-28341* #
NAS 1.15:103538 ..... 17 p2813 N91-25550* #
NAS 1.15:103539 ..... 17 p2814 N91-25555* #
NAS 1.15:103540 ..... 18 p2956 N91-26312* #
NAS 1.15:103541 ..... 18 p2936 N91-26193* #
NAS 1.15:103542 ..... 19 p3137 N91-27330* #
NAS 1.15:103543 ..... 19 p3137 N91-27332* #
NAS 1.15:103544 ..... 20 p3290 N91-28189* #
NAS 1.15:103547 ..... 21 p3605 N91-30061* #
NAS 1.15:103548 ..... 22 p3628 N91-30188* #
NAS 1.15:103550 ..... 22 p3728 N91-30751* #
NAS 1.15:103551 ..... 24 p3977 N91-32217* #
NAS 1.15:103552 ..... 23 p3873 N91-31606* #
NAS 1.15:103553 ..... 24 p3971 N91-32185* #
NAS 1.15:103606 ..... 11 p1791 N91-19825* #
NAS 1.15:103608 ..... 01 p0119 N91-10703* #
NAS 1.15:103611 ..... 07 p0987 N91-15418* #
NAS 1.15:103612 ..... 07 p0969 N91-15318* #
NAS 1.15:103613 ..... 02 p0189 N91-11059* #
NAS 1.15:103614 ..... 07 p1013 N91-15565* #
NAS 1.15:103616 ..... 01 p0132 N91-10780* #
NAS 1.15:103617 ..... 07 p0965 N91-15301* #
NAS 1.15:103618 ..... 03 p0323 N91-11796* #
NAS 1.15:103619 ..... 07 p0966 N91-15306* #
NAS 1.15:103620 ..... 17 p2746 N91-25195* #
NAS 1.15:103621 ..... 06 p0833 N91-14602* #
NAS 1.15:103622 ..... 03 p0323 N91-11797* #
NAS 1.15:103623 ..... 06 p0931 N91-15117* #
NAS 1.15:103624 ..... 02 p0213 N91-11192* #
NAS 1.15:103625 ..... 02 p0267 N91-11494* #
NAS 1.15:103626 ..... 11 p1721 N91-19477* #
NAS 1.15:103627 ..... 02 p0267 N91-11495* #
NAS 1.15:103628 ..... 02 p0266 N91-11493* #
NAS 1.15:103629 ..... 03 p0414 N91-12317* #
NAS 1.15:103630 ..... 06 p0865 N91-14781* #
NAS 1.15:103631 ..... 06 p0815 N91-14500* #
NAS 1.15:103632 ..... 01 p0023 N91-10134* #
NAS 1.15:103633 ..... 03 p0356 N91-11988* #
NAS 1.15:103634 ..... 07 p0939 N91-15146* #
NAS 1.15:103635 ..... 07 p1062 N91-15842* #
NAS 1.15:103636 ..... 09 p1301 N91-17143* #
NAS 1.15:103637 ..... 06 p0838 N91-14632* #
NAS 1.15:103638 ..... 02 p0189 N91-11060* #
NAS 1.15:103639 ..... 11 p1702 N91-19373* #
NAS 1.15:103640 ..... 05 p0623 N91-13455* #
NAS 1.15:103641 ..... 06 p0824 N91-14556* #
NAS 1.15:103642 ..... 05 p0767 N91-14259* #
NAS 1.15:103643 ..... 05 p0631 N91-13495* #
NAS 1.15:103644 ..... 10 p1535 N91-18452* #
NAS 1.15:103645 ..... 03 p0414 N91-12316* #
NAS 1.15:103646 ..... 03 p0368 N91-12064* #
NAS 1.15:103647 ..... 06 p0807 N91-14454* #
NAS 1.15:103648 ..... 11 p1675 N91-19234* #
NAS 1.15:103649 ..... 13 p2043 N91-21240* #
NAS 1.15:103650 ..... 11 p1641 N91-19053* #
NAS 1.15:103651 ..... 05 p0623 N91-13456* #
NAS 1.15:103652 ..... 03 p0348 N91-11945* #
NAS 1.15:103653 ..... 05 p0630 N91-13491* #
NAS 1.15:103654 ..... 06 p0873 N91-14829* #
NAS 1.15:103655 ..... 06 p0878 N91-14850* #
NAS 1.15:103656 ..... 11 p1666 N91-19179* #
NAS 1.15:103657 ..... 01 p0020 N91-10119* #
NAS 1.15:103658 ..... 11 p1715 N91-19442* #
NAS 1.15:103659 ..... 05 p0725 N91-14050* #
NAS 1.15:103660 ..... 04 p0537 N91-12980* #
NAS 1.15:103661 ..... 14 p2236 N91-22371* #
NAS 1.15:103664 ..... 11 p1693 N91-19324* #
NAS 1.15:103665 ..... 11 p1687 N91-19296* #
NAS 1.15:103666 ..... 11 p1679 N91-19256* #
NAS 1.15:103667 ..... 07 p0970 N91-15326* #
NAS 1.15:103668 ..... 11 p1702 N91-19372* #
NAS 1.15:103669 ..... 11 p1676 N91-19236* #
NAS 1.15:103670 ..... 11 p1676 N91-19237* #

NAS 1.15:103671 ..... 12 p1954 N91-20748* #
NAS 1.15:103672 ..... 11 p1697 N91-19348* #
NAS 1.15:103673 ..... 11 p1701 N91-19369* #
NAS 1.15:103674 ..... 06 p0812 N91-14482* #
NAS 1.15:103675 ..... 09 p1352 N91-17427* #
NAS 1.15:103676 ..... 11 p1707 N91-19401* #
NAS 1.15:103677 ..... 11 p1675 N91-19231* #
NAS 1.15:103678 ..... 13 p2025 N91-21137* #
NAS 1.15:103679 ..... 11 p1640 N91-19044* #
NAS 1.15:103680 ..... 11 p1720 N91-19472* #
NAS 1.15:103681 ..... 11 p1675 N91-19230* #
NAS 1.15:103682 ..... 11 p1674 N91-19229* #
NAS 1.15:103683 ..... 05 p0623 N91-13457* #
NAS 1.15:103685 ..... 11 p1686 N91-19292* #
NAS 1.15:103686 ..... 12 p1862 N91-20228* #
NAS 1.15:103687 ..... 11 p1640 N91-19045* #
NAS 1.15:103688 ..... 13 p2044 N91-21243* #
NAS 1.15:103689 ..... 05 p0616 N91-13420* #
NAS 1.15:103690 ..... 11 p1650 N91-19098* #
NAS 1.15:103691 ..... 17 p2785 N91-25411* #
NAS 1.15:103692 ..... 09 p1273 N91-17000* #
NAS 1.15:103693 ..... 11 p1640 N91-19046* #
NAS 1.15:103694 ..... 13 p2054 N91-21302* #
NAS 1.15:103695 ..... 13 p2095 N91-21534* #
NAS 1.15:103696 ..... 12 p1890 N91-20392* #
NAS 1.15:103697 ..... 12 p1906 N91-20489* #
NAS 1.15:103698 ..... 11 p1653 N91-19112* #
NAS 1.15:103699 ..... 12 p1890 N91-20393* #
NAS 1.15:103700 ..... 11 p1698 N91-19349* #
NAS 1.15:103701 ..... 11 p1640 N91-19047* #
NAS 1.15:103702 ..... 11 p1701 N91-19370* #
NAS 1.15:103703 ..... 07 p0965 N91-15303* #
NAS 1.15:103704 ..... 12 p1858 N91-20204* #
NAS 1.15:103705 ..... 06 p0777 N91-14310* #
NAS 1.15:103706 ..... 11 p1702 N91-19371* #
NAS 1.15:103707 ..... 11 p1686 N91-19293* #
NAS 1.15:103708 ..... 07 p0982 N91-15390* #
NAS 1.15:103709 ..... 06 p0777 N91-14309* #
NAS 1.15:103710 ..... 12 p1828 N91-20044* #
NAS 1.15:103711 ..... 11 p1687 N91-19294* #
NAS 1.15:103712 ..... 05 p0617 N91-13421* #
NAS 1.15:103713 ..... 11 p1675 N91-19232* #
NAS 1.15:103714 ..... 12 p1835 N91-20084* #
NAS 1.15:103715 ..... 11 p1665 N91-19176* #
NAS 1.15:103716 ..... 11 p1715 N91-19441* #
NAS 1.15:103717 ..... 14 p2236 N91-22370* #
NAS 1.15:103720 ..... 12 p1901 N91-20453* #
NAS 1.15:103721 ..... 12 p1894 N91-20417* #
NAS 1.15:103722 ..... 12 p1828 N91-20045* #
NAS 1.15:103723 ..... 12 p1899 N91-20445* #
NAS 1.15:103724 ..... 11 p1675 N91-19233* #
NAS 1.15:103725 ..... 14 p2243 N91-22410* #
NAS 1.15:103726 ..... 11 p1702 N91-19374* #
NAS 1.15:103727 ..... 08 p1115 N91-16128* #
NAS 1.15:103728 ..... 11 p1822 N91-20015* #
NAS 1.15:103729 ..... 13 p2042 N91-21233* #
NAS 1.15:103730 ..... 11 p1691 N91-19317* #
NAS 1.15:103731 ..... 11 p1665 N91-19177* #
NAS 1.15:103732 ..... 11 p1719 N91-19463* #
NAS 1.15:103733 ..... 14 p2241 N91-22402* #
NAS 1.15:103734 ..... 11 p1707 N91-19402* #
NAS 1.15:103735 ..... 11 p1663 N91-19165* #
NAS 1.15:103736 ..... 18 p3005 N91-26592* #
NAS 1.15:103737 ..... 14 p2271 N91-22567* #
NAS 1.15:103738 ..... 12 p1842 N91-20126* #
NAS 1.15:103739 ..... 18 p2943 N91-26233* #
NAS 1.15:103741 ..... 15 p2404 N91-23311* #
NAS 1.15:103742 ..... 13 p2011 N91-21060* #
NAS 1.15:103743 ..... 11 p1675 N91-19235* #
NAS 1.15:103744 ..... 15 p2446 N91-23549* #
NAS 1.15:103745 ..... 11 p1784 N91-19786* #
NAS 1.15:103746 ..... 11 p1721 N91-19475* #
NAS 1.15:103748 ..... 11 p1642 N91-19054* #
NAS 1.15:103749 ..... 13 p2160 N91-21910* #
NAS 1.15:103750 ..... 13 p2101 N91-21562* #
NAS 1.15:103751 ..... 11 p1718 N91-19462* #
NAS 1.15:103752 ..... 21 p3608 N91-30073* #
NAS 1.15:103754 ..... 12 p1853 N91-20184* #
NAS 1.15:103756 ..... 19 p3162 N91-27487* #
NAS 1.15:103757 ..... 15 p2382 N91-23183* #
NAS 1.15:103758 ..... 11 p1715 N91-19443* #
NAS 1.15:103759 ..... 14 p2362 N91-23072* #
NAS 1.15:103760 ..... 19 p3122 N91-27247* #
NAS 1.15:103761 ..... 11 p1719 N91-19464* #
NAS 1.15:103762 ..... 11 p1698 N91-19354* #
NAS 1.15:103763 ..... 13 p2076 N91-21433* #
NAS 1.15:103764 ..... 11 p1689 N91-19308* #
NAS 1.15:103765 ..... 14 p2253 N91-22464* #
NAS 1.15:103766 ..... 17 p2830 N91-25630* #
NAS 1.15:103767 ..... 13 p2055 N91-21309* #
NAS 1.15:103768 ..... 14 p2238 N91-22377* #
NAS 1.15:103769 ..... 13 p2078 N91-21448* #
NAS 1.15:103771 ..... 11 p1665 N91-19175* #
NAS 1.15:103772 ..... 21 p3471 N91-29250* #
NAS 1.15:103773 ..... 16 p2677 N91-24817* #
NAS 1.15:103774 ..... 11 p1650 N91-19097* #
NAS 1.15:103775 ..... 13 p2066 N91-21378* #
NAS 1.15:103776 ..... 22 p3689 N91-30539* #
NAS 1.15:103777 ..... 11 p1687 N91-19295* #
NAS 1.15:103778 ..... 11 p1643 N91-19063* #
NAS 1.15:103779 ..... 13 p2011 N91-21061* #
NAS 1.15:103780 ..... 13 p2080 N91-21458* #
NAS 1.15:103781 ..... 11 p1702 N91-19375* #
NAS 1.15:103782 ..... 13 p2100 N91-21558* #
NAS 1.15:103783 ..... 15 p2410 N91-23347* #
NAS 1.15:103784 ..... 11 p1674 N91-19224* #
NAS 1.15:103785 ..... 11 p1780 N91-19766* #
NAS 1.15:103787 ..... 13 p2099 N91-21553* #
NAS 1.15:103788 ..... 11 p1692 N91-19320* #
NAS 1.15:103789 ..... 12 p1969 N91-20830* #
NAS 1.15:103790 ..... 16 p2677 N91-24818* #
NAS 1.15:103791 ..... 13 p2078 N91-21447* #
NAS 1.15:103792 ..... 11 p1809 N91-19935* #
NAS 1.15:103793 ..... 13 p2143 N91-21797* #
NAS 1.15:103794 ..... 11 p1721 N91-19476* #
NAS 1.15:103795 ..... 15 p2439 N91-23515* #
NAS 1.15:103796 ..... 19 p3135 N91-27324* #
NAS 1.15:103797 ..... 15 p2439 N91-23513* #
NAS 1.15:103798 ..... 19 p3176 N91-27558* #
NAS 1.15:103799 ..... 14 p2238 N91-22379* #
NAS 1.15:103801 ..... 15 p2421 N91-23409* #
NAS 1.15:103802 ..... 12 p1892 N91-20406* #
NAS 1.15:103804 ..... 12 p1878 N91-20324* #
NAS 1.15:103805 ..... 12 p1841 N91-20122* #
NAS 1.15:103806 ..... 22 p3690 N91-30546* #
NAS 1.15:103807 ..... 02 p0200 N91-11121* #
NAS 1.15:103808 ..... 01 p0026 N91-10157* #
NAS 1.15:103809 ..... 01 p0022 N91-10131* #
NAS 1.15:103811 ..... 10 p1636 N91-19023* #
NAS 1.15:103812 ..... 08 p1122 N91-16166* #
NAS 1.15:103813 ..... 01 p0073 N91-10442* #
NAS 1.15:103814 ..... 08 p1100 N91-16041* #
NAS 1.15:103815 ..... 09 p1295 N91-17113* #
NAS 1.15:103816 ..... 11 p1655 N91-19118* #
NAS 1.15:103817 ..... 13 p2113 N91-21635* #
NAS 1.15:103818 ..... 16 p2564 N91-24218* #
NAS 1.15:103819 ..... 15 p2477 N91-23718* #
NAS 1.15:103820 ..... 16 p2565 N91-24221* #
NAS 1.15:103821 ..... 18 p3036 N91-26759* #
NAS 1.15:103822 ..... 21 p3464 N91-29210* #
NAS 1.15:103829 ..... 06 p0822 N91-14540* #
NAS 1.15:103831 ..... 09 p1275 N91-17009* #
NAS 1.15:103833 ..... 13 p2024 N91-21134* #
NAS 1.15:103835 ..... 22 p3719 N91-30697* #
NAS 1.15:103836 ..... 11 p1688 N91-19304* #
NAS 1.15:103837 ..... 11 p1791 N91-19826* #
NAS 1.15:103840 ..... 24 p4121 N91-33033* #
NAS 1.15:103844 ..... 13 p2184 N91-22066* #
NAS 1.15:103846 ..... 17 p2727 N91-25102* #
NAS 1.15:103847 ..... 15 p2474 N91-23704* #
NAS 1.15:103849 ..... 17 p2832 N91-25647* #
NAS 1.15:103851 ..... 19 p3216 N91-27773* #
NAS 1.15:103859 ..... 18 p2982 N91-26465* #
NAS 1.15:103860-VOL-1 ..... 15 p2409 N91-23341* #
NAS 1.15:103860-VOL-2 ..... 17 p2765 N91-25304* #
NAS 1.15:103861 ..... 17 p2735 N91-25142* #
NAS 1.15:103862 ..... 17 p2838 N91-25687* #
NAS 1.15:103867 ..... 24 p3960 N91-32134* #
NAS 1.15:103885 ..... 24 p3961 N91-32135* #
NAS 1.15:103886 ..... 18 p3042 N91-26796* #
NAS 1.15:104029 ..... 11 p1709 N91-19415* #
NAS 1.15:104031 ..... 13 p2148 N91-21834* #
NAS 1.15:104032 ..... 14 p2193 N91-22113* #
NAS 1.15:104033 ..... 13 p2104 N91-21580* #
NAS 1.15:104034 ..... 14 p2225 N91-22305* #
NAS 1.15:104036 ..... 23 p3790 N91-31138* #
NAS 1.15:104037 ..... 23 p3790 N91-31139* #
NAS 1.15:104039 ..... 12 p1828 N91-20048* #
NAS 1.15:104040 ..... 12 p1932 N91-20631* #
NAS 1.15:104041 ..... 14 p2225 N91-22306* #
NAS 1.15:104042 ..... 14 p2274 N91-22578* #
NAS 1.15:104045 ..... 13 p2104 N91-21579* #
NAS 1.15:104046 ..... 13 p2103 N91-21574* #
NAS 1.15:104047 ..... 13 p2103 N91-21573* #
NAS 1.15:104048 ..... 13 p2104 N91-21578* #
NAS 1.15:104049 ..... 10 p1494 N91-18223* #
NAS 1.15:104050 ..... 13 p2032 N91-21177* #
NAS 1.15:104051 ..... 10 p1579 N91-18692* #
NAS 1.15:104052 ..... 13 p2102 N91-21572* #
NAS 1.15:104053 ..... 13 p2024 N91-21132* #
NAS 1.15:104054 ..... 18 p2925 N91-26137* #
NAS 1.15:104055 ..... 20 p3305 N91-28293* #
NAS 1.15:104057 ..... 23 p3801 N91-31201* #
NAS 1.15:104058 ..... 19 p3100 N91-27127* #
NAS 1.15:104059 ..... 14 p2276 N91-22589* #
NAS 1.15:104060 ..... 14 p2241 N91-22397* #
NAS 1.15:104062 ..... 14 p2239 N91-22384* #
NAS 1.15:104063 ..... 14 p2339 N91-22931* #
NAS 1.15:104064 ..... 14 p2276 N91-22587* #
NAS 1.15:104065 ..... 13 p2103 N91-21577* #
NAS 1.15:104066 ..... 13 p2055 N91-21308* #
NAS 1.15:104067 ..... 13 p2055 N91-21306* #

NAS 1.15:104068 ..... 21 p3554 N91-29745* #
NAS 1.15:104069 ..... 17 p2790 N91-25437* #
NAS 1.15:104070 ..... 15 p2393 N91-23244* #
NAS 1.15:104071 ..... 14 p2250 N91-22448* #
NAS 1.15:104072 ..... 20 p3280 N91-28137* #
NAS 1.15:104073 ..... 15 p2374 N91-23135* #
NAS 1.15:104074 ..... 16 p2559 N91-24196* #
NAS 1.15:104075 ..... 17 p2760 N91-25283* #
NAS 1.15:104076 ..... 22 p3643 N91-30274* #
NAS 1.15:104077 ..... 22 p3644 N91-30280* #
NAS 1.15:104078 ..... 19 p3101 N91-27132* #
NAS 1.15:104079 ..... 18 p3000 N91-26569* #
NAS 1.15:104080 ..... 17 p2787 N91-25421* #
NAS 1.15:104081 ..... 17 p2815 N91-25557* #
NAS 1.15:104082 ..... 17 p2815 N91-25558* #
NAS 1.15:104083 ..... 19 p3100 N91-27128* #
NAS 1.15:104084 ..... 16 p2565 N91-24220* #
NAS 1.15:104085 ..... 16 p2698 N91-24943* #
NAS 1.15:104086 ..... 17 p2885 N91-25950* #
NAS 1.15:104087 ..... 20 p3279 N91-28131* #
NAS 1.15:104088 ..... 20 p3279 N91-28132* #
NAS 1.15:104089 ..... 22 p3694 N91-30567* #
NAS 1.15:104090 ..... 17 p2919 N91-26112* #
NAS 1.15:104092 ..... 17 p2828 N91-25623* #
NAS 1.15:104093 ..... 19 p3179 N91-27578* #
NAS 1.15:104095 ..... 24 p4117 N91-33013* #
NAS 1.15:104097 ..... 16 p2550 N91-24129* #
NAS 1.15:104098 ..... 23 p3861 N91-31531* #
NAS 1.15:104099 ..... 18 p2966 N91-26378* #
NAS 1.15:104100 ..... 18 p2966 N91-26377* #
NAS 1.15:104101 ..... 19 p3169 N91-27523* #
NAS 1.15:104103 ..... 19 p3162 N91-27486* #
NAS 1.15:104104 ..... 23 p3886 N91-31687* #
NAS 1.15:104105 ..... 23 p3884 N91-31677* #
NAS 1.15:104108 ..... 24 p4031 N91-32526* #
NAS 1.15:104109 ..... 23 p3781 N91-31082* #
NAS 1.15:104110 ..... 19 p3101 N91-27133* #
NAS 1.15:104111 ..... 22 p3669 N91-30430* #
NAS 1.15:104114 ..... 21 p3607 N91-30068* #
NAS 1.15:104116 ..... 19 p3239 N91-27910* #
NAS 1.15:104119 ..... 20 p3319 N91-28373* #
NAS 1.15:104123 ..... 23 p3871 N91-31595* #
NAS 1.15:104124 ..... 23 p3917 N91-31879* #
NAS 1.15:104131 ..... 21 p3469 N91-29239* #
NAS 1.15:104132 ..... 22 p3643 N91-30275* #
NAS 1.15:104137 ..... 22 p3612 N91-30090* #
NAS 1.15:104143 ..... 24 p3951 N91-32084* #
NAS 1.15:104230 ..... 08 p1242 N91-16847* #
NAS 1.15:104232 ..... 14 p2196 N91-22131* #
NAS 1.15:104233 ..... 17 p2736 N91-25147* #
NAS 1.15:104234 ..... 24 p4090 N91-32850* #
NAS 1.15:104235 ..... 22 p3618 N91-30128* #
NAS 1.15:104236 ..... 22 p3622 N91-30153* #
NAS 1.15:104238 ..... 21 p3460 N91-29191* #
NAS 1.15:104239 ..... 22 p3619 N91-30132* #
NAS 1.15:104242 ..... 24 p4090 N91-32851* #
NAS 1.15:104333 ..... 23 p3797 N91-31178* #
NAS 1.15:104334 ..... 13 p2033 N91-21182* #
NAS 1.15:104335 ..... 14 p2235 N91-22367* #
NAS 1.15:104336 ..... 14 p2271 N91-22568* #
NAS 1.15:104337 ..... 14 p2266 N91-22536* #
NAS 1.15:104338 ..... 13 p2034 N91-21184* #
NAS 1.15:104339 ..... 15 p2441 N91-23521* #
NAS 1.15:104340 ..... 13 p2025 N91-21140* #
NAS 1.15:104341 ..... 17 p2761 N91-25286* #
NAS 1.15:104342 ..... 15 p2426 N91-23439* #
NAS 1.15:104343 ..... 22 p3677 N91-30476* #
NAS 1.15:104344 ..... 17 p2837 N91-25680* #
NAS 1.15:104345 ..... 14 p2279 N91-22604* #
NAS 1.15:104346 ..... 24 p3971 N91-32181* #
NAS 1.15:104347 ..... 12 p1957 N91-20765* #
NAS 1.15:104349 ..... 19 p3114 N91-27204* #
NAS 1.15:104350 ..... 15 p2439 N91-23512* #
NAS 1.15:104351 ..... 15 p2382 N91-23184* #
NAS 1.15:104352 ..... 21 p3528 N91-29599* #
NAS 1.15:104353 ..... 14 p2188 N91-22084* #
NAS 1.15:104354 ..... 15 p2393 N91-23247* #
NAS 1.15:104355 ..... 16 p2648 N91-24660* #
NAS 1.15:104356 ..... 15 p2381 N91-23179* #
NAS 1.15:104358 ..... 15 p2437 N91-23501* #
NAS 1.15:104359 ..... 13 p2020 N91-21115* #
NAS 1.15:104360 ..... 20 p3302 N91-28277* #
NAS 1.15:104361 ..... 15 p2439 N91-23514* #
NAS 1.15:104362 ..... 15 p2365 N91-23086* #
NAS 1.15:104363 ..... 15 p2367 N91-23098* #
NAS 1.15:104364 ..... 17 p2742 N91-25175* #
NAS 1.15:104365 ..... 16 p2589 N91-24345* #
NAS 1.15:104366 ..... 15 p2365 N91-23087* #
NAS 1.15:104367 ..... 14 p2277 N91-22594* #
NAS 1.15:104368 ..... 15 p2422 N91-23416* #
NAS 1.15:104369 ..... 14 p2264 N91-22524* #
NAS 1.15:104370 ..... 16 p2591 N91-24360* #
NAS 1.15:104371 ..... 14 p2272 N91-22571* #
NAS 1.15:104372 ..... 18 p2943 N91-26234* #
NAS 1.15:104373 ..... 16 p2566 N91-24225* #
NAS 1.15:104374 ..... 16 p2673 N91-24796* #
NAS 1.15:104375 ..... 14 p2261 N91-22508* #
NAS 1.15:104376 ..... 18 p3055 N91-26872* #
NAS 1.15:104377 ..... 16 p2546 N91-24107* #
NAS 1.15:104378 ..... 24 p4030 N91-32520* #
NAS 1.15:104379 ..... 15 p2446 N91-23548* #
NAS 1.15:104380 ..... 14 p2310 N91-22766* #
NAS 1.15:104381 ..... 17 p2747 N91-25198* #
NAS 1.15:104382 ..... 15 p2391 N91-23233* #
NAS 1.15:104383 ..... 14 p2237 N91-22376* #
NAS 1.15:104384 ..... 14 p2237 N91-22375* #
NAS 1.15:104387 ..... 15 p2391 N91-23234* #
NAS 1.15:104388 ..... 15 p2437 N91-23500* #
NAS 1.15:104389 ..... 15 p2368 N91-23102* #
NAS 1.15:104390 ..... 16 p2623 N91-24527* #
NAS 1.15:104391 ..... 14 p2197 N91-22135* #
NAS 1.15:104392 ..... 15 p2412 N91-23354* #
NAS 1.15:104393 ..... 17 p2742 N91-25173* #
NAS 1.15:104394 ..... 23 p3880 N91-31648* #
NAS 1.15:104395 ..... 22 p3688 N91-30533* #
NAS 1.15:104396 ..... 19 p3176 N91-27559* #
NAS 1.15:104397 ..... 14 p2272 N91-22570* #
NAS 1.15:104398 ..... 14 p2337 N91-22921* #
NAS 1.15:104400 ..... 15 p2446 N91-23550* #
NAS 1.15:104401 ..... 16 p2568 N91-24232* #
NAS 1.15:104402 ..... 15 p2458 N91-23620* #
NAS 1.15:104403 ..... 15 p2364 N91-23083* #
NAS 1.15:104404 ..... 14 p2320 N91-22814* #
NAS 1.15:104405 ..... 15 p2457 N91-23616* #
NAS 1.15:104406 ..... 16 p2627 N91-24550* #
NAS 1.15:104407 ..... 15 p2365 N91-23089* #
NAS 1.15:104408 ..... 22 p3675 N91-30461* #
NAS 1.15:104409 ..... 16 p2611 N91-24460* #
NAS 1.15:104410 ..... 15 p2516 N91-23946* #
NAS 1.15:104411 ..... 15 p2382 N91-23185* #
NAS 1.15:104412 ..... 16 p2561 N91-24202* #
NAS 1.15:104413 ..... 16 p2623 N91-24525* #
NAS 1.15:104414 ..... 16 p2636 N91-24593* #
NAS 1.15:104415 ..... 18 p2987 N91-26490* #
NAS 1.15:104416 ..... 16 p2591 N91-24361* #
NAS 1.15:104417 ..... 17 p2763 N91-25300* #
NAS 1.15:104418 ..... 19 p3167 N91-27511* #
NAS 1.15:104419 ..... 23 p3917 N91-31876* #
NAS 1.15:104420 ..... 15 p2382 N91-23186* #
NAS 1.15:104421 ..... 15 p2409 N91-23340* #
NAS 1.15:104422 ..... 16 p2613 N91-24469* #
NAS 1.15:104423 ..... 16 p2561 N91-24203* #
NAS 1.15:104425 ..... 19 p3114 N91-27208* #
NAS 1.15:104426 ..... 22 p3676 N91-30469* #
NAS 1.15:104428 ..... 17 p2728 N91-25106* #
NAS 1.15:104429 ..... 16 p2581 N91-24305* #
NAS 1.15:104430 ..... 16 p2580 N91-24302* #
NAS 1.15:104431 ..... 17 p2860 N91-25817* #
NAS 1.15:104432 ..... 16 p2627 N91-24548* #
NAS 1.15:104433 ..... 17 p2840 N91-25696* #
NAS 1.15:104434 ..... 17 p2782 N91-25395* #
NAS 1.15:104435 ..... 17 p2768 N91-25320* #
NAS 1.15:104436 ..... 16 p2550 N91-24131* #
NAS 1.15:104437 ..... 16 p2560 N91-24201* #
NAS 1.15:104439 ..... 16 p2626 N91-24541* #
NAS 1.15:104440 ..... 17 p2739 N91-25161* #
NAS 1.15:104441 ..... 23 p3797 N91-31181* #
NAS 1.15:104442 ..... 16 p2588 N91-24341* #
NAS 1.15:104443 ..... 16 p2614 N91-24470* #
NAS 1.15:104444 ..... 16 p2627 N91-24547* #
NAS 1.15:104445 ..... 16 p2648 N91-24659* #
NAS 1.15:104446 ..... 16 p2665 N91-24745* #
NAS 1.15:104447 ..... 17 p2736 N91-25148* #
NAS 1.15:104448 ..... 17 p2744 N91-25183* #
NAS 1.15:104449 ..... 18 p2922 N91-26122* #
NAS 1.15:104451 ..... 17 p2849 N91-25749* #
NAS 1.15:104452 ..... 17 p2847 N91-25739* #
NAS 1.15:104453 ..... 16 p2700 N91-24952* #
NAS 1.15:104454 ..... 17 p2779 N91-25381* #
NAS 1.15:104455 ..... 17 p2743 N91-25179* #
NAS 1.15:104456 ..... 16 p2581 N91-24304* #
NAS 1.15:104458 ..... 17 p2774 N91-25351* #
NAS 1.15:104459 ..... 17 p2741 N91-25172* #
NAS 1.15:104460 ..... 17 p2743 N91-25182* #
NAS 1.15:104461 ..... 19 p3237 N91-27901* #
NAS 1.15:104462 ..... 16 p2627 N91-24549* #
NAS 1.15:104463 ..... 16 p2672 N91-24787* #
NAS 1.15:104464 ..... 16 p2591 N91-24359* #
NAS 1.15:104465 ..... 17 p2785 N91-25413* #
NAS 1.15:104466 ..... 18 p2926 N91-26146* #
NAS 1.15:104467 ..... 19 p3161 N91-27477* #
NAS 1.15:104468 ..... 22 p3689 N91-30538* #
NAS 1.15:104469 ..... 16 p2550 N91-24130* #
NAS 1.15:104470 ..... 23 p3807 N91-31235* #
NAS 1.15:104471 ..... 19 p3185 N91-27611* #
NAS 1.15:104472 ..... 19 p3106 N91-27159* #
NAS 1.15:104473 ..... 16 p2580 N91-24303* #
NAS 1.15:104474 ..... 17 p2785 N91-25412* #
NAS 1.15:104476 ..... 17 p2739 N91-25159* #
NAS 1.15:104479 ..... 23 p3881 N91-31654* #
NAS 1.15:104481 ..... 17 p2780 N91-25387* #
NAS 1.15:104482 ..... 17 p2779 N91-25382* #

NAS 1.15:104483 ..... 18 p2922 N91-26121* #
NAS 1.15:104484 ..... 16 p2677 N91-24815* #
NAS 1.15:104485 ..... 19 p3115 N91-27209* #
NAS 1.15:104486 ..... 17 p2744 N91-25184* #
NAS 1.15:104487 ..... 17 p2806 N91-25510* #
NAS 1.15:104489 ..... 21 p3468 N91-29235* #
NAS 1.15:104490 ..... 19 p3117 N91-27221* #
NAS 1.15:104491 ..... 18 p3055 N91-26870* #
NAS 1.15:104494 ..... 17 p2791 N91-25442* #
NAS 1.15:104495 ..... 22 p3745 N91-30867* #
NAS 1.15:104496 ..... 19 p3177 N91-27569* #
NAS 1.15:104497 ..... 22 p3644 N91-30282* #
NAS 1.15:104499 ..... 19 p3100 N91-27129* #
NAS 1.15:104500 ..... 19 p3154 N91-27437* #
NAS 1.15:104501 ..... 19 p3167 N91-27510* #
NAS 1.15:104502 ..... 21 p3497 N91-29405* #
NAS 1.15:104504 ..... 19 p3114 N91-27207* #
NAS 1.15:104505 ..... 23 p3804 N91-31218* #
NAS 1.15:104507 ..... 24 p3970 N91-32177* #
NAS 1.15:104508 ..... 22 p3669 N91-30427* #
NAS 1.15:104509 ..... 19 p3156 N91-27447* #
NAS 1.15:104510 ..... 18 p2938 N91-26202* #
NAS 1.15:104511 ..... 19 p3116 N91-27214* #
NAS 1.15:104512 ..... 24 p4039 N91-32569* #
NAS 1.15:104513 ..... 22 p3627 N91-30186* #
NAS 1.15:104514 ..... 22 p3641 N91-30265* #
NAS 1.15:104515 ..... 19 p3114 N91-27206* #
NAS 1.15:104516 ..... 19 p3144 N91-27375* #
NAS 1.15:104517 ..... 19 p3156 N91-27444* #
NAS 1.15:104519 ..... 19 p3181 N91-27591* #
NAS 1.15:104520 ..... 21 p3530 N91-29610* #
NAS 1.15:104521 ..... 19 p3107 N91-27165* #
NAS 1.15:104522 ..... 19 p3169 N91-27521* #
NAS 1.15:104523 ..... 19 p3107 N91-27164* #
NAS 1.15:104527 ..... 19 p3115 N91-27212* #
NAS 1.15:104528 ..... 22 p3770 N91-31023* #
NAS 1.15:104529 ..... 19 p3178 N91-27575* #
NAS 1.15:104530 ..... 19 p3235 N91-27886* #
NAS 1.15:104532 ..... 22 p3631 N91-30202* #
NAS 1.15:104533 ..... 23 p3804 N91-31216* #
NAS 1.15:104534 ..... 12 p1924 N91-20586* #
NAS 1.15:104535 ..... 11 p1716 N91-19449* #
NAS 1.15:104536 ..... 11 p1738 N91-19557* #
NAS 1.15:104537 ..... 12 p1910 N91-20500* #
NAS 1.15:104538 ..... 12 p1926 N91-20598* #
NAS 1.15:104539 ..... 13 p2046 N91-21255* #
NAS 1.15:104541 ..... 13 p2117 N91-21654* #
NAS 1.15:104542 ..... 13 p2117 N91-21653* #
NAS 1.15:104544 ..... 22 p3708 N91-30639* #
NAS 1.15:104545 ..... 22 p3630 N91-30200* #
NAS 1.15:104546 ..... 22 p3710 N91-30646* #
NAS 1.15:104735 ..... 16 p2672 N91-24792* #
NAS 1.15:104738 ..... 22 p3722 N91-30713* #
NAS 1.15:104739 ..... 22 p3762 N91-30970* #
NAS 1.15:104740 ..... 24 p4077 N91-32776* #
NAS 1.15:104941 ..... 14 p2205 N91-22183* #
NAS 1.15:104943 ..... 14 p2279 N91-22605* #
NAS 1.15:104946 ..... 14 p2189 N91-22090* #
NAS 1.15:104948 ..... 14 p2233 N91-22353* #
NAS 1.15:104950 ..... 14 p2338 N91-22928* #
NAS 1.15:104951 ..... 14 p2339 N91-22935* #
NAS 1.15:104952 ..... 14 p2205 N91-22182* #
NAS 1.15:104953 ..... 17 p2786 N91-25416* #
NAS 1.15:104956 ..... 14 p2191 N91-22102* #
NAS 1.15:104957 ..... 15 p2387 N91-23213* #
NAS 1.15:104958 ..... 15 p2388 N91-23214* #
NAS 1.15:104962 ..... 17 p2818 N91-25571* #
NAS 1.15:104964 ..... 15 p2444 N91-23539* #
NAS 1.15:104965 ..... 17 p2890 N91-25975* #
NAS 1.15:104977 ..... 18 p3011 N91-26624* #
NAS 1.15:104982 ..... 17 p2791 N91-25444* #
NAS 1.15:104983 ..... 17 p2791 N91-25445* #
NAS 1.15:104985 ..... 16 p2650 N91-24669* #
NAS 1.15:105007 ..... 22 p3732 N91-30776* #
NAS 1.15:105011 ..... 17 p2887 N91-25960* #
NAS 1.15:105018 ..... 19 p3186 N91-27617* #
NAS 1.15:105030 ..... 20 p3288 N91-28180* #
NAS 1.15:105033 ..... 21 p3462 N91-29201* #
NAS 1.15:105034 ..... 22 p3765 N91-30991* #
NAS 1.15:105035 ..... 22 p3658 N91-30359* #
NAS 1.15:105036 ..... 22 p3629 N91-30194* #
NAS 1.15:105037 ..... 23 p3800 N91-31194* #
NAS 1.15:105038 ..... 22 p3774 N91-31045* #
NAS 1.15:105039 ..... 22 p3726 N91-30739* #
NAS 1.15:105040 ..... 22 p3773 N91-31044* #
NAS 1.15:105041 ..... 22 p3626 N91-30177* #
NAS 1.15:105042 ..... 22 p3778 N91-31075* #
NAS 1.15:105043 ..... 22 p3772 N91-31034* #
NAS 1.15:105044 ..... 23 p3937 N91-32003* #
NAS 1.15:105045 ..... 22 p3772 N91-31033* #
NAS 1.15:105047 ..... 22 p3772 N91-31031* #
NAS 1.15:105048-VOL-1 ..... 22 p3774 N91-31047* #
NAS 1.15:105048-VOL-8 ..... 22 p3774 N91-31048* #
NAS 1.15:105049 ..... 22 p3774 N91-31046* #
NAS 1.15:105050 ..... 22 p3771 N91-31030* #
NAS 1.15:105051 ..... 22 p3777 N91-31069* #
NAS 1.15:105052 ..... 22 p3705 N91-30620* #
NAS 1.15:105053 ..... 22 p3777 N91-31068* #
NAS 1.15:105054 ..... 22 p3726 N91-30740* #
NAS 1.15:105055 ..... 22 p3705 N91-30621* #
NAS 1.15:105056 ..... 22 p3778 N91-31070* #
NAS 1.15:105057 ..... 22 p3773 N91-31040* #
NAS 1.15:105058 ..... 22 p3619 N91-30131* #
NAS 1.15:105059 ..... 22 p3766 N91-30996* #
NAS 1.15:105060 ..... 22 p3773 N91-31039* #
NAS 1.15:105061 ..... 22 p3773 N91-31038* #
NAS 1.15:105062 ..... 22 p3772 N91-31037* #
NAS 1.15:105063 ..... 22 p3766 N91-30995* #
NAS 1.15:105064 ..... 22 p3772 N91-31036* #
NAS 1.15:105065 ..... 22 p3772 N91-31035* #
NAS 1.15:105066 ..... 22 p3723 N91-30720* #
NAS 1.15:105067 ..... 22 p3773 N91-31041* #
NAS 1.15:105068 ..... 22 p3764 N91-30983* #
NAS 1.15:105069 ..... 21 p3605 N91-30060* #
NAS 1.15:105070 ..... 22 p3727 N91-30742* #
NAS 1.15:105071 ..... 22 p3726 N91-30741* #
NAS 1.15:105072 ..... 22 p3774 N91-31049* #
NAS 1.15:105073 ..... 22 p3764 N91-30982* #
NAS 1.15:105074 ..... 23 p3908 N91-31813* #
NAS 1.15:105089 ..... 21 p3465 N91-29213* #
NAS 1.15:105090 ..... 20 p3326 N91-28418* #
NAS 1.15:105092 ..... 22 p3772 N91-31032* #
NAS 1.15:105093 ..... 22 p3629 N91-30191* #
NAS 1.15:105094 ..... 22 p3629 N91-30192* #
NAS 1.15:105102 ..... 24 p3951 N91-32085* #
NAS 1.15:105106 ..... 24 p3978 N91-32225* #
NAS 1.15:105137 ..... 22 p3698 N91-30592* #
NAS 1.15:105138 ..... 16 p2700 N91-24951* #
NAS 1.15:105139 ..... 22 p3677 N91-30473* #
NAS 1.15:105140 ..... 21 p3516 N91-29525* #
NAS 1.15:105141 ..... 23 p3804 N91-31220* #
NAS 1.15:105142 ..... 19 p3156 N91-27445* #
NAS 1.15:105144 ..... 21 p3467 N91-29229* #
NAS 1.15:105145 ..... 24 p3966 N91-32158* #
NAS 1.15:105147 ..... 19 p3105 N91-27157* #
NAS 1.15:105148 ..... 22 p3694 N91-30565* #
NAS 1.15:105149 ..... 22 p3639 N91-30252* #
NAS 1.15:105150 ..... 22 p3689 N91-30537* #
NAS 1.15:105151 ..... 19 p3107 N91-27167* #
NAS 1.15:105152 ..... 24 p3967 N91-32164* #
NAS 1.15:105153 ..... 23 p3803 N91-31212* #
NAS 1.15:105155 ..... 22 p3621 N91-30142* #
NAS 1.15:105156 ..... 21 p3468 N91-29231* #
NAS 1.15:105157 ..... 20 p3389 N91-28776* #
NAS 1.15:105158 ..... 19 p3115 N91-27213* #
NAS 1.15:105160 ..... 22 p3675 N91-30462* #
NAS 1.15:105163 ..... 21 p3460 N91-29188* #
NAS 1.15:105164 ..... 20 p3359 N91-28605* #
NAS 1.15:105165 ..... 23 p3873 N91-31605* #
NAS 1.15:105166 ..... 22 p3644 N91-30281* #
NAS 1.15:105167 ..... 21 p3501 N91-29431* #
NAS 1.15:105168 ..... 22 p3694 N91-30566* #
NAS 1.15:105169 ..... 21 p3452 N91-29150* #
NAS 1.15:105170 ..... 21 p3467 N91-29228* #
NAS 1.15:105171 ..... 21 p3479 N91-29298* #
NAS 1.15:105172 ..... 22 p3680 N91-30491* #
NAS 1.15:105173 ..... 21 p3462 N91-29199* #
NAS 1.15:105175 ..... 21 p3468 N91-29230* #
NAS 1.15:105176 ..... 21 p3458 N91-29181* #
NAS 1.15:105177 ..... 22 p3677 N91-30472* #
NAS 1.15:105178 ..... 21 p3485 N91-29332* #
NAS 1.15:105179 ..... 22 p3744 N91-30865* #
NAS 1.15:105180 ..... 21 p3459 N91-29187* #
NAS 1.15:105181 ..... 21 p3466 N91-29221* #
NAS 1.15:105182 ..... 21 p3528 N91-29600* #
NAS 1.15:105183 ..... 22 p3668 N91-30426* #
NAS 1.15:105184 ..... 21 p3592 N91-29982* #
NAS 1.15:105186 ..... 22 p3620 N91-30141* #
NAS 1.15:105187 ..... 22 p3624 N91-30163* #
NAS 1.15:105188 ..... 21 p3497 N91-29404* #
NAS 1.15:105190 ..... 21 p3466 N91-29220* #
NAS 1.15:105191 ..... 20 p3331 N91-28449* #
NAS 1.15:105195 ..... 21 p3466 N91-29222* #
NAS 1.15:105196 ..... 20 p3448 N91-29138* #
NAS 1.15:105197 ..... 20 p3347 N91-28538* #
NAS 1.15:105200 ..... 24 p4083 N91-32806* #
NAS 1.15:105201 ..... 24 p4014 N91-32440* #
NAS 1.15:105202 ..... 22 p3641 N91-30266* #
NAS 1.15:105203 ..... 23 p3922 N91-31911* #
NAS 1.15:105204 ..... 22 p3688 N91-30532* #
NAS 1.15:105205 ..... 24 p4008 N91-32412* #
NAS 1.15:105208 ..... 24 p4017 N91-32458* #
NAS 1.15:105209 ..... 24 p4017 N91-32459* #
NAS 1.15:105210 ..... 23 p3785 N91-31106* #
NAS 1.15:105216 ..... 24 p4123 N91-33046* #
NAS 1.15:105217 ..... 22 p3642 N91-30267* #
NAS 1.15:105220 ..... 23 p3932 N91-31977* #
NAS 1.15:105222 ..... 23 p3804 N91-31217* #
NAS 1.15:105223 ..... 24 p3949 N91-32075* #
NAS 1.15:105224 ..... 23 p3800 N91-31196* #
NAS 1.15:105225 ..... 24 p3949 N91-32074* #
NAS 1.15:105228 ..... 24 p3968 N91-32165* #

NAS 1.15:105229 ..... 23 p3890 N91-31708* #
NAS 1.15:105230 ..... 24 p3971 N91-32182* #
NAS 1.15:105235 ..... 24 p3967 N91-32163* #
NAS 1.15:105237 ..... 23 p3871 N91-31597* #
NAS 1.15:105238 ..... 24 p4017 N91-32460* #
NAS 1.15:105239 ..... 24 p3983 N91-32247* #
NAS 1.15:105242 ..... 24 p3967 N91-32162* #
NAS 1.15:105248 ..... 24 p4008 N91-32410* #
NAS 1.15:105254 ..... 24 p3962 N91-32143* #
NAS 1.15:105256 ..... 24 p3967 N91-32161* #
NAS 1.15:105263 ..... 23 p3821 N91-31318* #
NAS 1.15:105275 ..... 24 p3989 N91-32287* #
NAS 1.15:105280 ..... 24 p3977 N91-32215* #
NAS 1.15:105282 ..... 24 p3975 N91-32204* #
NAS 1.15:105292 ..... 24 p3977 N91-32216* #
NAS 1.15:105293 ..... 24 p4118 N91-33014* #
NAS 1.21:500 ..... 06 p0856 N91-14725* #
NAS 1.21:4215 ..... 19 p3266 N91-28060* #
NAS 1.21:4306 ..... 07 p1087 N91-15975* #
NAS 1.21:6101(03) ..... 04 p0601 N91-13347* #
NAS 1.21:6101(04) ..... 19 p3259 N91-28026* #
NAS 1.21:7011(341) 01 p0102 N91-10594*
NAS 1.21:7011(342) 04 p0552 N91-13063*
NAS 1.21:7011(343) 06 p0853 N91-14711*
NAS 1.21:7011(344) 06 p0854 N91-14712*
NAS 1.21:7011(345) 08 p1191 N91-16547*
NAS 1.21:7011(346) 15 p2473 N91-23700*
NAS 1.21:7011(347) 15 p2474 N91-23701*
NAS 1.21:7011(348) 15 p2474 N91-23702*
NAS 1.21:7011(349) 16 p2663 N91-24731*
NAS 1.21:7011(350) 17 p2823 N91-25600*
NAS 1.21:7011(351) 19 p3212 N91-27756*
NAS 1.21:7011(352) 20 p3381 N91-28729*
NAS 1.21:7011(353) 23 p3899 N91-31760*
NAS 1.21:7037(256) 01 p0001 N91-10002*
NAS 1.21:7037(257) 04 p0463 N91-12589*
NAS 1.21:7037(258) 05 p0613 N91-13399*
NAS 1.21:7037(259) 08 p1089 N91-15979*
NAS 1.21:7037(260) 08 p1089 N91-15978*
NAS 1.21:7037(261) 15 p2363 N91-23073*
NAS 1.21:7037(262) 15 p2363 N91-23074*
NAS 1.21:7037(263) 16 p2544 N91-24096*
NAS 1.21:7037(264) 16 p2544 N91-24097*
NAS 1.21:7037(265) 16 p2544 N91-24095*
NAS 1.21:7037(266) 19 p3099 N91-27122*
NAS 1.21:7037(268) 22 p3609 N91-30077*
NAS 1.21:7039(38)-SECT-1 ..... 09 p1423 N91-17833*
NAS 1.21:7039(38)-SECT-2 ..... 09 p1423 N91-17834*
NAS 1.21:7039(39)-SECT-1 ..... 19 p3262 N91-28042*
NAS 1.21:7039(39)-SECT-2 ..... 20 p3440 N91-29088*
NAS 1.21:7063(04) ..... 04 p0606 N91-13374* #
NAS 1.21:7063(05) ..... 16 p2698 N91-24939* #
NAS 1.21:7064-SUPPL-4 ..... 01 p0136 N91-10804* #
NAS 1.21:7064-SUPPL-5 ..... 11 p1814 N91-19962* #
NAS 1.21:7085(01) 10 p1488 N91-18199*
NAS 1.21:7085(02) 20 p3290 N91-28191*
NAS 1.21:7091 ..... 16 p2704 N91-24965*
NAS 1.21:7092 ..... 22 p3698 N91-30588* #
NAS 1.21:7500(25) 16 p2697 N91-24936*
NAS 1.26.184124 ..... 18 p2936 N91-26195* #
NAS 1.26:3922(33) ..... 04 p0550 N91-13052* #
NAS 1.26:3922(34) 18 p3019 N91-26669*
NAS 1.26:3922(35) ..... 11 p1763 N91-19700* #
NAS 1.26:3922(36) 18 p3019 N91-26670*
NAS 1.26:3922(37) 22 p3713 N91-30669*
NAS 1.26:3958 ..... 11 p1644 N91-19067* #
NAS 1.26:3974 ..... 01 p0094 N91-10548* #
NAS 1.26:4177 ..... 21 p3471 N91-29253* #
NAS 1.26:4256 ..... 18 p2984 N91-26479* #
NAS 1.26:4260 ..... 22 p3629 N91-30195* #
NAS 1.26:4309 ..... 11 p1641 N91-19050* #
NAS 1.26:4319 ..... 01 p0016 N91-10098* #
NAS 1.26:4320 ..... 12 p1831 N91-20062* #
NAS 1.26:4327 ..... 05 p0625 N91-13463* #
NAS 1.26:4329 ..... 11 p1641 N91-19049* #
NAS 1.26:4330 ..... 02 p0166 N91-10964* #
NAS 1.26:4331 ..... 06 p0784 N91-14347* #
NAS 1.26:4333 ..... 05 p0715 N91-13991* #
NAS 1.26:4334 ..... 11 p1714 N91-19435* #
NAS 1.26:4335 ..... 03 p0376 N91-12104* #
NAS 1.26:4336 ..... 03 p0398 N91-12210* #
NAS 1.26:4337 ..... 13 p2112 N91-21625* #
NAS 1.26:4338 ..... 05 p0672 N91-13737* #
NAS 1.26:4339 ..... 09 p1325 N91-17277* #
NAS 1.26:4340 ..... 05 p0705 N91-13930* #
NAS 1.26:4341 ..... 11 p1714 N91-19438* #
NAS 1.26:4342 ..... 11 p1714 N91-19439* #
NAS 1.26:4343 ..... 11 p1663 N91-19164* #
NAS 1.26:4345 ..... 10 p1528 N91-18413* #
NAS 1.26:4346-PT-1 ..... 10 p1542 N91-18489* #
NAS 1.26:4346-PT-2 ..... 10 p1543 N91-18490* #
NAS 1.26:4347 ..... 11 p1725 N91-19498* #
NAS 1.26:4350 ..... 22 p3610 N91-30080* #
NAS 1.26:4351 ..... 12 p1930 N91-20620* #
NAS 1.26:4352 ..... 13 p2028 N91-21155* #
NAS 1.26:4353 ..... 12 p1868 N91-20265* #
NAS 1.26:4355 ..... 13 p2100 N91-21557* #
NAS 1.26:4357 ..... 14 p2277 N91-22595* #
NAS 1.26:4358 ..... 14 p2277 N91-22596* #
NAS 1.26:4359 ..... 14 p2278 N91-22597* #
NAS 1.26:4360 ..... 14 p2278 N91-22598* #
NAS 1.26:4361 ..... 13 p2121 N91-21670* #
NAS 1.26:4362 ..... 14 p2319 N91-22805* #
NAS 1.26:4363 ..... 14 p2280 N91-22609* #
NAS 1.26:4364 ..... 20 p3312 N91-28334* #
NAS 1.26:4365 ..... 16 p2599 N91-24402* #
NAS 1.26:4366 ..... 14 p2234 N91-22359* #
NAS 1.26:4367 ..... 14 p2246 N91-22426* #
NAS 1.26:4368 ..... 16 p2599 N91-24404* #
NAS 1.26:4369 ..... 14 p2187 N91-22080* #
NAS 1.26:4370 ..... 19 p3201 N91-27694* #
NAS 1.26:4371 ..... 17 p2728 N91-25104* #
NAS 1.26:4372 ..... 17 p2829 N91-25625* #
NAS 1.26:4373 ..... 14 p2188 N91-22085* #
NAS 1.26:4375 ..... 16 p2559 N91-24195* #
NAS 1.26:4376 ..... 17 p2738 N91-25158* #
NAS 1.26:4377 ..... 16 p2565 N91-24222* #
NAS 1.26:4378 ..... 18 p3085 N91-27056* #
NAS 1.26:4379 ..... 17 p2916 N91-26100* #
NAS 1.26:4381 ..... 21 p3559 N91-29778* #
NAS 1.26:4382 ..... 19 p3149 N91-27402* #
NAS 1.26:4383 ..... 19 p3173 N91-27546* #
NAS 1.26:4384 ..... 19 p3232 N91-27868* #
NAS 1.26:4385 ..... 19 p3214 N91-27763* #
NAS 1.26:4386 ..... 19 p3233 N91-27873* #
NAS 1.26:4389 ..... 21 p3583 N91-29935* #
NAS 1.26:4390 ..... 20 p3280 N91-28138* #
NAS 1.26:4393 ..... 24 p3965 N91-32155* #
NAS 1.26:4394 ..... 22 p3750 N91-30903* #
NAS 1.26:4395 ..... 23 p3851 N91-31470* #
NAS 1.26:4396-VOL-1 ..... 22 p3679 N91-30489* #
NAS 1.26:4398 ..... 24 p3952 N91-32088* #
NAS 1.26:4399 ..... 23 p3874 N91-31609* #
NAS 1.26:4400 ..... 23 p3885 N91-31684* #
NAS 1.26:4401 ..... 23 p3886 N91-31685* #
NAS 1.26:4402 ..... 23 p3886 N91-31686* #
NAS 1.26:4403 ..... 24 p4090 N91-32853* #
NAS 1.26:166044-VOL-1 ..... 13 p2033 N91-21179* #
NAS 1.26:166044-VOL-2 ..... 13 p2033 N91-21180* #
NAS 1.26:166482 ..... 13 p2080 N91-21459* #
NAS 1.26:171944 ..... 01 p0014 N91-10085* #
NAS 1.26:175077 ..... 16 p2561 N91-24204* #
NAS 1.26:175078 ..... 16 p2561 N91-24205* #
NAS 1.26:175079 ..... 16 p2562 N91-24208* #
NAS 1.26:175080 ..... 16 p2561 N91-24206* #
NAS 1.26:175081 ..... 16 p2562 N91-24207* #
NAS 1.26:176874 ..... 02 p0228 N91-11276* #
NAS 1.26:177372 ..... 13 p2022 N91-21121* #
NAS 1.26:177452 ..... 05 p0617 N91-13424* #
NAS 1.26:177466 ..... 05 p0712 N91-13972* #
NAS 1.26:177522 ..... 13 p2128 N91-21714* #
NAS 1.26:177527 ..... 16 p2608 N91-24452* #
NAS 1.26:177538 ..... 11 p1693 N91-19323* #
NAS 1.26:177549 ..... 19 p3103 N91-27144* #
NAS 1.26:177557 ..... 11 p1771 N91-19714* #
NAS 1.26:177561 ..... 02 p0256 N91-11425* #
NAS 1.26:177565 ..... 13 p2147 N91-21829* #
NAS 1.26:177568 ..... 11 p1643 N91-19060* #
NAS 1.26:177569 ..... 01 p0008 N91-10048* #
NAS 1.26:177570 ..... 06 p0777 N91-14311* #
NAS 1.26:177571-VOL-1 ..... 13 p2027 N91-21149* #
NAS 1.26:177571-VOL-2 ..... 13 p2027 N91-21150* #
NAS 1.26:177572 ..... 07 p0938 N91-15139* #
NAS 1.26:177573 ..... 08 p1095 N91-16012* #
NAS 1.26:177575 ..... 11 p1781 N91-19771* #
NAS 1.26:177576 ..... 18 p2923 N91-26126* #
NAS 1.26:177578 ..... 15 p2374 N91-23136* #
NAS 1.26:177582 ..... 16 p2673 N91-24793* #
NAS 1.26:177583 ..... 17 p2824 N91-25601* #
NAS 1.26:177585 ..... 18 p2925 N91-26139* #
NAS 1.26:177586 ..... 16 p2559 N91-24198* #
NAS 1.26:177589 ..... 19 p3169 N91-27524* #
NAS 1.26:177590 ..... 20 p3285 N91-28168* #
NAS 1.26:178246 ..... 21 p3472 N91-29254* #
NAS 1.26:178883 ..... 21 p3529 N91-29603* #
NAS 1.26:179432 ..... 16 p2562 N91-24210* #
NAS 1.26:179445 ..... 06 p0785 N91-14353* #
NAS 1.26:179447 ..... 12 p1835 N91-20085* #
NAS 1.26:179448 ..... 14 p2193 N91-22116* #
NAS 1.26:179449 ..... 16 p2559 N91-24193* #
NAS 1.26:179450 ..... 16 p2559 N91-24194* #
NAS 1.26:180334 ..... 04 p0577 N91-13210* #
NAS 1.26:180335 ..... 01 p0137 N91-10810* #
NAS 1.26:180428 ..... 01 p0127 N91-10755* #
NAS 1.26:180433 ..... 05 p0732 N91-14088* #
NAS 1.26:180474 ..... 02 p0187 N91-11050* #
NAS 1.26:180489 ..... 01 p0049 N91-10293* #
NAS 1.26:180681 ..... 02 p0263 N91-11474* #
NAS 1.26:180886 ..... 16 p2628 N91-24552* #
NAS 1.26:181054 ..... 04 p0469 N91-12629* #
NAS 1.26:181352 ..... 01 p0007 N91-10039* #
NAS 1.26:181795 ..... 03 p0319 N91-11785* #

NAS 1.26:181850 ..... 21 p3457 N91-29176* #
NAS 1.26:181882 ..... 05 p0621 N91-13447* #
NAS 1.26:181888 ..... 06 p0784 N91-14346* #
NAS 1.26:181918 ..... 16 p2551 N91-24139* #
NAS 1.26:181924-VOL-1 ..... 16 p2548 N91-24118* #
NAS 1.26:181924-VOL-2 ..... 16 p2548 N91-24119* #
NAS 1.26:181990 ..... 12 p1975 N91-20863* #
NAS 1.26:182020 ..... 07 p0945 N91-15180* #
NAS 1.26:182021 ..... 23 p3887 N91-31692* #
NAS 1.26:182063 ..... 03 p0325 N91-11808* #
NAS 1.26:182064 ..... 07 p0963 N91-15300* #
NAS 1.26:182069 ..... 10 p1467 N91-18094* #
NAS 1.26:182070 ..... 04 p0480 N91-12677* #
NAS 1.26:182075 ..... 16 p2681 N91-24844* #
NAS 1.26:182076 ..... 15 p2364 N91-23080* #
NAS 1.26:182077 ..... 15 p2364 N91-23081* #
NAS 1.26:182087 ..... 07 p0989 N91-15425* #
NAS 1.26:182088 ..... 07 p0946 N91-15188* #
NAS 1.26:182092 ..... 04 p0593 N91-13309* #
NAS 1.26:182093 ..... 02 p0182 N91-11027* #
NAS 1.26:182096-SUPPL-5 ..... 05 p0657 N91-13651* #
NAS 1.26:182098 ..... 09 p1337 N91-17342* #
NAS 1.26:182099 ..... 07 p1048 N91-15752* #
NAS 1.26:182100 ..... 01 p0104 N91-10600* #
NAS 1.26:182101 ..... 02 p0257 N91-11430* #
NAS 1.26:182102 ..... 01 p0002 N91-10010* #
NAS 1.26:182103 ..... 01 p0002 N91-10009* #
NAS 1.26:182104 ..... 02 p0252 N91-11397* #
NAS 1.26:182109 ..... 16 p2628 N91-24551* #
NAS 1.26:182123 ..... 01 p0011 N91-10065* #
NAS 1.26:182205 ..... 16 p2644 N91-24636* #
NAS 1.26:182215 ..... 05 p0684 N91-13804*
NAS 1.26:182289 ..... 16 p2607 N91-24451* #
NAS 1.26:182290 ..... 16 p2628 N91-24553* #
NAS 1.26:182323 ..... 05 p0655 N91-13639* #
NAS 1.26:182453 ..... 05 p0704 N91-13929* #
NAS 1.26:182474 ..... 08 p1153 N91-16350* #
NAS 1.26:182851 ..... 05 p0689 N91-13833* #
NAS 1.26:183198 ..... 05 p0629 N91-13487* #
NAS 1.26:183199 ..... 02 p0187 N91-11049* #
NAS 1.26:183200 ..... 05 p0629 N91-13486* #
NAS 1.26:183201 ..... 05 p0629 N91-13485* #
NAS 1.26:183316 ..... 12 p1919 N91-20556* #
NAS 1.26:183317 ..... 12 p1918 N91-20553* #
NAS 1.26:183318 ..... 12 p1919 N91-20557* #
NAS 1.26:183319 ..... 12 p1919 N91-20554* #
NAS 1.26:183320 ..... 12 p1919 N91-20558* #
NAS 1.26:183321 ..... 12 p1919 N91-20555* #
NAS 1.26:183475 ..... 14 p2281 N91-22614* #
NAS 1.26:183476 ..... 12 p1904 N91-20472* #
NAS 1.26:183477 ..... 18 p2993 N91-26527* #
NAS 1.26:183485 ..... 23 p3938 N91-32007* #
NAS 1.26:183490 ..... 23 p3940 N91-32020* #
NAS 1.26:183491 ..... 23 p3940 N91-32021* #
NAS 1.26:183492 ..... 23 p3940 N91-32022* #
NAS 1.26:183493 ..... 24 p4043 N91-32591* #
NAS 1.26:183495 ..... 23 p3939 N91-32012* #
NAS 1.26:183617 ..... 05 p0630 N91-13489* #
NAS 1.26:183660 ..... 16 p2563 N91-24212* #
NAS 1.26:183681 ..... 16 p2614 N91-24471* #
NAS 1.26:183729 ..... 16 p2587 N91-24339* #
NAS 1.26:183730 ..... 18 p2937 N91-26196* #
NAS 1.26:183780 ..... 16 p2587 N91-24340* #
NAS 1.26:183781 ..... 16 p2628 N91-24554* #
NAS 1.26:183824 ..... 21 p3468 N91-29233* #
NAS 1.26:183855 ..... 02 p0184 N91-11034* #
NAS 1.26:183943 ..... 06 p0788 N91-14358* #
NAS 1.26:183950 ..... 02 p0188 N91-11054* #
NAS 1.26:183951 ..... 02 p0189 N91-11055* #
NAS 1.26:183963 ..... 02 p0258 N91-11432* #
NAS 1.26:183969 ..... 02 p0184 N91-11031* #
NAS 1.26:183972 ..... 01 p0019 N91-10111* #
NAS 1.26:183973 ..... 01 p0019 N91-10112* #
NAS 1.26:183974 ..... 01 p0019 N91-10113* #
NAS 1.26:183975 ..... 01 p0019 N91-10114* #
NAS 1.26:183996 ..... 02 p0185 N91-11037* #
NAS 1.26:183997 ..... 02 p0185 N91-11038* #
NAS 1.26:184009 ..... 02 p0195 N91-11091* #
NAS 1.26:184012 ..... 07 p1086 N91-15974* #
NAS 1.26:184013 ..... 06 p0933 N91-15120* #
NAS 1.26:184014 ..... 06 p0933 N91-15119* #
NAS 1.26:184025 ..... 02 p0220 N91-11233* #
NAS 1.26:184026 ..... 01 p0019 N91-10115* #
NAS 1.26:184027 ..... 04 p0494 N91-12746* #
NAS 1.26:184028 ..... 05 p0684 N91-13807* #
NAS 1.26:184029 ..... 04 p0494 N91-12747* #
NAS 1.26:184030 ..... 05 p0643 N91-13569* #
NAS 1.26:184031 ..... 06 p0829 N91-14581* #
NAS 1.26:184032 ..... 05 p0661 N91-13675* #
NAS 1.26:184033 ..... 05 p0693 N91-13856* #
NAS 1.26:184034 ..... 06 p0791 N91-14373* #
NAS 1.26:184035 ..... 04 p0495 N91-12748* #
NAS 1.26:184036 ..... 04 p0493 N91-12738* #
NAS 1.26:184037 ..... 04 p0492 N91-12737* #
NAS 1.26:184040 ..... 05 p0643 N91-13570* #
NAS 1.26:184041 ..... 04 p0495 N91-12749* #
NAS 1.26:184043 ..... 05 p0663 N91-13688* #
NAS 1.26:184044 ..... 10 p1626 N91-18967* #
NAS 1.26:184045 ..... 05 p0689 N91-13832* #
NAS 1.26:184050 ..... 06 p0800 N91-14415* #
NAS 1.26:184051 ..... 06 p0800 N91-14416* #
NAS 1.26:184052 ..... 05 p0627 N91-13474* #
NAS 1.26:184061 ..... 07 p1082 N91-15953* #
NAS 1.26:184068 ..... 09 p1339 N91-17351* #
NAS 1.26:184069 ..... 09 p1339 N91-17352* #
NAS 1.26:184070 ..... 09 p1339 N91-17353* #
NAS 1.26:184071 ..... 08 p1150 N91-16332* #
NAS 1.26:184072 ..... 08 p1150 N91-16333* #
NAS 1.26:184073 ..... 08 p1150 N91-16334* #
NAS 1.26:184074 ..... 08 p1103 N91-16056* #
NAS 1.26:184078 ..... 08 p1104 N91-16064* #
NAS 1.26:184081 ..... 09 p1379 N91-17579* #
NAS 1.26:184082 ..... 09 p1353 N91-17434* #
NAS 1.26:184083 ..... 09 p1300 N91-17135* #
NAS 1.26:184084 ..... 08 p1186 N91-16523* #
NAS 1.26:184091 ..... 13 p2042 N91-21230* #
NAS 1.26:184092 ..... 09 p1301 N91-17139* #
NAS 1.26:184094 ..... 09 p1286 N91-17068* #
NAS 1.26:184095 ..... 07 p0987 N91-15421* #
NAS 1.26:184099 ..... 13 p2042 N91-21232* #
NAS 1.26:184100 ..... 10 p1531 N91-18435* #
NAS 1.26:184101 ..... 13 p2094 N91-21526* #
NAS 1.26:184103 ..... 10 p1491 N91-18209* #
NAS 1.26:184104 ..... 13 p2042 N91-21231* #
NAS 1.26:184105 ..... 10 p1491 N91-18208* #
NAS 1.26:184106 ..... 10 p1506 N91-18288* #
NAS 1.26:184107 ..... 12 p1858 N91-20203* #
NAS 1.26:184108 ..... 10 p1527 N91-18406* #
NAS 1.26:184109 ..... 14 p2225 N91-22303* #
NAS 1.26:184110 ..... 11 p1664 N91-19172* #
NAS 1.26:184111 ..... 14 p2225 N91-22304* #
NAS 1.26:184112 ..... 11 p1663 N91-19162* #
NAS 1.26:184113 ..... 11 p1663 N91-19163* #
NAS 1.26:184114 ..... 14 p2244 N91-22416* #
NAS 1.26:184115 ..... 11 p1674 N91-19223* #
NAS 1.26:184123 ..... 20 p3291 N91-28192* #
NAS 1.26:184125 ..... 19 p3114 N91-27203* #
NAS 1.26:184126 ..... 12 p1924 N91-20589* #
NAS 1.26:184127 ..... 14 p2235 N91-22368* #
NAS 1.26:184128 ..... 14 p2235 N91-22366* #
NAS 1.26:184129-VOL-1-BK-1 ..... 14 p2267 N91-22542* #
NAS 1.26:184130-VOL-1-BK-2 ..... 14 p2267 N91-22541* #
NAS 1.26:184137 ..... 13 p2183 N91-22063* #
NAS 1.26:184138 ..... 14 p2235 N91-22364* #
NAS 1.26:184140 ..... 12 p1879 N91-20327* #
NAS 1.26:184141 ..... 13 p2043 N91-21239* #
NAS 1.26:184143 ..... 14 p2273 N91-22573* #
NAS 1.26:184153 ..... 14 p2234 N91-22363* #
NAS 1.26:184155 ..... 14 p2236 N91-22374* #
NAS 1.26:184156 ..... 14 p2235 N91-22365* #
NAS 1.26:184157 ..... 15 p2390 N91-23229* #
NAS 1.26:184158 ..... 16 p2629 N91-24558* #
NAS 1.26:184161 ..... 13 p2043 N91-21235* #
NAS 1.26:184162 ..... 17 p2813 N91-25548* #
NAS 1.26:184163 ..... 18 p2938 N91-26203* #
NAS 1.26:184165 ..... 18 p3016 N91-26655* #
NAS 1.26:184166 ..... 18 p2956 N91-26313* #
NAS 1.26:184167 ..... 16 p2612 N91-24463* #
NAS 1.26:184169 ..... 21 p3552 N91-29737* #
NAS 1.26:184170 ..... 21 p3573 N91-29865* #
NAS 1.26:184171 ..... 21 p3479 N91-29297* #
NAS 1.26:184172 ..... 21 p3521 N91-29554* #
NAS 1.26:184175 ..... 21 p3510 N91-29488* #
NAS 1.26:184178 ..... 22 p3626 N91-30175* #
NAS 1.26:184183 ..... 22 p3627 N91-30181* #
NAS 1.26:184184 ..... 22 p3641 N91-30262* #
NAS 1.26:184185 ..... 22 p3641 N91-30264* #
NAS 1.26:184186 ..... 22 p3640 N91-30261* #
NAS 1.26:184187 ..... 22 p3641 N91-30263* #
NAS 1.26:184188 ..... 22 p3640 N91-30260* #
NAS 1.26:184189 ..... 22 p3624 N91-30161* #
NAS 1.26:184197 ..... 23 p3874 N91-31607* #
NAS 1.26:184198 ..... 23 p3802 N91-31204* #
NAS 1.26:184200 ..... 24 p4026 N91-32497* #
NAS 1.26:184201 ..... 24 p4041 N91-32579* #
NAS 1.26:184205 ..... 23 p3804 N91-31215* #
NAS 1.26:184208 ..... 23 p3914 N91-31853* #
NAS 1.26:184209 ..... 23 p3803 N91-31214* #
NAS 1.26:184219 ..... 24 p3978 N91-32221* #
NAS 1.26:184238 ..... 24 p3981 N91-32236* #
NAS 1.26:184565 ..... 01 p0056 N91-10333* #
NAS 1.26:184665 ..... 19 p3263 N91-28050* #
NAS 1.26:184846 ..... 13 p2100 N91-21561* #
NAS 1.26:184916 ..... 06 p0802 N91-14429* #
NAS 1.26:184930 ..... 09 p1347 N91-17402* #
NAS 1.26:184932 ..... 03 p0319 N91-11782* #
NAS 1.26:184955 ..... 02 p0294 N91-11649* #
NAS 1.26:184957 ..... 18 p2992 N91-26520* #
NAS 1.26:184983 ..... 18 p2937 N91-26201* #
NAS 1.26:184994 ..... 05 p0706 N91-13939* #
NAS 1.26:185060 ..... 18 p2943 N91-26238* #
NAS 1.26:185101 ..... 06 p0839 N91-14638* #

NAS 1.26:185127 ..... 02 p0203 N91-11134* #
NAS 1.26:185175 ..... 11 p1665 N91-19174* #
NAS 1.26:185192 ..... 15 p2500 N91-23849* #
NAS 1.26:185193 ..... 15 p2500 N91-23850* #
NAS 1.26:185194 ..... 15 p2501 N91-23851* #
NAS 1.26:185195 ..... 15 p2501 N91-23852* #
NAS 1.26:185233 ..... 08 p1104 N91-16063* #
NAS 1.26:185239 ..... 13 p2087 N91-21485* #
NAS 1.26:185253 ..... 14 p2278 N91-22601* #
NAS 1.26:185261 ..... 13 p2045 N91-21252* #
NAS 1.26:185262 ..... 07 p0966 N91-15307* #
NAS 1.26:185264 ..... 08 p1119 N91-16150* #
NAS 1.26:185281 ..... 09 p1356 N91-17452* #
NAS 1.26:185285 ..... 06 p0800 N91-14414* #
NAS 1.26:185289 ..... 01 p0020 N91-10116* #
NAS 1.26:185292 ..... 11 p1640 N91-19048* #
NAS 1.26:185293 ..... 03 p0325 N91-11806* #
NAS 1.26:185294 ..... 04 p0534 N91-12962* #
NAS 1.26:185295 ..... 06 p0792 N91-14378* #
NAS 1.26:185296 ..... 16 p2580 N91-24300* #
NAS 1.26:185298 ..... 12 p1915 N91-20538* #
NAS 1.26:185299 ..... 19 p3117 N91-27224* #
NAS 1.26:185300 ..... 11 p1642 N91-19059* #
NAS 1.26:185301 ..... 06 p0817 N91-14511* #
NAS 1.26:185302 ..... 01 p0023 N91-10133* #
NAS 1.26:185303 ..... 03 p0379 N91-12117* #
NAS 1.26:185304 ..... 03 p0348 N91-11944* #
NAS 1.26:185306 ..... 03 p0313 N91-11753* #
NAS 1.26:185307 ..... 06 p0801 N91-14422* #
NAS 1.26:185343 ..... 18 p2922 N91-26123* #
NAS 1.26:185349 ..... 05 p0734 N91-14098* #
NAS 1.26:185354 ..... 05 p0676 N91-13756* #
NAS 1.26:185355 ..... 05 p0734 N91-14099* #
NAS 1.26:185356 ..... 18 p2986 N91-26488* #
NAS 1.26:185358 ..... 18 p3067 N91-26944* #
NAS 1.26:185384 ..... 19 p3136 N91-27328* #
NAS 1.26:185394 ..... 05 p0629 N91-13484* #
NAS 1.26:185433 ..... 19 p3218 N91-27785* #
NAS 1.26:185453 ..... 18 p3058 N91-26889* #
NAS 1.26:185476 ..... 09 p1354 N91-17437* #
NAS 1.26:185513-PT-1 ..... 06 p0851 N91-14700* #
NAS 1.26:185513-PT-2 ..... 06 p0852 N91-14701* #
NAS 1.26:185516 ..... 16 p2631 N91-24566* #
NAS 1.26:185606 ..... 06 p0855 N91-14719* #
NAS 1.26:185610 ..... 04 p0517 N91-12874* #
NAS 1.26:185612 ..... 02 p0205 N91-11148* #
NAS 1.26:185613 ..... 22 p3625 N91-30168* #
NAS 1.26:185614 ..... 01 p0017 N91-10102* #
NAS 1.26:185628 ..... 22 p3704 N91-30616* #
NAS 1.26:185631 ..... 04 p0556 N91-13081* #
NAS 1.26:185636 ..... 02 p0235 N91-11310* #
NAS 1.26:185637-VOL-1 ..... 18 p3091 N91-27088* #
NAS 1.26:185637-VOL-2 ..... 18 p3094 N91-27103* #
NAS 1.26:185638 ..... 19 p3173 N91-27541* #
NAS 1.26:185640 ..... 16 p2691 N91-24898* #
NAS 1.26:185642 ..... 13 p2075 N91-21427* #
NAS 1.26:185643 ..... 10 p1486 N91-18184* #
NAS 1.26:185644 ..... 10 p1486 N91-18185* #
NAS 1.26:185645 ..... 16 p2636 N91-24594* #
NAS 1.26:185647 ..... 22 p3628 N91-30187* #
NAS 1.26:185650 ..... 23 p3919 N91-31890* #
NAS 1.26:185656 ..... 22 p3655 N91-30344* #
NAS 1.26:185657 ..... 22 p3656 N91-30348* #
NAS 1.26:185658 ..... 22 p3656 N91-30349* #
NAS 1.26:185659 ..... 22 p3656 N91-30347* #
NAS 1.26:185660 ..... 22 p3656 N91-30346* #
NAS 1.26:185661 ..... 19 p3173 N91-27540* #
NAS 1.26:185711 ..... 18 p2996 N91-26544* #
NAS 1.26:185717 ..... 05 p0655 N91-13640* #
NAS 1.26:185839 ..... 18 p2938 N91-26204* #
NAS 1.26:185841 ..... 19 p3244 N91-27939* #
NAS 1.26:185842 ..... 18 p3072 N91-26976* #
NAS 1.26:185843 ..... 18 p2981 N91-26462* #
NAS 1.26:185874 ..... 01 p0120 N91-10707* #
NAS 1.26:185875 ..... 02 p0288 N91-11619* #
NAS 1.26:185876 ..... 24 p4093 N91-32865* #
NAS 1.26:185877 ..... 03 p0420 N91-12350* #
NAS 1.26:185879 ..... 01 p0107 N91-10621* #
NAS 1.26:185880 ..... 01 p0107 N91-10618* #
NAS 1.26:185881 ..... 01 p0107 N91-10619* #
NAS 1.26:185882 ..... 01 p0107 N91-10620* #
NAS 1.26:185901 ..... 05 p0686 N91-13817* #
NAS 1.26:185928 ..... 02 p0251 N91-11392* #
NAS 1.26:185972 ..... 17 p2886 N91-25952* #
NAS 1.26:185987 ..... 19 p3110 N91-27181* #
NAS 1.26:185992 ..... 19 p3182 N91-27597* #
NAS 1.26:186011 ..... 14 p2194 N91-22117* #
NAS 1.26:186013 ..... 18 p2925 N91-26140* #
NAS 1.26:186023 ..... 01 p0021 N91-10122* #
NAS 1.26:186042 ..... 23 p3855 N91-31492* #
NAS 1.26:186086 ..... 18 p2933 N91-26182* #
NAS 1.26:186094 ..... 21 p3584 N91-29937* #
NAS 1.26:186105 ..... 05 p0696 N91-13875* #
NAS 1.26:186111 ..... 19 p3214 N91-27766* #
NAS 1.26:186115 ..... 19 p3214 N91-27765* #
NAS 1.26:186128 ..... 03 p0419 N91-12344* #
NAS 1.26:186180 ..... 12 p1869 N91-20269* #
NAS 1.26:186197 ..... 15 p2430 N91-23458* #
NAS 1.26:186262 ..... 15 p2386 N91-23206* #
NAS 1.26:186266 ..... 22 p3656 N91-30351* #
NAS 1.26:186271 ..... 13 p2081 N91-21463* #
NAS 1.26:186278 ..... 02 p0286 N91-11605* #
NAS 1.26:186317 ..... 03 p0387 N91-12156* #
NAS 1.26:186322 ..... 02 p0251 N91-11393* #
NAS 1.26:186341 ..... 15 p2387 N91-23211* #
NAS 1.26:186376 ..... 03 p0350 N91-11953* #
NAS 1.26:186381 ..... 02 p0204 N91-11144* #
NAS 1.26:186404 ..... 08 p1121 N91-16163* #
NAS 1.26:186413 ..... 06 p0857 N91-14731* #
NAS 1.26:186419 ..... 01 p0117 N91-10695* #
NAS 1.26:186437 ..... 09 p1425 N91-17846* #
NAS 1.26:186467 ..... 05 p0713 N91-13976* #
NAS 1.26:186532 ..... 01 p0017 N91-10101* #
NAS 1.26:186536 ..... 06 p0848 N91-14680* #
NAS 1.26:186543 ..... 08 p1158 N91-16379* #
NAS 1.26:186544 ..... 21 p3516 N91-29527* #
NAS 1.26:186545 ..... 01 p0008 N91-10047* #
NAS 1.26:186546 ..... 02 p0188 N91-11053* #
NAS 1.26:186550 ..... 21 p3466 N91-29219* #
NAS 1.26:186564 ..... 22 p3663 N91-30393* #
NAS 1.26:186565 ..... 23 p3854 N91-31488* #
NAS 1.26:186570 ..... 10 p1567 N91-18615* #
NAS 1.26:186579 ..... 06 p0930 N91-15115* #
NAS 1.26:186610 ..... 05 p0621 N91-13443* #
NAS 1.26:186612 ..... 01 p0101 N91-10591* #
NAS 1.26:186613 ..... 06 p0819 N91-14527* #
NAS 1.26:186616 ..... 24 p4081 N91-32797* #
NAS 1.26:186625 ..... 05 p0704 N91-13928* #
NAS 1.26:186672 ..... 02 p0293 N91-11641* #
NAS 1.26:186689 ..... 02 p0185 N91-11039* #
NAS 1.26:186713 ..... 05 p0733 N91-14097* #
NAS 1.26:186725 ..... 05 p0637 N91-13534* #
NAS 1.26:186726 ..... 05 p0638 N91-13535* #
NAS 1.26:186756 ..... 06 p0844 N91-14665* #
NAS 1.26:186769 ..... 15 p2384 N91-23195* #
NAS 1.26:186793 ..... 05 p0732 N91-14089* #
NAS 1.26:186841 ..... 08 p1101 N91-16045* #
NAS 1.26:186842 ..... 08 p1102 N91-16050* #
NAS 1.26:186844 ..... 06 p0788 N91-14359* #
NAS 1.26:186869 ..... 15 p2421 N91-23408* #
NAS 1.26:186877 ..... 05 p0633 N91-13506* #
NAS 1.26:186879 ..... 02 p0266 N91-11488* #
NAS 1.26:186894 ..... 02 p0252 N91-11396* #
NAS 1.26:186897 ..... 02 p0155 N91-10903* #
NAS 1.26:186899 ..... 06 p0810 N91-14475* #
NAS 1.26:186902 ..... 06 p0836 N91-14624* #
NAS 1.26:186904 ..... 06 p0839 N91-14635* #
NAS 1.26:186916 ..... 05 p0650 N91-13609* #
NAS 1.26:186922 ..... 05 p0698 N91-13885* #
NAS 1.26:186926 ..... 03 p0299 N91-11667* #
NAS 1.26:186929 ..... 01 p0107 N91-10623* #
NAS 1.26:186938 ..... 19 p3100 N91-27126* #
NAS 1.26:186939 ..... 04 p0556 N91-13082* #
NAS 1.26:186940 ..... 04 p0556 N91-13083* #
NAS 1.26:186941 ..... 05 p0686 N91-13818* #
NAS 1.26:186945 ..... 05 p0626 N91-13470* #
NAS 1.26:186953 ..... 01 p0063 N91-10379* #
NAS 1.26:186954 ..... 15 p2387 N91-23212* #
NAS 1.26:186955 ..... 01 p0029 N91-10170* #
NAS 1.26:186958 ..... 01 p0014 N91-10083* #
NAS 1.26:186962 ..... 05 p0699 N91-13893* #
NAS 1.26:186964 ..... 04 p0548 N91-13039* #
NAS 1.26:186965 ..... 04 p0517 N91-12873* #
NAS 1.26:186966 ..... 22 p3723 N91-30721* #
NAS 1.26:186974 ..... 03 p0350 N91-11954* #
NAS 1.26:186986 ..... 05 p0646 N91-13584* #
NAS 1.26:186989 ..... 15 p2385 N91-23200* #
NAS 1.26:186995 ..... 03 p0353 N91-11973* #
NAS 1.26:186996 ..... 04 p0503 N91-12795* #
NAS 1.26:187003 ..... 06 p0852 N91-14702* #
NAS 1.26:187008 ..... 04 p0477 N91-12661* #
NAS 1.26:187009 ..... 01 p0007 N91-10041* #
NAS 1.26:187010 ..... 01 p0010 N91-10061* #
NAS 1.26:187011 ..... 01 p0007 N91-10040* #
NAS 1.26:187012 ..... 04 p0477 N91-12662* #
NAS 1.26:187013 ..... 05 p0699 N91-13895* #
NAS 1.26:187014 ..... 06 p0857 N91-14733* #
NAS 1.26:187015 ..... 05 p0699 N91-13894* #
NAS 1.26:187017 ..... 01 p0129 N91-10763* #
NAS 1.26:187020 ..... 01 p0021 N91-10126* #
NAS 1.26:187021 ..... 05 p0689 N91-13831* #
NAS 1.26:187022 ..... 05 p0687 N91-13819* #
NAS 1.26:187024 ..... 01 p0124 N91-10735* #
NAS 1.26:187029 ..... 06 p0857 N91-14732* #
NAS 1.26:187032 ..... 02 p0186 N91-11042* #
NAS 1.26:187034 ..... 04 p0550 N91-13051* #
NAS 1.26:187035 ..... 19 p3172 N91-27539* #
NAS 1.26:187036 ..... 07 p1019 N91-15598* #
NAS 1.26:187037 ..... 11 p1655 N91-19117* #
NAS 1.26:187039 ..... 08 p1097 N91-16021* #
NAS 1.26:187040 ..... 07 p0962 N91-15297* #
NAS 1.26:187041 ..... 10 p1474 N91-18121* #

NAS 1.26:187042 ..... 11 p1663 N91-19167* #
NAS 1.26:187047 ..... 11 p1698 N91-19350* #
NAS 1.26:187049 ..... 05 p0623 N91-13458* #
NAS 1.26:187050 ..... 11 p1693 N91-19325* #
NAS 1.26:187052 ..... 09 p1394 N91-17671* #
NAS 1.26:187053 ..... 11 p1702 N91-19376* #
NAS 1.26:187055 ..... 11 p1722 N91-19479* #
NAS 1.26:187056 ..... 11 p1707 N91-19403* #
NAS 1.26:187060 ..... 12 p1864 N91-20241* #
NAS 1.26:187063 ..... 12 p1890 N91-20394* #
NAS 1.26:187065 ..... 11 p1701 N91-19367* #
NAS 1.26:187066 ..... 09 p1323 N91-17266* #
NAS 1.26:187067 ..... 14 p2234 N91-22358* #
NAS 1.26:187068 ..... 09 p1337 N91-17341* #
NAS 1.26:187070 ..... 11 p1703 N91-19378* #
NAS 1.26:187071 ..... 22 p3676 N91-30468* #
NAS 1.26:187072 ..... 11 p1718 N91-19461* #
NAS 1.26:187073 ..... 10 p1533 N91-18443* #
NAS 1.26:187076 ..... 11 p1642 N91-19056* #
NAS 1.26:187077 ..... 12 p1932 N91-20630* #
NAS 1.26:187079 ..... 13 p2075 N91-21430* #
NAS 1.26:187080 ..... 15 p2533 N91-24030* #
NAS 1.26:187081 ..... 19 p3114 N91-27205* #
NAS 1.26:187082 ..... 13 p2043 N91-21234* #
NAS 1.26:187083 ..... 14 p2260 N91-22502* #
NAS 1.26:187084 ..... 15 p2381 N91-23181* #
NAS 1.26:187085 ..... 15 p2410 N91-23346* #
NAS 1.26:187087 ..... 12 p1871 N91-20284* #
NAS 1.26:187088 ..... 16 p2566 N91-24224* #
NAS 1.26:187089 ..... 13 p2025 N91-21138* #
NAS 1.26:187092 ..... 16 p2566 N91-24227* #
NAS 1.26:187093 ..... 12 p1890 N91-20390* #
NAS 1.26:187094 ..... 14 p2270 N91-22562* #
NAS 1.26:187095 ..... 09 p1301 N91-17138* #
NAS 1.26:187097 ..... 13 p2155 N91-21880* #
NAS 1.26:187098 ..... 16 p2549 N91-24123* #
NAS 1.26:187100 ..... 17 p2746 N91-25194* #
NAS 1.26:187103 ..... 17 p2741 N91-25171* #
NAS 1.26:187104 ..... 13 p2055 N91-21307* #
NAS 1.26:187106 ..... 17 p2729 N91-25113* #
NAS 1.26:187109 ..... 16 p2567 N91-24230* #
NAS 1.26:187110 ..... 16 p2568 N91-24231* #
NAS 1.26:187112 ..... 18 p2938 N91-26205* #
NAS 1.26:187113 ..... 16 p2566 N91-24226* #
NAS 1.26:187114 ..... 14 p2236 N91-22372* #
NAS 1.26:187115 ..... 17 p2740 N91-25165* #
NAS 1.26:187116 ..... 18 p2981 N91-26461* #
NAS 1.26:187117 ..... 23 p3803 N91-31213* #
NAS 1.26:187119 ..... 19 p3185 N91-27613* #
NAS 1.26:187120 ..... 17 p2865 N91-25843* #
NAS 1.26:187121 ..... 20 p3366 N91-28648* #
NAS 1.26:187124 ..... 17 p2743 N91-25178* #
NAS 1.26:187129 ..... 24 p3961 N91-32138* #
NAS 1.26:187130 ..... 17 p2790 N91-25438* #
NAS 1.26:187131 ..... 17 p2746 N91-25193* #
NAS 1.26:187132 ..... 19 p3121 N91-27243* #
NAS 1.26:187136 ..... 21 p3461 N91-29193* #
NAS 1.26:187137 ..... 19 p3106 N91-27163* #
NAS 1.26:187138 ..... 15 p2386 N91-23205* #
NAS 1.26:187139 ..... 16 p2624 N91-24528* #
NAS 1.26:187140 ..... 22 p3667 N91-30418* #
NAS 1.26:187142 ..... 16 p2581 N91-24306* #
NAS 1.26:187143 ..... 19 p3121 N91-27242* #
NAS 1.26:187144 ..... 24 p3981 N91-32237* #
NAS 1.26:187145 ..... 16 p2651 N91-24673* #
NAS 1.26:187146 ..... 22 p3770 N91-31022* #
NAS 1.26:187150 ..... 19 p3163 N91-27488* #
NAS 1.26:187151 ..... 19 p3165 N91-27502* #
NAS 1.26:187154 ..... 19 p3116 N91-27216* #
NAS 1.26:187155 ..... 19 p3156 N91-27446* #
NAS 1.26:187156 ..... 19 p3115 N91-27211* #
NAS 1.26:187162 ..... 20 p3365 N91-28644* #
NAS 1.26:187163 ..... 19 p3116 N91-27217* #
NAS 1.26:187165 ..... 22 p3630 N91-30201* #
NAS 1.26:187166 ..... 19 p3116 N91-27215* #
NAS 1.26:187167 ..... 22 p3699 N91-30595* #
NAS 1.26:187168 ..... 21 p3567 N91-29832* #
NAS 1.26:187171 ..... 22 p3727 N91-30743* #
NAS 1.26:187172 ..... 23 p3856 N91-31499* #
NAS 1.26:187173 ..... 21 p3452 N91-29147* #
NAS 1.26:187177 ..... 21 p3516 N91-29524* #
NAS 1.26:187178 ..... 21 p3533 N91-29629* #
NAS 1.26:187180 ..... 22 p3693 N91-30562* #
NAS 1.26:187187 ..... 22 p3677 N91-30474* #
NAS 1.26:187188 ..... 21 p3581 N91-29917* #
NAS 1.26:187194 ..... 24 p4021 N91-32474* #
NAS 1.26:187195 ..... 24 p3950 N91-32077* #
NAS 1.26:187196 ..... 24 p4031 N91-32524* #
NAS 1.26:187208 ..... 24 p3962 N91-32141* #
NAS 1.26:187212 ..... 24 p4031 N91-32523* #
NAS 1.26:187213 ..... 23 p3804 N91-31219* #
NAS 1.26:187219 ..... 23 p3803 N91-31209* #
NAS 1.26:187220 ..... 24 p3970 N91-32180* #
NAS 1.26:187230 ..... 24 p3968 N91-32166* #
NAS 1.26:187237 ..... 04 p0607 N91-13378* #
NAS 1.26:187238 ..... 01 p0124 N91-10734* #
NAS 1.26:187239 ..... 05 p0711 N91-13967* #
NAS 1.26:187240 ..... 04 p0578 N91-13219* #
NAS 1.26:187241 ..... 09 p1293 N91-17106* #
NAS 1.26:187242 ..... 04 p0489 N91-12715* #
NAS 1.26:187243 ..... 04 p0489 N91-12716* #
NAS 1.26:187244 ..... 04 p0489 N91-12717* #
NAS 1.26:187245 ..... 04 p0489 N91-12718* #
NAS 1.26:187246 ..... 04 p0489 N91-12719* #
NAS 1.26:187248 ..... 04 p0489 N91-12720* #
NAS 1.26:187249 ..... 03 p0426 N91-12385* #
NAS 1.26:187250 ..... 04 p0601 N91-13349* #
NAS 1.26:187251 ..... 04 p0601 N91-13348* #
NAS 1.26:187252 ..... 01 p0134 N91-10795* #
NAS 1.26:187253 ..... 07 p1022 N91-15608* #
NAS 1.26:187254 ..... 02 p0208 N91-11165* #
NAS 1.26:187255 ..... 04 p0557 N91-13085* #
NAS 1.26:187256 ..... 04 p0604 N91-13362* #
NAS 1.26:187257 ..... 04 p0605 N91-13363* #
NAS 1.26:187258 ..... 04 p0605 N91-13364* #
NAS 1.26:187259 ..... 01 p0134 N91-10794* #
NAS 1.26:187260 ..... 04 p0557 N91-13084* #
NAS 1.26:187261 ..... 01 p0134 N91-10793* #
NAS 1.26:187262 ..... 04 p0567 N91-13147* #
NAS 1.26:187263 ..... 04 p0608 N91-13382* #
NAS 1.26:187264 ..... 03 p0319 N91-11783* #
NAS 1.26:187266 ..... 04 p0557 N91-13087* #
NAS 1.26:187268 ..... 04 p0557 N91-13086* #
NAS 1.26:187293 ..... 04 p0608 N91-13383* #
NAS 1.26:187309 ..... 04 p0557 N91-13090* #
NAS 1.26:187312 ..... 20 p3341 N91-28502* #
NAS 1.26:187318 ..... 05 p0708 N91-13950* #
NAS 1.26:187319 ..... 05 p0708 N91-13949* #
NAS 1.26:187320 ..... 05 p0661 N91-13674* #
NAS 1.26:187321 ..... 06 p0810 N91-14474* #
NAS 1.26:187322 ..... 02 p0161 N91-10934* #
NAS 1.26:187324 ..... 02 p0293 N91-11642* #
NAS 1.26:187325 ..... 01 p0040 N91-10238* #
NAS 1.26:187326 ..... 06 p0848 N91-14684* #
NAS 1.26:187327 ..... 02 p0235 N91-11311* #
NAS 1.26:187328 ..... 02 p0286 N91-11606* #
NAS 1.26:187330 ..... 07 p1028 N91-15642* #
NAS 1.26:187331 ..... 02 p0248 N91-11380* #
NAS 1.26:187332 ..... 01 p0103 N91-10595* #
NAS 1.26:187333 ..... 01 p0109 N91-10633* #
NAS 1.26:187334 ..... 05 p0622 N91-13452* #
NAS 1.26:187335 ..... 06 p0843 N91-14655* #
NAS 1.26:187336 ..... 01 p0017 N91-10105* #
NAS 1.26:187337 ..... 01 p0141 N91-10829* #
NAS 1.26:187338 ..... 01 p0034 N91-10204* #
NAS 1.26:187339 ..... 01 p0038 N91-10222* #
NAS 1.26:187343 ..... 01 p0004 N91-10019* #
NAS 1.26:187344 ..... 04 p0517 N91-12875* #
NAS 1.26:187345 ..... 07 p1070 N91-15886* #
NAS 1.26:187346 ..... 05 p0722 N91-14029* #
NAS 1.26:187347 ..... 02 p0217 N91-11216* #
NAS 1.26:187348 ..... 05 p0732 N91-14090* #
NAS 1.26:187350 ..... 02 p0276 N91-11555* #
NAS 1.26:187351 ..... 05 p0766 N91-14254* #
NAS 1.26:187352 ..... 01 p0057 N91-10335* #
NAS 1.26:187353 ..... 01 p0057 N91-10334* #
NAS 1.26:187357 ..... 05 p0766 N91-14252* #
NAS 1.26:187358 ..... 05 p0766 N91-14255* #
NAS 1.26:187360 ..... 02 p0253 N91-11407* #
NAS 1.26:187361 ..... 05 p0614 N91-13405* #
NAS 1.26:187363 ..... 05 p0766 N91-14256* #
NAS 1.26:187364 ..... 02 p0293 N91-11645* #
NAS 1.26:187365 ..... 03 p0383 N91-12136* #
NAS 1.26:187366 ..... 22 p3727 N91-30745*
NAS 1.26:187367 ..... 02 p0293 N91-11644* #
NAS 1.26:187368 ..... 03 p0417 N91-12335* #
NAS 1.26:187369 ..... 02 p0241 N91-11342* #
NAS 1.26:187370 ..... 03 p0386 N91-12151* #
NAS 1.26:187373 ..... 06 p0772 N91-14277* #
NAS 1.26:187374 ..... 05 p0661 N91-13676* #
NAS 1.26:187375 ..... 02 p0250 N91-11387* #
NAS 1.26:187376 ..... 05 p0680 N91-13782* #
NAS 1.26:187377 ..... 05 p0631 N91-13494* #
NAS 1.26:187379 ..... 06 p0846 N91-14672* #
NAS 1.26:187380 ..... 03 p0370 N91-12071* #
NAS 1.26:187382 ..... 07 p1023 N91-15614* #
NAS 1.26:187383 ..... 04 p0558 N91-13091* #
NAS 1.26:187384 ..... 03 p0418 N91-12336* #
NAS 1.26:187385 ..... 03 p0396 N91-12199* #
NAS 1.26:187389 ..... 04 p0558 N91-13092* #
NAS 1.26:187390 ..... 04 p0557 N91-13089* #
NAS 1.26:187391 ..... 04 p0558 N91-13093* #
NAS 1.26:187392 ..... 04 p0558 N91-13094* #
NAS 1.26:187394 ..... 05 p0661 N91-13677* #
NAS 1.26:187396 ..... 08 p1114 N91-16120* #
NAS 1.26:187397 ..... 03 p0399 N91-12220* #
NAS 1.26:187398 ..... 04 p0558 N91-13095* #
NAS 1.26:187399 ..... 04 p0556 N91-13096* #
NAS 1.26:187400 ..... 04 p0559 N91-13097* #
NAS 1.26:187401 ..... 04 p0559 N91-13098* #
NAS 1.26:187402 ..... 04 p0559 N91-13099* #
NAS 1.26:187403 ..... 04 p0559 N91-13100* #

NAS 1.26:187404 ..... 04 p0559 N91-13101* #
NAS 1.26:187405 ..... 04 p0559 N91-13102* #
NAS 1.26:187406 ..... 04 p0560 N91-13103* #
NAS 1.26:187408 ..... 04 p0560 N91-13104* #
NAS 1.26:187409 ..... 04 p0560 N91-13105* #
NAS 1.26:187410 ..... 07 p0935 N91-15126* #
NAS 1.26:187411 ..... 05 p0690 N91-13841* #
NAS 1.26:187413 ..... 06 p0839 N91-14636* #
NAS 1.26:187414 ..... 05 p0618 N91-13428* #
NAS 1.26:187419 ..... 07 p1001 N91-15495* #
NAS 1.26:187421 ..... 06 p0862 N91-14766* #
NAS 1.26:187422 ..... 05 p0656 N91-13645* #
NAS 1.26:187423 ..... 05 p0633 N91-13510* #
NAS 1.26:187424 ..... 09 p1338 N91-17349* #
NAS 1.26:187425 ..... 06 p0858 N91-14734* #
NAS 1.26:187426 ..... 05 p0656 N91-13644* #
NAS 1.26:187429 ..... 05 p0696 N91-13876* #
NAS 1.26:187430 ..... 05 p0662 N91-13679* #
NAS 1.26:187431 ..... 05 p0725 N91-14049* #
NAS 1.26:187432 ..... 05 p0627 N91-13476* #
NAS 1.26:187433 ..... 06 p0792 N91-14379* #
NAS 1.26:187434 ..... 04 p0529 N91-12933* #
NAS 1.26:187435 ..... 06 p0817 N91-14513* #
NAS 1.26:187436 ..... 24 p4081 N91-32798* #
NAS 1.26:187438 ..... 01 p0108 N91-10628* #
NAS 1.26:187439 ..... 01 p0040 N91-10237* #
NAS 1.26:187440 ..... 01 p0108 N91-10629* #
NAS 1.26:187441 ..... 05 p0711 N91-13966* #
NAS 1.26:187442 ..... 01 p0103 N91-10599* #
NAS 1.26:187443 ..... 01 p0114 N91-10664* #
NAS 1.26:187444 ..... 05 p0701 N91-13907* #
NAS 1.26:187445 ..... 03 p0325 N91-11809* #
NAS 1.26:187446 ..... 10 p1534 N91-18445* #
NAS 1.26:187447 ..... 11 p1722 N91-19478* #
NAS 1.26:187448 ..... 07 p1021 N91-15607* #
NAS 1.26:187449 ..... 09 p1352 N91-17428* #
NAS 1.26:187450 ..... 12 p1890 N91-20395* #
NAS 1.26:187451 ..... 05 p0705 N91-13934* #
NAS 1.26:187452 ..... 05 p0706 N91-13935* #
NAS 1.26:187453 ..... 03 p0399 N91-12217* #
NAS 1.26:187454 ..... 03 p0399 N91-12216* #
NAS 1.26:187455 ..... 01 p0004 N91-10021* #
NAS 1.26:187456 ..... 01 p0004 N91-10022* #
NAS 1.26:187457 ..... 03 p0363 N91-12033* #
NAS 1.26:187458 ..... 01 p0043 N91-10251* #
NAS 1.26:187459 ..... 01 p0042 N91-10250* #
NAS 1.26:187460 ..... 05 p0657 N91-13650* #
NAS 1.26:187461 ..... 05 p0656 N91-13642* #
NAS 1.26:187462 ..... 05 p0709 N91-13952* #
NAS 1.26:187464 ..... 07 p1048 N91-15751* #
NAS 1.26:187465 ..... 05 p0615 N91-13410* #
NAS 1.26:187466 ..... 09 p1384 N91-17613* #
NAS 1.26:187467 ..... 05 p0657 N91-13649* #
NAS 1.26:187469 ..... 05 p0614 N91-13404* #
NAS 1.26:187470 ..... 07 p1019 N91-15599* #
NAS 1.26:187471 ..... 07 p0963 N91-15299* #
NAS 1.26:187472 ..... 11 p1676 N91-19238* #
NAS 1.26:187474 ..... 06 p0856 N91-14726* #
NAS 1.26:187475 ..... 06 p0777 N91-14307* #
NAS 1.26:187476 ..... 05 p0660 N91-13669* #
NAS 1.26:187477 ..... 06 p0777 N91-14308* #
NAS 1.26:187478 ..... 16 p2591 N91-24358* #
NAS 1.26:187479 ..... 08 p1099 N91-16033* #
NAS 1.26:187480 ..... 08 p1211 N91-16664* #
NAS 1.26:187481 ..... 08 p1092 N91-15994* #
NAS 1.26:187482 ..... 08 p1091 N91-15991* #
NAS 1.26:187483 ..... 08 p1145 N91-16305* #
NAS 1.26:187484-VOL-1 ..... 16 p2548 N91-24120* #
NAS 1.26:187484-VOL-2 ..... 16 p2548 N91-24121* #
NAS 1.26:187484-VOL-3 ..... 16 p2548 N91-24122* #
NAS 1.26:187485 ..... 08 p1146 N91-16306* #
NAS 1.26:187486 ..... 08 p1092 N91-15996* #
NAS 1.26:187487 ..... 08 p1092 N91-15995* #
NAS 1.26:187488 ..... 11 p1701 N91-19366* #
NAS 1.26:187489 ..... 11 p1775 N91-19737* #
NAS 1.26:187490 ..... 17 p2741 N91-25168* #
NAS 1.26:187491 ..... 11 p1779 N91-19756* #
NAS 1.26:187492 ..... 09 p1386 N91-17626* #
NAS 1.26:187494 ..... 09 p1386 N91-17625* #
NAS 1.26:187495 ..... 10 p1473 N91-18116* #
NAS 1.26:187496 ..... 09 p1286 N91-17069* #
NAS 1.26:187497 ..... 09 p1392 N91-17658* #
NAS 1.26:187498 ..... 11 p1772 N91-19715* #
NAS 1.26:187499 ..... 11 p1772 N91-19716* #
NAS 1.26:187500 ..... 10 p1462 N91-18062* #
NAS 1.26:187501 ..... 10 p1567 N91-18613* #
NAS 1.26:187502 ..... 09 p1392 N91-17659* #
NAS 1.26:187503 ..... 14 p2323 N91-22830* #
NAS 1.26:187505 ..... 18 p3043 N91-26800* #
NAS 1.26:187506 ..... 12 p1952 N91-20739* #
NAS 1.26:187508 ..... 10 p1524 N91-18390* #
NAS 1.26:187509 ..... 19 p3110 N91-27179* #
NAS 1.26:187510 ..... 13 p2104 N91-21581* #
NAS 1.26:187512 ..... 10 p1462 N91-18063* #
NAS 1.26:187513 ..... 11 p1640 N91-19043* #
NAS 1.26:187514 ..... 13 p2130 N91-21724* #
NAS 1.26:187515 ..... 10 p1566 N91-18610* #
NAS 1.26:187516 ..... 10 p1586 N91-18740* #
NAS 1.26:187517 ..... 13 p2143 N91-21796* #
NAS 1.26:187518 ..... 10 p1525 N91-18397* #
NAS 1.26:187519 ..... 13 p2079 N91-21453* #
NAS 1.26:187520 ..... 11 p1697 N91-19345* #
NAS 1.26:187521 ..... 11 p1645 N91-19074* #
NAS 1.26:187522 ..... 18 p3043 N91-26797* #
NAS 1.26:187524 ..... 14 p2187 N91-22078* #
NAS 1.26:187526 ..... 24 p3960 N91-32132* #
NAS 1.26:187527 ..... 15 p2506 N91-23887* #
NAS 1.26:187528 ..... 17 p2842 N91-25704* #
NAS 1.26:187529 ..... 13 p2080 N91-21457* #
NAS 1.26:187530 ..... 13 p2079 N91-21455* #
NAS 1.26:187531 ..... 13 p2079 N91-21454* #
NAS 1.26:187532 ..... 13 p2079 N91-21451* #
NAS 1.26:187533 ..... 12 p1846 N91-20146* #
NAS 1.26:187534 ..... 12 p1831 N91-20083* #
NAS 1.26:187535 ..... 13 p2080 N91-21456* #
NAS 1.26:187536 ..... 12 p1899 N91-20446* #
NAS 1.26:187537 ..... 12 p1831 N91-20061* #
NAS 1.26:187538 ..... 13 p2017 N91-21099* #
NAS 1.26:187539 ..... 13 p2025 N91-21139* #
NAS 1.26:187540 ..... 19 p3218 N91-27786* #
NAS 1.26:187541 ..... 13 p2143 N91-21801* #
NAS 1.26:187542 ..... 16 p2677 N91-24819* #
NAS 1.26:187543 ..... 13 p2143 N91-21800* #
NAS 1.26:187545 ..... 22 p3619 N91-30136* #
NAS 1.26:187546 ..... 16 p2681 N91-24845* #
NAS 1.26:187547 ..... 20 p3389 N91-28777* #
NAS 1.26:187548 ..... 24 p3979 N91-32231* #
NAS 1.26:187550 ..... 15 p2425 N91-23434* #
NAS 1.26:187551 ..... 14 p2266 N91-22537* #
NAS 1.26:187552 ..... 15 p2425 N91-23433* #
NAS 1.26:187553 ..... 19 p3240 N91-27916* #
NAS 1.26:187557 ..... 23 p3924 N91-31926* #
NAS 1.26:187558 ..... 23 p3924 N91-31927* #
NAS 1.26:187559 ..... 23 p3924 N91-31923* #
NAS 1.26:187560 ..... 19 p3238 N91-27909* #
NAS 1.26:187561 ..... 19 p3233 N91-27877* #
NAS 1.26:187562 ..... 16 p2549 N91-24126* #
NAS 1.26:187563 ..... 16 p2549 N91-24127* #
NAS 1.26:187564 ..... 16 p2549 N91-24125* #
NAS 1.26:187565 ..... 17 p2728 N91-25105* #
NAS 1.26:187566 ..... 16 p2627 N91-24546* #
NAS 1.26:187567 ..... 16 p2679 N91-24833* #
NAS 1.26:187568 ..... 17 p2832 N91-25644* #
NAS 1.26:187569 ..... 16 p2666 N91-24746* #
NAS 1.26:187571 ..... 18 p3038 N91-26767* #
NAS 1.26:187572 ..... 19 p3136 N91-27329* #
NAS 1.26:187573 ..... 20 p3362 N91-28626* #
NAS 1.26:187574 ..... 21 p3559 N91-29777* #
NAS 1.26:187575 ..... 24 p3974 N91-32200* #
NAS 1.26:187576 ..... 23 p3885 N91-31679* #
NAS 1.26:187578 ..... 19 p3171 N91-27530* #
NAS 1.26:187579 ..... 19 p3099 N91-27121* #
NAS 1.26:187582 ..... 19 p3232 N91-27869* #
NAS 1.26:187583 ..... 22 p3722 N91-30712* #
NAS 1.26:187584 ..... 19 p3235 N91-27888* #
NAS 1.26:187585 ..... 19 p3235 N91-27887* #
NAS 1.26:187586 ..... 19 p3163 N91-27490* #
NAS 1.26:187589 ..... 19 p3203 N91-27702* #
NAS 1.26:187590 ..... 22 p3728 N91-30748* #
NAS 1.26:187591 ..... 19 p3165 N91-27501* #
NAS 1.26:187592 ..... 20 p3393 N91-28806* #
NAS 1.26:187595 ..... 23 p3919 N91-31888* #
NAS 1.26:187597 ..... 24 p4030 N91-32519* #
NAS 1.26:187599 ..... 24 p4032 N91-32527* #
NAS 1.26:187600 ..... 22 p3611 N91-30089* #
NAS 1.26:187601 ..... 22 p3728 N91-30750* #
NAS 1.26:187602 ..... 22 p3613 N91-30096* #
NAS 1.26:187603 ..... 22 p3612 N91-30093* #
NAS 1.26:187604 ..... 22 p3676 N91-30465* #
NAS 1.26:187605 ..... 22 p3728 N91-30749* #
NAS 1.26:187606 ..... 22 p3624 N91-30162* #
NAS 1.26:187607 ..... 22 p3677 N91-30475* #
NAS 1.26:187608 ..... 22 p3744 N91-30866* #
NAS 1.26:187609 ..... 22 p3612 N91-30094* #
NAS 1.26:187610 ..... 22 p3613 N91-30097* #
NAS 1.26:187611 ..... 22 p3676 N91-30466* #
NAS 1.26:187612 ..... 22 p3611 N91-30088* #
NAS 1.26:187613 ..... 22 p3676 N91-30467* #
NAS 1.26:187614 ..... 22 p3623 N91-30156* #
NAS 1.26:187617 ..... 24 p4014 N91-32441* #
NAS 1.26:187618 ..... 23 p3919 N91-31889* #
NAS 1.26:187619 ..... 23 p3868 N91-31576* #
NAS 1.26:187629 ..... 24 p4018 N91-32463* #
NAS 1.26:187638 ..... 11 p1824 N91-20022* #
NAS 1.26:187640 ..... 04 p0608 N91-13381* #
NAS 1.26:187644 ..... 04 p0560 N91-13108* #
NAS 1.26:187645 ..... 04 p0542 N91-13009* #
NAS 1.26:187646 ..... 05 p0701 N91-13904* #
NAS 1.26:187647 ..... 05 p0657 N91-13648* #
NAS 1.26:187648 ..... 06 p0884 N91-14885* #
NAS 1.26:187649 ..... 06 p0838 N91-14630* #
NAS 1.26:187650 ..... 05 p0726 N91-14055* #

NAS 1.26:187651 ..... 06 p0833 N91-14603* #
NAS 1.26:187652 ..... 07 p1047 N91-15749* #
NAS 1.26:187653 ..... 05 p0641 N91-13554* #
NAS 1.26:187654 ..... 04 p0587 N91-13279* #
NAS 1.26:187656 ..... 05 p0701 N91-13906* #
NAS 1.26:187657 ..... 06 p0802 N91-14424* #
NAS 1.26:187658 ..... 05 p0621 N91-13446* #
NAS 1.26:187660 ..... 09 p1298 N91-17123* #
NAS 1.26:187661 ..... 09 p1376 N91-17557* #
NAS 1.26:187662 ..... 09 p1376 N91-17558* #
NAS 1.26:187663 ..... 07 p1038 N91-15695* #
NAS 1.26:187666 ..... 05 p0634 N91-13515* #
NAS 1.26:187667 ..... 05 p0676 N91-13760* #
NAS 1.26:187668 ..... 05 p0676 N91-13759* #
NAS 1.26:187669 ..... 05 p0628 N91-13480* #
NAS 1.26:187670 ..... 09 p1300 N91-17134* #
NAS 1.26:187673 ..... 05 p0690 N91-13837* #
NAS 1.26:187674 ..... 05 p0658 N91-13656* #
NAS 1.26:187675 ..... 07 p1001 N91-15496* #
NAS 1.26:187676 ..... 05 p0641 N91-13557* #
NAS 1.26:187677 ..... 06 p0825 N91-14557* #
NAS 1.26:187678 ..... 05 p0670 N91-13722* #
NAS 1.26:187679 ..... 05 p0669 N91-13721* #
NAS 1.26:187680 ..... 09 p1333 N91-17320* #
NAS 1.26:187681 ..... 07 p1048 N91-15750* #
NAS 1.26:187682 ..... 04 p0587 N91-13278* #
NAS 1.26:187683 ..... 07 p1085 N91-15968* #
NAS 1.26:187684 ..... 06 p0869 N91-14803* #
NAS 1.26:187685 ..... 09 p1296 N91-17116* #
NAS 1.26:187686 ..... 09 p1344 N91-17382* #
NAS 1.26:187687 ..... 06 p0915 N91-15044* #
NAS 1.26:187689 ..... 05 p0670 N91-13725* #
NAS 1.26:187690 ..... 07 p0990 N91-15433* #
NAS 1.26:187691 ..... 06 p0846 N91-14673* #
NAS 1.26:187692 ..... 06 p0915 N91-15045* #
NAS 1.26:187694 ..... 06 p0872 N91-14825* #
NAS 1.26:187695 ..... 06 p0869 N91-14802* #
NAS 1.26:187696 ..... 06 p0840 N91-14639* #
NAS 1.26:187698 ..... 08 p1176 N91-16473* #
NAS 1.26:187699 ..... 08 p1176 N91-16472* #
NAS 1.26:187701 ..... 07 p1001 N91-15497* #
NAS 1.26:187702 ..... 06 p0825 N91-14558* #
NAS 1.26:187703 ..... 06 p0843 N91-14657* #
NAS 1.26:187704 ..... 05 p0681 N91-13788* #
NAS 1.26:187705 ..... 05 p0622 N91-13449* #
NAS 1.26:187706 ..... 05 p0712 N91-13971* #
NAS 1.26:187708 ..... 19 p3265 N91-28059* #
NAS 1.26:187709 ..... 06 p0812 N91-14483* #
NAS 1.26:187710 ..... 09 p1344 N91-17386* #
NAS 1.26:187711 ..... 22 p3713 N91-30668* #
NAS 1.26:187713 ..... 05 p0617 N91-13422* #
NAS 1.26:187714 ..... 06 p0930 N91-15114* #
NAS 1.26:187715 ..... 06 p0830 N91-14586* #
NAS 1.26:187719 ..... 24 p4092 N91-32864* #
NAS 1.26:187721 ..... 07 p0994 N91-15453* #
NAS 1.26:187722 ..... 05 p0678 N91-13768* #
NAS 1.26:187723 ..... 07 p1082 N91-15955* #
NAS 1.26:187724 ..... 07 p1007 N91-15529* #
NAS 1.26:187725 ..... 07 p1082 N91-15954* #
NAS 1.26:187727 ..... 09 p1297 N91-17117* #
NAS 1.26:187730 ..... 07 p1011 N91-15554* #
NAS 1.26:187731 ..... 09 p1272 N91-16992* #
NAS 1.26:187732 ..... 06 p0789 N91-14365* #
NAS 1.26:187733 ..... 06 p0789 N91-14366* #
NAS 1.26:187734 ..... 06 p0790 N91-14367* #
NAS 1.26:187735 ..... 06 p0790 N91-14368* #
NAS 1.26:187736 ..... 13 p2116 N91-21649* #
NAS 1.26:187737 ..... 07 p0936 N91-15129* #
NAS 1.26:187748 ..... 07 p1022 N91-15612* #
NAS 1.26:187750 ..... 06 p0841 N91-14647* #
NAS 1.26:187751 ..... 08 p1159 N91-16385* #
NAS 1.26:187752 ..... 09 p1421 N91-17821* #
NAS 1.26:187755 ..... 14 p2194 N91-22121* #
NAS 1.26:187756 ..... 08 p1142 N91-16289* #
NAS 1.26:187759 ..... 07 p1003 N91-15506* #
NAS 1.26:187760 ..... 08 p1090 N91-15981* #
NAS 1.26:187764 ..... 22 p3760 N91-30962* #
NAS 1.26:187767 ..... 08 p1091 N91-15987* #
NAS 1.26:187768 ..... 08 p1236 N91-16813* #
NAS 1.26:187769 ..... 08 p1090 N91-15986* #
NAS 1.26:187774 ..... 18 p2972 N91-26407*
NAS 1.26:187776 ..... 08 p1126 N91-16191* #
NAS 1.26:187777 ..... 08 p1200 N91-16596* #
NAS 1.26:187778 ..... 11 p1816 N91-19973* #
NAS 1.26:187779 ..... 07 p1053 N91-15784* #
NAS 1.26:187780 ..... 07 p1053 N91-15783* #
NAS 1.26:187781 ..... 07 p1029 N91-15647* #
NAS 1.26:187783 ..... 07 p0977 N91-15364* #
NAS 1.26:187784 ..... 09 p1322 N91-17259* #
NAS 1.26:187785 ..... 09 p1366 N91-17509* #
NAS 1.26:187786 ..... 18 p2992 N91-26521* #
NAS 1.26:187787 ..... 07 p1051 N91-15770* #
NAS 1.26:187788 ..... 07 p1029 N91-15649* #
NAS 1.26:187791 ..... 07 p0978 N91-15367* #
NAS 1.26:187793 ..... 09 p1349 N91-17409* #
NAS 1.26:187794 ..... 08 p1127 N91-16194* #
NAS 1.26:187795 ..... 07 p1007 N91-15530* #
NAS 1.26:187799 ..... 07 p1036 N91-15682* #
NAS 1.26:187800 ..... 07 p1020 N91-15603* #
NAS 1.26:187801 ..... 08 p1095 N91-16008* #
NAS 1.26:187805 ..... 08 p1189 N91-16534* #
NAS 1.26:187806 ..... 13 p2059 N91-21331* #
NAS 1.26:187807 ..... 08 p1188 N91-16533* #
NAS 1.26:187808 ..... 08 p1188 N91-16532* #
NAS 1.26:187809 ..... 07 p1014 N91-15566* #
NAS 1.26:187810 ..... 07 p1056 N91-15799* #
NAS 1.26:187811 ..... 07 p1074 N91-15913* #
NAS 1.26:187812 ..... 08 p1189 N91-16535* #
NAS 1.26:187813 ..... 07 p1026 N91-15630* #
NAS 1.26:187814 ..... 07 p1081 N91-15951* #
NAS 1.26:187817 ..... 23 p3927 N91-31947* #
NAS 1.26:187819 ..... 22 p3751 N91-30907* #
NAS 1.26:187823 ..... 22 p3757 N91-30943* #
NAS 1.26:187824 ..... 22 p3655 N91-30343* #
NAS 1.26:187825 ..... 07 p1083 N91-15957* #
NAS 1.26:187826 ..... 10 p1615 N91-18911* #
NAS 1.26:187828 ..... 08 p1207 N91-16639* #
NAS 1.26:187829 ..... 08 p1129 N91-16211* #
NAS 1.26:187831 ..... 08 p1099 N91-16032* #
NAS 1.26:187833 ..... 08 p1164 N91-16411* #
NAS 1.26:187836 ..... 08 p1144 N91-16296* #
NAS 1.26:187837 ..... 08 p1095 N91-16010* #
NAS 1.26:187838 ..... 09 p1425 N91-17845* #
NAS 1.26:187840 ..... 12 p1928 N91-20608* #
NAS 1.26:187841 ..... 07 p1011 N91-15551* #
NAS 1.26:187842 ..... 07 p1001 N91-15498* #
NAS 1.26:187843 ..... 07 p1081 N91-15947* #
NAS 1.26:187844 ..... 16 p2667 N91-24759* #
NAS 1.26:187848 ..... 08 p1095 N91-16011* #
NAS 1.26:187854 ..... 10 p1591 N91-18772* #
NAS 1.26:187855 ..... 08 p1221 N91-16727* #
NAS 1.26:187858 ..... 08 p1105 N91-16065* #
NAS 1.26:187860 ..... 08 p1103 N91-16059* #
NAS 1.26:187864 ..... 08 p1116 N91-16132* #
NAS 1.26:187865 ..... 08 p1130 N91-16212* #
NAS 1.26:187868 ..... 08 p1095 N91-16013* #
NAS 1.26:187870 ..... 09 p1272 N91-16993* #
NAS 1.26:187871 ..... 08 p1236 N91-16816* #
NAS 1.26:187875 ..... 09 p1355 N91-17444* #
NAS 1.26:187876 ..... 10 p1486 N91-18188* #
NAS 1.26:187877 ..... 09 p1371 N91-17538* #
NAS 1.26:187879 ..... 09 p1384 N91-17611* #
NAS 1.26:187886 ..... 09 p1324 N91-17268* #
NAS 1.26:187887 ..... 08 p1107 N91-16078* #
NAS 1.26:187888 ..... 09 p1355 N91-17445* #
NAS 1.26:187889 ..... 16 p2667 N91-24758* #
NAS 1.26:187891 ..... 13 p2139 N91-21776* #
NAS 1.26:187892 ..... 16 p2682 N91-24847* #
NAS 1.26:187894 ..... 09 p1352 N91-17429* #
NAS 1.26:187895 ..... 09 p1313 N91-17209* #
NAS 1.26:187896 ..... 09 p1304 N91-17157* #
NAS 1.26:187898 ..... 09 p1449 N91-17993* #
NAS 1.26:187899 ..... 09 p1347 N91-17403* #
NAS 1.26:187904 ..... 10 p1517 N91-18352* #
NAS 1.26:187906 ..... 10 p1567 N91-18616* #
NAS 1.26:187907 ..... 10 p1617 N91-18916* #
NAS 1.26:187909 ..... 17 p2889 N91-25972* #
NAS 1.26:187911 ..... 12 p1900 N91-20450* #
NAS 1.26:187912 ..... 10 p1624 N91-18959* #
NAS 1.26:187913 ..... 16 p2666 N91-24753* #
NAS 1.26:187914 ..... 11 p1780 N91-19765* #
NAS 1.26:187915 ..... 09 p1386 N91-17624* #
NAS 1.26:187916 ..... 09 p1354 N91-17438* #
NAS 1.26:187917 ..... 14 p2303 N91-22720* #
NAS 1.26:187919 ..... 18 p3038 N91-26766* #
NAS 1.26:187920 ..... 09 p1386 N91-17623* #
NAS 1.26:187921 ..... 15 p2481 N91-23731* #
NAS 1.26:187924 ..... 08 p1159 N91-16386* #
NAS 1.26:187925 ..... 08 p1267 N91-16977* #
NAS 1.26:187928 ..... 11 p1775 N91-19732* #
NAS 1.26:187930 ..... 10 p1569 N91-18631* #
NAS 1.26:187931 ..... 14 p2322 N91-22824* #
NAS 1.26:187933 ..... 09 p1387 N91-17627* #
NAS 1.26:187934 ..... 10 p1570 N91-18632* #
NAS 1.26:187935 ..... 13 p2165 N91-21940* #
NAS 1.26:187936 ..... 13 p2167 N91-21955* #
NAS 1.26:187940 ..... 10 p1510 N91-18308* #
NAS 1.26:187941 ..... 14 p2303 N91-22721* #
NAS 1.26:187942 ..... 12 p1868 N91-20264* #
NAS 1.26:187943 ..... 10 p1499 N91-18250* #
NAS 1.26:187944 ..... 09 p1448 N91-17991* #
NAS 1.26:187945 ..... 12 p1843 N91-20129* #
NAS 1.26:187946 ..... 16 p2705 N91-24969* #
NAS 1.26:187948 ..... 12 p1880 N91-20335* #
NAS 1.26:187949 ..... 10 p1510 N91-18307* #
NAS 1.26:187950 ..... 11 p1696 N91-19343* #
NAS 1.26:187951 ..... 10 p1506 N91-18289* #
NAS 1.26:187953 ..... 18 p3044 N91-26806* #
NAS 1.26:187954 ..... 10 p1513 N91-18329* #
NAS 1.26:187955 ..... 09 p1285 N91-17065* #
NAS 1.26:187956 ..... 10 p1570 N91-18633* #
NAS 1.26:187957 ..... 14 p2272 N91-22569* #

NAS 1.26:187958 ..... 11 p1773 N91-19718* #
NAS 1.26:187959 ..... 10 p1555 N91-18551* #
NAS 1.26:187960 ..... 14 p2255 N91-22471* #
NAS 1.26:187961 ..... 10 p1514 N91-18332* #
NAS 1.26:187964 ..... 10 p1462 N91-18064* #
NAS 1.26:187965 ..... 10 p1507 N91-18293* #
NAS 1.26:187967 ..... 10 p1557 N91-18560* #
NAS 1.26:187968 ..... 10 p1496 N91-18237* #
NAS 1.26:187969 ..... 09 p1310 N91-17191* #
NAS 1.26:187970 ..... 09 p1428 N91-17860* #
NAS 1.26:187971 ..... 11 p1820 N91-19995* #
NAS 1.26:187973 ..... 11 p1775 N91-19734* #
NAS 1.26:187974 ..... 11 p1775 N91-19733* #
NAS 1.26:187975 ..... 14 p2303 N91-22722* #
NAS 1.26:187976 ..... 10 p1575 N91-18665* #
NAS 1.26:187977 ..... 10 p1574 N91-18664* #
NAS 1.26:187978 ..... 10 p1574 N91-18663* #
NAS 1.26:187982 ..... 14 p2303 N91-22723* #
NAS 1.26:187983 ..... 11 p1775 N91-19735* #
NAS 1.26:187984 ..... 11 p1707 N91-19398* #
NAS 1.26:187986 ..... 11 p1665 N91-19173* #
NAS 1.26:187987 ..... 10 p1593 N91-18791* #
NAS 1.26:187988 ..... 13 p2131 N91-21728* #
NAS 1.26:187989 ..... 11 p1798 N91-19871* #
NAS 1.26:187990 ..... 10 p1515 N91-18341* #
NAS 1.26:187991 ..... 10 p1529 N91-18423* #
NAS 1.26:187992 ..... 11 p1775 N91-19736* #
NAS 1.26:187993 ..... 14 p2303 N91-22724* #
NAS 1.26:187994 ..... 14 p2304 N91-22728* #
NAS 1.26:187996 ..... 10 p1556 N91-18558* #
NAS 1.26:187997 ..... 11 p1765 N91-19710* #
NAS 1.26:187998 ..... 11 p1776 N91-19741* #
NAS 1.26:187999 ..... 10 p1555 N91-18552* #
NAS 1.26:188000 ..... 10 p1606 N91-18865* #
NAS 1.26:188001 ..... 10 p1617 N91-18918* #
NAS 1.26:188002 ..... 12 p1926 N91-20596* #
NAS 1.26:188003 ..... 12 p1832 N91-20065* #
NAS 1.26:188006 ..... 14 p2270 N91-22561* #
NAS 1.26:188007 ..... 14 p2280 N91-22608* #
NAS 1.26:188008 ..... 12 p1894 N91-20416* #
NAS 1.26:188009 ..... 14 p2284 N91-22628* #
NAS 1.26:188011 ..... 14 p2196 N91-22127* #
NAS 1.26:188012 ..... 14 p2255 N91-22472* #
NAS 1.26:188013 ..... 14 p2283 N91-22627* #
NAS 1.26:188014 ..... 13 p2075 N91-21426* #
NAS 1.26:188015 ..... 12 p1853 N91-20183* #
NAS 1.26:188016 ..... 14 p2304 N91-22731* #
NAS 1.26:188017 ..... 12 p1843 N91-20130* #
NAS 1.26:188018 ..... 13 p2131 N91-21729* #
NAS 1.26:188019 ..... 11 p1816 N91-19975* #
NAS 1.26:188021 ..... 21 p3598 N91-30016* #
NAS 1.26:188022 ..... 11 p1725 N91-19497* #
NAS 1.26:188024 ..... 12 p1921 N91-20571* #
NAS 1.26:188025 ..... 13 p2114 N91-21640* #
NAS 1.26:188026 ..... 13 p2094 N91-21527* #
NAS 1.26:188027 ..... 13 p2094 N91-21528* #
NAS 1.26:188028 ..... 13 p2094 N91-21529* #
NAS 1.26:188029 ..... 14 p2274 N91-22577* #
NAS 1.26:188030 ..... 13 p2100 N91-21560* #
NAS 1.26:188031 ..... 11 p1817 N91-19980* #
NAS 1.26:188032 ..... 13 p2119 N91-21664* #
NAS 1.26:188035 ..... 18 p2977 N91-26434* #
NAS 1.26:188038 ..... 14 p2282 N91-22619* #
NAS 1.26:188039 ..... 20 p3341 N91-28503* #
NAS 1.26:188041 ..... 11 p1777 N91-19750* #
NAS 1.26:188043 ..... 12 p1922 N91-20572* #
NAS 1.26:188044 ..... 16 p2546 N91-24105* #
NAS 1.26:188045 ..... 13 p2094 N91-21530* #
NAS 1.26:188046 ..... 11 p1763 N91-19701* #
NAS 1.26:188047 ..... 14 p2247 N91-22432* #
NAS 1.26:188048 ..... 13 p2079 N91-21452* #
NAS 1.26:188049 ..... 13 p2131 N91-21733* #
NAS 1.26:188051 ..... 11 p1703 N91-19379* #
NAS 1.26:188053 ..... 13 p2120 N91-21665* #
NAS 1.26:188056 ..... 14 p2347 N91-22984* #
NAS 1.26:188057 ..... 11 p1688 N91-19305* #
NAS 1.26:188058 ..... 13 p2069 N91-21394* #
NAS 1.26:188059 ..... 14 p2343 N91-22954* #
NAS 1.26:188061 ..... 12 p1858 N91-20205* #
NAS 1.26:188062 ..... 13 p2116 N91-21648* #
NAS 1.26:188063 ..... 12 p1828 N91-20047* #
NAS 1.26:188064 ..... 12 p2008 N91-21052* #
NAS 1.26:188067 ..... 12 p1829 N91-20052* #
NAS 1.26:188068 ..... 12 p1884 N91-20360* #
NAS 1.26:188069 ..... 12 p1901 N91-20457* #
NAS 1.26:188070 ..... 12 p1964 N91-20804* #
NAS 1.26:188071 ..... 12 p1884 N91-20359* #
NAS 1.26:188072 ..... 12 p1879 N91-20329* #
NAS 1.26:188073 ..... 12 p1879 N91-20330* #
NAS 1.26:188074 ..... 12 p1880 N91-20331* #
NAS 1.26:188075 ..... 13 p2129 N91-21719* #
NAS 1.26:188076 ..... 12 p2001 N91-21011* #
NAS 1.26:188077 ..... 11 p1774 N91-19722* #
NAS 1.26:188078 ..... 12 p1960 N91-20783* #
NAS 1.26:188079 ..... 13 p2018 N91-21101* #
NAS 1.26:188080 ..... 14 p2262 N91-22512* #
NAS 1.26:188081 ..... 22 p3612 N91-30095* #
NAS 1.26:188083 ..... 13 p2018 N91-21100* #
NAS 1.26:188084 ..... 13 p2164 N91-21939* #
NAS 1.26:188085 ..... 12 p1962 N91-20796* #
NAS 1.26:188086 ..... 12 p1961 N91-20795* #
NAS 1.26:188087 ..... 13 p2168 N91-21966* #
NAS 1.26:188088 ..... 14 p2233 N91-22352* #
NAS 1.26:188089 ..... 13 p2070 N91-21403* #
NAS 1.26:188090 ..... 13 p2133 N91-21741* #
NAS 1.26:188091 ..... 13 p2142 N91-21791* #
NAS 1.26:188092 ..... 13 p2141 N91-21790* #
NAS 1.26:188093 ..... 13 p2141 N91-21789* #
NAS 1.26:188094 ..... 13 p2043 N91-21236* #
NAS 1.26:188095 ..... 14 p2353 N91-23011* #
NAS 1.26:188096 ..... 13 p2182 N91-22057* #
NAS 1.26:188097 ..... 14 p2186 N91-22071* #
NAS 1.26:188098 ..... 14 p2298 N91-22703* #
NAS 1.26:188099 ..... 13 p2182 N91-22056* #
NAS 1.26:188100 ..... 12 p2008 N91-21051* #
NAS 1.26:188101 ..... 13 p2088 N91-21489* #
NAS 1.26:188102 ..... 13 p2039 N91-21213* #
NAS 1.26:188103 ..... 12 p1960 N91-20786* #
NAS 1.26:188104 ..... 12 p1960 N91-20787* #
NAS 1.26:188105 ..... 12 p1961 N91-20794* #
NAS 1.26:188106 ..... 12 p1961 N91-20793* #
NAS 1.26:188107 ..... 12 p1961 N91-20792* #
NAS 1.26:188108 ..... 12 p1961 N91-20791* #
NAS 1.26:188109 ..... 12 p1961 N91-20790* #
NAS 1.26:188110 ..... 12 p1961 N91-20789* #
NAS 1.26:188111 ..... 12 p1961 N91-20788* #
NAS 1.26:188112 ..... 12 p1895 N91-20419* #
NAS 1.26:188113 ..... 12 p1960 N91-20784* #
NAS 1.26:188114 ..... 12 p1960 N91-20785* #
NAS 1.26:188115 ..... 12 p1856 N91-20202* #
NAS 1.26:188116 ..... 14 p2256 N91-22475* #
NAS 1.26:188117 ..... 14 p2189 N91-22093* #
NAS 1.26:188118 ..... 14 p2236 N91-22373* #
NAS 1.26:188119 ..... 15 p2467 N91-23670* #
NAS 1.26:188120 ..... 14 p2308 N91-22752* #
NAS 1.26:188122 ..... 24 p4085 N91-32822* #
NAS 1.26:188146 ..... 13 p2181 N91-22053* #
NAS 1.26:188147 ..... 14 p2253 N91-22465* #
NAS 1.26:188148 ..... 13 p2088 N91-21492* #
NAS 1.26:188149 ..... 14 p2338 N91-22926* #
NAS 1.26:188150 ..... 14 p2262 N91-22513* #
NAS 1.26:188151 ..... 14 p2284 N91-22631* #
NAS 1.26:188152 ..... 14 p2187 N91-22079* #
NAS 1.26:188153 ..... 13 p2021 N91-21117* #
NAS 1.26:188154 ..... 13 p2103 N91-21576* #
NAS 1.26:188155 ..... 14 p2245 N91-22419* #
NAS 1.26:188157 ..... 14 p2344 N91-22959* #
NAS 1.26:188159 ..... 20 p3391 N91-28787* #
NAS 1.26:188162 ..... 13 p2121 N91-21673* #
NAS 1.26:188165 ..... 14 p2344 N91-22960* #
NAS 1.26:188167 ..... 14 p2276 N91-22588* #
NAS 1.26:188168 ..... 14 p2353 N91-23013* #
NAS 1.26:188169 ..... 14 p2347 N91-22981* #
NAS 1.26:188170 ..... 14 p2347 N91-22982* #
NAS 1.26:188171 ..... 15 p2529 N91-24016* #
NAS 1.26:188172 ..... 14 p2244 N91-22411* #
NAS 1.26:188173 ..... 15 p2529 N91-24015* #
NAS 1.26:188174 ..... 17 p2877 N91-25914* #
NAS 1.26:188175 ..... 15 p2488 N91-23776* #
NAS 1.26:188176 ..... 16 p2634 N91-24582* #
NAS 1.26:188177 ..... 13 p2132 N91-21739* #
NAS 1.26:188178 ..... 14 p2354 N91-23018* #
NAS 1.26:188179 ..... 16 p2564 N91-24217* #
NAS 1.26:188181 ..... 15 p2521 N91-23970* #
NAS 1.26:188184 ..... 15 p2392 N91-23242* #
NAS 1.26:188185 ..... 14 p2291 N91-22669* #
NAS 1.26:188186 ..... 14 p2189 N91-22092* #
NAS 1.26:188187 ..... 19 p3105 N91-27158* #
NAS 1.26:188188 ..... 14 p2278 N91-22600* #
NAS 1.26:188189 ..... 14 p2251 N91-22454* #
NAS 1.26:188190 ..... 14 p2325 N91-22846* #
NAS 1.26:188191 ..... 14 p2318 N91-22804* #
NAS 1.26:188192 ..... 16 p2545 N91-24099* #
NAS 1.26:188193 ..... 16 p2693 N91-24909* #
NAS 1.26:188194 ..... 16 p2617 N91-24489* #
NAS 1.26:188195 ..... 16 p2545 N91-24102* #
NAS 1.26:188196 ..... 16 p2545 N91-24100* #
NAS 1.26:188197 ..... 15 p2482 N91-23739* #
NAS 1.26:188198 ..... 16 p2545 N91-24101* #
NAS 1.26:188199 ..... 15 p2364 N91-23084* #
NAS 1.26:188200 ..... 16 p2654 N91-24685* #
NAS 1.26:188201 ..... 14 p2190 N91-22095* #
NAS 1.26:188202 ..... 15 p2507 N91-23891* #
NAS 1.26:188203 ..... 16 p2654 N91-24686* #
NAS 1.26:188204 ..... 16 p2629 N91-24557* #
NAS 1.26:188205 ..... 15 p2482 N91-23738* #
NAS 1.26:188206 ..... 16 p2589 N91-24346* #
NAS 1.26:188207 ..... 15 p2490 N91-23786* #
NAS 1.26:188208 ..... 15 p2493 N91-23806 #
NAS 1.26:188209 ..... 15 p2495 N91-23821* #
NAS 1.26:188210 ..... 16 p2667 N91-24754* #
NAS 1.26:188211 ..... 16 p2705 N91-24970* #

NAS 1.26:188212 ..... 16 p2693 N91-24912* #
NAS 1.26:188213 ..... 16 p2619 N91-24499* #
NAS 1.26:188214 ..... 16 p2617 N91-24485* #
NAS 1.26:188215 ..... 15 p2390 N91-23232* #
NAS 1.26:188216 ..... 14 p2258 N91-22487* #
NAS 1.26:188217 ..... 15 p2490 N91-23787* #
NAS 1.26:188218 ..... 16 p2682 N91-24846* #
NAS 1.26:188219 ..... 17 p2900 N91-26019* #
NAS 1.26:188220 ..... 17 p2751 N91-25223* #
NAS 1.26:188221 ..... 17 p2748 N91-25203* #
NAS 1.26:188222 ..... 16 p2593 N91-24365* #
NAS 1.26:188223 ..... 17 p2755 N91-25250* #
NAS 1.26:188225 ..... 19 p3183 N91-27601* #
NAS 1.26:188226 ..... 24 p4118 N91-33016* #
NAS 1.26:188227 ..... 07 p0947 N91-15190* #
NAS 1.26:188231 ..... 16 p2546 N91-24110* #
NAS 1.26:188232 ..... 16 p2635 N91-24583* #
NAS 1.26:188233 ..... 16 p2688 N91-24882* #
NAS 1.26:188234 ..... 15 p2426 N91-23440* #
NAS 1.26:188235 ..... 16 p2546 N91-24109* #
NAS 1.26:188237 ..... 16 p2659 N91-24710* #
NAS 1.26:188238 ..... 16 p2651 N91-24671* #
NAS 1.26:188239 ..... 17 p2838 N91-25686* #
NAS 1.26:188240 ..... 17 p2829 N91-25626* #
NAS 1.26:188241 ..... 17 p2838 N91-25685* #
NAS 1.26:188442 ..... 20 p3348 N91-28539* #
NAS 1.26:188443 ..... 16 p2631 N91-24565* #
NAS 1.26:188444 ..... 16 p2685 N91-24869* #
NAS 1.26:188445 ..... 16 p2685 N91-24868* #
NAS 1.26:188446 ..... 16 p2685 N91-24867* #
NAS 1.26:188447 ..... 16 p2684 N91-24866* #
NAS 1.26:188448 ..... 16 p2684 N91-24865* #
NAS 1.26:188449 ..... 16 p2697 N91-24934* #
NAS 1.26:188450 ..... 16 p2697 N91-24933* #
NAS 1.26:188451 ..... 16 p2626 N91-24543* #
NAS 1.26:188452 ..... 17 p2821 N91-25589* #
NAS 1.26:188453 ..... 16 p2627 N91-24545* #
NAS 1.26:188454 ..... 16 p2626 N91-24544* #
NAS 1.26:188467 ..... 16 p2672 N91-24789* #
NAS 1.26:188476 ..... 05 p0685 N91-13808* #
NAS 1.26:188491 ..... 18 p3013 N91-26637* #
NAS 1.26:188495 ..... 16 p2672 N91-24788* #
NAS 1.26:188498 ..... 18 p3044 N91-26804* #
NAS 1.26:188499 ..... 17 p2728 N91-25107* #
NAS 1.26:188500 ..... 17 p2810 N91-25533* #
NAS 1.26:188538 ..... 17 p2768 N91-25319* #
NAS 1.26:188539 ..... 17 p2916 N91-26099* #
NAS 1.26:188540 ..... 17 p2860 N91-25819* #
NAS 1.26:188541 ..... 17 p2756 N91-25254* #
NAS 1.26:188542 ..... 17 p2813 N91-25549* #
NAS 1.26:188581 ..... 18 p3068 N91-26948* #
NAS 1.26:188585 ..... 17 p2831 N91-25640* #
NAS 1.26:188586 ..... 16 p2672 N91-24791* #
NAS 1.26:188587 ..... 17 p2831 N91-25639* #
NAS 1.26:188588 ..... 17 p2831 N91-25638* #
NAS 1.26:188589 ..... 17 p2831 N91-25637* #
NAS 1.26:188590 ..... 17 p2828 N91-25622* #
NAS 1.26:188591 ..... 16 p2672 N91-24790* #
NAS 1.26:188592 ..... 17 p2830 N91-25636* #
NAS 1.26:188593 ..... 17 p2830 N91-25635* #
NAS 1.26:188594 ..... 17 p2830 N91-25634* #
NAS 1.26:188595 ..... 17 p2830 N91-25633* #
NAS 1.26:188596 ..... 17 p2828 N91-25621* #
NAS 1.26:188597 ..... 17 p2830 N91-25632* #
NAS 1.26:188598 ..... 17 p2830 N91-25631* #
NAS 1.26:188599 ..... 17 p2776 N91-25364* #
NAS 1.26:188600 ..... 17 p2738 N91-25156* #
NAS 1.26:188601 ..... 17 p2814 N91-25553* #
NAS 1.26:188602 ..... 17 p2859 N91-25807* #
NAS 1.26:188603 ..... 19 p3191 N91-27645* #
NAS 1.26:188604 ..... 17 p2769 N91-25322* #
NAS 1.26:188605 ..... 17 p2831 N91-25641* #
NAS 1.26:188606 ..... 17 p2916 N91-26101* #
NAS 1.26:188607 ..... 17 p2814 N91-25554* #
NAS 1.26:188608 ..... 17 p2776 N91-25365* #
NAS 1.26:188609 ..... 17 p2891 N91-25982* #
NAS 1.26:188610 ..... 17 p2891 N91-25981* #
NAS 1.26:188611 ..... 17 p2769 N91-25321* #
NAS 1.26:188612 ..... 17 p2777 N91-25367* #
NAS 1.26:188613 ..... 17 p2804 N91-25502* #
NAS 1.26:188614 ..... 17 p2758 N91-25269* #
NAS 1.26:188615 ..... 18 p2921 N91-26114* #
NAS 1.26:188616 ..... 17 p2832 N91-25646* #
NAS 1.26:188617 ..... 16 p2673 N91-24795* #
NAS 1.26:188620 ..... 17 p2771 N91-25334* #
NAS 1.26:188621 ..... 17 p2791 N91-25443* #
NAS 1.26:188622 ..... 18 p3005 N91-26596* #
NAS 1.26:188623 ..... 18 p3009 N91-26613* #
NAS 1.26:188625 ..... 19 p3188 N91-27632* #
NAS 1.26:188626 ..... 19 p3129 N91-27285* #
NAS 1.26:188635 ..... 22 p3775 N91-31052* #
NAS 1.26:188637 ..... 22 p3610 N91-30081* #
NAS 1.26:188638 ..... 19 p3117 N91-27223* #
NAS 1.26:188639 ..... 19 p3191 N91-27646* #
NAS 1.26:188640 ..... 19 p3106 N91-27160* #
NAS 1.26:188641 ..... 19 p3207 N91-27724* #
NAS 1.26:188642 ..... 19 p3173 N91-27545* #
NAS 1.26:188644 ..... 19 p3100 N91-27130* #
NAS 1.26:188646 ..... 19 p3111 N91-27191* #
NAS 1.26:188647 ..... 19 p3201 N91-27695* #
NAS 1.26:188648 ..... 19 p3233 N91-27876* #
NAS 1.26:188649 ..... 19 p3264 N91-28051* #
NAS 1.26:188650 ..... 19 p3266 N91-28063* #
NAS 1.26:188651 ..... 19 p3248 N91-27961* #
NAS 1.26:188654 ..... 19 p3250 N91-27981* #
NAS 1.26:188655 ..... 19 p3216 N91-27775* #
NAS 1.26:188656 ..... 19 p3101 N91-27131* #
NAS 1.26:188658 ..... 19 p3183 N91-27604* #
NAS 1.26:188659 ..... 19 p3137 N91-27331* #
NAS 1.26:188660 ..... 19 p3174 N91-27547* #
NAS 1.26:188662 ..... 19 p3145 N91-27380* #
NAS 1.26:188664 ..... 19 p3107 N91-27168* #
NAS 1.26:188665 ..... 19 p3169 N91-27520* #
NAS 1.26:188666 ..... 19 p3262 N91-28041* #
NAS 1.26:188667 ..... 19 p3202 N91-27701* #
NAS 1.26:188668 ..... 19 p3246 N91-27956* #
NAS 1.26:188669 ..... 19 p3161 N91-27476* #
NAS 1.26:188672 ..... 19 p3115 N91-27210* #
NAS 1.26:188675 ..... 20 p3384 N91-28747* #
NAS 1.26:188676 ..... 19 p3175 N91-27554* #
NAS 1.26:188677 ..... 19 p3259 N91-28025* #
NAS 1.26:188678 ..... 19 p3122 N91-27246* #
NAS 1.26:188679 ..... 19 p3204 N91-27711* #
NAS 1.26:188680 ..... 19 p3233 N91-27874* #
NAS 1.26:188681 ..... 19 p3231 N91-27863* #
NAS 1.26:188682 ..... 19 p3262 N91-28043* #
NAS 1.26:188683 ..... 19 p3177 N91-27565* #
NAS 1.26:188684 ..... 19 p3166 N91-27506* #
NAS 1.26:188685 ..... 19 p3155 N91-27440* #
NAS 1.26:188686 ..... 19 p3184 N91-27610* #
NAS 1.26:188688 ..... 20 p3324 N91-28403* #
NAS 1.26:188689 ..... 22 p3649 N91-30309* #
NAS 1.26:188690 ..... 22 p3766 N91-30994* #
NAS 1.26:188691 ..... 22 p3617 N91-30125* #
NAS 1.26:188692 ..... 20 p3443 N91-29107* #
NAS 1.26:188693 ..... 20 p3305 N91-28292* #
NAS 1.26:188696 ..... 20 p3444 N91-29113* #
NAS 1.26:188697 ..... 20 p3402 N91-28858* #
NAS 1.26:188698 ..... 20 p3444 N91-29112* #
NAS 1.26:188699 ..... 22 p3777 N91-31067* #
NAS 1.26:188700 ..... 22 p3773 N91-31043* #
NAS 1.26:188701 ..... 20 p3444 N91-29111* #
NAS 1.26:188702 ..... 22 p3752 N91-30916* #
NAS 1.26:188703 ..... 20 p3444 N91-29110* #
NAS 1.26:188704 ..... 20 p3443 N91-29109* #
NAS 1.26:188705 ..... 20 p3443 N91-29108* #
NAS 1.26:188706 ..... 22 p3776 N91-31060* #
NAS 1.26:188707 ..... 22 p3646 N91-30294* #
NAS 1.26:188708 ..... 22 p3653 N91-30333* #
NAS 1.26:188710 ..... 22 p3759 N91-30954* #
NAS 1.26:188711 ..... 22 p3771 N91-31026* #
NAS 1.26:188712 ..... 22 p3775 N91-31053* #
NAS 1.26:188713 ..... 22 p3726 N91-30738* #
NAS 1.26:188715 ..... 22 p3618 N91-30126* #
NAS 1.26:188716 ..... 22 p3702 N91-30607* #
NAS 1.26:188717 ..... 23 p3930 N91-31961* #
NAS 1.26:188719 ..... 22 p3771 N91-31029* #
NAS 1.26:188720 ..... 22 p3642 N91-30271* #
NAS 1.26:188721 ..... 22 p3622 N91-30150* #
NAS 1.26:188722 ..... 22 p3687 N91-30524* #
NAS 1.26:188723 ..... 22 p3699 N91-30594* #
NAS 1.26:188724 ..... 21 p3464 N91-29212* #
NAS 1.26:188725 ..... 21 p3485 N91-29331* #
NAS 1.26:188726 ..... 22 p3681 N91-30500* #
NAS 1.26:188727 ..... 21 p3464 N91-29211* #
NAS 1.26:188728 ..... 20 p3288 N91-28182* #
NAS 1.26:188729 ..... 21 p3534 N91-29636* #
NAS 1.26:188730 ..... 22 p3675 N91-30459* #
NAS 1.26:188731 ..... 22 p3775 N91-31055* #
NAS 1.26:188732 ..... 22 p3655 N91-30345* #
NAS 1.26:188733 ..... 20 p3365 N91-28643* #
NAS 1.26:188734 ..... 19 p3165 N91-27503* #
NAS 1.26:188735 ..... 22 p3744 N91-30860* #
NAS 1.26:188741 ..... 21 p3494 N91-29390* #
NAS 1.26:188755 ..... 22 p3696 N91-30577* #
NAS 1.26:188757 ..... 22 p3755 N91-30931* #
NAS 1.26:188758 ..... 22 p3662 N91-30390* #
NAS 1.26:188759 ..... 22 p3727 N91-30747* #
NAS 1.26:188760 ..... 22 p3656 N91-30350* #
NAS 1.26:188762 ..... 22 p3639 N91-30254* #
NAS 1.26:188763 ..... 22 p3640 N91-30255* #
NAS 1.26:188764 ..... 22 p3640 N91-30256* #
NAS 1.26:188765 ..... 22 p3640 N91-30257* #
NAS 1.26:188766 ..... 22 p3640 N91-30258* #
NAS 1.26:188767 ..... 22 p3640 N91-30259* #
NAS 1.26:188769 ..... 22 p3648 N91-30305* #
NAS 1.26:188770 ..... 21 p3456 N91-29169* #
NAS 1.26:188771 ..... 22 p3774 N91-31051* #
NAS 1.26:188772 ..... 22 p3612 N91-30092* #
NAS 1.26:188773 ..... 22 p3622 N91-30152* #
NAS 1.26:188774 ..... 23 p3893 N91-31723* #
NAS 1.26:188775 ..... 22 p3707 N91-30634* #

NAS 1.26:188776 ..... 22 p3689 N91-30536* #
NAS 1.26:188777 ..... 22 p3663 N91-30392* #
NAS 1.26:188778 ..... 20 p3321 N91-28384* #
NAS 1.26:188779 ..... 22 p3775 N91-31056* #
NAS 1.26:188780 ..... 22 p3775 N91-31057* #
NAS 1.26:188781 ..... 22 p3703 N91-30610* #
NAS 1.26:188782 ..... 22 p3699 N91-30597* #
NAS 1.26:188785 ..... 24 p4118 N91-33017* #
NAS 1.26:188786 ..... 22 p3704 N91-30613* #
NAS 1.26:188788 ..... 23 p3782 N91-31083* #
NAS 1.26:188789 ..... 24 p4123 N91-33042* #
NAS 1.26:188791 ..... 23 p3885 N91-31678* #
NAS 1.26:188793 ..... 21 p3557 N91-29769* #
NAS 1.26:188796 ..... 23 p3909 N91-31820* #
NAS 1.26:188798 ..... 24 p3972 N91-32187* #
NAS 1.26:188801 ..... 22 p3666 N91-30410* #
NAS 1.26:188802 ..... 23 p3801 N91-31200* #
NAS 1.26:188804 ..... 22 p3708 N91-30637* #
NAS 1.26:188805 ..... 23 p3897 N91-31750* #
NAS 1.26:188811 ..... 23 p3924 N91-31928* #
NAS 1.26:188813 ..... 24 p3983 N91-32250* #
NAS 1.26:188815 ..... 24 p4085 N91-32823* #
NAS 1.26:188820 ..... 24 p3950 N91-32078* #
NAS 1.26:188821 ..... 24 p4086 N91-32830* #
NAS 1.26:188823 ..... 24 p4086 N91-32829* #
NAS 1.26:188824 ..... 24 p4086 N91-32828* #
NAS 1.26:188827 ..... 24 p4086 N91-32827* #
NAS 1.26:188828 ..... 24 p4086 N91-32826* #
NAS 1.26:188829 ..... 24 p4082 N91-32804* #
NAS 1.26:188830 ..... 24 p4082 N91-32803* #
NAS 1.26:188831 ..... 24 p4085 N91-32825* #
NAS 1.26:188832 ..... 24 p4085 N91-32824* #
NAS 1.26:188851 ..... 24 p4089 N91-32845* #
NAS 1.26:188857 ..... 24 p4084 N91-32814* #
NAS 1.26:188859 ..... 24 p4084 N91-32815* #
NAS 1.26:188861 ..... 24 p4089 N91-32846* #
NAS 1.26:188862 ..... 24 p4084 N91-32816* #
NAS 1.26:188864 ..... 24 p4081 N91-32799* #
NAS 1.26:188865 ..... 24 p4091 N91-32859* #
NAS 1.26:188866 ..... 24 p4081 N91-32800* #
NAS 1.26:188874 ..... 24 p4089 N91-32844* #
NAS 1.26:188875 ..... 24 p4089 N91-32847* #
NAS 1.26:188876 ..... 24 p4082 N91-32801* #
NAS 1.26:188877 ..... 24 p3988 N91-32280* #
NAS 1.26:188879 ..... 24 p4084 N91-32817* #
NAS 1.26:188882 ..... 24 p4084 N91-32818* #
NAS 1.26:188885 ..... 24 p4116 N91-33005* #
NAS 1.26:188886 ..... 24 p4085 N91-32819* #
NAS 1.26:188888 ..... 24 p4089 N91-32848* #
NAS 1.26:188889 ..... 24 p4085 N91-32820* #
NAS 1.26:188890 ..... 24 p4082 N91-32802* #
NAS 1.26:188891 ..... 24 p4085 N91-32821* #
NAS 1.26:188902 ..... 24 p4021 N91-32472* #
NAS 1.26:188912 ..... 23 p3938 N91-32009*
NAS 1.26:188913 ..... 23 p3929 N91-31957*
NAS 1.26:188916 ..... 24 p4014 N91-32442* #
NAS 1.26:188918 ..... 24 p4123 N91-33043* #
NAS 1.26:188919 ..... 24 p3950 N91-32080* #
NAS 1.26:188920 ..... 24 p3950 N91-32079* #
NAS 1.26:188924 ..... 24 p4123 N91-33045* #
NAS 1.26:188925 ..... 24 p4018 N91-32462* #
NAS 1.26:188930 ..... 24 p4087 N91-32837* #
NAS 1.26:188935 ..... 24 p4087 N91-32836* #
NAS 1.26:188937 ..... 24 p4035 N91-32545* #
NAS 1.26:188941 ..... 24 p4087 N91-32838* #
NAS 1.26:188942 ..... 24 p4088 N91-32839* #
NAS 1.26:188952 ..... 04 p0610 N91-13391* #
NAS 1.26:188955 ..... 04 p0490 N91-12721* #
NAS 1.26:188956 ..... 24 p4029 N91-32512* #
NAS 1.26:188959 ..... 24 p3989 N91-32288* #
NAS 1.26:188960 ..... 12 p2001 N91-21012* #
NAS 1.26:188961 ..... 10 p1538 N91-18466* #
NAS 1.55:3020-VOL-2 ..... 16 p2550 N91-24132* #
NAS 1.55:3036 ..... 06 p0886 N91-14897* #
NAS 1.55:3051 ..... 01 p0098 N91-10574* #
NAS 1.55:3060 ..... 12 p1859 N91-20207* #
NAS 1.55:3064 ..... 01 p0050 N91-10301* #
NAS 1.55:3078 ..... 13 p2012 N91-21062* #
NAS 1.55:3080 ..... 06 p0828 N91-14574* #
NAS 1.55:3081-VOL-2 ..... 09 p1277 N91-17020* #
NAS 1.55:3083 ..... 01 p0074 N91-10448* #
NAS 1.55:3084 ..... 05 p0734 N91-14100* #
NAS 1.55:3085 ..... 07 p1078 N91-15930* #
NAS 1.55:3086 ..... 03 p0439 N91-12456* #
NAS 1.55:3088 ..... 03 p0429 N91-12401* #
NAS 1.55:3089 ..... 09 p1401 N91-17713* #
NAS 1.55:3090 ..... 02 p0161 N91-10936* #
NAS 1.55:3091 ..... 10 p1486 N91-18189* #
NAS 1.55:3093 ..... 08 p1181 N91-16500* #
NAS 1.55:3094 ..... 05 p0691 N91-13842* #
NAS 1.55:3095 ..... 11 p1637 N91-19024* #
NAS 1.55:3096 ..... 11 p1656 N91-19126* #
NAS 1.55:3098 ..... 08 p1244 N91-16858* #
NAS 1.55:3099 ..... 07 p1023 N91-15615* #
NAS 1.55:3101 ..... 08 p1214 N91-16682* #
NAS 1.55:3102 ..... 09 p1287 N91-17073* #
NAS 1.55:3103-VOL-1 ..... 12 p1934 N91-20641* #
NAS 1.55:3103-VOL-2 ..... 12 p1945 N91-20702* #
NAS 1.55:3105 ..... 12 p1833 N91-20071* #
NAS 1.55:3106-VOL-1 ..... 24 p4046 N91-32599* #
NAS 1.55:3106-VOL-2 ..... 24 p4062 N91-32693* #
NAS 1.55:3107 ..... 11 p1666 N91-19182* #
NAS 1.55:3108 ..... 10 p1559 N91-18573* #
NAS 1.55:3109-VOL-1 ..... 14 p2354 N91-23021* #
NAS 1.55:3109-VOL-2 ..... 15 p2535 N91-24041* #
NAS 1.55:3110 ..... 14 p2312 N91-22769* #
NAS 1.55:3111 ..... 12 p1911 N91-20506* #
NAS 1.55:3112 ..... 17 p2742 N91-25176* #
NAS 1.55:3112-VOL-2 ..... 20 p3291 N91-28193* #
NAS 1.55:3112-VOL-3 ..... 20 p3297 N91-28235* #
NAS 1.55:3113 ..... 16 p2639 N91-24603* #
NAS 1.55:3114 ..... 24 p4032 N91-32528* #
NAS 1.55:3115-VOL-1 ..... 12 p1916 N91-20541* #
NAS 1.55:3115-VOL-2 ..... 18 p3001 N91-26573* #
NAS 1.55:3116 ..... 17 p2850 N91-25755* #
NAS 1.55:3117 ..... 18 p3077 N91-27009* #
NAS 1.55:3120 ..... 17 p2814 N91-25556* #
NAS 1.55:3121 ..... 22 p3631 N91-30203* #
NAS 1.55:3125 ..... 24 p4036 N91-32549* #
NAS 1.55:3126 ..... 24 p4056 N91-32660* #
NAS 1.55:10028 ..... 16 p2560 N91-24200* #
NAS 1.55:10030 ..... 16 p2581 N91-24307* #
NAS 1.55:10031 ..... 16 p2563 N91-24211* #
NAS 1.55:10038-VOL-1 ..... 02 p0143 N91-10839* #
NAS 1.55:10038-VOL-2 ..... 02 p0149 N91-10868* #
NAS 1.55:10040 ..... 16 p2665 N91-24744* #
NAS 1.55:10042 ..... 02 p0283 N91-11591* #
NAS 1.55:10050-PT-1 ..... 03 p0302 N91-11682* #
NAS 1.55:10050-PT-2 ..... 03 p0304 N91-11695* #
NAS 1.55:10052 ..... 09 p1376 N91-17559* #
NAS 1.55:10054 ..... 07 p0938 N91-15141* #
NAS 1.55:10055 ..... 07 p1038 N91-15691* #
NAS 1.55:10056 ..... 12 p1846 N91-20147* #
NAS 1.55:10057-PT-1 ..... 10 p1486 N91-18186* #
NAS 1.55:10057-PT-2 ..... 11 p1656 N91-19122* #
NAS 1.55:10059 ..... 14 p2198 N91-22139* #
NAS 1.55:10060-PT-1 ..... 16 p2555 N91-24166* #
NAS 1.55:10060-PT-2 ..... 16 p2551 N91-24140* #
NAS 1.55:10061-VOL-1 ..... 13 p2140 N91-21778* #
NAS 1.55:10061-VOL-2 ..... 12 p1965 N91-20811* #
NAS 1.55:10062 ..... 13 p2114 N91-21641* #
NAS 1.55:10063 ..... 12 p1835 N91-20086* #
NAS 1.55:10065-PT-1 ..... 14 p2225 N91-22307* #
NAS 1.55:10065-PT-2 ..... 14 p2229 N91-22331* #
NAS 1.55:10066-PT-1 ..... 13 p2035 N91-21188* #
NAS 1.55:10066-PT-2 ..... 13 p2037 N91-21203* #
NAS 1.55:10072 ..... 16 p2705 N91-24972* #
NAS 1.55:10073-PT-1 ..... 19 p3109 N91-27177* #
NAS 1.55:10073-PT-2 ..... 19 p3109 N91-27178* #
NAS 1.55:10074 ..... 18 p3085 N91-27057* #
NAS 1.55:10075 ..... 21 p3469 N91-29240* #
NAS 1.60:2375 ..... 01 p0002 N91-10007* #
NAS 1.60:2640 ..... 06 p0778 N91-14316* #
NAS 1.60:2888 ..... 16 p2560 N91-24199* #
NAS 1.60:2922 ..... 20 p3281 N91-28143* #
NAS 1.60:2983 ..... 09 p1276 N91-17014* #
NAS 1.60:2995 ..... 11 p1642 N91-19058* #
NAS 1.60:2997 ..... 10 p1456 N91-18030* #
NAS 1.60:3010 ..... 05 p0674 N91-13750* #
NAS 1.60:3015 ..... 03 p0414 N91-12315* #
NAS 1.60:3020 ..... 11 p1791 N91-19824* #
NAS 1.60:3022 ..... 01 p0013 N91-10079* #
NAS 1.60:3025 ..... 10 p1456 N91-18031* #
NAS 1.60:3026 ..... 05 p0714 N91-13985* #
NAS 1.60:3032 ..... 11 p1639 N91-19042* #
NAS 1.60:3033 ..... 06 p0835 N91-14618* #
NAS 1.60:3034 ..... 05 p0630 N91-13492* #
NAS 1.60:3035 ..... 05 p0613 N91-13401* #
NAS 1.60:3040 ..... 13 p2147 N91-21828* #
NAS 1.60:3041 ..... 09 p1296 N91-17114* #
NAS 1.60:3043 ..... 11 p1765 N91-19711* #
NAS 1.60:3044 ..... 05 p0635 N91-13522* #
NAS 1.60:3045 ..... 06 p0780 N91-14323* #
NAS 1.60:3046 ..... 02 p0155 N91-10902* #
NAS 1.60:3047 ..... 05 p0613 N91-13402* #
NAS 1.60:3048 ..... 09 p1271 N91-16990* #
NAS 1.60:3049 ..... 05 p0625 N91-13461* #
NAS 1.60:3050 ..... 10 p1457 N91-18032* #
NAS 1.60:3051 ..... 17 p2737 N91-25151* #
NAS 1.60:3052 ..... 07 p1002 N91-15499* #
NAS 1.60:3053 ..... 11 p1790 N91-19823* #
NAS 1.60:3054 ..... 02 p0186 N91-11041* #
NAS 1.60:3055 ..... 08 p1268 N91-16981* #
NAS 1.60:3056 ..... 01 p0056 N91-10328* #
NAS 1.60:3057 ..... 08 p1213 N91-16679* #
NAS 1.60:3058 ..... 01 p0015 N91-10092* #
NAS 1.60:3059 ..... 10 p1484 N91-18180* #
NAS 1.60:3060 ..... 14 p2185 N91-22069* #
NAS 1.60:3061 ..... 09 p1331 N91-17310* #
NAS 1.60:3062 ..... 03 p0324 N91-11800* #
NAS 1.60:3063 ..... 04 p0533 N91-12956* #
NAS 1.60:3064 ..... 10 p1493 N91-18216* #

NAS 1.60:3065 ..... 07 p0967 N91-15308* #
NAS 1.60:3066 ..... 09 p1313 N91-17208* #
NAS 1.60:3067 ..... 12 p1852 N91-20177* #
NAS 1.60:3068 ..... 10 p1522 N91-18381* #
NAS 1.60:3069 ..... 10 p1588 N91-18753* #
NAS 1.60:3070 ..... 12 p1827 N91-20043* #
NAS 1.60:3071 ..... 10 p1492 N91-18215* #
NAS 1.60:3072 ..... 12 p1842 N91-20128* #
NAS 1.60:3073 ..... 14 p2274 N91-22576* #
NAS 1.60:3074 ..... 14 p2266 N91-22538* #
NAS 1.60:3075 ..... 08 p1165 N91-16413* #
NAS 1.60:3077 ..... 13 p2023 N91-21127* #
NAS 1.60:3078 ..... 13 p2034 N91-21185* #
NAS 1.60:3079 ..... 09 p1450 N91-17999* #
NAS 1.60:3080 ..... 11 p1642 N91-19057* #
NAS 1.60:3081 ..... 19 p3154 N91-27436* #
NAS 1.60:3082 ..... 17 p2829 N91-25624* #
NAS 1.60:3083 ..... 19 p3110 N91-27180* #
NAS 1.60:3084 ..... 13 p2099 N91-21556* #
NAS 1.60:3085 ..... 13 p2011 N91-21059* #
NAS 1.60:3086 ..... 14 p2185 N91-22070* #
NAS 1.60:3087 ..... 14 p2224 N91-22302* #
NAS 1.60:3088 ..... 19 p3110 N91-27182* #
NAS 1.60:3089 ..... 17 p2848 N91-25741* #
NAS 1.60:3090 ..... 12 p1910 N91-20503* #
NAS 1.60:3092 ..... 17 p2727 N91-25103* #
NAS 1.60:3093 ..... 14 p2354 N91-23017* #
NAS 1.60:3098 ..... 17 p2918 N91-26107* #
NAS 1.60:3099 ..... 19 p3099 N91-27124* #
NAS 1.60:3100 ..... 14 p2261 N91-22509* #
NAS 1.60:3107 ..... 16 p2626 N91-24542* #
NAS 1.60:3108 ..... 13 p2044 N91-21242* #
NAS 1.60:3109 ..... 12 p1868 N91-20266* #
NAS 1.60:3113 ..... 19 p3102 N91-27140* #
NAS 1.60:3118 ..... 17 p2774 N91-25352* #
NAS 1.60:3120 ..... 18 p2921 N91-26113* #
NAS 1.60:3123 ..... 17 p2829 N91-25629* #
NAS 1.60:3128 ..... 21 p3482 N91-29318* #
NAS 1.60:3133 ..... 22 p3613 N91-30098* #
NAS 1.60:3135 ..... 23 p3791 N91-31143* #
NAS 1.60:3137 ..... 22 p3776 N91-31061* #
NAS 1.60:3139 ..... 21 p3464 N91-29209* #
NAS 1.60:3142 ..... 20 p3280 N91-28136* #
NAS 1.60:3152 ..... 22 p3689 N91-30540* #
NAS 1.60:3154 ..... 22 p3623 N91-30154* #
NAS 1.60:3155 ..... 22 p3651 N91-30318* #
NAS 1.61-1268 ..... 23 p3938 N91-32006* #
NAS 1.61:1124-REV-2 ..... 06 p0804 N91-14437* #
NAS 1.61:1236 ..... 01 p0022 N91-10127* #
NAS 1.61:1239 ..... 05 p0675 N91-13751* #
NAS 1.61:1243 ..... 06 p0848 N91-14683* #
NAS 1.61:1244 ..... 10 p1546 N91-18505* #
NAS 1.61:1246 ..... 04 p0549 N91-13043* #
NAS 1.61:1248 ..... 07 p1063 N91-15848* #
NAS 1.61:1249 ..... 12 p1894 N91-20418* #
NAS 1.61:1250 ..... 08 p1174 N91-16466* #
NAS 1.61:1251 ..... 08 p1175 N91-16467* #
NAS 1.61:1252 ..... 11 p1647 N91-19082* #
NAS 1.61:1255 ..... 22 p3688 N91-30531* #
NAS 1.61:1261 ..... 16 p2660 N91-24719* #
NAS 1.61:1262 ..... 17 p2765 N91-25303* #
NAS 1.61:1263 ..... 16 p2660 N91-24720* #
NAS 1.61:1264 ..... 18 p3015 N91-26651* #
NAS 1.71:ARC-11916-1-SB ..... 05 p0717 N91-14002* #
NAS 1.71:ARC-11917-1 ..... 07 p1005 N91-15520* #
NAS 1.71:GSC-13175-1 ..... 05 p0717 N91-14001* #
NAS 1.71:GSC-13220-1 ..... 13 p2093 N91-21525* #
NAS 1.71:GSC-13230-1 ..... 05 p0672 N91-13734* #
NAS 1.71:GSC-13251-1 ..... 20 p3355 N91-28582* #
NAS 1.71:GSC-13261-1 ..... 09 p1347 N91-17401* #
NAS 1.71:GSC-13265-1 ..... 05 p0728 N91-14066* #
NAS 1.71:GSC-13306-1 ..... 20 p3380 N91-28727* #
NAS 1.71:GSC-13343-1 ..... 20 p3351 N91-28557* #
NAS 1.71:GSC-13344-1 ..... 20 p3317 N91-28363* #
NAS 1.71:GSC-13346-1 ..... 20 p3354 N91-28578* #
NAS 1.71:GSC-13348-2 ..... 21 p3548 N91-29714* #
NAS 1.71:GSC-13369-1 ..... 15 p2416 N91-23380* #
NAS 1.71:GSC-13376-1 ..... 20 p3354 N91-28579* #
NAS 1.71:GSC-13377-1 ..... 20 p3390 N91-28785* #
NAS 1.71:GSC-13378-1 ..... 20 p3354 N91-28581* #
NAS 1.71:LAR-13388-1 ..... 20 p3310 N91-28321* #
NAS 1.71:LAR-13548-1 ..... 20 p3287 N91-28175* #
NAS 1.71:LAR-13563-1 ..... 15 p2421 N91-23410* #
NAS 1.71:LAR-13645-1 ..... 20 p3327 N91-28424* #
NAS 1.71:LAR-13742-1 ..... 09 p1273 N91-16999* #
NAS 1.71:LAR-13780-1 ..... 05 p0628 N91-13481* #
NAS 1.71:LAR-13832-1 ..... 20 p3330 N91-28444* #
NAS 1.71:LAR-13887-1 ..... 15 p2432 N91-23472* #
NAS 1.71:LAR-14036-1 ..... 05 p0642 N91-13562* #
NAS 1.71:LAR-14088-1 ..... 05 p0663 N91-13686* #
NAS 1.71:LAR-14163-1 ..... 05 p0642 N91-13559* #
NAS 1.71:LAR-14206-1 ..... 20 p3327 N91-28425* #
NAS 1.71:LAR-14239-1 ..... 05 p0636 N91-13527* #
NAS 1.71:LAR-14271-1-CU ..... 05 p0641 N91-13558* #
NAS 1.71:LAR-14272-1-CU ..... 20 p3289 N91-28184* #
NAS 1.71:LAR-14330-1-CU ..... 05 p0642 N91-13560* #
NAS 1.71:LAR-14340-1-CU ..... 05 p0663 N91-13684* #
NAS 1.71:LAR-14351-1 ..... 05 p0642 N91-13561* #
NAS 1.71:LAR-14352-1 ..... 24 p4028 N91-32511* #
NAS 1.71:LAR-14361-1 ..... 08 p1218 N91-16707* #
NAS 1.71:LAR-14395-1-CU ..... 20 p3339 N91-28490* #
NAS 1.71:LAR-14402-1-CU ..... 07 p1068 N91-15874* #
NAS 1.71:LAR-14424-1-SB ..... 24 p3963 N91-32149* #
NAS 1.71:LAR-14427-1 ..... 15 p2391 N91-23237* #
NAS 1.71:LAR-14435-1-CU ..... 18 p2929 N91-26159* #
NAS 1.71:LAR-14446-1 ..... 20 p3332 N91-28454* #
NAS 1.71:LAR-14459-1 ..... 07 p0972 N91-15334* #
NAS 1.71:LAR-14483-1 ..... 20 p3332 N91-28455* #
NAS 1.71:LAR-14515-1-CU ..... 20 p3354 N91-28580* #
NAS 1.71:LAR-14556-1 ..... 17 p2781 N91-25392* #
NAS 1.71:LAR-14579-1 ..... 20 p3349 N91-28546* #
NAS 1.71:LAR-14588-1-CU ..... 15 p2507 N91-23889* #
NAS 1.71:LAR-14685-1 ..... 20 p3280 N91-28135* #
NAS 1.71:LEW-14162-1 ..... 05 p0660 N91-13668* #
NAS 1.71:LEW-14162-2 ..... 17 p2747 N91-25201* #
NAS 1.71:LEW-14474-1 ..... 20 p3327 N91-28423* #
NAS 1.71:LEW-14731-1 ..... 05 p0684 N91-13802* #
NAS 1.71:LEW-14878-1 ..... 05 p0716 N91-13996* #
NAS 1.71:LEW-14921-1 ..... 05 p0632 N91-13502* #
NAS 1.71:LEW-14945-1 ..... 05 p0648 N91-13598* #
NAS 1.71:LEW-14949-1 ..... 15 p2457 N91-23617* #
NAS 1.71:LEW-14965-1 ..... 05 p0671 N91-13732* #
NAS 1.71:LEW-14967-2 ..... 15 p2430 N91-23460* #
NAS 1.71:LEW-14984-1 ..... 08 p1120 N91-16152* #
NAS 1.71:LEW-14999-1 ..... 05 p0632 N91-13500* #
NAS 1.71:LEW-14999-2 ..... 18 p2966 N91-26376* #
NAS 1.71:LEW-15020-1 ..... 07 p0986 N91-15412* #
NAS 1.71:LEW-15020-2 ..... 17 p2747 N91-25202* #
NAS 1.71:LEW-15027-1 ..... 05 p0643 N91-13566* #
NAS 1.71:LEW-15043-1 ..... 24 p3979 N91-32230* #
NAS 1.71:LEW-15077-2 ..... 20 p3304 N91-28289* #
NAS 1.71:LEW-15094-1 ..... 15 p2381 N91-23180* #
NAS 1.71:LEW-15155-1 ..... 18 p2966 N91-26375* #
NAS 1.71:LEW-15164-1 ..... 17 p2763 N91-25298* #
NAS 1.71:LEW-15164-2 ..... 24 p3979 N91-32229* #
NAS 1.71:LEW-15196-1 ..... 18 p2995 N91-26543* #
NAS 1.71:LEW-15200-1 ..... 24 p3968 N91-32167* #
NAS 1.71:LEW-15222-1 ..... 18 p3070 N91-26966* #
NAS 1.71:LEW-15223-1 ..... 18 p3070 N91-26967* #
NAS 1.71:MFS-26061-1 ..... 08 p1236 N91-16815* #
NAS 1.71:MFS-26102-1-CU ..... 07 p1032 N91-15661* #
NAS 1.71:MFS-28013-2 ..... 05 p0733 N91-14096* #
NAS 1.71:MFS-28295-1 ..... 05 p0716 N91-13999* #
NAS 1.71:MFS-28328-1 ..... 05 p0671 N91-13731* #
NAS 1.71:MFS-28372-1 ..... 16 p2604 N91-24426* #
NAS 1.71:MFS-28390-1 ..... 07 p0971 N91-15333* #
NAS 1.71:MFS-28406-1 ..... 05 p0671 N91-13729* #
NAS 1.71:MFS-28422-1 ..... 09 p1320 N91-17250* #
NAS 1.71:MFS-28458-1 ..... 18 p2980 N91-26459* #
NAS 1.71:MFS-28473-1 ..... 18 p3071 N91-26968* #
NAS 1.71:MFS-28485-1 ..... 07 p1005 N91-15519* #
NAS 1.71:MFS-28493-1 ..... 17 p2737 N91-25155* #
NAS 1.71:MFS-28507-1 ..... 15 p2514 N91-23933* #
NAS 1.71:MFS-28521-1 ..... 18 p2995 N91-26542* #
NAS 1.71:MFS-28524-1 ..... 17 p2741 N91-25167* #
NAS 1.71:MFS-28545-1 ..... 17 p2765 N91-25306* #
NAS 1.71:MFS-28563-1 ..... 17 p2780 N91-25388* #
NAS 1.71:MFS-29576-1 ..... 07 p0978 N91-15368* #
NAS 1.71:MFS-29766-1 ..... 17 p2771 N91-25335* #
NAS 1.71:MSC-21350-1 ..... 15 p2480 N91-23724* #
NAS 1.71:MSC-21381-1 ..... 05 p0707 N91-13944* #
NAS 1.71:MSC-21460-1 ..... 05 p0697 N91-13879* #
NAS 1.71:MSC-21463-1 ..... 15 p2435 N91-23490* #
NAS 1.71:MSC-21481-1 ..... 05 p0699 N91-13890* #
NAS 1.71:MSC-21517-1 ..... 16 p2633 N91-24577* #
NAS 1.71:MSC-21536-1 ..... 05 p0629 N91-13483* #
NAS 1.71:MSC-21555-1 ..... 15 p2435 N91-23492* #
NAS 1.71:MSC-21559-1 ..... 05 p0693 N91-13860* #
NAS 1.71:MSC-21562-1 ..... 16 p2564 N91-24216* #
NAS 1.71:MSC-21577-1-SB ..... 15 p2397 N91-23271* #
NAS 1.71:MSC-21580-1 ..... 15 p2435 N91-23491* #
NAS 1.71:MSC-21584-1 ..... 16 p2592 N91-24362* #
NAS 1.71:MSC-21589-1 ..... 08 p1195 N91-16566* #
NAS 1.71:MSC-21625-1 ..... 20 p3381 N91-28730* #
NAS 1.71:MSC-21631-1 ..... 24 p4106 N91-32947* #
NAS 1.71:MSC-21662-1 ..... 09 p1370 N91-17531* #
NAS 1.71:MSC-21675-1 ..... 05 p0694 N91-13865* #
NAS 1.71:MSC-21700-1 ..... 15 p2430 N91-23462* #
NAS 1.71:MSC-21729-1 ..... 09 p1336 N91-17340* #
NAS 1.71:MSC-21730-1 ..... 15 p2435 N91-23493* #
NAS 1.71:MSC-21737-1 ..... 05 p0702 N91-13911* #
NAS 1.71:MSC-21748-1 ..... 17 p2785 N91-25415* #
NAS 1.71:MSC-21763-1 ..... 17 p2817 N91-25570* #
NAS 1.71:MSC-21793-1 ..... 20 p3289 N91-28186* #
NAS 1.71:NPO-17479-1-CU ..... 05 p0659 N91-13658* #
NAS 1.71:NPO-17632-1-CU ..... 24 p4082 N91-32805* #
NAS 1.71:NPO-17784-1-CU ..... 05 p0716 N91-13998* #
NAS 1.71:NPO-17800-1-CU ..... 05 p0670 N91-13724* #
NAS 1.71:NPO-17852-1-CU ..... 15 p2489 N91-23783* #
NAS 1.71:NPO-17904-1-CU ..... 05 p0648 N91-13594* #
NAS 1.71:NPO-17914-1-CU ..... 05 p0678 N91-13767* #
NAS 1.71:NPO-17922-1-CU ..... 05 p0652 N91-13621* #

NAS 1.71:NPO-17941-1-CU ..... 05 p0648 N91-13595* #
NAS 1.71:NPO-17997-1-CU ..... 05 p0698 N91-13888* #
NAS 1.71:NPO-18028-1-CU ..... 16 p2688 N91-24878* #
NAS 1.71:NPO-18034-1-CU ..... 05 p0683 N91-13796* #
NAS 1.71:NPO-18075-1-CU ..... 05 p0652 N91-13622* #
NAS 1.71:NPO-18095-1-CU ..... 24 p4102 N91-32923* #
NAS 1.71:NPO-18098-1-CU ..... 15 p2507 N91-23890* #
NAS 1.71:NPO-18115-1-CU ..... 15 p2465 N91-23662* #
NAS 1.71:NPO-18116-1-CU ..... 24 p4028 N91-32509* #
NAS 1.71:NPO-18134-1-CU ..... 24 p4028 N91-32510* #
NAS 1.71:NPO-18194-1-CU ..... 24 p4103 N91-32924* #
NAS 1.71:NPO-18243-1-CU ..... 24 p4024 N91-32489* #
NAS 1.71:NPO-18278-1-CU ..... 24 p4103 N91-32925* #
NAS 1.71:NPO-18317-1-CU ..... 24 p4103 N91-32926* #
NAS 1.71:SSC-00006-1 ..... 05 p0664 N91-13691* #
NAS 1.71:SSC-00008-1 ..... 05 p0671 N91-13733* #
NAS 1.71:SSC-00010-1 ..... 15 p2522 N91-23976* #
NAS 1.71:SSC-00013-1 ..... 24 p4029 N91-32515* #
NAS 1.71:14846-2 ..... 18 p2937 N91-26200* #
NAS 1.75:250 ..... 09 p1451 N91-18003* #
NAS 1.82:8070.5A ..... 14 p2320 N91-22815* #
NAS 1.83:120 ..... 15 p2472 N91-23694* #
NAS 1.83:123 ..... 10 p1612 N91-18895* #
NAS 1.83:124 ..... 09 p1296 N91-17115* #
NAS 1.83:126 ..... 09 p1424 N91-17839* #
NAS 1.83:144 ..... 19 p3183 N91-27603* #
NAS 1.84:106-ED-2 ..... 08 p1201 N91-16601* #
NAS 1.84:117 ..... 10 p1564 N91-18603* #

NAS-SR-134 ..... 22 p3616 N91-30117 #
NAS-SR-1328 ..... 01 p0006 N91-10032 #

NASA-CASE-ARC-11873-2 ..... 23 p3811 N91-31258*
NASA-CASE-ARC-11877-1-SB 06 p0787 N91-14357*
NASA-CASE-ARC-11886-1-SB 06 p0831 N91-14591*
NASA-CASE-ARC-11909-1 ..... 23 p3786 N91-31113*
NASA-CASE-ARC-11916-1-SB ..... 05 p0717 N91-14002* #
NASA-CASE-ARC-11917-1 ..... 07 p1005 N91-15520* #

NASA-CASE-GSC-12821-2 ..... 23 p3861 N91-31530*
NASA-CASE-GSC-13027-1-CU 19 p3169 N91-27522*
NASA-CASE-GSC-13127-1 ..... 09 p1345 N91-17388*
NASA-CASE-GSC-13153-1 ..... 09 p1345 N91-17387*
NASA-CASE-GSC-13175-1 ..... 05 p0717 N91-14001* #
NASA-CASE-GSC-13179-1 ..... 18 p2977 N91-26438*
NASA-CASE-GSC-13197-1 ..... 19 p3113 N91-27201*
NASA-CASE-GSC-13212-1 ..... 24 p4035 N91-32546*
NASA-CASE-GSC-13220-1 ..... 13 p2093 N91-21525* #
NASA-CASE-GSC-13230-1 ..... 05 p0672 N91-13734* #
NASA-CASE-GSC-13237-1 ..... 06 p0823 N91-14550*
NASA-CASE-GSC-13239-1 ..... 23 p3881 N91-31656*
NASA-CASE-GSC-13251-1 ..... 20 p3355 N91-28582* #
NASA-CASE-GSC-13261-1 ..... 09 p1347 N91-17401* #
NASA-CASE-GSC-13265-1 ..... 05 p0728 N91-14066* #
NASA-CASE-GSC-13280-1 ..... 19 p3161 N91-27479*
NASA-CASE-GSC-13306-1 ..... 20 p3380 N91-28727* #
NASA-CASE-GSC-13343-1 ..... 20 p3351 N91-28557* #
NASA-CASE-GSC-13344-1 ..... 20 p3317 N91-28363* #
NASA-CASE-GSC-13346-1 ..... 20 p3354 N91-28578* #
NASA-CASE-GSC-13348-2 ..... 21 p3548 N91-29714* #
NASA-CASE-GSC-13369-1 ..... 15 p2416 N91-23380* #
NASA-CASE-GSC-13376-1 ..... 20 p3354 N91-28579* #
NASA-CASE-GSC-13377-1 ..... 20 p3390 N91-28785* #
NASA-CASE-GSC-13378-1 ..... 20 p3354 N91-28581* #

NASA-CASE-KSC-11304-2 ..... 06 p0814 N91-14495*
NASA-CASE-KSC-11395-1-CU 13 p2082 N91-21473*

NASA-CASE-LAR-13388-1 ..... 20 p3310 N91-28321* #
NASA-CASE-LAR-13392-1-CU 06 p0799 N91-14412*
NASA-CASE-LAR-13490-1 ..... 19 p3113 N91-27199*
NASA-CASE-LAR-13532-1 ..... 06 p0826 N91-14562*
NASA-CASE-LAR-13548-1 ..... 20 p3287 N91-28175* #
NASA-CASE-LAR-13562 2 ..... 17 p2747 N91-25199*
NASA-CASE-LAR-13563-1 ..... 15 p2421 N91-23410* #
NASA-CASE-LAR-13580-1 ..... 13 p2096 N91-21541*
NASA-CASE-LAR-13616-1 ..... 23 p3928 N91-31950*
NASA-CASE-LAR-13629-1 ..... 06 p0787 N91-14356*
NASA-CASE-LAR-13645-1 ..... 20 p3327 N91-28424* #
NASA-CASE-LAR-13742-1 ..... 09 p1273 N91-16999* #
NASA-CASE-LAR-13780-1 ..... 05 p0628 N91-13481* #
NASA-CASE-LAR-13785-1 ..... 13 p2146 N91-21824*
NASA-CASE-LAR-13832-1 ..... 20 p3330 N91-28444* #
NASA-CASE-LAR-13854-1-CU 23 p3787 N91-31120*
NASA-CASE-LAR-13855-1 ..... 06 p0635 N91-14615*
NASA-CASE-LAR-13875-1 ..... 19 p3105 N91-27156*
NASA-CASE-LAR-13887-1 ..... 15 p2432 N91-23472* #
NASA-CASE-LAR-13898-1 ..... 07 p1010 N91-15544*
NASA-CASE-LAR-13910-2-CU 23 p3819 N91-31307*
NASA-CASE-LAR-13952-2-SB 23 p3871 N91-31596*
NASA-CASE-LAR-13965-2-CU 06 p0801 N91-14418*
NASA-CASE-LAR-13966-1 ..... 19 p3239 N91-27914*
NASA-CASE-LAR-13968-1 ..... 19 p3239 N91-27913*
NASA-CASE-LAR-13981-1 ..... 13 p2096 N91-21539*
NASA-CASE-LAR-13985-1 ..... 06 p0803 N91-14430*
NASA-CASE-LAR-13989-1 ..... 05 p0664 N91-13694*
NASA-CASE-LAR-13992-1-CU 19 p3117 N91-27220*
NASA-CASE-LAR-14036-1 ..... 05 p0642 N91-13562* #
NASA-CASE-LAR-14088-1 ..... 05 p0663 N91-13686* #
NASA-CASE-LAR-14096-1 ..... 23 p3852 N91-31476*
NASA-CASE-LAR-14101-1 ..... 07 p0984 N91-15403*
NASA-CASE-LAR-14107-1 ..... 17 p2747 N91-25200*
NASA-CASE-LAR-14116-1 ..... 06 p0784 N91-14345*
NASA-CASE-LAR-14149-1-SB 13 p2032 N91-21176*
NASA-CASE-LAR-14155-2-SB 13 p2048 N91-21270*
NASA-CASE-LAR-14163-1 ..... 05 p0642 N91-13559* #
NASA-CASE-LAR-14181-1 ..... 13 p2160 N91-21911*
NASA-CASE-LAR-14188-2 ..... 06 p0801 N91-14419*
NASA-CASE-LAR-14206-1 ..... 20 p3327 N91-28425* #
NASA-CASE-LAR-14207-1 ..... 06 p0831 N91-14590*
NASA-CASE-LAR-14212-1-CU 23 p3790 N91-31140*
NASA-CASE-LAR-14239-1 ..... 05 p0636 N91-13527* #
NASA-CASE-LAR-14250-1-SB 19 p3243 N91-27936*
NASA-CASE-LAR-14271-1-CU ..... 05 p0641 N91-13558* #
NASA-CASE-LAR-14272-1-CU ..... 20 p3289 N91-28184* #
NASA-CASE-LAR-14322-1 ..... 19 p3102 N91-27139*
NASA-CASE-LAR-14330-1-CU ..... 05 p0642 N91-13560* #
NASA-CASE-LAR-14340-1-CU ..... 05 p0663 N91-13684* #
NASA-CASE-LAR-14351-1 ..... 05 p0642 N91-13561* #
NASA-CASE-LAR-14352-1 ..... 24 p4028 N91-32511* #
NASA-CASE-LAR-14361-1 ..... 08 p1218 N91-16707* #
NASA-CASE-LAR-14395-1-CU ..... 20 p3339 N91-28490* #
NASA-CASE-LAR-14402-1-CU ..... 07 p1068 N91-15874* #
NASA-CASE-LAR-14424-1-SB ..... 24 p3963 N91-32149* #
NASA-CASE-LAR-14427-1 ..... 15 p2391 N91-23237* #
NASA-CASE-LAR-14435-1-CU ..... 18 p2929 N91-26159* #
NASA-CASE-LAR-14446-1 ..... 20 p3332 N91-28454* #
NASA-CASE-LAR-14454-1 ..... 24 p3973 N91-32196*
NASA-CASE-LAR-14459-1 ..... 07 p0972 N91-15334* #
NASA-CASE-LAR-14465-1 ..... 06 p0835 N91-14614*
NASA-CASE-LAR-14483-1 ..... 20 p3332 N91-28455* #
NASA-CASE-LAR-14489-1 ..... 19 p3176 N91-27562*
NASA-CASE-LAR-14515-1-CU ..... 20 p3354 N91-28580* #
NASA-CASE-LAR-14556-1 ..... 17 p2781 N91-25392* #
NASA-CASE-LAR-14579-1 ..... 20 p3349 N91-28546* #
NASA-CASE-LAR-14588-1-CU ..... 15 p2507 N91-23889* #
NASA-CASE-LAR-14685-1 ..... 20 p3280 N91-28135* #

NASA-CASE-LEW-14162-1 ..... 05 p0660 N91-13668* #
NASA-CASE-LEW-14162-2 ..... 17 p2747 N91-25201* #
NASA-CASE-LEW-14203-1 ..... 07 p0984 N91-15402*
NASA-CASE-LEW-14295-1 ..... 07 p0988 N91-15424*
NASA-CASE-LEW-14345-3 ..... 09 p1301 N91-17141*
NASA-CASE-LEW-14345-4 ..... 17 p2744 N91-25185*
NASA-CASE-LEW-14472-1 ..... 07 p0969 N91-15320*
NASA-CASE-LEW-14474-1 ..... 20 p3327 N91-28423* #
NASA-CASE-LEW-14672-1 ..... 19 p3176 N91-27560*
NASA-CASE-LEW-14676-1 ..... 23 p3861 N91-31529*
NASA-CASE-LEW-14679-1 ..... 17 p2763 N91-25296*
NASA-CASE-LEW-14731-1 ..... 05 p0684 N91-13802* #
NASA-CASE-LEW-14746-1 ..... 06 p0824 N91-14552*
NASA-CASE-LEW-14776-1 ..... 13 p2096 N91-21540*
NASA-CASE-LEW-14795-1 ..... 13 p2153 N91-21871*
NASA-CASE-LEW-14846-2 ..... 18 p2937 N91-26200* #
NASA-CASE-LEW-14848-1 ..... 19 p3109 N91-27175*
NASA-CASE-LEW-14862-1 ..... 06 p0835 N91-14617*
NASA-CASE-LEW-14878-1 ..... 05 p0716 N91-13996* #
NASA-CASE-LEW-14887-1 ..... 19 p3176 N91-27561*
NASA-CASE-LEW-14901-1 ..... 17 p2870 N91-25875*
NASA-CASE-LEW-14902-1 ..... 19 p3121 N91-27244*
NASA-CASE-LEW-14921-1 ..... 05 p0632 N91-13502* #
NASA-CASE-LEW-14945-1 ..... 05 p0648 N91-13598* #
NASA-CASE-LEW-14949-1 ..... 15 p2457 N91-23617* #
NASA-CASE-LEW-14959-1 ..... 19 p3185 N91-27614*
NASA-CASE-LEW-14965-1 ..... 05 p0671 N91-13732* #
NASA-CASE-LEW-14967-1 ..... 23 p3874 N91-31608*
NASA-CASE-LEW-14967-2 ..... 15 p2430 N91-23460* #
NASA-CASE-LEW-14984-1 ..... 08 p1120 N91-16152* #
NASA-CASE-LEW-14990-1-CU 09 p1302 N91-17145*
NASA-CASE-LEW-14999-1 ..... 05 p0632 N91-13500* #
NASA-CASE-LEW-14999-2 ..... 18 p2966 N91-26376* #
NASA-CASE-LEW-15020-1 ..... 07 p0986 N91-15412* #
NASA-CASE-LEW-15020-2 ..... 17 p2747 N91-25202* #
NASA-CASE-LEW-15027-1 ..... 05 p0643 N91-13566* #
NASA-CASE-LEW-15043-1 ..... 24 p3979 N91-32230* #
NASA-CASE-LEW-15077-2 ..... 20 p3304 N91-28289* #
NASA-CASE-LEW-15094-1 ..... 15 p2381 N91-23180* #
NASA-CASE-LEW-15155-1 ..... 18 p2966 N91-26375* #
NASA-CASE-LEW-15164-1 ..... 17 p2763 N91-25298* #
NASA-CASE-LEW-15164-2 ..... 24 p3979 N91-32229* #
NASA-CASE-LEW-15196-1 ..... 18 p2995 N91-26543* #
NASA-CASE-LEW-15200-1 ..... 24 p3968 N91-32167* #
NASA-CASE-LEW-15222-1 ..... 18 p3070 N91-26966* #
NASA-CASE-LEW-15223-1 ..... 18 p3070 N91-26967* #

NASA-CASE-MFS-26042-1-SB 06 p0834 N91-14613*
NASA-CASE-MFS-26061-1 ..... 08 p1236 N91-16815* #
NASA-CASE-MFS-26102-1-CU ..... 07 p1032 N91-15661* #
NASA-CASE-MFS-28013-2 ..... 05 p0733 N91-14096* #
NASA-CASE-MFS-28177-1 ..... 13 p2089 N91-21496*
NASA-CASE-MFS-28232-1 ..... 06 p0874 N91-14835*
NASA-CASE-MFS-28294-1 ..... 06 p0816 N91-14508*

NASA-CASE-MFS-28295-1 05 p0716 N91-13999* #
NASA-CASE-MFS-28298-1 06 p0882 N91-14872*
NASA-CASE-MFS-28314-1 06 p0808 N91-14462*
NASA-CASE-MFS-28328-1 05 p0671 N91-13731* #
NASA-CASE-MFS-28345-1 06 p0833 N91-14608*
NASA-CASE-MFS-28372-1 16 p2604 N91-24426* #
NASA-CASE-MFS-28376-1 13 p2032 N91-21175*
NASA-CASE-MFS-28383-1 06 p0826 N91-14563*
NASA-CASE-MFS-28390-1 07 p0971 N91-15333* #
NASA-CASE-MFS-28406-1 05 p0671 N91-13729* #
NASA-CASE-MFS-28419-1 19 p3113 N91-27200*
NASA-CASE-MFS-28420-1 13 p2097 N91-21545*
NASA-CASE-MFS-28422-1 09 p1320 N91-17250* #
NASA-CASE-MFS-28426-1 24 p4080 N91-32795*
NASA-CASE-MFS-28458-1 18 p2980 N91-26459* #
NASA-CASE-MFS-28473-1 18 p3071 N91-26968* #
NASA-CASE-MFS-28485-1 07 p1005 N91-15519* #
NASA-CASE-MFS-28493-1 17 p2737 N91-25155* #
NASA-CASE-MFS-28507-1 15 p2514 N91-23933* #
NASA-CASE-MFS-28521-1 18 p2995 N91-26542* #
NASA-CASE-MFS-28524-1 17 p2741 N91-25167* #
NASA-CASE-MFS-28545-1 17 p2765 N91-25306* #
NASA-CASE-MFS-28563-1 17 p2780 N91-25388* #
NASA-CASE-MFS-29576-1 07 p0978 N91-15368* #
NASA-CASE-MFS-29766-1 17 p2771 N91-25335* #

NASA-CASE-MSC-20078-3 06 p0853 N91-14709*
NASA-CASE-MSC-20797-2 13 p2089 N91-21494*
NASA-CASE-MSC-20929-1 06 p0852 N91-14703*
NASA-CASE-MSC-21025-2 06 p0856 N91-14724*
NASA-CASE-MSC-21025-3 18 p3034 N91-26747*
NASA-CASE-MSC-21025-4 06 p0856 N91-14723*
NASA-CASE-MSC-21059-2 07 p1004 N91-15511*
NASA-CASE-MSC-21059-3 13 p2089 N91-21495*
NASA-CASE-MSC-21170-1 06 p0791 N91-14371*
NASA-CASE-MSC-21293-1 13 p2126 N91-21700*
NASA-CASE-MSC-21294-1 22 p3713 N91-30667*
NASA-CASE-MSC-21299-2 24 p4028 N91-32508*
NASA-CASE-MSC-21332-1 07 p0938 N91-15142*
NASA-CASE-MSC-21334-1 17 p2767 N91-25317*
NASA-CASE-MSC-21348-1 06 p0863 N91-14769*
NASA-CASE-MSC-21350-1 15 p2480 N91-23724* #
NASA-CASE-MSC-21360-1 06 p0791 N91-14374*
NASA-CASE-MSC-21361-1 13 p2126 N91-21701*
NASA-CASE-MSC-21381-1 05 p0707 N91-13944* #
NASA-CASE-MSC-21408-1 06 p0833 N91-14607*
NASA-CASE-MSC-21416-1 24 p4102 N91-32922*
NASA-CASE-MSC-21428-1 06 p0821 N91-14537*
NASA-CASE-MSC-21460-1 05 p0697 N91-13879* #
NASA-CASE-MSC-21463-1 15 p2435 N91-23490* #
NASA-CASE-MSC-21465-1 06 p0859 N91-14741*
NASA-CASE-MSC-21469-1 23 p3881 N91-31655*
NASA-CASE-MSC-21470-1 13 p2029 N91-21157*
NASA-CASE-MSC-21476-1 13 p2096 N91-21542*
NASA-CASE-MSC-21481-1 05 p0699 N91-13890* #
NASA-CASE-MSC-21500-1 13 p2088 N91-21493*
NASA-CASE-MSC-21502-1 13 p2097 N91-21543*
NASA-CASE-MSC-21504-1 13 p2040 N91-21221*
NASA-CASE-MSC-21509-1 17 p2864 N91-25840*
NASA-CASE-MSC-21517-1 16 p2633 N91-24577* #
NASA-CASE-MSC-21534-1 13 p2040 N91-21222*
NASA-CASE-MSC-21536-1 05 p0629 N91-13483* #
NASA-CASE-MSC-21539-1 06 p0834 N91-14610*
NASA-CASE-MSC-21540-1 24 p4029 N91-32514*
NASA-CASE-MSC-21549-1 19 p3166 N91-27504*
NASA-CASE-MSC-21555-1 15 p2435 N91-23492* #
NASA-CASE-MSC-21559-1 05 p0693 N91-13860* #
NASA-CASE-MSC-21562-1 16 p2564 N91-24216* #
NASA-CASE-MSC-21577-1-SB 15 p2397 N91-23271* #
NASA-CASE-MSC-21580-1 15 p2435 N91-23491* #
NASA-CASE-MSC-21584-1 16 p2592 N91-24362* #
NASA-CASE-MSC-21585-1 23 p3897 N91-31755*
NASA-CASE-MSC-21589-1 08 p1195 N91-16566* #
NASA-CASE-MSC-21625-1 20 p3381 N91-28730* #
NASA-CASE-MSC-21629-1 23 p3906 N91-31803* #
NASA-CASE-MSC-21631-1 24 p4106 N91-32947* #
NASA-CASE-MSC-21662-1 09 p1370 N91-17531* #
NASA-CASE-MSC-21671-1 24 p4026 N91-32498*
NASA-CASE-MSC-21675-1 05 p0694 N91-13865* #
NASA-CASE-MSC-21700-1 15 p2430 N91-23462* #
NASA-CASE-MSC-21703-1 17 p2765 N91-25305*
NASA-CASE-MSC-21729-1 09 p1336 N91-17340* #
NASA-CASE-MSC-21730-1 15 p2435 N91-23493* #
NASA-CASE-MSC-21737-1 05 p0702 N91-13911* #
NASA-CASE-MSC-21748-1 17 p2785 N91-25415* #
NASA-CASE-MSC-21763-1 17 p2817 N91-25570* #
NASA-CASE-MSC-21793-1 20 p3289 N91-28186* #

NASA-CASE-NPO-11907-1-NP 23 p3807 N91-31236*
NASA-CASE-NPO-15959-2 06 p0835 N91-14616*
NASA-CASE-NPO-16306-1-CU 07 p1072 N91-15898*
NASA-CASE-NPO-16635-1-CU 24 p3981 N91-32240*
NASA-CASE-NPO-16904-2-CU 06 p0818 N91-14523*
NASA-CASE-NPO-16985-1-CU 07 p0988 N91-15423*
NASA-CASE-NPO-16987-1-CU 17 p2767 N91-25316*
NASA-CASE-NPO-16989-1-CU 06 p0830 N91-14587*

NASA-CASE-NPO-17122-1-CU 06 p0813 N91-14489*
NASA-CASE-NPO-17134-1-CU 23 p3861 N91-31528*
NASA-CASE-NPO-17185-1-CU 06 p0863 N91-14772*
NASA-CASE-NPO-17197-1-CU 17 p2839 N91-25693* #
NASA-CASE-NPO-17204-1-CU 17 p2779 N91-25380*
NASA-CASE-NPO-17258-1-CU 06 p0823 N91-14551*
NASA-CASE-NPO-17282-1-CU 07 p1007 N91-15528*
NASA-CASE-NPO-17355-1-CU 09 p1340 N91-17360* #
NASA-CASE-NPO-17394-1-CU 23 p3907 N91-31810*
NASA-CASE-NPO-17401-1-CU 23 p3918 N91-31885*
NASA-CASE-NPO-17426-1-CU 13 p2076 N91-21434*
NASA-CASE-NPO-17436-1-CU 07 p1004 N91-15512*
NASA-CASE-NPO-17461-1-CU 09 p1338 N91-17350*
NASA-CASE-NPO-17479-1-CU 05 p0659 N91-13658* #
NASA-CASE-NPO-17498-1-CU 06 p0871 N91-14813*
NASA-CASE-NPO-17511-1-CU 06 p0870 N91-14807*
NASA-CASE-NPO-17512-1-CU 18 p3062 N91-26918*
NASA-CASE-NPO-17526-1-CU 06 p0830 N91-14588*
NASA-CASE-NPO-17604-1-CU 06 p0821 N91-14536*
NASA-CASE-NPO-17620-1-CU 06 p0870 N91-14808*
NASA-CASE-NPO-17632-1-CU 24 p4082 N91-32805* #
NASA-CASE-NPO-17633-1-CU 19 p3143 N91-27372*
NASA-CASE-NPO-17640-1-CU 06 p0821 N91-14538*
NASA-CASE-NPO-17664-1-CU 24 p4090 N91-32852*
NASA-CASE-NPO-17678-1-CU 19 p3256 N91-28014*
NASA-CASE-NPO-17703-1-CU 19 p3247 N91-27957*
NASA-CASE-NPO-17784-1-CU 05 p0716 N91-13998* #
NASA-CASE-NPO-17800-1-CU 05 p0670 N91-13724* #
NASA-CASE-NPO-17801-1-CU 13 p2097 N91-21544*
NASA-CASE-NPO-17806-1-CU 19 p3146 N91-27385*
NASA-CASE-NPO-17809-1-CU 19 p3161 N91-27478*
NASA-CASE-NPO-17820-1-CU 06 p0779 N91-14321*
NASA-CASE-NPO-17830-1-CU 06 p0821 N91-14539*
NASA-CASE-NPO-17831-1-CU 06 p0840 N91-14642*
NASA-CASE-NPO-17852-1-CU 15 p2489 N91-23783* #
NASA-CASE-NPO-17853-1-CU 17 p2767 N91-25318*
NASA-CASE-NPO-17896-1-CU 19 p3155 N91-27439*
NASA-CASE-NPO-17904-1-CU 05 p0648 N91-13594* #
NASA-CASE-NPO-17914-1-CU 05 p0678 N91-13767* #
NASA-CASE-NPO-17922-1-CU 05 p0652 N91-13621* #
NASA-CASE-NPO-17937-1-CU 13 p2111 N91-21621*
NASA-CASE-NPO-17941-1-CU 05 p0648 N91-13595* #
NASA-CASE-NPO-17997-1-CU 05 p0698 N91-13888* #
NASA-CASE-NPO-18028-1-CU 16 p2688 N91-24878* #
NASA-CASE-NPO-18034-1-CU 05 p0683 N91-13796* #
NASA-CASE-NPO-18075-1-CU 05 p0652 N91-13622* #
NASA-CASE-NPO-18095-1-CU 24 p4102 N91-32923* #
NASA-CASE-NPO-18098-1-CU 15 p2507 N91-23890* #
NASA-CASE-NPO-18101-1-CU 17 p2864 N91-25841*
NASA-CASE-NPO-18115-1-CU 15 p2465 N91-23662* #
NASA-CASE-NPO-18116-1-CU 24 p4028 N91-32509* #
NASA-CASE-NPO-18134-1-CU 24 p4028 N91-32510* #
NASA-CASE-NPO-18194-1-CU 24 p4103 N91-32924* #
NASA-CASE-NPO-18243-1-CU 24 p4024 N91-32489* #
NASA-CASE-NPO-18278-1-CU 24 p4103 N91-32925* #
NASA-CASE-NPO-18317-1-CU 24 p4103 N91-32926* #

NASA-CASE-NST-00007-1 06 p0844 N91-14662*

NASA-CASE-SSC-00004-1 06 p0834 N91-14609*
NASA-CASE-SSC-00006-1 05 p0664 N91-13691* #
NASA-CASE-SSC-00008-1 05 p0671 N91-13733* #
NASA-CASE-SSC-00010-1 15 p2522 N91-23976* #
NASA-CASE-SSC-00013-1 24 p4029 N91-32515* #

NASA-CP-3020-VOL-2 16 p2550 N91-24132* #
NASA-CP-3036 06 p0886 N91-14897* #
NASA-CP-3051 01 p0098 N91-10574* #
NASA-CP-3060 12 p1859 N91-20207* #
NASA-CP-3064 01 p0050 N91-10301* #
NASA-CP-3078 13 p2012 N91-21062* #
NASA-CP-3080 06 p0828 N91-14574* #
NASA-CP-3081-VOL-2 09 p1277 N91-17020* #
NASA-CP-3083 01 p0074 N91-10448* #
NASA-CP-3084 05 p0734 N91-14100* #
NASA-CP-3085 07 p1078 N91-15930* #
NASA-CP-3086 03 p0439 N91-12456* #
NASA-CP-3088 03 p0429 N91-12401* #
NASA-CP-3089 09 p1401 N91-17713* #
NASA-CP-3090 02 p0161 N91-10936* #
NASA-CP-3091 10 p1486 N91-18189* #
NASA-CP-3093 08 p1181 N91-16500* #
NASA-CP-3094 05 p0691 N91-13842* #
NASA-CP-3095 11 p1637 N91-19024* #
NASA-CP-3096 11 p1656 N91-19126* #
NASA-CP-3098 08 p1244 N91-16858* #
NASA-CP-3099 07 p1023 N91-15615* #
NASA-CP-3101 08 p1214 N91-16682* #
NASA-CP-3102 09 p1287 N91-17073* #
NASA-CP-3103-VOL-1 12 p1934 N91-20641* #
NASA-CP-3103-VOL-2 12 p1945 N91-20702* #
NASA-CP-3105 12 p1833 N91-20071* #
NASA-CP-3106-VOL-1 24 p4046 N91-32599* #
NASA-CP-3106-VOL-2 24 p4062 N91-32693* #
NASA-CP-3107 11 p1666 N91-19182* #
NASA-CP-3108 10 p1559 N91-18573* #

NASA-CP-3109-VOL-1 ..... 14 p2354 N91-23021* #
NASA-CP-3109-VOL-2 ..... 15 p2535 N91-24041* #
NASA-CP-3110 ..... 14 p2312 N91-22769* #
NASA-CP-3111 ..... 12 p1911 N91-20506* #
NASA-CP-3112 ..... 17 p2742 N91-25176* #
NASA-CP-3112-VOL-2 ..... 20 p3291 N91-28193* #
NASA-CP-3112-VOL-3 ..... 20 p3297 N91-28235* #
NASA-CP-3113 ..... 16 p2639 N91-24603* #
NASA-CP-3114 ..... 24 p4032 N91-32528* #
NASA-CP-3115-VOL-1 ..... 12 p1916 N91-20541* #
NASA-CP-3115-VOL-2 ..... 18 p3001 N91-26573* #
NASA-CP-3116 ..... 17 p2850 N91-25755* #
NASA-CP-3117 ..... 18 p3077 N91-27009* #
NASA-CP-3120 ..... 17 p2814 N91-25556* #
NASA-CP-3121 ..... 22 p3631 N91-30203* #
NASA-CP-3125 ..... 24 p4036 N91-32549* #
NASA-CP-3126 ..... 24 p4056 N91-32660* #
NASA-CP-10028 ..... 16 p2560 N91-24200* #
NASA-CP-10030 ..... 16 p2581 N91-24307* #
NASA-CP-10031 ..... 16 p2563 N91-24211* #
NASA-CP-10038-VOL-1 ..... 02 p0143 N91-10839* #
NASA-CP-10038-VOL-2 ..... 02 p0149 N91-10868* #
NASA-CP-10040 ..... 16 p2665 N91-24744* #
NASA-CP-10042 ..... 02 p0283 N91-11591* #
NASA-CP-10045 ..... 13 p2012 N91-21062* #
NASA-CP-10050-PT-1 ..... 03 p0302 N91-11682* #
NASA-CP-10050-PT-2 ..... 03 p0304 N91-11695* #
NASA-CP-10052 ..... 09 p1376 N91-17559* #
NASA-CP-10054 ..... 07 p0938 N91-15141* #
NASA-CP-10055 ..... 07 p1038 N91-15691* #
NASA-CP-10056 ..... 12 p1846 N91-20147* #
NASA-CP-10057-PT-1 ..... 10 p1486 N91-18186* #
NASA-CP-10057-PT-2 ..... 11 p1656 N91-19122* #
NASA-CP-10059 ..... 14 p2198 N91-22139* #
NASA-CP-10060-PT-1 ..... 16 p2555 N91-24166* #
NASA-CP-10060-PT-2 ..... 16 p2551 N91-24140* #
NASA-CP-10061-VOL-1 ..... 13 p2140 N91-21778* #
NASA-CP-10061-VOL-2 ..... 12 p1965 N91-20811* #
NASA-CP-10062 ..... 13 p2114 N91-21641* #
NASA-CP-10063 ..... 12 p1835 N91-20086* #
NASA-CP-10065-PT-1 ..... 14 p2225 N91-22307* #
NASA-CP-10065-PT-2 ..... 14 p2229 N91-22331* #
NASA-CP-10066-PT-1 ..... 13 p2035 N91-21188* #
NASA-CP-10066-PT-2 ..... 13 p2037 N91-21203* #
NASA-CP-10072 ..... 16 p2705 N91-24972* #
NASA-CP-10073-PT-1 ..... 19 p3109 N91-27177* #
NASA-CP-10073-PT-2 ..... 19 p3109 N91-27178* #
NASA-CP-10074 ..... 18 p3085 N91-27057* #
NASA-CP-10075 ..... 21 p3469 N91-29240* #

NASA-CR-3922(33) ..... 04 p0550 N91-13052* #
NASA-CR-3922(34) 18 p3019 N91-26669*
NASA-CR-3922(35) ..... 11 p1763 N91-19700* #
NASA-CR-3922(36) 18 p3019 N91-26670*
NASA-CR-3922(37) 22 p3713 N91-30669*
NASA-CR-3958 ..... 11 p1644 N91-19067* #
NASA-CR-3974 ..... 01 p0094 N91-10548* #
NASA-CR-4177 ..... 21 p3471 N91-29253* #
NASA-CR-4256 ..... 18 p2984 N91-26479* #
NASA-CR-4260 ..... 22 p3629 N91-30195* #
NASA-CR-4309 ..... 11 p1641 N91-19050* #
NASA-CR-4319 ..... 01 p0016 N91-10098* #
NASA-CR-4320 ..... 12 p1831 N91-20062* #
NASA-CR-4327 ..... 05 p0625 N91-13463* #
NASA-CR-4329 ..... 11 p1641 N91-19049* #
NASA-CR-4330 ..... 02 p0166 N91-10964* #
NASA-CR-4331 ..... 06 p0784 N91-14347* #
NASA-CR-4333 ..... 05 p0715 N91-13991* #
NASA-CR-4334 ..... 11 p1714 N91-19435* #
NASA-CR-4335 ..... 03 p0376 N91-12104* #
NASA-CR-4336 ..... 03 p0398 N91-12210* #
NASA-CR-4337 ..... 13 p2112 N91-21625* #
NASA-CR-4338 ..... 05 p0672 N91-13737* #
NASA-CR-4339 ..... 09 p1325 N91-17277* #
NASA-CR-4340 ..... 05 p0705 N91-13930* #
NASA-CR-4341 ..... 11 p1714 N91-19438* #
NASA-CR-4342 ..... 11 p1714 N91-19439* #
NASA-CR-4343 ..... 11 p1663 N91-19164* #
NASA-CR-4345 ..... 10 p1528 N91-18413* #
NASA-CR-4346-PT-1 ..... 10 p1542 N91-18489* #
NASA-CR-4346-PT-2 ..... 10 p1543 N91-18490* #
NASA-CR-4347 ..... 11 p1725 N91-19498* #
NASA-CR-4350 ..... 22 p3610 N91-30080* #
NASA-CR-4351 ..... 12 p1930 N91-20620* #
NASA-CR-4352 ..... 13 p2028 N91-21155* #
NASA-CR-4353 ..... 12 p1868 N91-20265* #
NASA-CR-4355 ..... 13 p2100 N91-21557* #
NASA-CR-4357 ..... 14 p2277 N91-22595* #
NASA-CR-4358 ..... 14 p2277 N91-22596* #
NASA-CR-4359 ..... 14 p2278 N91-22597* #
NASA-CR-4360 ..... 14 p2278 N91-22598* #
NASA-CR-4361 ..... 13 p2121 N91-21670* #
NASA-CR-4362 ..... 14 p2319 N91-22805* #
NASA-CR-4363 ..... 14 p2280 N91-22609* #
NASA-CR-4364 ..... 20 p3312 N91-28334* #
NASA-CR-4365 ..... 16 p2599 N91-24402* #
NASA-CR-4366 ..... 14 p2234 N91-22359* #
NASA-CR-4367 ..... 14 p2246 N91-22426* #
NASA-CR-4368 ..... 16 p2599 N91-24404* #
NASA-CR-4369 ..... 14 p2187 N91-22080* #
NASA-CR-4370 ..... 19 p3201 N91-27694* #
NASA-CR-4371 ..... 17 p2728 N91-25104* #
NASA-CR-4372 ..... 17 p2829 N91-25625* #
NASA-CR-4373 ..... 14 p2188 N91-22085* #
NASA-CR-4375 ..... 16 p2559 N91-24195* #
NASA-CR-4376 ..... 17 p2738 N91-25158* #
NASA-CR-4377 ..... 16 p2565 N91-24222* #
NASA-CR-4378 ..... 18 p3085 N91-27056* #
NASA-CR-4379 ..... 17 p2916 N91-26100* #
NASA-CR-4381 ..... 21 p3559 N91-29778* #
NASA-CR-4382 ..... 19 p3149 N91-27402* #
NASA-CR-4383 ..... 19 p3173 N91-27546* #
NASA-CR-4384 ..... 19 p3232 N91-27868* #
NASA-CR-4385 ..... 19 p3214 N91-27763* #
NASA-CR-4386 ..... 19 p3233 N91-27873* #
NASA-CR-4389 ..... 21 p3583 N91-29935* #
NASA-CR-4390 ..... 20 p3280 N91-28138* #
NASA-CR-4393 ..... 24 p3965 N91-32155* #
NASA-CR-4394 ..... 22 p3750 N91-30903* #
NASA-CR-4395 ..... 23 p3851 N91-31470* #
NASA-CR-4396-VOL-1 ..... 22 p3679 N91-30489* #
NASA-CR-4398 ..... 24 p3952 N91-32088* #
NASA-CR-4399 ..... 23 p3874 N91-31609* #
NASA-CR-4400 ..... 23 p3885 N91-31684* #
NASA-CR-4401 ..... 23 p3886 N91-31685* #
NASA-CR-4402 ..... 23 p3886 N91-31686* #
NASA-CR-4403 ..... 24 p4090 N91-32853* #
NASA-CR-166044-VOL-1 ..... 13 p2033 N91-21179* #
NASA-CR-166044-VOL-2 ..... 13 p2033 N91-21180* #
NASA-CR-166482 ..... 13 p2080 N91-21459* #
NASA-CR-171944 ..... 01 p0014 N91-10085* #
NASA-CR-175077 ..... 16 p2561 N91-24204* #
NASA-CR-175078 ..... 16 p2561 N91-24205* #
NASA-CR-175079 ..... 16 p2562 N91-24208* #
NASA-CR-175080 ..... 16 p2561 N91-24206* #
NASA-CR-175081 ..... 16 p2562 N91-24207* #
NASA-CR-176874 ..... 02 p0228 N91-11276* #
NASA-CR-177372 ..... 13 p2022 N91-21121* #
NASA-CR-177452 ..... 05 p0617 N91-13424* #
NASA-CR-177466 ..... 05 p0712 N91-13972* #
NASA-CR-177522 ..... 13 p2128 N91-21714* #
NASA-CR-177527 ..... 16 p2608 N91-24452* #
NASA-CR-177538 ..... 11 p1693 N91-19323* #
NASA-CR-177549 ..... 19 p3103 N91-27144* #
NASA-CR-177557 ..... 11 p1771 N91-19714* #
NASA-CR-177561 ..... 02 p0256 N91-11425* #
NASA-CR-177565 ..... 13 p2147 N91-21829* #
NASA-CR-177568 ..... 11 p1643 N91-19060* #
NASA-CR-177569 ..... 01 p0008 N91-10048* #
NASA-CR-177570 ..... 06 p0777 N91-14311* #
NASA-CR-177571-VOL-1 ..... 13 p2027 N91-21149* #
NASA-CR-177571-VOL-2 ..... 13 p2027 N91-21150* #
NASA-CR-177572 ..... 07 p0938 N91-15139* #
NASA-CR-177573 ..... 08 p1095 N91-16012* #
NASA-CR-177575 ..... 11 p1781 N91-19771* #
NASA-CR-177576 ..... 18 p2923 N91-26126* #
NASA-CR-177578 ..... 15 p2374 N91-23136* #
NASA-CR-177582 ..... 16 p2673 N91-24793* #
NASA-CR-177583 ..... 17 p2824 N91-25601* #
NASA-CR-177585 ..... 18 p2925 N91-26139* #
NASA-CR-177586 ..... 16 p2559 N91-24198* #
NASA-CR-177589 ..... 19 p3169 N91-27524* #
NASA-CR-177590 ..... 20 p3285 N91-28168* #
NASA-CR-178246 ..... 21 p3472 N91-29254* #
NASA-CR-178883 ..... 21 p3529 N91-29603* #
NASA-CR-179432 ..... 16 p2562 N91-24210* #
NASA-CR-179445 ..... 06 p0785 N91-14353* #
NASA-CR-179447 ..... 12 p1835 N91-20085* #
NASA-CR-179448 ..... 14 p2193 N91-22116* #
NASA-CR-179449 ..... 16 p2559 N91-24193* #
NASA-CR-179450 ..... 16 p2559 N91-24194* #
NASA-CR-180334 ..... 04 p0577 N91-13210* #
NASA-CR-180335 ..... 01 p0137 N91-10810* #
NASA-CR-180428 ..... 01 p0127 N91-10755* #
NASA-CR-180433 ..... 05 p0732 N91-14088* #
NASA-CR-180474 ..... 02 p0187 N91-11050* #
NASA-CR-180489 ..... 01 p0049 N91-10293* #
NASA-CR-180681 ..... 02 p0263 N91-11474* #
NASA-CR-180886 ..... 16 p2628 N91-24552* #
NASA-CR-181054 ..... 04 p0469 N91-12629* #
NASA-CR-181352 ..... 01 p0007 N91-10039* #
NASA-CR-181795 ..... 03 p0319 N91-11785* #
NASA-CR-181850 ..... 21 p3457 N91-29176* #
NASA-CR-181882 ..... 05 p0621 N91-13447* #
NASA-CR-181888 ..... 06 p0784 N91-14346* #
NASA-CR-181918 ..... 16 p2551 N91-24139* #
NASA-CR-181924-VOL-1 ..... 16 p2548 N91-24118* #
NASA-CR-181924-VOL-2 ..... 16 p2548 N91-24119* #
NASA-CR-181990 ..... 12 p1975 N91-20863* #
NASA-CR-182020 ..... 07 p0945 N91-15180* #
NASA-CR-182021 ..... 23 p3887 N91-31692* #
NASA-CR-182063 ..... 03 p0325 N91-11808* #

NASA-CR-182064 ..... 07 p0963 N91-15300* #
NASA-CR-182069 ..... 10 p1467 N91-18094* #
NASA-CR-182070 ..... 04 p0480 N91-12677* #
NASA-CR-182075 ..... 16 p2681 N91-24844* #
NASA-CR-182076 ..... 15 p2364 N91-23080* #
NASA-CR-182077 ..... 15 p2364 N91-23081* #
NASA-CR-182087 ..... 07 p0989 N91-15425* #
NASA-CR-182088 ..... 07 p0946 N91-15188* #
NASA-CR-182092 ..... 04 p0593 N91-13309* #
NASA-CR-182093 ..... 02 p0182 N91-11027* #
NASA-CR-182096-SUPPL-5 ..... 05 p0657 N91-13651* #
NASA-CR-182098 ..... 09 p1337 N91-17342* #
NASA-CR-182099 ..... 07 p1048 N91-15752* #
NASA-CR-182100 ..... 01 p0104 N91-10600* #
NASA-CR-182101 ..... 02 p0257 N91-11430* #
NASA-CR-182102 ..... 01 p0002 N91-10010* #
NASA-CR-182103 ..... 01 p0002 N91-10009* #
NASA-CR-182104 ..... 02 p0252 N91-11397* #
NASA-CR-182109 ..... 16 p2628 N91-24551* #
NASA-CR-182123 ..... 01 p0011 N91-10065* #
NASA-CR-182205 ..... 16 p2644 N91-24636* #
NASA-CR-182215 ..... 05 p0684 N91-13804*
NASA-CR-182289 ..... 16 p2607 N91-24451* #
NASA-CR-182290 ..... 16 p2628 N91-24553* #
NASA-CR-182323 ..... 05 p0655 N91-13639* #
NASA-CR-182453 ..... 05 p0704 N91-13929* #
NASA-CR-182474 ..... 08 p1153 N91-16350* #
NASA-CR-182851 ..... 05 p0689 N91-13833* #
NASA-CR-183198 ..... 05 p0629 N91-13487* #
NASA-CR-183199 ..... 02 p0187 N91-11049* #
NASA-CR-183200 ..... 05 p0629 N91-13486* #
NASA-CR-183201 ..... 05 p0629 N91-13485* #
NASA-CR-183316 ..... 12 p1919 N91-20556* #
NASA-CR-183317 ..... 12 p1918 N91-20553* #
NASA-CR-183318 ..... 12 p1919 N91-20557* #
NASA-CR-183319 ..... 12 p1919 N91-20554* #
NASA-CR-183320 ..... 12 p1919 N91-20558* #
NASA-CR-183321 ..... 12 p1919 N91-20555* #
NASA-CR-183475 ..... 14 p2281 N91-22614* #
NASA-CR-183476 ..... 12 p1904 N91-20472* #
NASA-CR-183477 ..... 18 p2993 N91-26527* #
NASA-CR-183485 ..... 23 p3938 N91-32007* #
NASA-CR-183490 ..... 23 p3940 N91-32020* #
NASA-CR-183491 ..... 23 p3940 N91-32021* #
NASA-CR-183492 ..... 23 p3940 N91-32022* #
NASA-CR-183493 ..... 24 p4043 N91-32591* #
NASA-CR-183495 ..... 23 p3939 N91-32012* #
NASA-CR-183617 ..... 05 p0630 N91-13489* #
NASA-CR-183660 ..... 16 p2563 N91-24212* #
NASA-CR-183681 ..... 16 p2614 N91-24471* #
NASA-CR-183729 ..... 16 p2587 N91-24339* #
NASA-CR-183730 ..... 18 p2937 N91-26196* #
NASA-CR-183780 ..... 16 p2587 N91-24340* #
NASA-CR-183781 ..... 16 p2628 N91-24554* #
NASA-CR-183824 ..... 21 p3468 N91-29233* #
NASA-CR-183855 ..... 02 p0184 N91-11034* #
NASA-CR-183943 ..... 06 p0788 N91-14358* #
NASA-CR-183950 ..... 02 p0188 N91-11054* #
NASA-CR-183951 ..... 02 p0189 N91-11055* #
NASA-CR-183963 ..... 02 p0258 N91-11432* #
NASA-CR-183969 ..... 02 p0184 N91-11031* #
NASA-CR-183972 ..... 01 p0019 N91-10111* #
NASA-CR-183973 ..... 01 p0019 N91-10112* #
NASA-CR-183974 ..... 01 p0019 N91-10113* #
NASA-CR-183975 ..... 01 p0019 N91-10114* #
NASA-CR-183996 ..... 02 p0185 N91-11037* #
NASA-CR-183997 ..... 02 p0185 N91-11038* #
NASA-CR-184009 ..... 02 p0195 N91-11091* #
NASA-CR-184012 ..... 07 p1086 N91-15974* #
NASA-CR-184013 ..... 06 p0933 N91-15120* #
NASA-CR-184014 ..... 06 p0933 N91-15119* #
NASA-CR-184025 ..... 02 p0220 N91-11233* #
NASA-CR-184026 ..... 01 p0019 N91-10115* #
NASA-CR-184027 ..... 04 p0494 N91-12746* #
NASA-CR-184028 ..... 05 p0684 N91-13807* #
NASA-CR-184029 ..... 04 p0494 N91-12747* #
NASA-CR-184030 ..... 05 p0643 N91-13569* #
NASA-CR-184031 ..... 06 p0829 N91-14581* #
NASA-CR-184032 ..... 05 p0661 N91-13675* #
NASA-CR-184033 ..... 05 p0693 N91-13856* #
NASA-CR-184034 ..... 06 p0791 N91-14373* #
NASA-CR-184035 ..... 04 p0495 N91-12748* #
NASA-CR-184036 ..... 04 p0493 N91-12738* #
NASA-CR-184037 ..... 04 p0492 N91-12737* #
NASA-CR-184040 ..... 05 p0643 N91-13570* #
NASA-CR-184041 ..... 04 p0495 N91-12749* #
NASA-CR-184043 ..... 05 p0663 N91-13688* #
NASA-CR-184044 ..... 10 p1626 N91-18967* #
NASA-CR-184045 ..... 05 p0689 N91-13832* #
NASA-CR-184050 ..... 06 p0800 N91-14415* #
NASA-CR-184051 ..... 06 p0800 N91-14416* #
NASA-CR-184052 ..... 05 p0627 N91-13474* #
NASA-CR-184061 ..... 07 p1082 N91-15953* #
NASA-CR-184068 ..... 09 p1339 N91-17351* #
NASA-CR-184069 ..... 09 p1339 N91-17352* #
NASA-CR-184070 ..... 09 p1339 N91-17353* #
NASA-CR-184071 ..... 08 p1150 N91-16332* #
NASA-CR-184072 ..... 08 p1150 N91-16333* #
NASA-CR-184073 ..... 08 p1150 N91-16334* #
NASA-CR-184074 ..... 08 p1103 N91-16056* #
NASA-CR-184078 ..... 08 p1104 N91-16064* #
NASA-CR-184081 ..... 09 p1379 N91-17579* #
NASA-CR-184082 ..... 09 p1353 N91-17434* #
NASA-CR-184083 ..... 09 p1300 N91-17135* #
NASA-CR-184084 ..... 08 p1186 N91-16523* #
NASA-CR-184091 ..... 13 p2042 N91-21230* #
NASA-CR-184092 ..... 09 p1301 N91-17139* #
NASA-CR-184094 ..... 09 p1286 N91-17068* #
NASA-CR-184095 ..... 07 p0987 N91-15421* #
NASA-CR-184099 ..... 13 p2042 N91-21232* #
NASA-CR-184100 ..... 10 p1531 N91-18435* #
NASA-CR-184101 ..... 13 p2094 N91-21526* #
NASA-CR-184103 ..... 10 p1491 N91-18209* #
NASA-CR-184104 ..... 13 p2042 N91-21231* #
NASA-CR-184105 ..... 10 p1491 N91-18208* #
NASA-CR-184106 ..... 10 p1506 N91-18288* #
NASA-CR-184107 ..... 12 p1858 N91-20203* #
NASA-CR-184108 ..... 10 p1527 N91-18406* #
NASA-CR-184109 ..... 14 p2225 N91-22303* #
NASA-CR-184110 ..... 11 p1664 N91-19172* #
NASA-CR-184111 ..... 14 p2225 N91-22304* #
NASA-CR-184112 ..... 11 p1663 N91-19162* #
NASA-CR-184113 ..... 11 p1663 N91-19163* #
NASA-CR-184114 ..... 14 p2244 N91-22416* #
NASA-CR-184115 ..... 11 p1674 N91-19223* #
NASA-CR-184123 ..... 20 p3291 N91-28192* #
NASA-CR-184124 ..... 18 p2936 N91-26195* #
NASA-CR-184125 ..... 19 p3114 N91-27203* #
NASA-CR-184126 ..... 12 p1924 N91-20589* #
NASA-CR-184127 ..... 14 p2235 N91-22368* #
NASA-CR-184128 ..... 14 p2235 N91-22366* #
NASA-CR-184129-VOL-1-BK-1 ..... 14 p2267 N91-22542* #
NASA-CR-184130-VOL-1-BK-2 ..... 14 p2267 N91-22541* #
NASA-CR-184137 ..... 13 p2183 N91-22063* #
NASA-CR-184138 ..... 14 p2235 N91-22364* #
NASA-CR-184140 ..... 12 p1879 N91-20327* #
NASA-CR-184141 ..... 13 p2043 N91-21239* #
NASA-CR-184143 ..... 14 p2273 N91-22573* #
NASA-CR-184153 ..... 14 p2234 N91-22363* #
NASA-CR-184155 ..... 14 p2236 N91-22374* #
NASA-CR-184156 ..... 14 p2235 N91-22365* #
NASA-CR-184157 ..... 15 p2390 N91-23229* #
NASA-CR-184158 ..... 16 p2629 N91-24558* #
NASA-CR-184161 ..... 13 p2043 N91-21235* #
NASA-CR-184162 ..... 17 p2813 N91-25548* #
NASA-CR-184163 ..... 18 p2938 N91-26203* #
NASA-CR-184165 ..... 18 p3016 N91-26655* #
NASA-CR-184166 ..... 18 p2956 N91-26313* #
NASA-CR-184167 ..... 16 p2612 N91-24463* #
NASA-CR-184169 ..... 21 p3552 N91-29737* #
NASA-CR-184170 ..... 21 p3573 N91-29865* #
NASA-CR-184171 ..... 21 p3479 N91-29297* #
NASA-CR-184172 ..... 21 p3521 N91-29554* #
NASA-CR-184175 ..... 21 p3510 N91-29488* #
NASA-CR-184178 ..... 22 p3626 N91-30175* #
NASA-CR-184183 ..... 22 p3627 N91-30181* #
NASA-CR-184184 ..... 22 p3641 N91-30262* #
NASA-CR-184185 ..... 22 p3641 N91-30264* #
NASA-CR-184186 ..... 22 p3640 N91-30261* #
NASA-CR-184187 ..... 22 p3641 N91-30263* #
NASA-CR-184188 ..... 22 p3640 N91-30260* #
NASA-CR-184189 ..... 22 p3624 N91-30161* #
NASA-CR-184197 ..... 23 p3874 N91-31607* #
NASA-CR-184198 ..... 23 p3802 N91-31204* #
NASA-CR-184200 ..... 24 p4026 N91-32497* #
NASA-CR-184201 ..... 24 p4041 N91-32579* #
NASA-CR-184205 ..... 23 p3804 N91-31215* #
NASA-CR-184208 ..... 23 p3914 N91-31853* #
NASA-CR-184209 ..... 23 p3803 N91-31214* #
NASA-CR-184219 ..... 24 p3978 N91-32221* #
NASA-CR-184238 ..... 24 p3981 N91-32236* #
NASA-CR-184565 ..... 01 p0056 N91-10333* #
NASA-CR-184665 ..... 19 p3263 N91-28050* #
NASA-CR-184846 ..... 13 p2100 N91-21561* #
NASA-CR-184916 ..... 06 p0802 N91-14429* #
NASA-CR-184930 ..... 09 p1347 N91-17402* #
NASA-CR-184932 ..... 03 p0319 N91-11782* #
NASA-CR-184955 ..... 02 p0294 N91-11649* #
NASA-CR-184957 ..... 18 p2992 N91-26520* #
NASA-CR-184983 ..... 18 p2937 N91-26201* #
NASA-CR-184994 ..... 05 p0706 N91-13939* #
NASA-CR-185060 ..... 18 p2943 N91-26238* #
NASA-CR-185101 ..... 06 p0839 N91-14638* #
NASA-CR-185127 ..... 02 p0203 N91-11134* #
NASA-CR-185175 ..... 11 p1665 N91-19174* #
NASA-CR-185192 ..... 15 p2500 N91-23849* #
NASA-CR-185193 ..... 15 p2500 N91-23850* #
NASA-CR-185194 ..... 15 p2501 N91-23851* #
NASA-CR-185195 ..... 15 p2501 N91-23852* #
NASA-CR-185233 ..... 08 p1104 N91-16063* #
NASA-CR-185239 ..... 13 p2087 N91-21485* #
NASA-CR-185253 ..... 14 p2278 N91-22601* #

NASA-CR-185261 ..... 13 p2045 N91-21252* #
NASA-CR-185262 ..... 07 p0966 N91-15307* #
NASA-CR-185264 ..... 08 p1119 N91-16150* #
NASA-CR-185281 ..... 09 p1356 N91-17452* #
NASA-CR-185285 ..... 06 p0800 N91-14414* #
NASA-CR-185289 ..... 01 p0020 N91-10116* #
NASA-CR-185292 ..... 11 p1640 N91-19048* #
NASA-CR-185293 ..... 03 p0325 N91-11806* #
NASA-CR-185294 ..... 04 p0534 N91-12962* #
NASA-CR-185295 ..... 06 p0792 N91-14378* #
NASA-CR-185296 ..... 16 p2580 N91-24300* #
NASA-CR-185298 ..... 12 p1915 N91-20538* #
NASA-CR-185299 ..... 19 p3117 N91-27224* #
NASA-CR-185300 ..... 11 p1642 N91-19059* #
NASA-CR-185301 ..... 06 p0817 N91-14511* #
NASA-CR-185302 ..... 01 p0023 N91-10133* #
NASA-CR-185303 ..... 03 p0379 N91-12117* #
NASA-CR-185304 ..... 03 p0348 N91-11944* #
NASA-CR-185306 ..... 03 p0313 N91-11753* #
NASA-CR-185307 ..... 06 p0801 N91-14422* #
NASA-CR-185343 ..... 18 p2922 N91-26123* #
NASA-CR-185349 ..... 05 p0734 N91-14098* #
NASA-CR-185354 ..... 05 p0676 N91-13756* #
NASA-CR-185355 ..... 05 p0734 N91-14099* #
NASA-CR-185356 ..... 18 p2986 N91-26488* #
NASA-CR-185358 ..... 18 p3067 N91-26944* #
NASA-CR-185384 ..... 19 p3136 N91-27328* #
NASA-CR-185394 ..... 05 p0629 N91-13484* #
NASA-CR-185433 ..... 19 p3218 N91-27785* #
NASA-CR-185453 ..... 18 p3058 N91-26889* #
NASA-CR-185476 ..... 09 p1354 N91-17437* #
NASA-CR-185513-PT-1 ..... 06 p0851 N91-14700* #
NASA-CR-185513-PT-2 ..... 06 p0852 N91-14701* #
NASA-CR-185516 ..... 16 p2631 N91-24566* #
NASA-CR-185606 ..... 06 p0855 N91-14719* #
NASA-CR-185610 ..... 04 p0517 N91-12874* #
NASA-CR-185612 ..... 02 p0205 N91-11148* #
NASA-CR-185613 ..... 22 p3625 N91-30168* #
NASA-CR-185614 ..... 01 p0017 N91-10102* #
NASA-CR-185628 ..... 22 p3704 N91-30616* #
NASA-CR-185631 ..... 04 p0556 N91-13081* #
NASA-CR-185636 ..... 02 p0235 N91-11310* #
NASA-CR-185637-VOL-1 ..... 18 p3091 N91-27088* #
NASA-CR-185637-VOL-2 ..... 18 p3094 N91-27103* #
NASA-CR-185638 ..... 19 p3173 N91-27541* #
NASA-CR-185640 ..... 16 p2691 N91-24898* #
NASA-CR-185642 ..... 13 p2075 N91-21427* #
NASA-CR-185643 ..... 10 p1486 N91-18184* #
NASA-CR-185644 ..... 10 p1486 N91-18185* #
NASA-CR-185645 ..... 16 p2636 N91-24594* #
NASA-CR-185647 ..... 22 p3628 N91-30187* #
NASA-CR-185650 ..... 23 p3919 N91-31890* #
NASA-CR-185656 ..... 22 p3655 N91-30344* #
NASA-CR-185657 ..... 22 p3656 N91-30348* #
NASA-CR-185658 ..... 22 p3656 N91-30349* #
NASA-CR-185659 ..... 22 p3656 N91-30347* #
NASA-CR-185660 ..... 22 p3656 N91-30346* #
NASA-CR-185661 ..... 19 p3173 N91-27540* #
NASA-CR-185711 ..... 18 p2996 N91-26544* #
NASA-CR-185717 ..... 05 p0655 N91-13640* #
NASA-CR-185839 ..... 18 p2938 N91-26204* #
NASA-CR-185841 ..... 19 p3244 N91-27939* #
NASA-CR-185842 ..... 18 p3072 N91-26976* #
NASA-CR-185843 ..... 18 p2981 N91-26462* #
NASA-CR-185874 ..... 01 p0120 N91-10707* #
NASA-CR-185875 ..... 02 p0288 N91-11619* #
NASA-CR-185876 ..... 24 p4093 N91-32865* #
NASA-CR-185877 ..... 03 p0420 N91-12350* #
NASA-CR-185879 ..... 01 p0107 N91-10621* #
NASA-CR-185880 ..... 01 p0107 N91-10618* #
NASA-CR-185881 ..... 01 p0107 N91-10619* #
NASA-CR-185882 ..... 01 p0107 N91-10620* #
NASA-CR-185901 ..... 05 p0686 N91-13817* #
NASA-CR-185928 ..... 02 p0251 N91-11392* #
NASA-CR-185972 ..... 17 p2886 N91-25952* #
NASA-CR-185987 ..... 19 p3110 N91-27181* #
NASA-CR-185992 ..... 19 p3182 N91-27597* #
NASA-CR-186011 ..... 14 p2194 N91-22117* #
NASA-CR-186013 ..... 18 p2925 N91-26140* #
NASA-CR-186023 ..... 01 p0021 N91-10122* #
NASA-CR-186042 ..... 23 p3855 N91-31492* #
NASA-CR-186086 ..... 18 p2933 N91-26182* #
NASA-CR-186094 ..... 21 p3584 N91-29937* #
NASA-CR-186105 ..... 05 p0696 N91-13875* #
NASA-CR-186111 ..... 19 p3214 N91-27766* #
NASA-CR-186115 ..... 19 p3214 N91-27765* #
NASA-CR-186128 ..... 03 p0419 N91-12344* #
NASA-CR-186180 ..... 12 p1869 N91-20269* #
NASA-CR-186197 ..... 15 p2430 N91-23458* #
NASA-CR-186262 ..... 15 p2386 N91-23206* #
NASA-CR-186266 ..... 22 p3656 N91-30351* #
NASA-CR-186271 ..... 13 p2081 N91-21463* #
NASA-CR-186278 ..... 02 p0286 N91-11605* #
NASA-CR-186317 ..... 03 p0387 N91-12156* #
NASA-CR-186322 ..... 02 p0251 N91-11393* #
NASA-CR-186341 ..... 15 p2387 N91-23211* #
NASA-CR-186376 ..... 03 p0350 N91-11953* #
NASA-CR-186381 ..... 02 p0204 N91-11144* #
NASA-CR-186404 ..... 08 p1121 N91-16163* #
NASA-CR-186413 ..... 06 p0857 N91-14731* #
NASA-CR-186419 ..... 01 p0117 N91-10695* #
NASA-CR-186437 ..... 09 p1425 N91-17846* #
NASA-CR-186467 ..... 05 p0713 N91-13976* #
NASA-CR-186532 ..... 01 p0017 N91-10101* #
NASA-CR-186536 ..... 06 p0848 N91-14680* #
NASA-CR-186543 ..... 08 p1158 N91-16379* #
NASA-CR-186544 ..... 21 p3516 N91-29527* #
NASA-CR-186545 ..... 01 p0008 N91-10047* #
NASA-CR-186546 ..... 02 p0188 N91-11053* #
NASA-CR-186550 ..... 21 p3466 N91-29219* #
NASA-CR-186564 ..... 22 p3663 N91-30393* #
NASA-CR-186565 ..... 23 p3854 N91-31488* #
NASA-CR-186570 ..... 10 p1567 N91-18615* #
NASA-CR-186579 ..... 06 p0930 N91-15115* #
NASA-CR-186610 ..... 05 p0621 N91-13443* #
NASA-CR-186612 ..... 01 p0101 N91-10591* #
NASA-CR-186613 ..... 06 p0819 N91-14527* #
NASA-CR-186616 ..... 24 p4081 N91-32797* #
NASA-CR-186625 ..... 05 p0704 N91-13928* #
NASA-CR-186672 ..... 02 p0293 N91-11641* #
NASA-CR-186689 ..... 02 p0185 N91-11039* #
NASA-CR-186713 ..... 05 p0733 N91-14097* #
NASA-CR-186725 ..... 05 p0637 N91-13534* #
NASA-CR-186726 ..... 05 p0638 N91-13535* #
NASA-CR-186756 ..... 06 p0844 N91-14665* #
NASA-CR-186769 ..... 15 p2384 N91-23195* #
NASA-CR-186793 ..... 05 p0732 N91-14089* #
NASA-CR-186841 ..... 08 p1101 N91-16045* #
NASA-CR-186842 ..... 08 p1102 N91-16050* #
NASA-CR-186844 ..... 06 p0788 N91-14359* #
NASA-CR-186869 ..... 15 p2421 N91-23408* #
NASA-CR-186877 ..... 05 p0633 N91-13506* #
NASA-CR-186879 ..... 02 p0266 N91-11488* #
NASA-CR-186894 ..... 02 p0252 N91-11396* #
NASA-CR-186897 ..... 02 p0155 N91-10903* #
NASA-CR-186899 ..... 06 p0810 N91-14475* #
NASA-CR-186902 ..... 06 p0836 N91-14624* #
NASA-CR-186904 ..... 06 p0839 N91-14635* #
NASA-CR-186916 ..... 05 p0650 N91-13609* #
NASA-CR-186922 ..... 05 p0696 N91-13885* #
NASA-CR-186926 ..... 03 p0299 N91-11667* #
NASA-CR-186929 ..... 01 p0107 N91-10623* #
NASA-CR-186938 ..... 19 p3100 N91-27126* #
NASA-CR-186939 ..... 04 p0556 N91-13082* #
NASA-CR-186940 ..... 04 p0556 N91-13083* #
NASA-CR-186941 ..... 05 p0686 N91-13818* #
NASA-CR-186945 ..... 05 p0626 N91-13470* #
NASA-CR-186953 ..... 01 p0063 N91-10379* #
NASA-CR-186954 ..... 15 p2387 N91-23212* #
NASA-CR-186955 ..... 01 p0029 N91-10170* #
NASA-CR-186958 ..... 01 p0014 N91-10083* #
NASA-CR-186962 ..... 05 p0699 N91-13893* #
NASA-CR-186964 ..... 04 p0548 N91-13039* #
NASA-CR-186965 ..... 04 p0517 N91-12873* #
NASA-CR-186966 ..... 22 p3723 N91-30721* #
NASA-CR-186974 ..... 03 p0350 N91-11954* #
NASA-CR-186986 ..... 05 p0646 N91-13584* #
NASA-CR-186989 ..... 15 p2385 N91-23200* #
NASA-CR-186995 ..... 03 p0353 N91-11973* #
NASA-CR-186996 ..... 04 p0503 N91-12795* #
NASA-CR-187003 ..... 06 p0852 N91-14702* #
NASA-CR-187008 ..... 04 p0477 N91-12661* #
NASA-CR-187009 ..... 01 p0007 N91-10041* #
NASA-CR-187010 ..... 01 p0010 N91-10061* #
NASA-CR-187011 ..... 01 p0007 N91-10040* #
NASA-CR-187012 ..... 04 p0477 N91-12662* #
NASA-CR-187013 ..... 05 p0699 N91-13895* #
NASA-CR-187014 ..... 06 p0857 N91-14733* #
NASA-CR-187015 ..... 05 p0699 N91-13894* #
NASA-CR-187017 ..... 01 p0129 N91-10763* #
NASA-CR-187020 ..... 01 p0021 N91-10126* #
NASA-CR-187021 ..... 05 p0689 N91-13831* #
NASA-CR-187022 ..... 05 p0687 N91-13819* #
NASA-CR-187024 ..... 01 p0124 N91-10735* #
NASA-CR-187029 ..... 06 p0857 N91-14732* #
NASA-CR-187032 ..... 02 p0186 N91-11042* #
NASA-CR-187034 ..... 04 p0550 N91-13051* #
NASA-CR-187035 ..... 19 p3172 N91-27539* #
NASA-CR-187036 ..... 07 p1019 N91-15598* #
NASA-CR-187037 ..... 11 p1655 N91-19117* #
NASA-CR-187039 ..... 08 p1097 N91-16021* #
NASA-CR-187040 ..... 07 p0962 N91-15297* #
NASA-CR-187041 ..... 10 p1474 N91-18121* #
NASA-CR-187042 ..... 11 p1663 N91-19167* #
NASA-CR-187047 ..... 11 p1696 N91-19350* #
NASA-CR-187049 ..... 05 p0623 N91-13458* #
NASA-CR-187050 ..... 11 p1693 N91-19325* #
NASA-CR-187052 ..... 09 p1394 N91-17671* #
NASA-CR-187053 ..... 11 p1702 N91-19376* #
NASA-CR-187055 ..... 11 p1722 N91-19479* #
NASA-CR-187056 ..... 11 p1707 N91-19403* #
NASA-CR-187060 ..... 12 p1864 N91-20241* #

NASA-CR-187063 ..... 12 p1890 N91-20394* #
NASA-CR-187065 ..... 11 p1701 N91-19367* #
NASA-CR-187066 ..... 09 p1323 N91-17266* #
NASA-CR-187067 ..... 14 p2234 N91-22358* #
NASA-CR-187068 ..... 09 p1337 N91-17341* #
NASA-CR-187070 ..... 11 p1703 N91-19378* #
NASA-CR-187071 ..... 22 p3676 N91-30468* #
NASA-CR-187072 ..... 11 p1718 N91-19461* #
NASA-CR-187073 ..... 10 p1533 N91-18443* #
NASA-CR-187076 ..... 11 p1642 N91-19056* #
NASA-CR-187077 ..... 12 p1932 N91-20630* #
NASA-CR-187079 ..... 13 p2075 N91-21430* #
NASA-CR-187080 ..... 15 p2533 N91-24030* #
NASA-CR-187081 ..... 19 p3114 N91-27205* #
NASA-CR-187082 ..... 13 p2043 N91-21234* #
NASA-CR-187083 ..... 14 p2260 N91-22502* #
NASA-CR-187084 ..... 15 p2381 N91-23181* #
NASA-CR-187085 ..... 15 p2410 N91-23346* #
NASA-CR-187087 ..... 12 p1871 N91-20284* #
NASA-CR-187088 ..... 16 p2566 N91-24224* #
NASA-CR-187089 ..... 13 p2025 N91-21138* #
NASA-CR-187092 ..... 16 p2566 N91-24227* #
NASA-CR-187093 ..... 12 p1890 N91-20390* #
NASA-CR-187094 ..... 14 p2270 N91-22562* #
NASA-CR-187095 ..... 09 p1301 N91-17138* #
NASA-CR-187097 ..... 13 p2155 N91-21880* #
NASA-CR-187098 ..... 16 p2549 N91-24123* #
NASA-CR-187100 ..... 17 p2746 N91-25194* #
NASA-CR-187103 ..... 17 p2741 N91-25171* #
NASA-CR-187104 ..... 13 p2055 N91-21307* #
NASA-CR-187106 ..... 17 p2729 N91-25113* #
NASA-CR-187109 ..... 16 p2567 N91-24230* #
NASA-CR-187110 ..... 16 p2568 N91-24231* #
NASA-CR-187112 ..... 18 p2938 N91-26205* #
NASA-CR-187113 ..... 16 p2566 N91-24226* #
NASA-CR-187114 ..... 14 p2236 N91-22372* #
NASA-CR-187115 ..... 17 p2740 N91-25165* #
NASA-CR-187116 ..... 18 p2981 N91-26461* #
NASA-CR-187117 ..... 23 p3803 N91-31213* #
NASA-CR-187119 ..... 19 p3185 N91-27613* #
NASA-CR-187120 ..... 17 p2865 N91-25843* #
NASA-CR-187121 ..... 20 p3366 N91-28648* #
NASA-CR-187124 ..... 17 p2743 N91-25178* #
NASA-CR-187129 ..... 24 p3961 N91-32138* #
NASA-CR-187130 ..... 17 p2790 N91-25438* #
NASA-CR-187131 ..... 17 p2746 N91-25193* #
NASA-CR-187132 ..... 19 p3121 N91-27243* #
NASA-CR-187136 ..... 21 p3461 N91-29193* #
NASA-CR-187137 ..... 19 p3106 N91-27163* #
NASA-CR-187138 ..... 15 p2386 N91-23205* #
NASA-CR-187139 ..... 16 p2624 N91-24528* #
NASA-CR-187140 ..... 22 p3667 N91-30418* #
NASA-CR-187142 ..... 16 p2581 N91-24306* #
NASA-CR-187143 ..... 19 p3121 N91-27242* #
NASA-CR-187144 ..... 24 p3981 N91-32237* #
NASA-CR-187145 ..... 16 p2651 N91-24673* #
NASA-CR-187146 ..... 22 p3770 N91-31022* #
NASA-CR-187150 ..... 19 p3163 N91-27488* #
NASA-CR-187151 ..... 19 p3165 N91-27502* #
NASA-CR-187154 ..... 19 p3116 N91-27216* #
NASA-CR-187155 ..... 19 p3156 N91-27446* #
NASA-CR-187156 ..... 19 p3115 N91-27211* #
NASA-CR-187162 ..... 20 p3365 N91-28644* #
NASA-CR-187163 ..... 19 p3116 N91-27217* #
NASA-CR-187165 ..... 22 p3630 N91-30201* #
NASA-CR-187166 ..... 19 p3116 N91-27215* #
NASA-CR-187167 ..... 22 p3699 N91-30595* #
NASA-CR-187168 ..... 21 p3567 N91-29832* #
NASA-CR-187171 ..... 22 p3727 N91-30743* #
NASA-CR-187172 ..... 23 p3856 N91-31499* #
NASA-CR-187173 ..... 21 p3452 N91-29147* #
NASA-CR-187177 ..... 21 p3516 N91-29524* #
NASA-CR-187178 ..... 21 p3533 N91-29629* #
NASA-CR-187180 ..... 22 p3693 N91-30562* #
NASA-CR-187187 ..... 22 p3677 N91-30474* #
NASA-CR-187188 ..... 21 p3581 N91-29917* #
NASA-CR-187194 ..... 24 p4021 N91-32474* #
NASA-CR-187195 ..... 24 p3950 N91-32077* #
NASA-CR-187196 ..... 24 p4031 N91-32524* #
NASA-CR-187208 ..... 24 p3962 N91-32141* #
NASA-CR-187212 ..... 24 p4031 N91-32523* #
NASA-CR-187213 ..... 23 p3804 N91-31219* #
NASA-CR-187219 ..... 23 p3803 N91-31209* #
NASA-CR-187220 ..... 24 p3970 N91-32180* #
NASA-CR-187230 ..... 24 p3968 N91-32166* #
NASA-CR-187237 ..... 04 p0607 N91-13378* #
NASA-CR-187238 ..... 01 p0124 N91-10734* #
NASA-CR-187239 ..... 05 p0711 N91-13967* #
NASA-CR-187240 ..... 04 p0578 N91-13219* #
NASA-CR-187241 ..... 09 p1293 N91-17106* #
NASA-CR-187242 ..... 04 p0489 N91-12715* #
NASA-CR-187243 ..... 04 p0489 N91-12716* #
NASA-CR-187244 ..... 04 p0489 N91-12717* #
NASA-CR-187245 ..... 04 p0489 N91-12718* #
NASA-CR-187246 ..... 04 p0489 N91-12719* #
NASA-CR-187248 ..... 04 p0489 N91-12720* #
NASA-CR-187249 ..... 03 p0426 N91-12385* #
NASA-CR-187250 ..... 04 p0601 N91-13349* #
NASA-CR-187251 ..... 04 p0601 N91-13348* #
NASA-CR-187252 ..... 01 p0134 N91-10795* #
NASA-CR-187253 ..... 07 p1022 N91-15608* #
NASA-CR-187254 ..... 02 p0208 N91-11165* #
NASA-CR-187255 ..... 04 p0557 N91-13085* #
NASA-CR-187256 ..... 04 p0604 N91-13362* #
NASA-CR-187257 ..... 04 p0605 N91-13363* #
NASA-CR-187258 ..... 04 p0605 N91-13364* #
NASA-CR-187259 ..... 01 p0134 N91-10794* #
NASA-CR-187260 ..... 04 p0557 N91-13084* #
NASA-CR-187261 ..... 01 p0134 N91-10793* #
NASA-CR-187262 ..... 04 p0567 N91-13147* #
NASA-CR-187263 ..... 04 p0608 N91-13382* #
NASA-CR-187264 ..... 03 p0319 N91-11783* #
NASA-CR-187266 ..... 04 p0557 N91-13087* #
NASA-CR-187268 ..... 04 p0557 N91-13086* #
NASA-CR-187293 ..... 04 p0608 N91-13383* #
NASA-CR-187309 ..... 04 p0557 N91-13090* #
NASA-CR-187312 ..... 20 p3341 N91-28502* #
NASA-CR-187318 ..... 05 p0708 N91-13950* #
NASA-CR-187319 ..... 05 p0708 N91-13949* #
NASA-CR-187320 ..... 05 p0661 N91-13674* #
NASA-CR-187321 ..... 06 p0810 N91-14474* #
NASA-CR-187322 ..... 02 p0161 N91-10934* #
NASA-CR-187324 ..... 02 p0293 N91-11642* #
NASA-CR-187325 ..... 01 p0040 N91-10238* #
NASA-CR-187326 ..... 06 p0848 N91-14684* #
NASA-CR-187327 ..... 02 p0235 N91-11311* #
NASA-CR-187328 ..... 02 p0286 N91-11606* #
NASA-CR-187330 ..... 07 p1028 N91-15642* #
NASA-CR-187331 ..... 02 p0248 N91-11380* #
NASA-CR-187332 ..... 01 p0103 N91-10595* #
NASA-CR-187333 ..... 01 p0109 N91-10633* #
NASA-CR-187334 ..... 05 p0622 N91-13452* #
NASA-CR-187335 ..... 06 p0843 N91-14655* #
NASA-CR-187336 ..... 01 p0017 N91-10105* #
NASA-CR-187337 ..... 01 p0141 N91-10829* #
NASA-CR-187338 ..... 01 p0034 N91-10204* #
NASA-CR-187339 ..... 01 p0038 N91-10222* #
NASA-CR-187343 ..... 01 p0004 N91-10019* #
NASA-CR-187344 ..... 04 p0517 N91-12875* #
NASA-CR-187345 ..... 07 p1070 N91-15886* #
NASA-CR-187346 ..... 05 p0722 N91-14029* #
NASA-CR-187347 ..... 02 p0217 N91-11216* #
NASA-CR-187348 ..... 05 p0732 N91-14090* #
NASA-CR-187350 ..... 02 p0276 N91-11555* #
NASA-CR-187351 ..... 05 p0766 N91-14254* #
NASA-CR-187352 ..... 01 p0057 N91-10335* #
NASA-CR-187353 ..... 01 p0057 N91-10334* #
NASA-CR-187357 ..... 05 p0766 N91-14252* #
NASA-CR-187358 ..... 05 p0766 N91-14255* #
NASA-CR-187360 ..... 02 p0253 N91-11407* #
NASA-CR-187361 ..... 05 p0614 N91-13405* #
NASA-CR-187363 ..... 05 p0766 N91-14256* #
NASA-CR-187364 ..... 02 p0293 N91-11645* #
NASA-CR-187365 ..... 03 p0383 N91-12136* #
NASA-CR-187366 ..... 22 p3727 N91-30745*
NASA-CR-187367 ..... 02 p0293 N91-11644* #
NASA-CR-187368 ..... 03 p0417 N91-12335* #
NASA-CR-187369 ..... 02 p0241 N91-11342* #
NASA-CR-187370 ..... 03 p0386 N91-12151* #
NASA-CR-187373 ..... 06 p0772 N91-14277* #
NASA-CR-187374 ..... 05 p0661 N91-13676* #
NASA-CR-187375 ..... 02 p0250 N91-11387* #
NASA-CR-187376 ..... 05 p0680 N91-13782* #
NASA-CR-187377 ..... 05 p0631 N91-13494* #
NASA-CR-187379 ..... 06 p0846 N91-14672* #
NASA-CR-187380 ..... 03 p0370 N91-12071* #
NASA-CR-187382 ..... 07 p1023 N91-15614* #
NASA-CR-187383 ..... 04 p0558 N91-13091* #
NASA-CR-187384 ..... 03 p0418 N91-12336* #
NASA-CR-187385 ..... 03 p0396 N91-12199* #
NASA-CR-187389 ..... 04 p0558 N91-13092* #
NASA-CR-187390 ..... 04 p0557 N91-13089* #
NASA-CR-187391 ..... 04 p0558 N91-13093* #
NASA-CR-187392 ..... 04 p0558 N91-13094* #
NASA-CR-187394 ..... 05 p0661 N91-13677* #
NASA-CR-187396 ..... 08 p1114 N91-16120* #
NASA-CR-187397 ..... 03 p0399 N91-12220* #
NASA-CR-187398 ..... 04 p0558 N91-13095* #
NASA-CR-187399 ..... 04 p0558 N91-13096* #
NASA-CR-187400 ..... 04 p0559 N91-13097* #
NASA-CR-187401 ..... 04 p0559 N91-13098* #
NASA-CR-187402 ..... 04 p0559 N91-13099* #
NASA-CR-187403 ..... 04 p0559 N91-13100* #
NASA-CR-187404 ..... 04 p0559 N91-13101* #
NASA-CR-187405 ..... 04 p0559 N91-13102* #
NASA-CR-187406 ..... 04 p0560 N91-13103* #
NASA-CR-187408 ..... 04 p0560 N91-13104* #
NASA-CR-187409 ..... 04 p0560 N91-13105* #
NASA-CR-187410 ..... 07 p0935 N91-15126* #
NASA-CR-187411 ..... 05 p0690 N91-13841* #
NASA-CR-187413 ..... 06 p0839 N91-14636* #
NASA-CR-187414 ..... 05 p0618 N91-13428* #

NASA-CR-187419 ..... 07 p1001 N91-15495* #
NASA-CR-187421 ..... 06 p0862 N91-14766* #
NASA-CR-187422 ..... 05 p0656 N91-13645* #
NASA-CR-187423 ..... 05 p0633 N91-13510* #
NASA-CR-187424 ..... 09 p1338 N91-17349* #
NASA-CR-187425 ..... 06 p0858 N91-14734* #
NASA-CR-187426 ..... 05 p0656 N91-13644* #
NASA-CR-187429 ..... 05 p0696 N91-13876* #
NASA-CR-187430 ..... 05 p0662 N91-13679* #
NASA-CR-187431 ..... 05 p0725 N91-14049* #
NASA-CR-187432 ..... 05 p0627 N91-13476* #
NASA-CR-187433 ..... 06 p0792 N91-14379* #
NASA-CR-187434 ..... 04 p0529 N91-12933* #
NASA-CR-187435 ..... 06 p0817 N91-14513* #
NASA-CR-187436 ..... 24 p4081 N91-32798* #
NASA-CR-187438 ..... 01 p0108 N91-10628* #
NASA-CR-187439 ..... 01 p0040 N91-10237* #
NASA-CR-187440 ..... 01 p0108 N91-10629* #
NASA-CR-187441 ..... 05 p0711 N91-13966* #
NASA-CR-187442 ..... 01 p0103 N91-10599* #
NASA-CR-187443 ..... 01 p0114 N91-10664* #
NASA-CR-187444 ..... 05 p0701 N91-13907* #
NASA-CR-187445 ..... 03 p0325 N91-11809* #
NASA-CR-187446 ..... 10 p1534 N91-18445* #
NASA-CR-187447 ..... 11 p1722 N91-19478* #
NASA-CR-187448 ..... 07 p1021 N91-15607* #
NASA-CR-187449 ..... 09 p1352 N91-17428* #
NASA-CR-187450 ..... 12 p1890 N91-20395* #
NASA-CR-187451 ..... 05 p0705 N91-13934* #
NASA-CR-187452 ..... 05 p0706 N91-13935* #
NASA-CR-187453 ..... 03 p0399 N91-12217* #
NASA-CR-187454 ..... 03 p0399 N91-12216* #
NASA-CR-187455 ..... 01 p0004 N91-10021* #
NASA-CR-187456 ..... 01 p0004 N91-10022* #
NASA-CR-187457 ..... 03 p0363 N91-12033* #
NASA-CR-187458 ..... 01 p0043 N91-10251* #
NASA-CR-187459 ..... 01 p0042 N91-10250* #
NASA-CR-187460 ..... 05 p0657 N91-13650* #
NASA-CR-187461 ..... 05 p0656 N91-13642* #
NASA-CR-187462 ..... 05 p0709 N91-13952* #
NASA-CR-187464 ..... 07 p1048 N91-15751* #
NASA-CR-187465 ..... 05 p0615 N91-13410* #
NASA-CR-187466 ..... 09 p1384 N91-17613* #
NASA-CR-187467 ..... 05 p0657 N91-13649* #
NASA-CR-187469 ..... 05 p0614 N91-13404* #
NASA-CR-187470 ..... 07 p1019 N91-15599* #
NASA-CR-187471 ..... 07 p0963 N91-15299* #
NASA-CR-187472 ..... 11 p1676 N91-19238* #
NASA-CR-187474 ..... 06 p0856 N91-14726* #
NASA-CR-187475 ..... 06 p0777 N91-14307* #
NASA-CR-187476 ..... 05 p0660 N91-13669* #
NASA-CR-187477 ..... 06 p0777 N91-14308* #
NASA-CR-187478 ..... 16 p2591 N91-24358* #
NASA-CR-187479 ..... 08 p1099 N91-16033* #
NASA-CR-187480 ..... 08 p1211 N91-16664* #
NASA-CR-187481 ..... 08 p1092 N91-15994* #
NASA-CR-187482 ..... 08 p1091 N91-15991* #
NASA-CR-187483 ..... 08 p1145 N91-16305* #
NASA-CR-187484-VOL-1 ..... 16 p2548 N91-24120* #
NASA-CR-187484-VOL-2 ..... 16 p2548 N91-24121* #
NASA-CR-187484-VOL-3 ..... 16 p2548 N91-24122* #
NASA-CR-187485 ..... 08 p1146 N91-16306* #
NASA-CR-187486 ..... 08 p1092 N91-15996* #
NASA-CR-187487 ..... 08 p1092 N91-15995* #
NASA-CR-187488 ..... 11 p1701 N91-19366* #
NASA-CR-187489 ..... 11 p1775 N91-19737* #
NASA-CR-187490 ..... 17 p2741 N91-25168* #
NASA-CR-187491 ..... 11 p1779 N91-19756* #
NASA-CR-187492 ..... 09 p1386 N91-17626* #
NASA-CR-187494 ..... 09 p1386 N91-17625* #
NASA-CR-187495 ..... 10 p1473 N91-18116* #
NASA-CR-187496 ..... 09 p1286 N91-17069* #
NASA-CR-187497 ..... 09 p1392 N91-17658* #
NASA-CR-187498 ..... 11 p1772 N91-19715* #
NASA-CR-187499 ..... 11 p1772 N91-19716* #
NASA-CR-187500 ..... 10 p1462 N91-18062* #
NASA-CR-187501 ..... 10 p1567 N91-18613* #
NASA-CR-187502 ..... 09 p1392 N91-17659* #
NASA-CR-187503 ..... 14 p2323 N91-22830* #
NASA-CR-187505 ..... 18 p3043 N91-26800* #
NASA-CR-187506 ..... 12 p1952 N91-20739* #
NASA-CR-187508 ..... 10 p1524 N91-18390* #
NASA-CR-187509 ..... 19 p3110 N91-27179* #
NASA-CR-187510 ..... 13 p2104 N91-21581* #
NASA-CR-187512 ..... 10 p1462 N91-18063* #
NASA-CR-187513 ..... 11 p1640 N91-19043* #
NASA-CR-187514 ..... 13 p2130 N91-21724* #
NASA-CR-187515 ..... 10 p1566 N91-18610* #
NASA-CR-187516 ..... 10 p1586 N91-18740* #
NASA-CR-187517 ..... 13 p2143 N91-21796* #
NASA-CR-187518 ..... 10 p1525 N91-18397* #
NASA-CR-187519 ..... 13 p2079 N91-21453* #
NASA-CR-187520 ..... 11 p1697 N91-19345* #
NASA-CR-187521 ..... 11 p1645 N91-19074* #
NASA-CR-187522 ..... 18 p3043 N91-26797* #
NASA-CR-187524 ..... 14 p2187 N91-22078* #
NASA-CR-187526 ..... 24 p3960 N91-32132* #
NASA-CR-187527 ..... 15 p2506 N91-23887* #
NASA-CR-187528 ..... 17 p2842 N91-25704* #
NASA-CR-187529 ..... 13 p2080 N91-21457* #
NASA-CR-187530 ..... 13 p2079 N91-21455* #
NASA-CR-187531 ..... 13 p2079 N91-21454* #
NASA-CR-187532 ..... 13 p2079 N91-21451* #
NASA-CR-187533 ..... 12 p1846 N91-20146* #
NASA-CR-187534 ..... 12 p1831 N91-20063* #
NASA-CR-187535 ..... 13 p2080 N91-21456* #
NASA-CR-187536 ..... 12 p1899 N91-20446* #
NASA-CR-187537 ..... 12 p1831 N91-20061* #
NASA-CR-187538 ..... 13 p2017 N91-21099* #
NASA-CR-187539 ..... 13 p2025 N91-21139* #
NASA-CR-187540 ..... 19 p3218 N91-27786* #
NASA-CR-187541 ..... 13 p2143 N91-21801* #
NASA-CR-187542 ..... 16 p2677 N91-24819* #
NASA-CR-187543 ..... 13 p2143 N91-21800* #
NASA-CR-187545 ..... 22 p3619 N91-30136* #
NASA-CR-187546 ..... 16 p2681 N91-24845* #
NASA-CR-187547 ..... 20 p3389 N91-28777* #
NASA-CR-187548 ..... 24 p3979 N91-32231* #
NASA-CR-187550 ..... 15 p2425 N91-23434* #
NASA-CR-187551 ..... 14 p2266 N91-22537* #
NASA-CR-187552 ..... 15 p2425 N91-23433* #
NASA-CR-187553 ..... 19 p3240 N91-27916* #
NASA-CR-187557 ..... 23 p3924 N91-31926* #
NASA-CR-187558 ..... 23 p3924 N91-31927* #
NASA-CR-187559 ..... 23 p3924 N91-31923* #
NASA-CR-187560 ..... 19 p3238 N91-27909* #
NASA-CR-187561 ..... 19 p3233 N91-27877* #
NASA-CR-187562 ..... 16 p2549 N91-24126* #
NASA-CR-187563 ..... 16 p2549 N91-24127* #
NASA-CR-187564 ..... 16 p2549 N91-24125* #
NASA-CR-187565 ..... 17 p2728 N91-25105* #
NASA-CR-187566 ..... 16 p2627 N91-24546* #
NASA-CR-187567 ..... 16 p2679 N91-24833* #
NASA-CR-187568 ..... 17 p2832 N91-25644* #
NASA-CR-187569 ..... 16 p2666 N91-24746* #
NASA-CR-187571 ..... 18 p3038 N91-26767* #
NASA-CR-187572 ..... 19 p3136 N91-27329* #
NASA-CR-187573 ..... 20 p3362 N91-28626* #
NASA-CR-187574 ..... 21 p3559 N91-29777* #
NASA-CR-187575 ..... 24 p3974 N91-32200* #
NASA-CR-187576 ..... 23 p3885 N91-31679* #
NASA-CR-187578 ..... 19 p3171 N91-27530* #
NASA-CR-187579 ..... 19 p3099 N91-27121* #
NASA-CR-187582 ..... 19 p3232 N91-27869* #
NASA-CR-187583 ..... 22 p3722 N91-30712* #
NASA-CR-187584 ..... 19 p3235 N91-27888* #
NASA-CR-187585 ..... 19 p3235 N91-27887* #
NASA-CR-187586 ..... 19 p3163 N91-27490* #
NASA-CR-187589 ..... 19 p3203 N91-27702* #
NASA-CR-187590 ..... 22 p3728 N91-30748* #
NASA-CR-187591 ..... 19 p3165 N91-27501* #
NASA-CR-187592 ..... 20 p3393 N91-28806* #
NASA-CR-187595 ..... 23 p3919 N91-31888* #
NASA-CR-187597 ..... 24 p4030 N91-32519* #
NASA-CR-187599 ..... 24 p4032 N91-32527* #
NASA-CR-187600 ..... 22 p3611 N91-30089* #
NASA-CR-187601 ..... 22 p3728 N91-30750* #
NASA-CR-187602 ..... 22 p3613 N91-30096* #
NASA-CR-187603 ..... 22 p3612 N91-30093* #
NASA-CR-187604 ..... 22 p3676 N91-30465* #
NASA-CR-187605 ..... 22 p3728 N91-30749* #
NASA-CR-187606 ..... 22 p3624 N91-30162* #
NASA-CR-187607 ..... 22 p3677 N91-30475* #
NASA-CR-187608 ..... 22 p3744 N91-30866* #
NASA-CR-187609 ..... 22 p3612 N91-30094* #
NASA-CR-187610 ..... 22 p3613 N91-30097* #
NASA-CR-187611 ..... 22 p3676 N91-30466* #
NASA-CR-187612 ..... 22 p3611 N91-30088* #
NASA-CR-187613 ..... 22 p3676 N91-30467* #
NASA-CR-187614 ..... 22 p3623 N91-30156* #
NASA-CR-187617 ..... 24 p4014 N91-32441* #
NASA-CR-187618 ..... 23 p3919 N91-31889* #
NASA-CR-187619 ..... 23 p3868 N91-31576* #
NASA-CR-187629 ..... 24 p4018 N91-32463* #
NASA-CR-187638 ..... 11 p1824 N91-20022* #
NASA-CR-187640 ..... 04 p0608 N91-13381* #
NASA-CR-187644 ..... 04 p0560 N91-13108* #
NASA-CR-187645 ..... 04 p0542 N91-13009* #
NASA-CR-187646 ..... 05 p0701 N91-13904* #
NASA-CR-187647 ..... 05 p0657 N91-13648* #
NASA-CR-187648 ..... 06 p0884 N91-14885* #
NASA-CR-187649 ..... 06 p0838 N91-14630* #
NASA-CR-187650 ..... 05 p0726 N91-14055* #
NASA-CR-187651 ..... 06 p0833 N91-14603* #
NASA-CR-187652 ..... 07 p1047 N91-15749* #
NASA-CR-187653 ..... 05 p0641 N91-13554* #
NASA-CR-187654 ..... 04 p0587 N91-13279* #
NASA-CR-187656 ..... 05 p0701 N91-13906* #
NASA-CR-187657 ..... 06 p0802 N91-14424* #
NASA-CR-187658 ..... 05 p0621 N91-13446* #
NASA-CR-187660 ..... 09 p1298 N91-17123* #
NASA-CR-187661 ..... 09 p1376 N91-17557* #

NASA-CR-187662 ..... 09 p1376 N91-17558* #
NASA-CR-187663 ..... 07 p1038 N91-15695* #
NASA-CR-187666 ..... 05 p0634 N91-13515* #
NASA-CR-187667 ..... 05 p0676 N91-13760* #
NASA-CR-187668 ..... 05 p0676 N91-13759* #
NASA-CR-187669 ..... 05 p0628 N91-13480* #
NASA-CR-187670 ..... 09 p1300 N91-17134* #
NASA-CR-187673 ..... 05 p0690 N91-13837* #
NASA-CR-187674 ..... 05 p0658 N91-13656* #
NASA-CR-187675 ..... 07 p1001 N91-15496* #
NASA-CR-187676 ..... 05 p0641 N91-13557* #
NASA-CR-187677 ..... 06 p0825 N91-14557* #
NASA-CR-187678 ..... 05 p0670 N91-13722* #
NASA-CR-187679 ..... 05 p0669 N91-13721* #
NASA-CR-187680 ..... 09 p1333 N91-17320* #
NASA-CR-187681 ..... 07 p1048 N91-15750* #
NASA-CR-187682 ..... 04 p0587 N91-13278* #
NASA-CR-187683 ..... 07 p1085 N91-15968* #
NASA-CR-187684 ..... 06 p0869 N91-14803* #
NASA-CR-187685 ..... 09 p1296 N91-17116* #
NASA-CR-187686 ..... 09 p1344 N91-17382* #
NASA-CR-187687 ..... 06 p0915 N91-15044* #
NASA-CR-187689 ..... 05 p0670 N91-13725* #
NASA-CR-187690 ..... 07 p0990 N91-15433* #
NASA-CR-187691 ..... 06 p0846 N91-14673* #
NASA-CR-187692 ..... 06 p0915 N91-15045* #
NASA-CR-187694 ..... 06 p0872 N91-14825* #
NASA-CR-187695 ..... 06 p0869 N91-14802* #
NASA-CR-187696 ..... 06 p0840 N91-14639* #
NASA-CR-187698 ..... 08 p1176 N91-16473* #
NASA-CR-187699 ..... 08 p1176 N91-16472* #
NASA-CR-187701 ..... 07 p1001 N91-15497* #
NASA-CR-187702 ..... 06 p0825 N91-14558* #
NASA-CR-187703 ..... 06 p0843 N91-14657* #
NASA-CR-187704 ..... 05 p0681 N91-13788* #
NASA-CR-187705 ..... 05 p0622 N91-13449* #
NASA-CR-187706 ..... 05 p0712 N91-13971* #
NASA-CR-187708 ..... 19 p3265 N91-28059* #
NASA-CR-187709 ..... 06 p0812 N91-14483* #
NASA-CR-187710 ..... 09 p1344 N91-17386* #
NASA-CR-187711 ..... 22 p3713 N91-30668* #
NASA-CR-187713 ..... 05 p0617 N91-13422* #
NASA-CR-187714 ..... 06 p0930 N91-15114* #
NASA-CR-187715 ..... 06 p0830 N91-14586* #
NASA-CR-187719 ..... 24 p4092 N91-32864* #
NASA-CR-187721 ..... 07 p0994 N91-15453* #
NASA-CR-187722 ..... 05 p0678 N91-13768* #
NASA-CR-187723 ..... 07 p1082 N91-15955* #
NASA-CR-187724 ..... 07 p1007 N91-15529* #
NASA-CR-187725 ..... 07 p1082 N91-15954* #
NASA-CR-187727 ..... 09 p1297 N91-17117* #
NASA-CR-187730 ..... 07 p1011 N91-15554* #
NASA-CR-187731 ..... 09 p1272 N91-16992* #
NASA-CR-187732 ..... 06 p0789 N91-14365* #
NASA-CR-187733 ..... 06 p0789 N91-14366* #
NASA-CR-187734 ..... 06 p0790 N91-14367* #
NASA-CR-187735 ..... 06 p0790 N91-14368* #
NASA-CR-187736 ..... 13 p2116 N91-21649* #
NASA-CR-187737 ..... 07 p0936 N91-15129* #
NASA-CR-187748 ..... 07 p1022 N91-15612* #
NASA-CR-187750 ..... 06 p0841 N91-14647* #
NASA-CR-187751 ..... 08 p1159 N91-16385* #
NASA-CR-187752 ..... 09 p1421 N91-17821* #
NASA-CR-187755 ..... 14 p2194 N91-22121* #
NASA-CR-187756 ..... 08 p1142 N91-16289* #
NASA-CR-187759 ..... 07 p1003 N91-15506* #
NASA-CR-187760 ..... 08 p1090 N91-15981* #
NASA-CR-187764 ..... 22 p3760 N91-30962* #
NASA-CR-187767 ..... 08 p1091 N91-15987* #
NASA-CR-187768 ..... 08 p1236 N91-16813* #
NASA-CR-187769 ..... 08 p1090 N91-15986* #
NASA-CR-187774 ..... 18 p2972 N91-26407*
NASA-CR-187776 ..... 08 p1126 N91-16191* #
NASA-CR-187777 ..... 08 p1200 N91-16596* #
NASA-CR-187778 ..... 11 p1816 N91-19973* #
NASA-CR-187779 ..... 07 p1053 N91-15784* #
NASA-CR-187780 ..... 07 p1053 N91-15783* #
NASA-CR-187781 ..... 07 p1029 N91-15647* #
NASA-CR-187783 ..... 07 p0977 N91-15364* #
NASA-CR-187784 ..... 09 p1322 N91-17259* #
NASA-CR-187785 ..... 09 p1366 N91-17509* #
NASA-CR-187786 ..... 18 p2992 N91-26521* #
NASA-CR-187787 ..... 07 p1051 N91-15770* #
NASA-CR-187788 ..... 07 p1029 N91-15649* #
NASA-CR-187791 ..... 07 p0978 N91-15367* #
NASA-CR-187793 ..... 09 p1349 N91-17409* #
NASA-CR-187794 ..... 08 p1127 N91-16194* #
NASA-CR-187795 ..... 07 p1007 N91-15530* #
NASA-CR-187799 ..... 07 p1036 N91-15682* #
NASA-CR-187800 ..... 07 p1020 N91-15603* #
NASA-CR-187801 ..... 08 p1095 N91-16008* #
NASA-CR-187805 ..... 08 p1189 N91-16534* #
NASA-CR-187806 ..... 13 p2059 N91-21331* #
NASA-CR-187807 ..... 08 p1188 N91-16533* #
NASA-CR-187808 ..... 08 p1188 N91-16532* #
NASA-CR-187809 ..... 07 p1014 N91-15566* #
NASA-CR-187810 ..... 07 p1056 N91-15799* #
NASA-CR-187811 ..... 07 p1074 N91-15913* #
NASA-CR-187812 ..... 08 p1189 N91-16535* #
NASA-CR-187813 ..... 07 p1026 N91-15630* #
NASA-CR-187814 ..... 07 p1081 N91-15951* #
NASA-CR-187817 ..... 23 p3927 N91-31947* #
NASA-CR-187819 ..... 22 p3751 N91-30907* #
NASA-CR-187823 ..... 22 p3757 N91-30943* #
NASA-CR-187824 ..... 22 p3655 N91-30343* #
NASA-CR-187825 ..... 07 p1083 N91-15957* #
NASA-CR-187826 ..... 10 p1615 N91-18911* #
NASA-CR-187828 ..... 08 p1207 N91-16639* #
NASA-CR-187829 ..... 08 p1129 N91-16211* #
NASA-CR-187831 ..... 08 p1099 N91-16032* #
NASA-CR-187833 ..... 08 p1164 N91-16411* #
NASA-CR-187836 ..... 08 p1144 N91-16296* #
NASA-CR-187837 ..... 08 p1095 N91-16010* #
NASA-CR-187838 ..... 09 p1425 N91-17845* #
NASA-CR-187840 ..... 12 p1928 N91-20608* #
NASA-CR-187841 ..... 07 p1011 N91-15551* #
NASA-CR-187842 ..... 07 p1001 N91-15498* #
NASA-CR-187843 ..... 07 p1081 N91-15947* #
NASA-CR-187844 ..... 16 p2667 N91-24759* #
NASA-CR-187848 ..... 08 p1095 N91-16011* #
NASA-CR-187854 ..... 10 p1591 N91-18772* #
NASA-CR-187855 ..... 08 p1221 N91-16727* #
NASA-CR-187858 ..... 08 p1105 N91-16065* #
NASA-CR-187860 ..... 08 p1103 N91-16059* #
NASA-CR-187864 ..... 08 p1116 N91-16132* #
NASA-CR-187865 ..... 08 p1130 N91-16212* #
NASA-CR-187868 ..... 08 p1095 N91-16013* #
NASA-CR-187870 ..... 09 p1272 N91-16993* #
NASA-CR-187871 ..... 08 p1236 N91-16816* #
NASA-CR-187875 ..... 09 p1355 N91-17444* #
NASA-CR-187876 ..... 10 p1486 N91-18188* #
NASA-CR-187877 ..... 09 p1371 N91-17538* #
NASA-CR-187879 ..... 09 p1384 N91-17611* #
NASA-CR-187886 ..... 09 p1324 N91-17268* #
NASA-CR-187887 ..... 08 p1107 N91-16078* #
NASA-CR-187888 ..... 09 p1355 N91-17445* #
NASA-CR-187889 ..... 16 p2667 N91-24758* #
NASA-CR-187891 ..... 13 p2139 N91-21776* #
NASA-CR-187892 ..... 16 p2682 N91-24847* #
NASA-CR-187894 ..... 09 p1352 N91-17429* #
NASA-CR-187895 ..... 09 p1313 N91-17209* #
NASA-CR-187896 ..... 09 p1304 N91-17157* #
NASA-CR-187898 ..... 09 p1449 N91-17993* #
NASA-CR-187899 ..... 09 p1347 N91-17403* #
NASA-CR-187904 ..... 10 p1517 N91-18352* #
NASA-CR-187906 ..... 10 p1567 N91-18616* #
NASA-CR-187907 ..... 10 p1617 N91-18916* #
NASA-CR-187909 ..... 17 p2889 N91-25972* #
NASA-CR-187911 ..... 12 p1900 N91-20450* #
NASA-CR-187912 ..... 10 p1624 N91-18959* #
NASA-CR-187913 ..... 16 p2666 N91-24753* #
NASA-CR-187914 ..... 11 p1780 N91-19765* #
NASA-CR-187915 ..... 09 p1386 N91-17624* #
NASA-CR-187916 ..... 09 p1354 N91-17438* #
NASA-CR-187917 ..... 14 p2303 N91-22720* #
NASA-CR-187919 ..... 18 p3038 N91-26766* #
NASA-CR-187920 ..... 09 p1386 N91-17623* #
NASA-CR-187921 ..... 15 p2481 N91-23731* #
NASA-CR-187924 ..... 08 p1159 N91-16386* #
NASA-CR-187925 ..... 08 p1267 N91-16977* #
NASA-CR-187928 ..... 11 p1775 N91-19732* #
NASA-CR-187930 ..... 10 p1569 N91-18631* #
NASA-CR-187931 ..... 14 p2322 N91-22824* #
NASA-CR-187933 ..... 09 p1387 N91-17627* #
NASA-CR-187934 ..... 10 p1570 N91-18632* #
NASA-CR-187935 ..... 13 p2165 N91-21940* #
NASA-CR-187936 ..... 13 p2167 N91-21955* #
NASA-CR-187940 ..... 10 p1510 N91-18308* #
NASA-CR-187941 ..... 14 p2303 N91-22721* #
NASA-CR-187942 ..... 12 p1868 N91-20264* #
NASA-CR-187943 ..... 10 p1499 N91-18250* #
NASA-CR-187944 ..... 09 p1448 N91-17991* #
NASA-CR-187945 ..... 12 p1843 N91-20129* #
NASA-CR-187946 ..... 16 p2705 N91-24969* #
NASA-CR-187948 ..... 12 p1880 N91-20335* #
NASA-CR-187949 ..... 10 p1510 N91-18307* #
NASA-CR-187950 ..... 11 p1696 N91-19343* #
NASA-CR-187951 ..... 10 p1506 N91-18289* #
NASA-CR-187953 ..... 18 p3044 N91-26806* #
NASA-CR-187954 ..... 10 p1513 N91-18329* #
NASA-CR-187955 ..... 09 p1285 N91-17065* #
NASA-CR-187956 ..... 10 p1570 N91-18633* #
NASA-CR-187957 ..... 14 p2272 N91-22569* #
NASA-CR-187958 ..... 11 p1773 N91-19718* #
NASA-CR-187959 ..... 10 p1555 N91-18551* #
NASA-CR-187960 ..... 14 p2255 N91-22471* #
NASA-CR-187961 ..... 10 p1514 N91-18332* #
NASA-CR-187964 ..... 10 p1462 N91-18064* #
NASA-CR-187965 ..... 10 p1507 N91-18293* #
NASA-CR-187967 ..... 10 p1557 N91-18560* #
NASA-CR-187968 ..... 10 p1496 N91-18237* #
NASA-CR-187969 ..... 09 p1310 N91-17191* #

NASA-CR-187970 ..... 09 p1428 N91-17860* #
NASA-CR-187971 ..... 11 p1820 N91-19995* #
NASA-CR-187973 ..... 11 p1775 N91-19734* #
NASA-CR-187974 ..... 11 p1775 N91-19733* #
NASA-CR-187975 ..... 14 p2303 N91-22722* #
NASA-CR-187976 ..... 10 p1575 N91-18665* #
NASA-CR-187977 ..... 10 p1574 N91-18664* #
NASA-CR-187978 ..... 10 p1574 N91-18663* #
NASA-CR-187982 ..... 14 p2303 N91-22723* #
NASA-CR-187983 ..... 11 p1775 N91-19735* #
NASA-CR-187984 ..... 11 p1707 N91-19398* #
NASA-CR-187986 ..... 11 p1665 N91-19173* #
NASA-CR-187987 ..... 10 p1593 N91-18791* #
NASA-CR-187988 ..... 13 p2131 N91-21728* #
NASA-CR-187989 ..... 11 p1798 N91-19871* #
NASA-CR-187990 ..... 10 p1515 N91-18341* #
NASA-CR-187991 ..... 10 p1529 N91-18423* #
NASA-CR-187992 ..... 11 p1775 N91-19736* #
NASA-CR-187993 ..... 14 p2303 N91-22724* #
NASA-CR-187994 ..... 14 p2304 N91-22728* #
NASA-CR-187996 ..... 10 p1556 N91-18558* #
NASA-CR-187997 ..... 11 p1765 N91-19710* #
NASA-CR-187998 ..... 11 p1776 N91-19741* #
NASA-CR-187999 ..... 10 p1555 N91-18552* #
NASA-CR-188000 ..... 10 p1606 N91-18865* #
NASA-CR-188001 ..... 10 p1617 N91-18918* #
NASA-CR-188002 ..... 12 p1926 N91-20596* #
NASA-CR-188003 ..... 12 p1832 N91-20065* #
NASA-CR-188006 ..... 14 p2270 N91-22561* #
NASA-CR-188007 ..... 14 p2280 N91-22608* #
NASA-CR-188008 ..... 12 p1894 N91-20416* #
NASA-CR-188009 ..... 14 p2284 N91-22628* #
NASA-CR-188011 ..... 14 p2196 N91-22127* #
NASA-CR-188012 ..... 14 p2255 N91-22472* #
NASA-CR-188013 ..... 14 p2283 N91-22627* #
NASA-CR-188014 ..... 13 p2075 N91-21426* #
NASA-CR-188015 ..... 12 p1853 N91-20183* #
NASA-CR-188016 ..... 14 p2304 N91-22731* #
NASA-CR-188017 ..... 12 p1843 N91-20130* #
NASA-CR-188018 ..... 13 p2131 N91-21729* #
NASA-CR-188019 ..... 11 p1816 N91-19975* #
NASA-CR-188021 ..... 21 p3598 N91-30016* #
NASA-CR-188022 ..... 11 p1725 N91-19497* #
NASA-CR-188024 ..... 12 p1921 N91-20571* #
NASA-CR-188025 ..... 13 p2114 N91-21640* #
NASA-CR-188026 ..... 13 p2094 N91-21527* #
NASA-CR-188027 ..... 13 p2094 N91-21528* #
NASA-CR-188028 ..... 13 p2094 N91-21529* #
NASA-CR-188029 ..... 14 p2274 N91-22577* #
NASA-CR-188030 ..... 13 p2100 N91-21560* #
NASA-CR-188031 ..... 11 p1817 N91-19980* #
NASA-CR-188032 ..... 13 p2119 N91-21664* #
NASA-CR-188035 ..... 18 p2977 N91-26434* #
NASA-CR-188038 ..... 14 p2282 N91-22619* #
NASA-CR-188039 ..... 20 p3341 N91-28503* #
NASA-CR-188041 ..... 11 p1777 N91-19750* #
NASA-CR-188043 ..... 12 p1922 N91-20572* #
NASA-CR-188044 ..... 16 p2546 N91-24105* #
NASA-CR-188045 ..... 13 p2094 N91-21530* #
NASA-CR-188046 ..... 11 p1763 N91-19701* #
NASA-CR-188047 ..... 14 p2247 N91-22432* #
NASA-CR-188048 ..... 13 p2079 N91-21452* #
NASA-CR-188049 ..... 13 p2131 N91-21733* #
NASA-CR-188051 ..... 11 p1703 N91-19379* #
NASA-CR-188053 ..... 13 p2120 N91-21665* #
NASA-CR-188056 ..... 14 p2347 N91-22984* #
NASA-CR-188057 ..... 11 p1688 N91-19305* #
NASA-CR-188058 ..... 13 p2069 N91-21394* #
NASA-CR-188059 ..... 14 p2343 N91-22954* #
NASA-CR-188061 ..... 12 p1858 N91-20205* #
NASA-CR-188062 ..... 13 p2116 N91-21648* #
NASA-CR-188063 ..... 12 p1828 N91-20047* #
NASA-CR-188064 ..... 12 p2008 N91-21052* #
NASA-CR-188067 ..... 12 p1829 N91-20052* #
NASA-CR-188068 ..... 12 p1884 N91-20360* #
NASA-CR-188069 ..... 12 p1901 N91-20457* #
NASA-CR-188070 ..... 12 p1964 N91-20804* #
NASA-CR-188071 ..... 12 p1884 N91-20359* #
NASA-CR-188072 ..... 12 p1879 N91-20329* #
NASA-CR-188073 ..... 12 p1879 N91-20330* #
NASA-CR-188074 ..... 12 p1880 N91-20331* #
NASA-CR-188075 ..... 13 p2129 N91-21719* #
NASA-CR-188076 ..... 12 p2001 N91-21011* #
NASA-CR-188077 ..... 11 p1774 N91-19722* #
NASA-CR-188078 ..... 12 p1960 N91-20783* #
NASA-CR-188079 ..... 13 p2018 N91-21101* #
NASA-CR-188080 ..... 14 p2262 N91-22512* #
NASA-CR-188081 ..... 22 p3612 N91-30095* #
NASA-CR-188083 ..... 13 p2018 N91-21100* #
NASA-CR-188084 ..... 13 p2164 N91-21939* #
NASA-CR-188085 ..... 12 p1962 N91-20796* #
NASA-CR-188086 ..... 12 p1961 N91-20795* #
NASA-CR-188087 ..... 13 p2168 N91-21966* #
NASA-CR-188088 ..... 14 p2233 N91-22352* #
NASA-CR-188089 ..... 13 p2070 N91-21403* #
NASA-CR-188090 ..... 13 p2133 N91-21741* #
NASA-CR-188091 ..... 13 p2142 N91-21791* #
NASA-CR-188092 ..... 13 p2141 N91-21790* #
NASA-CR-188093 ..... 13 p2141 N91-21789* #
NASA-CR-188094 ..... 13 p2043 N91-21236* #
NASA-CR-188095 ..... 14 p2353 N91-23011* #
NASA-CR-188096 ..... 13 p2182 N91-22057* #
NASA-CR-188097 ..... 14 p2186 N91-22071* #
NASA-CR-188098 ..... 14 p2298 N91-22703* #
NASA-CR-188099 ..... 13 p2182 N91-22056* #
NASA-CR-188100 ..... 12 p2008 N91-21051* #
NASA-CR-188101 ..... 13 p2088 N91-21489* #
NASA-CR-188102 ..... 13 p2039 N91-21213* #
NASA-CR-188103 ..... 12 p1960 N91-20786* #
NASA-CR-188104 ..... 12 p1960 N91-20787* #
NASA-CR-188105 ..... 12 p1961 N91-20794* #
NASA-CR-188106 ..... 12 p1961 N91-20793* #
NASA-CR-188107 ..... 12 p1961 N91-20792* #
NASA-CR-188108 ..... 12 p1961 N91-20791* #
NASA-CR-188109 ..... 12 p1961 N91-20790* #
NASA-CR-188110 ..... 12 p1961 N91-20789* #
NASA-CR-188111 ..... 12 p1961 N91-20788* #
NASA-CR-188112 ..... 12 p1895 N91-20419* #
NASA-CR-188113 ..... 12 p1960 N91-20784* #
NASA-CR-188114 ..... 12 p1960 N91-20785* #
NASA-CR-188115 ..... 12 p1856 N91-20202* #
NASA-CR-188116 ..... 14 p2256 N91-22475* #
NASA-CR-188117 ..... 14 p2189 N91-22093* #
NASA-CR-188118 ..... 14 p2236 N91-22373* #
NASA-CR-188119 ..... 15 p2467 N91-23670* #
NASA-CR-188120 ..... 14 p2308 N91-22752* #
NASA-CR-188122 ..... 24 p4085 N91-32822* #
NASA-CR-188146 ..... 13 p2181 N91-22053* #
NASA-CR-188147 ..... 14 p2253 N91-22465* #
NASA-CR-188148 ..... 13 p2088 N91-21492* #
NASA-CR-188149 ..... 14 p2338 N91-22926* #
NASA-CR-188150 ..... 14 p2262 N91-22513* #
NASA-CR-188151 ..... 14 p2284 N91-22631* #
NASA-CR-188152 ..... 14 p2187 N91-22079* #
NASA-CR-188153 ..... 13 p2021 N91-21117* #
NASA-CR-188154 ..... 13 p2103 N91-21576* #
NASA-CR-188155 ..... 14 p2245 N91-22419* #
NASA-CR-188157 ..... 14 p2344 N91-22959* #
NASA-CR-188159 ..... 20 p3391 N91-28787* #
NASA-CR-188162 ..... 13 p2121 N91-21673* #
NASA-CR-188165 ..... 14 p2344 N91-22960* #
NASA-CR-188167 ..... 14 p2276 N91-22588* #
NASA-CR-188168 ..... 14 p2353 N91-23013* #
NASA-CR-188169 ..... 14 p2347 N91-22981* #
NASA-CR-188170 ..... 14 p2347 N91-22982* #
NASA-CR-188171 ..... 15 p2529 N91-24016* #
NASA-CR-188172 ..... 14 p2244 N91-22411* #
NASA-CR-188173 ..... 15 p2529 N91-24015* #
NASA-CR-188174 ..... 17 p2877 N91-25914* #
NASA-CR-188175 ..... 15 p2488 N91-23776* #
NASA-CR-188176 ..... 16 p2634 N91-24582* #
NASA-CR-188177 ..... 13 p2132 N91-21739* #
NASA-CR-188178 ..... 14 p2354 N91-23018* #
NASA-CR-188179 ..... 16 p2564 N91-24217* #
NASA-CR-188181 ..... 15 p2521 N91-23970* #
NASA-CR-188184 ..... 15 p2392 N91-23242* #
NASA-CR-188185 ..... 14 p2291 N91-22669* #
NASA-CR-188186 ..... 14 p2189 N91-22092* #
NASA-CR-188187 ..... 19 p3105 N91-27158* #
NASA-CR-188188 ..... 14 p2278 N91-22600* #
NASA-CR-188189 ..... 14 p2251 N91-22454* #
NASA-CR-188190 ..... 14 p2325 N91-22846* #
NASA-CR-188191 ..... 14 p2318 N91-22804* #
NASA-CR-188192 ..... 16 p2545 N91-24099* #
NASA-CR-188193 ..... 16 p2693 N91-24909* #
NASA-CR-188194 ..... 16 p2617 N91-24489* #
NASA-CR-188195 ..... 16 p2545 N91-24102* #
NASA-CR-188196 ..... 16 p2545 N91-24100* #
NASA-CR-188197 ..... 15 p2482 N91-23739* #
NASA-CR-188198 ..... 16 p2545 N91-24101* #
NASA-CR-188199 ..... 15 p2364 N91-23084* #
NASA-CR-188200 ..... 16 p2654 N91-24685* #
NASA-CR-188201 ..... 14 p2190 N91-22095* #
NASA-CR-188202 ..... 15 p2507 N91-23891* #
NASA-CR-188203 ..... 16 p2654 N91-24686* #
NASA-CR-188204 ..... 16 p2629 N91-24557* #
NASA-CR-188205 ..... 15 p2482 N91-23738* #
NASA-CR-188206 ..... 16 p2589 N91-24346* #
NASA-CR-188207 ..... 15 p2490 N91-23786* #
NASA-CR-188208 ..... 15 p2493 N91-23806 #
NASA-CR-188209 ..... 15 p2495 N91-23821* #
NASA-CR-188210 ..... 16 p2667 N91-24754* #
NASA-CR-188211 ..... 16 p2705 N91-24970* #
NASA-CR-188212 ..... 16 p2693 N91-24912* #
NASA-CR-188213 ..... 16 p2619 N91-24499* #
NASA-CR-188214 ..... 16 p2617 N91-24485* #
NASA-CR-188215 ..... 15 p2390 N91-23232* #
NASA-CR-188216 ..... 14 p2258 N91-22487* #
NASA-CR-188217 ..... 15 p2490 N91-23787* #
NASA-CR-188218 ..... 16 p2682 N91-24846* #
NASA-CR-188219 ..... 17 p2900 N91-26019* #
NASA-CR-188220 ..... 17 p2751 N91-25223* #

NASA-CR-188221 ..... 17 p2748 N91-25203* #
NASA-CR-188222 ..... 16 p2593 N91-24365* #
NASA-CR-188223 ..... 17 p2755 N91-25250* #
NASA-CR-188225 ..... 19 p3183 N91-27601* #
NASA-CR-188226 ..... 24 p4118 N91-33016* #
NASA-CR-188227 ..... 07 p0947 N91-15190* #
NASA-CR-188231 ..... 16 p2546 N91-24110* #
NASA-CR-188232 ..... 16 p2635 N91-24583* #
NASA-CR-188233 ..... 16 p2688 N91-24882* #
NASA-CR-188234 ..... 15 p2426 N91-23440* #
NASA-CR-188235 ..... 16 p2546 N91-24109* #
NASA-CR-188237 ..... 16 p2659 N91-24710* #
NASA-CR-188238 ..... 16 p2651 N91-24671* #
NASA-CR-188239 ..... 17 p2838 N91-25686* #
NASA-CR-188240 ..... 17 p2829 N91-25626* #
NASA-CR-188241 ..... 17 p2838 N91-25685* #
NASA-CR-188442 ..... 20 p3348 N91-28539* #
NASA-CR-188443 ..... 16 p2631 N91-24565* #
NASA-CR-188444 ..... 16 p2685 N91-24869* #
NASA-CR-188445 ..... 16 p2685 N91-24868* #
NASA-CR-188446 ..... 16 p2685 N91-24867* #
NASA-CR-188447 ..... 16 p2684 N91-24866* #
NASA-CR-188448 ..... 16 p2684 N91-24865* #
NASA-CR-188449 ..... 16 p2697 N91-24934* #
NASA-CR-188450 ..... 16 p2697 N91-24933* #
NASA-CR-188451 ..... 16 p2626 N91-24543* #
NASA-CR-188452 ..... 17 p2821 N91-25589* #
NASA-CR-188453 ..... 16 p2627 N91-24545* #
NASA-CR-188454 ..... 16 p2626 N91-24544* #
NASA-CR-188467 ..... 16 p2672 N91-24789* #
NASA-CR-188476 ..... 05 p0685 N91-13808* #
NASA-CR-188491 ..... 18 p3013 N91-26637* #
NASA-CR-188495 ..... 16 p2672 N91-24788* #
NASA-CR-188498 ..... 18 p3044 N91-26804* #
NASA-CR-188499 ..... 17 p2728 N91-25107* #
NASA-CR-188500 ..... 17 p2810 N91-25533* #
NASA-CR-188538 ..... 17 p2768 N91-25319* #
NASA-CR-188539 ..... 17 p2916 N91-26099* #
NASA-CR-188540 ..... 17 p2860 N91-25819* #
NASA-CR-188541 ..... 17 p2756 N91-25254* #
NASA-CR-188542 ..... 17 p2813 N91-25549* #
NASA-CR-188581 ..... 18 p3068 N91-26948* #
NASA-CR-188585 ..... 17 p2831 N91-25640* #
NASA-CR-188586 ..... 16 p2672 N91-24791* #
NASA-CR-188587 ..... 17 p2831 N91-25639* #
NASA-CR-188588 ..... 17 p2831 N91-25638* #
NASA-CR-188589 ..... 17 p2831 N91-25637* #
NASA-CR-188590 ..... 17 p2828 N91-25622* #
NASA-CR-188591 ..... 16 p2672 N91-24790* #
NASA-CR-188592 ..... 17 p2830 N91-25636* #
NASA-CR-188593 ..... 17 p2830 N91-25635* #
NASA-CR-188594 ..... 17 p2830 N91-25634* #
NASA-CR-188595 ..... 17 p2830 N91-25633* #
NASA-CR-188596 ..... 17 p2828 N91-25621* #
NASA-CR-188597 ..... 17 p2830 N91-25632* #
NASA-CR-188598 ..... 17 p2830 N91-25631* #
NASA-CR-188599 ..... 17 p2776 N91-25364* #
NASA-CR-188600 ..... 17 p2738 N91-25156* #
NASA-CR-188601 ..... 17 p2814 N91-25553* #
NASA-CR-188602 ..... 17 p2859 N91-25807* #
NASA-CR-188603 ..... 19 p3191 N91-27645* #
NASA-CR-188604 ..... 17 p2769 N91-25322* #
NASA-CR-188605 ..... 17 p2831 N91-25641* #
NASA-CR-188606 ..... 17 p2916 N91-26101* #
NASA-CR-188607 ..... 17 p2814 N91-25554* #
NASA-CR-188608 ..... 17 p2776 N91-25365* #
NASA-CR-188609 ..... 17 p2891 N91-25982* #
NASA-CR-188610 ..... 17 p2891 N91-25981* #
NASA-CR-188611 ..... 17 p2769 N91-25321* #
NASA-CR-188612 ..... 17 p2777 N91-25367* #
NASA-CR-188613 ..... 17 p2804 N91-25502* #
NASA-CR-188614 ..... 17 p2758 N91-25269* #
NASA-CR-188615 ..... 18 p2921 N91-26114* #
NASA-CR-188616 ..... 17 p2832 N91-25646* #
NASA-CR-188617 ..... 16 p2673 N91-24795* #
NASA-CR-188620 ..... 17 p2771 N91-25334* #
NASA-CR-188621 ..... 17 p2791 N91-25443* #
NASA-CR-188622 ..... 18 p3005 N91-26596* #
NASA-CR-188623 ..... 18 p3009 N91-26613* #
NASA-CR-188625 ..... 19 p3188 N91-27632* #
NASA-CR-188626 ..... 19 p3129 N91-27285* #
NASA-CR-188635 ..... 22 p3775 N91-31052* #
NASA-CR-188637 ..... 22 p3610 N91-30081* #
NASA-CR-188638 ..... 19 p3117 N91-27223* #
NASA-CR-188639 ..... 19 p3191 N91-27646* #
NASA-CR-188640 ..... 19 p3106 N91-27160* #
NASA-CR-188641 ..... 19 p3207 N91-27724* #
NASA-CR-188642 ..... 19 p3173 N91-27545* #
NASA-CR-188644 ..... 19 p3100 N91-27130* #
NASA-CR-188646 ..... 19 p3111 N91-27191* #
NASA-CR-188647 ..... 19 p3201 N91-27695* #
NASA-CR-188648 ..... 19 p3233 N91-27876* #
NASA-CR-188649 ..... 19 p3264 N91-28051* #
NASA-CR-188650 ..... 19 p3266 N91-28063* #
NASA-CR-188651 ..... 19 p3248 N91-27961* #
NASA-CR-188654 ..... 19 p3250 N91-27981* #
NASA-CR-188655 ..... 19 p3216 N91-27775* #
NASA-CR-188656 ..... 19 p3101 N91-27131* #
NASA-CR-188658 ..... 19 p3183 N91-27604* #
NASA-CR-188659 ..... 19 p3137 N91-27331* #
NASA-CR-188660 ..... 19 p3174 N91-27547* #
NASA-CR-188662 ..... 19 p3145 N91-27380* #
NASA-CR-188664 ..... 19 p3107 N91-27168* #
NASA-CR-188665 ..... 19 p3169 N91-27520* #
NASA-CR-188666 ..... 19 p3262 N91-28041* #
NASA-CR-188667 ..... 19 p3202 N91-27701* #
NASA-CR-188668 ..... 19 p3246 N91-27956* #
NASA-CR-188669 ..... 19 p3161 N91-27476* #
NASA-CR-188672 ..... 19 p3115 N91-27210* #
NASA-CR-188675 ..... 20 p3384 N91-28747* #
NASA-CR-188676 ..... 19 p3175 N91-27554* #
NASA-CR-188677 ..... 19 p3259 N91-28025* #
NASA-CR-188678 ..... 19 p3122 N91-27246* #
NASA-CR-188679 ..... 19 p3204 N91-27711* #
NASA-CR-188680 ..... 19 p3233 N91-27874* #
NASA-CR-188681 ..... 19 p3231 N91-27863* #
NASA-CR-188682 ..... 19 p3262 N91-28043* #
NASA-CR-188683 ..... 19 p3177 N91-27565* #
NASA-CR-188684 ..... 19 p3166 N91-27506* #
NASA-CR-188685 ..... 19 p3155 N91-27440* #
NASA-CR-188686 ..... 19 p3184 N91-27610* #
NASA-CR-188688 ..... 20 p3324 N91-28403* #
NASA-CR-188689 ..... 22 p3649 N91-30309* #
NASA-CR-188690 ..... 22 p3766 N91-30994* #
NASA-CR-188691 ..... 22 p3617 N91-30125* #
NASA-CR-188692 ..... 20 p3443 N91-29107* #
NASA-CR-188693 ..... 20 p3305 N91-28292* #
NASA-CR-188696 ..... 20 p3444 N91-29113* #
NASA-CR-188697 ..... 20 p3402 N91-28858* #
NASA-CR-188698 ..... 20 p3444 N91-29112* #
NASA-CR-188699 ..... 22 p3777 N91-31067* #
NASA-CR-188700 ..... 22 p3773 N91-31043* #
NASA-CR-188701 ..... 20 p3444 N91-29111* #
NASA-CR-188702 ..... 22 p3752 N91-30916* #
NASA-CR-188703 ..... 20 p3444 N91-29110* #
NASA-CR-188704 ..... 20 p3443 N91-29109* #
NASA-CR-188705 ..... 20 p3443 N91-29108* #
NASA-CR-188706 ..... 22 p3776 N91-31060* #
NASA-CR-188707 ..... 22 p3646 N91-30294* #
NASA-CR-188708 ..... 22 p3653 N91-30333* #
NASA-CR-188710 ..... 22 p3759 N91-30954* #
NASA-CR-188711 ..... 22 p3771 N91-31026* #
NASA-CR-188712 ..... 22 p3775 N91-31053* #
NASA-CR-188713 ..... 22 p3726 N91-30738* #
NASA-CR-188715 ..... 22 p3618 N91-30126* #
NASA-CR-188716 ..... 22 p3702 N91-30607* #
NASA-CR-188717 ..... 23 p3930 N91-31961* #
NASA-CR-188719 ..... 22 p3771 N91-31029* #
NASA-CR-188720 ..... 22 p3642 N91-30271* #
NASA-CR-188721 ..... 22 p3622 N91-30150* #
NASA-CR-188722 ..... 22 p3687 N91-30524* #
NASA-CR-188723 ..... 22 p3699 N91-30594* #
NASA-CR-188724 ..... 21 p3464 N91-29212* #
NASA-CR-188725 ..... 21 p3485 N91-29331* #
NASA-CR-188726 ..... 22 p3681 N91-30500* #
NASA-CR-188727 ..... 21 p3464 N91-29211* #
NASA-CR-188728 ..... 20 p3288 N91-28182* #
NASA-CR-188729 ..... 21 p3534 N91-29636* #
NASA-CR-188730 ..... 22 p3675 N91-30459* #
NASA-CR-188731 ..... 22 p3775 N91-31055* #
NASA-CR-188732 ..... 22 p3655 N91-30345* #
NASA-CR-188733 ..... 20 p3365 N91-28643* #
NASA-CR-188734 ..... 19 p3165 N91-27503* #
NASA-CR-188735 ..... 22 p3744 N91-30860* #
NASA-CR-188741 ..... 21 p3494 N91-29390* #
NASA-CR-188755 ..... 22 p3696 N91-30577* #
NASA-CR-188757 ..... 22 p3755 N91-30931* #
NASA-CR-188758 ..... 22 p3662 N91-30390* #
NASA-CR-188759 ..... 22 p3727 N91-30747* #
NASA-CR-188760 ..... 22 p3656 N91-30350* #
NASA-CR-188762 ..... 22 p3639 N91-30254* #
NASA-CR-188763 ..... 22 p3640 N91-30255* #
NASA-CR-188764 ..... 22 p3640 N91-30256* #
NASA-CR-188765 ..... 22 p3640 N91-30257* #
NASA-CR-188766 ..... 22 p3640 N91-30258* #
NASA-CR-188767 ..... 22 p3640 N91-30259* #
NASA-CR-188769 ..... 22 p3648 N91-30305* #
NASA-CR-188770 ..... 21 p3456 N91-29169* #
NASA-CR-188771 ..... 22 p3774 N91-31051* #
NASA-CR-188772 ..... 22 p3612 N91-30092* #
NASA-CR-188773 ..... 22 p3622 N91-30152* #
NASA-CR-188774 ..... 23 p3893 N91-31723* #
NASA-CR-188775 ..... 22 p3707 N91-30634* #
NASA-CR-188776 ..... 22 p3689 N91-30536* #
NASA-CR-188777 ..... 22 p3663 N91-30392* #
NASA-CR-188778 ..... 20 p3321 N91-28384* #
NASA-CR-188779 ..... 22 p3775 N91-31056* #
NASA-CR-188780 ..... 22 p3775 N91-31057* #
NASA-CR-188781 ..... 22 p3703 N91-30610* #
NASA-CR-188782 ..... 22 p3699 N91-30597* #
NASA-CR-188785 ..... 24 p4118 N91-33017* #
NASA-CR-188786 ..... 22 p3704 N91-30613* #

NASA-CR-188788 ..... 23 p3782 N91-31083* #
NASA-CR-188789 ..... 24 p4123 N91-33042* #
NASA-CR-188791 ..... 23 p3885 N91-31678* #
NASA-CR-188793 ..... 21 p3557 N91-29769* #
NASA-CR-188796 ..... 23 p3909 N91-31820* #
NASA-CR-188798 ..... 24 p3972 N91-32187* #
NASA-CR-188801 ..... 22 p3666 N91-30410* #
NASA-CR-188802 ..... 23 p3801 N91-31200* #
NASA-CR-188804 ..... 22 p3708 N91-30637* #
NASA-CR-188805 ..... 23 p3897 N91-31750* #
NASA-CR-188811 ..... 23 p3924 N91-31928* #
NASA-CR-188813 ..... 24 p3983 N91-32250* #
NASA-CR-188815 ..... 24 p4085 N91-32823* #
NASA-CR-188820 ..... 24 p3950 N91-32078* #
NASA-CR-188821 ..... 24 p4086 N91-32830* #
NASA-CR-188823 ..... 24 p4086 N91-32829* #
NASA-CR-188824 ..... 24 p4086 N91-32828* #
NASA-CR-188827 ..... 24 p4086 N91-32827* #
NASA-CR-188828 ..... 24 p4086 N91-32826* #
NASA-CR-188829 ..... 24 p4082 N91-32804* #
NASA-CR-188830 ..... 24 p4082 N91-32803* #
NASA-CR-188831 ..... 24 p4085 N91-32825* #
NASA-CR-188832 ..... 24 p4085 N91-32824* #
NASA-CR-188851 ..... 24 p4089 N91-32845* #
NASA-CR-188857 ..... 24 p4084 N91-32814* #
NASA-CR-188859 ..... 24 p4084 N91-32815* #
NASA-CR-188861 ..... 24 p4089 N91-32846* #
NASA-CR-188862 ..... 24 p4084 N91-32816* #
NASA-CR-188864 ..... 24 p4081 N91-32799* #
NASA-CR-188865 ..... 24 p4091 N91-32859* #
NASA-CR-188866 ..... 24 p4081 N91-32800* #
NASA-CR-188874 ..... 24 p4089 N91-32844* #
NASA-CR-188875 ..... 24 p4089 N91-32847* #
NASA-CR-188876 ..... 24 p4082 N91-32801* #
NASA-CR-188877 ..... 24 p3988 N91-32280* #
NASA-CR-188879 ..... 24 p4084 N91-32817* #
NASA-CR-188882 ..... 24 p4084 N91-32818* #
NASA-CR-188885 ..... 24 p4116 N91-33005* #
NASA-CR-188886 ..... 24 p4085 N91-32819* #
NASA-CR-188888 ..... 24 p4089 N91-32848* #
NASA-CR-188889 ..... 24 p4085 N91-32820* #
NASA-CR-188890 ..... 24 p4082 N91-32802* #
NASA-CR-188891 ..... 24 p4085 N91-32821* #
NASA-CR-188902 ..... 24 p4021 N91-32472* #
NASA-CR-188912 ..... 23 p3938 N91-32009*
NASA-CR-188913 ..... 23 p3929 N91-31957*
NASA-CR-188916 ..... 24 p4014 N91-32442* #
NASA-CR-188918 ..... 24 p4123 N91-33043* #
NASA-CR-188919 ..... 24 p3950 N91-32080* #
NASA-CR-188920 ..... 24 p3950 N91-32079* #
NASA-CR-188924 ..... 24 p4123 N91-33045* #
NASA-CR-188925 ..... 24 p4018 N91-32462* #
NASA-CR-188930 ..... 24 p4087 N91-32837* #
NASA-CR-188935 ..... 24 p4087 N91-32836* #
NASA-CR-188937 ..... 24 p4035 N91-32545* #
NASA-CR-188941 ..... 24 p4087 N91-32838* #
NASA-CR-188942 ..... 24 p4088 N91-32839* #
NASA-CR-188952 ..... 04 p0610 N91-13391* #
NASA-CR-188955 ..... 04 p0490 N91-12721* #
NASA-CR-188956 ..... 24 p4029 N91-32512* #
NASA-CR-188959 ..... 24 p3989 N91-32288* #
NASA-CR-188960 ..... 12 p2001 N91-21012* #
NASA-CR-188961 ..... 10 p1538 N91-18466* #

NASA-GP-23-1 ..... 14 p2298 N91-22704* #

NASA-NP-120 ..... 15 p2472 N91-23694* #
NASA-NP-123 ..... 10 p1612 N91-18895* #
NASA-NP-124 ..... 09 p1296 N91-17115* #
NASA-NP-126 ..... 09 p1424 N91-17839* #
NASA-NP-144 ..... 19 p3183 N91-27603* #

NASA-PAM-250 ..... 09 p1451 N91-18003* #

NASA-PED-106-ED-2 ..... 08 p1201 N91-16601* #
NASA-PED-117 ..... 10 p1564 N91-18603* #

NASA-RP-1014 ..... 06 p0804 N91-14437* #
NASA-RP-1124-REV-2 ..... 06 p0804 N91-14437* #
NASA-RP-1236 ..... 01 p0022 N91-10127* #
NASA-RP-1239 ..... 05 p0675 N91-13751* #
NASA-RP-1243 ..... 06 p0848 N91-14683* #
NASA-RP-1244 ..... 10 p1546 N91-18505* #
NASA-RP-1246 ..... 04 p0549 N91-13043* #
NASA-RP-1248 ..... 07 p1063 N91-15848* #
NASA-RP-1249 ..... 12 p1894 N91-20418* #
NASA-RP-1250 ..... 08 p1174 N91-16466* #
NASA-RP-1251 ..... 08 p1175 N91-16467* #
NASA-RP-1252 ..... 11 p1647 N91-19082* #
NASA-RP-1255 ..... 22 p3688 N91-30531* #
NASA-RP-1261 ..... 16 p2660 N91-24719* #
NASA-RP-1262 ..... 17 p2765 N91-25303* #
NASA-RP-1263 ..... 16 p2660 N91-24720* #
NASA-RP-1264 ..... 18 p3015 N91-26651* #
NASA-RP-1268 ..... 23 p3938 N91-32006* #

NASA-SP-500 ..... 06 p0856 N91-14725* #
NASA-SP-4215 ..... 19 p3266 N91-28060* #
NASA-SP-4306 ..... 07 p1087 N91-15975* #
NASA-SP-6101(03) ..... 04 p0601 N91-13347* #
NASA-SP-6101(04) ..... 19 p3259 N91-28026* #
NASA-SP-7011(341) 01 p0102 N91-10594*
NASA-SP-7011(342) 04 p0552 N91-13063*
NASA-SP-7011(343) 06 p0853 N91-14711*
NASA-SP-7011(344) 06 p0854 N91-14712*
NASA-SP-7011(345) 08 p1191 N91-16547*
NASA-SP-7011(346) 15 p2473 N91-23700*
NASA-SP-7011(347) 15 p2474 N91-23701*
NASA-SP-7011(348) 15 p2474 N91-23702*
NASA-SP-7011(349) 16 p2663 N91-24731*
NASA-SP-7011(350) 17 p2823 N91-25600*
NASA-SP-7011(351) 19 p3212 N91-27756*
NASA-SP-7011(352) 20 p3381 N91-28729*
NASA-SP-7011(353) 23 p3899 N91-31760*
NASA-SP-7037(256) 01 p0001 N91-10002*
NASA-SP-7037(257) 04 p0463 N91-12589*
NASA-SP-7037(258) 05 p0613 N91-13399*
NASA-SP-7037(259) 08 p1089 N91-15979*
NASA-SP-7037(260) 08 p1089 N91-15978*
NASA-SP-7037(261) 15 p2363 N91-23073*
NASA-SP-7037(262) 15 p2363 N91-23074*
NASA-SP-7037(263) 16 p2544 N91-24096*
NASA-SP-7037(264) 16 p2544 N91-24097*
NASA-SP-7037(265) 16 p2544 N91-24095*
NASA-SP-7037(266) 19 p3099 N91-27122*
NASA-SP-7037(268) 22 p3609 N91-30077*
NASA-SP-7039(38)-SECT-1 ..... 09 p1423 N91-17833*
NASA-SP-7039(38)-SECT-2 ..... 09 p1423 N91-17834*
NASA-SP-7039(39)-SECT-1 ..... 19 p3262 N91-28042*
NASA-SP-7039(39)-SECT-2 ..... 20 p3440 N91-29088*
NASA-SP-7063(04) ..... 04 p0606 N91-13374* #
NASA-SP-7063(05) ..... 16 p2698 N91-24939* #
NASA-SP-7064-SUPPL-4 ..... 01 p0136 N91-10804* #
NASA-SP-7064-SUPPL-5 ..... 11 p1814 N91-19962* #
NASA-SP-7085(01) 10 p1488 N91-18199*
NASA-SP-7085(02) 20 p3290 N91-28191*
NASA-SP-7091 ..... 16 p2704 N91-24965*
NASA-SP-7092 ..... 22 p3698 N91-30588* #
NASA-SP-7500(25) 16 p2697 N91-24936*

NASA-STD-8070.5A ..... 14 p2320 N91-22815* #

NASA-TM-4013 ..... 12 p1845 N91-20143* #
NASA-TM-4186 ..... 01 p0008 N91-10045* #
NASA-TM-4193 ..... 12 p1830 N91-20055* #
NASA-TM-4194 ..... 05 p0613 N91-13400* #
NASA-TM-4196 ..... 06 p0839 N91-14634* #
NASA-TM-4202 ..... 01 p0017 N91-10103* #
NASA-TM-4212 ..... 05 p0765 N91-14251* #
NASA-TM-4213 ..... 02 p0251 N91-11391* #
NASA-TM-4216 ..... 13 p2078 N91-21446* #
NASA-TM-4217 ..... 06 p0771 N91-14274* #
NASA-TM-4218 ..... 10 p1516 N91-18347* #
NASA-TM-4221 ..... 06 p0912 N91-15034* #
NASA-TM-4223 ..... 05 p0619 N91-13432* #
NASA-TM-4224 ..... 05 p0625 N91-13462* #
NASA-TM-4225 ..... 12 p1869 N91-20268* #
NASA-TM-4226 ..... 11 p1721 N91-19473* #
NASA-TM-4228 ..... 05 p0619 N91-13433* #
NASA-TM-4229 ..... 05 p0768 N91-14265* #
NASA-TM-4230 ..... 06 p0771 N91-14275* #
NASA-TM-4231 ..... 05 p0627 N91-13473* #
NASA-TM-4234 ..... 11 p1650 N91-19099* #
NASA-TM-4235 ..... 09 p1449 N91-17997* #
NASA-TM-4236 ..... 09 p1450 N91-17998* #
NASA-TM-4237 ..... 07 p0935 N91-15125* #
NASA-TM-4238 ..... 10 p1473 N91-18115* #
NASA-TM-4239 ..... 11 p1641 N91-19052* #
NASA-TM-4240 ..... 11 p1647 N91-19079* #
NASA-TM-4241 ..... 03 p0408 N91-12279* #
NASA-TM-4243 ..... 10 p1626 N91-18966* #
NASA-TM-4244 ..... 11 p1666 N91-19181* #
NASA-TM-4246 ..... 10 p1470 N91-18105* #
NASA-TM-4247 ..... 07 p1042 N91-15714* #
NASA-TM-4248 ..... 05 p0614 N91-13406* #
NASA-TM-4249 ..... 10 p1468 N91-18096* #
NASA-TM-4250 ..... 10 p1457 N91-18033* #
NASA-TM-4251 ..... 12 p1973 N91-20857* #
NASA-TM-4252 ..... 12 p1902 N91-20465* #
NASA-TM-4253 ..... 14 p2259 N91-22495* #
NASA-TM-4254 ..... 14 p2191 N91-22103* #
NASA-TM-4255 ..... 10 p1624 N91-18960* #
NASA-TM-4256-VOL-1 ..... 11 p1725 N91-19499* #
NASA-TM-4256-VOL-2 ..... 13 p2105 N91-21590* #
NASA-TM-4256-VOL-3 ..... 12 p1916 N91-20539* #
NASA-TM-4257 ..... 11 p1654 N91-19115* #
NASA-TM-4258 ..... 11 p1762 N91-19697* #
NASA-TM-4260 ..... 13 p2119 N91-21661* #
NASA-TM-4261-PT-1 ..... 13 p2119 N91-21662* #
NASA-TM-4261-PT-2 ..... 13 p2119 N91-21663* #
NASA-TM-4262 ..... 13 p2152 N91-21860* #
NASA-TM-4265 ..... 19 p3099 N91-27120* #

NASA-TM-4266 ..... 14 p2267 N91-22540* #
NASA-TM-4267 ..... 16 p2544 N91-24098* #
NASA-TM-4268-PT-1 ..... 18 p3016 N91-26654* #
NASA-TM-4268-PT-2 ..... 19 p3202 N91-27697* #
NASA-TM-4269 ..... 14 p2301 N91-22715* #
NASA-TM-4270 ..... 13 p2126 N91-21704* #
NASA-TM-4271 ..... 14 p2353 N91-23014* #
NASA-TM-4272 ..... 19 p3163 N91-27489* #
NASA-TM-4273 ..... 12 p1845 N91-20143* #
NASA-TM-4274 ..... 14 p2193 N91-22111* #
NASA-TM-4275 ..... 12 p1858 N91-20206* #
NASA-TM-4276 ..... 12 p1843 N91-20133* #
NASA-TM-4277 ..... 14 p2279 N91-22606* #
NASA-TM-4282 ..... 19 p3113 N91-27198* #
NASA-TM-4283 ..... 14 p2253 N91-22466* #
NASA-TM-4286 ..... 22 p3698 N91-30589* #
NASA-TM-4287 ..... 18 p3091 N91-27087* #
NASA-TM-4288 ..... 17 p2917 N91-26103* #
NASA-TM-4289 ..... 15 p2388 N91-23215* #
NASA-TM-4290 ..... 17 p2787 N91-25422* #
NASA-TM-4291 ..... 18 p3097 N91-27119* #
NASA-TM-4297 ..... 19 p3244 N91-27940* #
NASA-TM-4301 ..... 17 p2837 N91-25682* #
NASA-TM-4303 ..... 20 p3303 N91-28278* #
NASA-TM-4304 ..... 20 p3363 N91-28627* #
NASA-TM-4305 ..... 24 p4088 N91-32841* #
NASA-TM-4310 ..... 19 p3181 N91-27592* #
NASA-TM-4311 ..... 19 p3231 N91-27862* #
NASA-TM-4312 ..... 23 p3897 N91-31751* #
NASA-TM-4320 ..... 22 p3618 N91-30130* #
NASA-TM-4321 ..... 22 p3693 N91-30563* #
NASA-TM-4324 ..... 21 p3461 N91-29194* #
NASA-TM-4327 ..... 23 p3916 N91-31874* #
NASA-TM-4328 ..... 24 p3962 N91-32140* #
NASA-TM-80168 ..... 12 p1845 N91-20143* #
NASA-TM-83665 ..... 01 p0025 N91-10149* #
NASA-TM-84474 ..... 12 p1845 N91-20143* #
NASA-TM-86346 ..... 12 p1845 N91-20143* #
NASA-TM-86680 ..... 18 p2926 N91-26142* #
NASA-TM-89785 ..... 01 p0016 N91-10100* #
NASA-TM-100065 ..... 13 p2082 N91-21470* #
NASA-TM-100243 ..... 14 p2258 N91-22494* #
NASA-TM-100409 ..... 21 p3457 N91-29177* #
NASA-TM-100594 ..... 01 p0018 N91-10106* #
NASA-TM-100660 ..... 01 p0042 N91-10245* #
NASA-TM-100705 ..... 08 p1189 N91-16536* #
NASA-TM-100728-VOL-1 ..... 17 p2837 N91-25683* #
NASA-TM-100728-VOL-2 ..... 17 p2838 N91-25684* #
NASA-TM-100731 ..... 19 p3201 N91-27696* #
NASA-TM-100760 ..... 04 p0508 N91-12825* #
NASA-TM-100765 ..... 06 p0847 N91-14679* #
NASA-TM-100768 ..... 06 p0813 N91-14494* #
NASA-TM-100769 ..... 07 p1022 N91-15610* #
NASA-TM-100770 ..... 04 p0498 N91-12767* #
NASA-TM-100771 ..... 10 p1557 N91-18561* #
NASA-TM-100772 ..... 13 p2040 N91-21223* #
NASA-TM-100773 ..... 13 p2041 N91-21224* #
NASA-TM-100775 ..... 22 p3705 N91-30619* #
NASA-TM-101028 ..... 01 p0009 N91-10049* #
NASA-TM-101105 ..... 06 p0791 N91-14372* #
NASA-TM-101129 ..... 06 p0832 N91-14600* #
NASA-TM-101203 ..... 16 p2726 N91-25099* #
NASA-TM-101249 ..... 06 p0871 N91-14817* #
NASA-TM-101368 ..... 01 p0020 N91-10117* #
NASA-TM-101468 ..... 01 p0025 N91-10150* #
NASA-TM-101537 ..... 16 p2566 N91-24229* #
NASA-TM-101667 ..... 13 p2041 N91-21225* #
NASA-TM-101698 ..... 16 p2549 N91-24128* #
NASA-TM-101700 ..... 07 p0945 N91-15182* #
NASA-TM-101701 ..... 16 p2628 N91-24555* #
NASA-TM-101709-REV ..... 13 p2105 N91-21587* #
NASA-TM-101712 ..... 16 p2629 N91-24556* #
NASA-TM-101724 ..... 11 p1641 N91-19051* #
NASA-TM-101727 ..... 11 p1647 N91-19080* #
NASA-TM-101728 ..... 05 p0624 N91-13460* #
NASA-TM-101729 ..... 05 p0623 N91-13453* #
NASA-TM-101730 ..... 11 p1776 N91-19742* #
NASA-TM-101731 ..... 11 p1647 N91-19081* #
NASA-TM-101732 ..... 09 p1353 N91-17433* #
NASA-TM-101733 ..... 11 p1646 N91-19077* #
NASA-TM-101734 ..... 11 p1642 N91-19055* #
NASA-TM-101735 ..... 15 p2373 N91-23133* #
NASA-TM-101736 ..... 09 p1284 N91-17060* #
NASA-TM-101737 ..... 11 p1650 N91-19095* #
NASA-TM-101739 ..... 13 p2024 N91-21135* #
NASA-TM-101741 ..... 14 p2188 N91-22083* #
NASA-TM-101742 ..... 11 p1647 N91-19083* #
NASA-TM-101746 ..... 19 p3260 N91-28033* #
NASA-TM-101801 ..... 13 p2184 N91-22065* #
NASA-TM-101854 ..... 02 p0200 N91-11118* #
NASA-TM-102067 ..... 17 p2744 N91-25186* #
NASA-TM-102150 ..... 02 p0297 N91-11664* #
NASA-TM-102163 ..... 04 p0463 N91-12590* #
NASA-TM-102164 ..... 02 p0243 N91-11356* #
NASA-TM-102165 ..... 11 p1683 N91-19273* #
NASA-TM-102166 ..... 11 p1683 N91-19274* #
NASA-TM-102170 ..... 11 p1763 N91-19699* #
NASA-TM-102172 ..... 22 p3778 N91-31076* #
NASA-TM-102173 ..... 11 p1813 N91-19959* #
NASA-TM-102174 ..... 15 p2387 N91-23210* #
NASA-TM-102175 ..... 13 p2051 N91-21286* #
NASA-TM-102176 ..... 22 p3718 N91-30692* #
NASA-TM-102177 ..... 14 p2353 N91-23012* #
NASA-TM-102178 ..... 13 p2030 N91-21168* #
NASA-TM-102179 ..... 16 p2619 N91-24501* #
NASA-TM-102180 ..... 12 p1856 N91-20201* #
NASA-TM-102199 ..... 07 p1057 N91-15805* #
NASA-TM-102206 ..... 11 p1643 N91-19062* #
NASA-TM-102208 ..... 01 p0003 N91-10014* #
NASA-TM-102228 ..... 14 p2301 N91-22716* #
NASA-TM-102245 ..... 08 p1093 N91-16001* #
NASA-TM-102249 ..... 05 p0694 N91-13862* #
NASA-TM-102255 ..... 05 p0677 N91-13762* #
NASA-TM-102260 ..... 02 p0249 N91-11384* #
NASA-TM-102264 ..... 11 p1826 N91-20039* #
NASA-TM-102267 ..... 11 p1639 N91-19041* #
NASA-TM-102275 ..... 05 p0732 N91-14087* #
NASA-TM-102277 ..... 23 p3901 N91-31775* #
NASA-TM-102280 ..... 06 p0771 N91-14273* #
NASA-TM-102323 ..... 17 p2790 N91-25436* #
NASA-TM-102381 ..... 23 p3803 N91-31208* #
NASA-TM-102420 ..... 13 p2100 N91-21559* #
NASA-TM-102504 ..... 04 p0532 N91-12954* #
NASA-TM-102513 ..... 04 p0523 N91-12913* #
NASA-TM-102521 ..... 16 p2613 N91-24464* #
NASA-TM-102528 ..... 16 p2549 N91-24124* #
NASA-TM-102542 ..... 01 p0135 N91-10798* #
NASA-TM-102610 ..... 04 p0487 N91-12705* #
NASA-TM-102616 ..... 12 p1899 N91-20447* #
NASA-TM-102624 ..... 13 p2034 N91-21186* #
NASA-TM-102627 ..... 08 p1103 N91-16058* #
NASA-TM-102647 ..... 05 p0626 N91-13467* #
NASA-TM-102649 ..... 02 p0192 N91-11072* #
NASA-TM-102669 ..... 13 p2103 N91-21575* #
NASA-TM-102672 ..... 14 p2190 N91-22096* #
NASA-TM-102682 ..... 05 p0646 N91-13585* #
NASA-TM-102683 ..... 02 p0156 N91-10904* #
NASA-TM-102684 ..... 01 p0118 N91-10699* #
NASA-TM-102688 ..... 11 p1663 N91-19166* #
NASA-TM-102698 ..... 19 p3108 N91-27169* #
NASA-TM-102703 ..... 07 p0947 N91-15191* #
NASA-TM-102709 ..... 01 p0037 N91-10221* #
NASA-TM-102711 ..... 09 p1353 N91-17432* #
NASA-TM-102712 ..... 07 p0971 N91-15332* #
NASA-TM-102717 ..... 01 p0010 N91-10058* #
NASA-TM-102720 ..... 11 p1721 N91-19474* #
NASA-TM-102721 ..... 09 p1384 N91-17612* #
NASA-TM-102722 ..... 01 p0013 N91-10078* #
NASA-TM-102725 ..... 03 p0368 N91-12063* #
NASA-TM-102726 ..... 03 p0343 N91-11920* #
NASA-TM-102727 ..... 05 p0677 N91-13761* #
NASA-TM-102728 ..... 01 p0022 N91-10128* #
NASA-TM-102729 ..... 19 p3148 N91-27401* #
NASA-TM-102730 ..... 03 p0300 N91-11673* #
NASA-TM-102731 ..... 03 p0300 N91-11674* #
NASA-TM-102732 ..... 02 p0158 N91-10918* #
NASA-TM-102733 ..... 01 p0004 N91-10020* #
NASA-TM-102734 ..... 02 p0158 N91-10919* #
NASA-TM-102735 ..... 02 p0224 N91-11252* #
NASA-TM-102736 ..... 01 p0119 N91-10702* #
NASA-TM-102737 ..... 07 p0943 N91-15173* #
NASA-TM-102739 ..... 05 p0707 N91-13941* #
NASA-TM-102740 ..... 04 p0536 N91-12971* #
NASA-TM-102741 ..... 05 p0621 N91-13445* #
NASA-TM-102742 ..... 01 p0031 N91-10182* #
NASA-TM-102745 ..... 05 p0615 N91-13411* #
NASA-TM-102746 ..... 03 p0379 N91-12115* #
NASA-TM-102748 ..... 06 p0838 N91-14629* #
NASA-TM-102749 ..... 05 p0615 N91-13412* #
NASA-TM-102750 ..... 04 p0488 N91-12712* #
NASA-TM-102751 ..... 07 p0969 N91-15319* #
NASA-TM-102752 ..... 08 p1103 N91-16057* #
NASA-TM-102753 ..... 03 p0379 N91-12116* #
NASA-TM-102754 ..... 07 p1000 N91-15490* #
NASA-TM-102755 ..... 07 p0972 N91-15337* #
NASA-TM-102756 ..... 10 p1474 N91-18120* #
NASA-TM-102757 ..... 07 p1020 N91-15605* #
NASA-TM-102758 ..... 13 p2026 N91-21144* #
NASA-TM-102759 ..... 07 p1020 N91-15604* #
NASA-TM-102761 ..... 08 p1164 N91-16407* #
NASA-TM-102762 ..... 10 p1536 N91-18455* #
NASA-TM-102763 ..... 11 p1720 N91-19471* #
NASA-TM-102764 ..... 12 p1911 N91-20505* #
NASA-TM-102765 ..... 10 p1536 N91-18456* #
NASA-TM-102766 ..... 08 p1239 N91-16832* #
NASA-TM-102767 ..... 11 p1645 N91-19073* #
NASA-TM-102768 ..... 11 p1664 N91-19168* #
NASA-TM-102769 ..... 16 p2588 N91-24343* #
NASA-TM-102770 ..... 12 p1828 N91-20046* #
NASA-TM-102772 ..... 09 p1423 N91-17835* #
NASA-TM-102773 ..... 12 p1996 N91-20988* #
NASA-TM-102774 ..... 10 p1613 N91-18898* #

NASA-TM-102775 ..... 07 p1005 N91-15521* #
NASA-TM-102776 ..... 13 p2076 N91-21435* #
NASA-TM-102777 ..... 11 p1722 N91-19482* #
NASA-TM-102778 ..... 13 p2034 N91-21183* #
NASA-TM-102779 ..... 12 p1854 N91-20189* #
NASA-TM-102780 ..... 13 p2039 N91-21214* #
NASA-TM-102781 ..... 11 p1643 N91-19061* #
NASA-TM-102793 ..... 01 p0045 N91-10268* #
NASA-TM-102794 ..... 23 p3781 N91-31078* #
NASA-TM-102803 ..... 14 p2241 N91-22396* #
NASA-TM-102805 ..... 01 p0003 N91-10013* #
NASA-TM-102808 ..... 05 p0625 N91-13466* #
NASA-TM-102809 ..... 06 p0779 N91-14322* #
NASA-TM-102812 ..... 19 p3214 N91-27764* #
NASA-TM-102813 ..... 14 p2189 N91-22091* #
NASA-TM-102816 ..... 14 p2187 N91-22077* #
NASA-TM-102817 ..... 16 p2546 N91-24108* #
NASA-TM-102818 ..... 24 p3948 N91-32070* #
NASA-TM-102826 ..... 04 p0553 N91-13066* #
NASA-TM-102828 ..... 05 p0658 N91-13652* #
NASA-TM-102830 ..... 13 p2024 N91-21131* #
NASA-TM-102831 ..... 16 p2667 N91-24757* #
NASA-TM-102832 ..... 15 p2367 N91-23099* #
NASA-TM-102838 ..... 10 p1463 N91-18066* #
NASA-TM-102840 ..... 09 p1274 N91-17001* #
NASA-TM-102841 ..... 05 p0658 N91-13653* #
NASA-TM-102847 ..... 01 p0043 N91-10252* #
NASA-TM-102853 ..... 16 p2562 N91-24209* #
NASA-TM-102854 ..... 15 p2386 N91-23207* #
NASA-TM-102855 ..... 02 p0161 N91-10933* #
NASA-TM-102856 ..... 05 p0614 N91-13408* #
NASA-TM-102857 ..... 08 p1165 N91-16414* #
NASA-TM-102859 ..... 24 p3948 N91-32071* #
NASA-TM-102860-VOL-1 ..... 11 p1740 N91-19566* #
NASA-TM-102860-VOL-2 ..... 14 p2297 N91-22697* #
NASA-TM-102861 ..... 07 p0989 N91-15426* #
NASA-TM-102862 ..... 07 p0936 N91-15128* #
NASA-TM-102863 ..... 22 p3770 N91-31024* #
NASA-TM-102865 ..... 07 p0935 N91-15124* #
NASA-TM-102866 ..... 09 p1286 N91-17071* #
NASA-TM-102867 ..... 01 p0003 N91-10015* #
NASA-TM-102870 ..... 07 p0939 N91-15147* #
NASA-TM-102871 ..... 11 p1646 N91-19078* #
NASA-TM-102872 ..... 07 p1038 N91-15692* #
NASA-TM-102876 ..... 20 p3279 N91-28134* #
NASA-TM-102879 ..... 13 p2082 N91-21471* #
NASA-TM-102885 ..... 11 p1677 N91-19241* #
NASA-TM-102886 ..... 11 p1781 N91-19770* #
NASA-TM-102887 ..... 09 p1294 N91-17112* #
NASA-TM-102888 ..... 06 p0912 N91-15040* #
NASA-TM-102889 ..... 24 p3963 N91-32145* #
NASA-TM-102890 ..... 06 p0856 N91-14727* #
NASA-TM-102910 ..... 01 p0063 N91-10378* #
NASA-TM-102941 ..... 02 p0251 N91-11389* #
NASA-TM-102969 ..... 02 p0291 N91-11633* #
NASA-TM-102976 ..... 05 p0769 N91-14271* #
NASA-TM-102999 ..... 18 p3085 N91-27055* #
NASA-TM-103017 ..... 02 p0183 N91-11028* #
NASA-TM-103041 ..... 09 p1424 N91-17840* #
NASA-TM-103097 ..... 14 p2252 N91-22460* #
NASA-TM-103115 ..... 09 p1274 N91-17002* #
NASA-TM-103169 ..... 06 p0802 N91-14426* #
NASA-TM-103183 ..... 03 p0301 N91-11675* #
NASA-TM-103191 ..... 11 p1666 N91-19180* #
NASA-TM-103193 ..... 03 p0323 N91-11798* #
NASA-TM-103197 ..... 09 p1348 N91-17407* #
NASA-TM-103204 ..... 02 p0192 N91-11074* #
NASA-TM-103214 ..... 08 p1145 N91-16304* #
NASA-TM-103216 ..... 03 p0324 N91-11802* #
NASA-TM-103218 ..... 03 p0323 N91-11799* #
NASA-TM-103226 ..... 10 p1508 N91-18297* #
NASA-TM-103227 ..... 01 p0020 N91-10118* #
NASA-TM-103230 ..... 07 p0971 N91-15329* #
NASA-TM-103232 ..... 14 p2271 N91-22566* #
NASA-TM-103234 ..... 11 p1665 N91-19178* #
NASA-TM-103236 ..... 14 p2195 N91-22126* #
NASA-TM-103238 ..... 03 p0316 N91-11770* #
NASA-TM-103244 ..... 09 p1350 N91-17415* #
NASA-TM-103245 ..... 08 p1106 N91-16075* #
NASA-TM-103247 ..... 01 p0056 N91-10332* #
NASA-TM-103251 ..... 03 p0301 N91-11676* #
NASA-TM-103257 ..... 11 p1708 N91-19404* #
NASA-TM-103258 ..... 13 p2020 N91-21116* #
NASA-TM-103260 ..... 07 p0937 N91-15134* #
NASA-TM-103263 ..... 05 p0655 N91-13638* #
NASA-TM-103265 ..... 02 p0190 N91-11062* #
NASA-TM-103266 ..... 03 p0343 N91-11922* #
NASA-TM-103267 ..... 03 p0363 N91-12034* #
NASA-TM-103268 ..... 06 p0785 N91-14349* #
NASA-TM-103269 ..... 02 p0189 N91-11058* #
NASA-TM-103272 ..... 11 p1694 N91-19332* #
NASA-TM-103273 ..... 06 p0825 N91-14559* #
NASA-TM-103274 ..... 02 p0216 N91-11205* #
NASA-TM-103276 ..... 13 p2094 N91-21531* #
NASA-TM-103277 ..... 03 p0378 N91-12114* #
NASA-TM-103278 ..... 03 p0313 N91-11752* #
NASA-TM-103281 ..... 19 p3178 N91-27570* #
NASA-TM-103282 ..... 01 p0035 N91-10208* #
NASA-TM-103283 ..... 07 p1025 N91-15626* #
NASA-TM-103284 ..... 02 p0190 N91-11061* #
NASA-TM-103285 ..... 07 p0944 N91-15174* #
NASA-TM-103286 ..... 11 p1698 N91-19351* #
NASA-TM-103287 ..... 20 p3362 N91-28622* #
NASA-TM-103288 ..... 01 p0045 N91-10271* #
NASA-TM-103289 ..... 03 p0399 N91-12215* #
NASA-TM-103290 ..... 03 p0324 N91-11801* #
NASA-TM-103293 ..... 01 p0042 N91-10249* #
NASA-TM-103297 ..... 02 p0251 N91-11390* #
NASA-TM-103314 ..... 01 p0105 N91-10606* #
NASA-TM-103326 ..... 14 p2339 N91-22934*
NASA-TM-103327 ..... 12 p2009 N91-21055* #
NASA-TM-103332 ..... 10 p1595 N91-18799* #
NASA-TM-103333 ..... 11 p1817 N91-19979* #
NASA-TM-103342 ..... 13 p2147 N91-21827* #
NASA-TM-103372 ..... 09 p1301 N91-17140* #
NASA-TM-103373 ..... 10 p1483 N91-18175* #
NASA-TM-103374 ..... 10 p1486 N91-18187* #
NASA-TM-103380 ..... 14 p2284 N91-22629* #
NASA-TM-103382 ..... 09 p1424 N91-17836* #
NASA-TM-103383 ..... 10 p1483 N91-18173* #
NASA-TM-103384 ..... 13 p2167 N91-21959* #
NASA-TM-103385 ..... 10 p1555 N91-18550* #
NASA-TM-103389 ..... 09 p1379 N91-17581* #
NASA-TM-103390 ..... 09 p1379 N91-17584* #
NASA-TM-103391 ..... 08 p1221 N91-16728* #
NASA-TM-103392 ..... 09 p1379 N91-17583* #
NASA-TM-103393 ..... 09 p1380 N91-17585* #
NASA-TM-103395 ..... 10 p1485 N91-18181* #
NASA-TM-103397 ..... 11 p1692 N91-19319* #
NASA-TM-103398 ..... 11 p1656 N91-19123* #
NASA-TM-103399 ..... 13 p2125 N91-21696* #
NASA-TM-103400 ..... 07 p0963 N91-15298* #
NASA-TM-103402 ..... 07 p1086 N91-15971* #
NASA-TM-103407 ..... 09 p1379 N91-17582* #
NASA-TM-103409 ..... 07 p1076 N91-15919* #
NASA-TM-103410 ..... 10 p1612 N91-18894* #
NASA-TM-103413 ..... 07 p1051 N91-15771* #
NASA-TM-103415 ..... 08 p1201 N91-16602* #
NASA-TM-103417 ..... 07 p1051 N91-15773* #
NASA-TM-103418 ..... 07 p1051 N91-15772* #
NASA-TM-103423 ..... 06 p0814 N91-14498* #
NASA-TM-103424 ..... 13 p2142 N91-21795* #
NASA-TM-103428 ..... 05 p0615 N91-13413* #
NASA-TM-103429 ..... 05 p0726 N91-14053* #
NASA-TM-103437 ..... 04 p0490 N91-12724* #
NASA-TM-103439 ..... 06 p0885 N91-14892* #
NASA-TM-103441 ..... 05 p0730 N91-14079* #
NASA-TM-103443 ..... 03 p0435 N91-12437* #
NASA-TM-103445 ..... 01 p0093 N91-10543* #
NASA-TM-103446 ..... 01 p0073 N91-10441* #
NASA-TM-103447 ..... 04 p0601 N91-13350* #
NASA-TM-103448 ..... 05 p0644 N91-13575* #
NASA-TM-103451 ..... 01 p0138 N91-10816* #
NASA-TM-103460 ..... 02 p0186 N91-11040*
NASA-TM-103501 ..... 01 p0033 N91-10194* #
NASA-TM-103507 ..... 01 p0032 N91-10191* #
NASA-TM-103514 ..... 01 p0049 N91-10294* #
NASA-TM-103515 ..... 05 p0678 N91-13766* #
NASA-TM-103516 ..... 01 p0141 N91-10832* #
NASA-TM-103517 ..... 05 p0702 N91-13910* #
NASA-TM-103518 ..... 07 p0982 N91-15391* #
NASA-TM-103520 ..... 07 p1077 N91-15926* #
NASA-TM-103521 ..... 07 p1032 N91-15660* #
NASA-TM-103522 ..... 07 p1034 N91-15673* #
NASA-TM-103523 ..... 07 p1034 N91-15674* #
NASA-TM-103524 ..... 10 p1531 N91-18436* #
NASA-TM-103525 ..... 11 p1733 N91-19529* #
NASA-TM-103526 ..... 10 p1494 N91-18222* #
NASA-TM-103527 ..... 13 p2095 N91-21532* #
NASA-TM-103528 ..... 13 p2079 N91-21450* #
NASA-TM-103529 ..... 13 p2051 N91-21287* #
NASA-TM-103530 ..... 13 p2113 N91-21633* #
NASA-TM-103531 ..... 14 p2343 N91-22951* #
NASA-TM-103532 ..... 14 p2343 N91-22952* #
NASA-TM-103533 ..... 16 p2638 N91-24599* #
NASA-TM-103534 ..... 15 p2437 N91-23502* #
NASA-TM-103535 ..... 16 p2604 N91-24430* #
NASA-TM-103536 ..... 16 p2635 N91-24584* #
NASA-TM-103537 ..... 20 p3313 N91-28341* #
NASA-TM-103538 ..... 17 p2813 N91-25550* #
NASA-TM-103539 ..... 17 p2814 N91-25555* #
NASA-TM-103540 ..... 18 p2956 N91-26312* #
NASA-TM-103541 ..... 18 p2936 N91-26193* #
NASA-TM-103542 ..... 19 p3137 N91-27330* #
NASA-TM-103543 ..... 19 p3137 N91-27332* #
NASA-TM-103544 ..... 20 p3290 N91-28189* #
NASA-TM-103547 ..... 21 p3605 N91-30061* #
NASA-TM-103548 ..... 22 p3628 N91-30188* #
NASA-TM-103550 ..... 22 p3728 N91-30751* #
NASA-TM-103551 ..... 24 p3977 N91-32217* #
NASA-TM-103552 ..... 23 p3873 N91-31606* #
NASA-TM-103553 ..... 24 p3971 N91-32185* #

NASA-TM-103606 ..... 11 p1791 N91-19825* #
NASA-TM-103608 ..... 01 p0119 N91-10703* #
NASA-TM-103611 ..... 07 p0987 N91-15418* #
NASA-TM-103612 ..... 07 p0969 N91-15318* #
NASA-TM-103613 ..... 02 p0189 N91-11059* #
NASA-TM-103614 ..... 07 p1013 N91-15565* #
NASA-TM-103616 ..... 01 p0132 N91-10780* #
NASA-TM-103617 ..... 07 p0965 N91-15301* #
NASA-TM-103618 ..... 03 p0323 N91-11796* #
NASA-TM-103619 ..... 07 p0966 N91-15306* #
NASA-TM-103620 ..... 17 p2746 N91-25195* #
NASA-TM-103621 ..... 06 p0833 N91-14602* #
NASA-TM-103622 ..... 03 p0323 N91-11797* #
NASA-TM-103623 ..... 06 p0931 N91-15117* #
NASA-TM-103624 ..... 02 p0213 N91-11192* #
NASA-TM-103625 ..... 02 p0267 N91-11494* #
NASA-TM-103626 ..... 11 p1721 N91-19477* #
NASA-TM-103627 ..... 02 p0267 N91-11495* #
NASA-TM-103628 ..... 02 p0266 N91-11493* #
NASA-TM-103629 ..... 03 p0414 N91-12317* #
NASA-TM-103630 ..... 06 p0865 N91-14781* #
NASA-TM-103631 ..... 06 p0815 N91-14500* #
NASA-TM-103632 ..... 01 p0023 N91-10134* #
NASA-TM-103633 ..... 03 p0356 N91-11988* #
NASA-TM-103634 ..... 07 p0939 N91-15146* #
NASA-TM-103635 ..... 07 p1062 N91-15842* #
NASA-TM-103636 ..... 09 p1301 N91-17143* #
NASA-TM-103637 ..... 06 p0838 N91-14632* #
NASA-TM-103638 ..... 02 p0189 N91-11060* #
NASA-TM-103639 ..... 11 p1702 N91-19373* #
NASA-TM-103640 ..... 05 p0623 N91-13455* #
NASA-TM-103641 ..... 06 p0824 N91-14556* #
NASA-TM-103642 ..... 05 p0767 N91-14259* #
NASA-TM-103643 ..... 05 p0631 N91-13495* #
NASA-TM-103644 ..... 10 p1535 N91-18452* #
NASA-TM-103645 ..... 03 p0414 N91-12316* #
NASA-TM-103646 ..... 03 p0368 N91-12064* #
NASA-TM-103647 ..... 06 p0807 N91-14454* #
NASA-TM-103648 ..... 11 p1675 N91-19234* #
NASA-TM-103649 ..... 13 p2043 N91-21240* #
NASA-TM-103650 ..... 11 p1641 N91-19053* #
NASA-TM-103651 ..... 05 p0623 N91-13456* #
NASA-TM-103652 ..... 03 p0348 N91-11945* #
NASA-TM-103653 ..... 05 p0630 N91-13491* #
NASA-TM-103654 ..... 06 p0873 N91-14829* #
NASA-TM-103655 ..... 06 p0878 N91-14850* #
NASA-TM-103656 ..... 11 p1666 N91-19179* #
NASA-TM-103657 ..... 01 p0020 N91-10119* #
NASA-TM-103658 ..... 11 p1715 N91-19442* #
NASA-TM-103659 ..... 05 p0725 N91-14050* #
NASA-TM-103660 ..... 04 p0537 N91-12980* #
NASA-TM-103661 ..... 14 p2236 N91-22371* #
NASA-TM-103664 ..... 11 p1693 N91-19324* #
NASA-TM-103665 ..... 11 p1687 N91-19296* #
NASA-TM-103666 ..... 11 p1679 N91-19256* #
NASA-TM-103667 ..... 07 p0970 N91-15328* #
NASA-TM-103668 ..... 11 p1702 N91-19372* #
NASA-TM-103669 ..... 11 p1676 N91-19236* #
NASA-TM-103670 ..... 11 p1676 N91-19237* #
NASA-TM-103671 ..... 12 p1954 N91-20748* #
NASA-TM-103672 ..... 11 p1697 N91-19348* #
NASA-TM-103673 ..... 11 p1701 N91-19369* #
NASA-TM-103674 ..... 06 p0812 N91-14482* #
NASA-TM-103675 ..... 09 p1352 N91-17427* #
NASA-TM-103676 ..... 11 p1707 N91-19401* #
NASA-TM-103677 ..... 11 p1675 N91-19231* #
NASA-TM-103678 ..... 13 p2025 N91-21137* #
NASA-TM-103679 ..... 11 p1640 N91-19044* #
NASA-TM-103680 ..... 11 p1720 N91-19472* #
NASA-TM-103681 ..... 11 p1675 N91-19230* #
NASA-TM-103682 ..... 11 p1674 N91-19229* #
NASA-TM-103683 ..... 05 p0623 N91-13457* #
NASA-TM-103685 ..... 11 p1686 N91-19292* #
NASA-TM-103686 ..... 12 p1862 N91-20228* #
NASA-TM-103687 ..... 11 p1640 N91-19045* #
NASA-TM-103688 ..... 13 p2044 N91-21243* #
NASA-TM-103689 ..... 05 p0616 N91-13420* #
NASA-TM-103690 ..... 11 p1650 N91-19098* #
NASA-TM-103691 ..... 17 p2785 N91-25411* #
NASA-TM-103692 ..... 09 p1273 N91-17000* #
NASA-TM-103693 ..... 11 p1640 N91-19046* #
NASA-TM-103694 ..... 13 p2054 N91-21302* #
NASA-TM-103695 ..... 13 p2095 N91-21534* #
NASA-TM-103696 ..... 12 p1890 N91-20392* #
NASA-TM-103697 ..... 12 p1906 N91-20489* #
NASA-TM-103698 ..... 11 p1653 N91-19112* #
NASA-TM-103699 ..... 12 p1890 N91-20393* #
NASA-TM-103700 ..... 11 p1698 N91-19349* #
NASA-TM-103701 ..... 11 p1640 N91-19047* #
NASA-TM-103702 ..... 11 p1701 N91-19370* #
NASA-TM-103703 ..... 07 p0965 N91-15303* #
NASA-TM-103704 ..... 12 p1858 N91-20204* #
NASA-TM-103705 ..... 06 p0777 N91-14310* #
NASA-TM-103706 ..... 11 p1702 N91-19371* #
NASA-TM-103707 ..... 11 p1686 N91-19293* #
NASA-TM-103708 ..... 07 p0982 N91-15390* #
NASA-TM-103709 ..... 06 p0777 N91-14309* #
NASA-TM-103710 ..... 12 p1828 N91-20044* #
NASA-TM-103711 ..... 11 p1687 N91-19294* #
NASA-TM-103712 ..... 05 p0617 N91-13421* #
NASA-TM-103713 ..... 11 p1675 N91-19232* #
NASA-TM-103714 ..... 12 p1835 N91-20084* #
NASA-TM-103715 ..... 11 p1665 N91-19176* #
NASA-TM-103716 ..... 11 p1715 N91-19441* #
NASA-TM-103717 ..... 14 p2236 N91-22370* #
NASA-TM-103720 ..... 12 p1901 N91-20453* #
NASA-TM-103721 ..... 12 p1894 N91-20417* #
NASA-TM-103722 ..... 12 p1828 N91-20045* #
NASA-TM-103723 ..... 12 p1899 N91-20445* #
NASA-TM-103724 ..... 11 p1675 N91-19233* #
NASA-TM-103725 ..... 14 p2243 N91-22410* #
NASA-TM-103726 ..... 11 p1702 N91-19374* #
NASA-TM-103727 ..... 08 p1115 N91-16128* #
NASA-TM-103728 ..... 11 p1822 N91-20015* #
NASA-TM-103729 ..... 13 p2042 N91-21233* #
NASA-TM-103730 ..... 11 p1691 N91-19317* #
NASA-TM-103731 ..... 11 p1665 N91-19177* #
NASA-TM-103732 ..... 11 p1719 N91-19463* #
NASA-TM-103733 ..... 14 p2241 N91-22402* #
NASA-TM-103734 ..... 11 p1707 N91-19402* #
NASA-TM-103735 ..... 11 p1663 N91-19165* #
NASA-TM-103736 ..... 18 p3005 N91-26592* #
NASA-TM-103737 ..... 14 p2271 N91-22567* #
NASA-TM-103738 ..... 12 p1842 N91-20126* #
NASA-TM-103739 ..... 18 p2943 N91-26233* #
NASA-TM-103741 ..... 15 p2404 N91-23311* #
NASA-TM-103742 ..... 13 p2011 N91-21060* #
NASA-TM-103743 ..... 11 p1675 N91-19235* #
NASA-TM-103744 ..... 15 p2446 N91-23549* #
NASA-TM-103745 ..... 11 p1784 N91-19786* #
NASA-TM-103746 ..... 11 p1721 N91-19475* #
NASA-TM-103748 ..... 11 p1642 N91-19054* #
NASA-TM-103749 ..... 13 p2160 N91-21910* #
NASA-TM-103750 ..... 13 p2101 N91-21562* #
NASA-TM-103751 ..... 11 p1718 N91-19462* #
NASA-TM-103752 ..... 21 p3608 N91-30073* #
NASA-TM-103754 ..... 12 p1853 N91-20184* #
NASA-TM-103756 ..... 19 p3162 N91-27487* #
NASA-TM-103757 ..... 15 p2382 N91-23183* #
NASA-TM-103758 ..... 11 p1715 N91-19443* #
NASA-TM-103759 ..... 14 p2362 N91-23072* #
NASA-TM-103760 ..... 19 p3122 N91-27247* #
NASA-TM-103761 ..... 11 p1719 N91-19464* #
NASA-TM-103762 ..... 11 p1698 N91-19354* #
NASA-TM-103763 ..... 13 p2076 N91-21433* #
NASA-TM-103764 ..... 11 p1689 N91-19308* #
NASA-TM-103765 ..... 14 p2253 N91-22464* #
NASA-TM-103766 ..... 17 p2830 N91-25630* #
NASA-TM-103767 ..... 13 p2055 N91-21309* #
NASA-TM-103768 ..... 14 p2238 N91-22377* #
NASA-TM-103769 ..... 13 p2078 N91-21448* #
NASA-TM-103771 ..... 11 p1665 N91-19175* #
NASA-TM-103772 ..... 21 p3471 N91-29250* #
NASA-TM-103773 ..... 16 p2677 N91-24817* #
NASA-TM-103774 ..... 11 p1650 N91-19097* #
NASA-TM-103775 ..... 13 p2066 N91-21378* #
NASA-TM-103776 ..... 22 p3689 N91-30539* #
NASA-TM-103777 ..... 11 p1687 N91-19295* #
NASA-TM-103778 ..... 11 p1643 N91-19063* #
NASA-TM-103779 ..... 13 p2011 N91-21061* #
NASA-TM-103780 ..... 13 p2080 N91-21458* #
NASA-TM-103781 ..... 11 p1702 N91-19375* #
NASA-TM-103782 ..... 13 p2100 N91-21558* #
NASA-TM-103783 ..... 15 p2410 N91-23347* #
NASA-TM-103784 ..... 11 p1674 N91-19224* #
NASA-TM-103785 ..... 11 p1780 N91-19766* #
NASA-TM-103787 ..... 13 p2099 N91-21553* #
NASA-TM-103788 ..... 11 p1692 N91-19320* #
NASA-TM-103789 ..... 12 p1969 N91-20830* #
NASA-TM-103790 ..... 16 p2677 N91-24818* #
NASA-TM-103791 ..... 13 p2078 N91-21447* #
NASA-TM-103792 ..... 11 p1809 N91-19935* #
NASA-TM-103793 ..... 13 p2143 N91-21797* #
NASA-TM-103794 ..... 11 p1721 N91-19476* #
NASA-TM-103795 ..... 15 p2439 N91-23515* #
NASA-TM-103796 ..... 19 p3135 N91-27324* #
NASA-TM-103797 ..... 15 p2439 N91-23513* #
NASA-TM-103798 ..... 19 p3176 N91-27558* #
NASA-TM-103799 ..... 14 p2238 N91-22379* #
NASA-TM-103801 ..... 15 p2421 N91-23409* #
NASA-TM-103802 ..... 12 p1892 N91-20406* #
NASA-TM-103804 ..... 12 p1878 N91-20324* #
NASA-TM-103805 ..... 12 p1841 N91-20122* #
NASA-TM-103806 ..... 22 p3690 N91-30546* #
NASA-TM-103807 ..... 02 p0200 N91-11121* #
NASA-TM-103808 ..... 01 p0026 N91-10157* #
NASA-TM-103809 ..... 01 p0022 N91-10131* #
NASA-TM-103811 ..... 10 p1636 N91-19023* #
NASA-TM-103812 ..... 08 p1122 N91-16166* #
NASA-TM-103813 ..... 01 p0073 N91-10442* #
NASA-TM-103814 ..... 08 p1100 N91-16041* #
NASA-TM-103815 ..... 09 p1295 N91-17113* #

NASA-TM-103816 ..... 11 p1655 N91-19118* #
NASA-TM-103817 ..... 13 p2113 N91-21635* #
NASA-TM-103818 ..... 16 p2564 N91-24218* #
NASA-TM-103819 ..... 15 p2477 N91-23718* #
NASA-TM-103820 ..... 16 p2565 N91-24221* #
NASA-TM-103821 ..... 18 p3036 N91-26759* #
NASA-TM-103822 ..... 21 p3464 N91-29210* #
NASA-TM-103829 ..... 06 p0822 N91-14540* #
NASA-TM-103831 ..... 09 p1275 N91-17009* #
NASA-TM-103833 ..... 13 p2024 N91-21134* #
NASA-TM-103835 ..... 22 p3719 N91-30697* #
NASA-TM-103836 ..... 11 p1688 N91-19304* #
NASA-TM-103837 ..... 11 p1791 N91-19826* #
NASA-TM-103840 ..... 24 p4121 N91-33033* #
NASA-TM-103844 ..... 13 p2184 N91-22066* #
NASA-TM-103846 ..... 17 p2727 N91-25102* #
NASA-TM-103847 ..... 15 p2474 N91-23704* #
NASA-TM-103849 ..... 17 p2832 N91-25647* #
NASA-TM-103851 ..... 19 p3216 N91-27773* #
NASA-TM-103859 ..... 18 p2982 N91-26465* #
NASA-TM-103860-VOL-1 ..... 15 p2409 N91-23341* #
NASA-TM-103860-VOL-2 ..... 17 p2765 N91-25304* #
NASA-TM-103861 ..... 17 p2735 N91-25142* #
NASA-TM-103862 ..... 17 p2838 N91-25687* #
NASA-TM-103867 ..... 24 p3960 N91-32134* #
NASA-TM-103885 ..... 24 p3961 N91-32135* #
NASA-TM-103886 ..... 18 p3042 N91-26796* #
NASA-TM-104029 ..... 11 p1709 N91-19415* #
NASA-TM-104031 ..... 13 p2148 N91-21834* #
NASA-TM-104032 ..... 14 p2193 N91-22113* #
NASA-TM-104033 ..... 13 p2104 N91-21580* #
NASA-TM-104034 ..... 14 p2225 N91-22305* #
NASA-TM-104036 ..... 23 p3790 N91-31138* #
NASA-TM-104037 ..... 23 p3790 N91-31139* #
NASA-TM-104039 ..... 12 p1828 N91-20048* #
NASA-TM-104040 ..... 12 p1932 N91-20631* #
NASA-TM-104041 ..... 14 p2225 N91-22306* #
NASA-TM-104042 ..... 14 p2274 N91-22578* #
NASA-TM-104045 ..... 13 p2104 N91-21579* #
NASA-TM-104046 ..... 13 p2103 N91-21574* #
NASA-TM-104047 ..... 13 p2103 N91-21573* #
NASA-TM-104048 ..... 13 p2104 N91-21578* #
NASA-TM-104049 ..... 10 p1494 N91-18223* #
NASA-TM-104050 ..... 13 p2032 N91-21177* #
NASA-TM-104051 ..... 10 p1579 N91-18692* #
NASA-TM-104052 ..... 13 p2102 N91-21572* #
NASA-TM-104053 ..... 13 p2024 N91-21132* #
NASA-TM-104054 ..... 18 p2925 N91-26137* #
NASA-TM-104055 ..... 20 p3305 N91-28293* #
NASA-TM-104057 ..... 23 p3801 N91-31201* #
NASA-TM-104058 ..... 19 p3100 N91-27127* #
NASA-TM-104059 ..... 14 p2276 N91-22589* #
NASA-TM-104060 ..... 14 p2241 N91-22397* #
NASA-TM-104062 ..... 14 p2239 N91-22384* #
NASA-TM-104063 ..... 14 p2339 N91-22931* #
NASA-TM-104064 ..... 14 p2276 N91-22587* #
NASA-TM-104065 ..... 13 p2103 N91-21577* #
NASA-TM-104066 ..... 13 p2055 N91-21308* #
NASA-TM-104067 ..... 13 p2055 N91-21306* #
NASA-TM-104068 ..... 21 p3554 N91-29745* #
NASA-TM-104069 ..... 17 p2790 N91-25437* #
NASA-TM-104070 ..... 15 p2393 N91-23244* #
NASA-TM-104071 ..... 14 p2250 N91-22448* #
NASA-TM-104072 ..... 20 p3280 N91-28137* #
NASA-TM-104073 ..... 15 p2374 N91-23135* #
NASA-TM-104074 ..... 16 p2559 N91-24196* #
NASA-TM-104075 ..... 17 p2760 N91-25283* #
NASA-TM-104076 ..... 22 p3643 N91-30274* #
NASA-TM-104077 ..... 22 p3644 N91-30280* #
NASA-TM-104078 ..... 19 p3101 N91-27132* #
NASA-TM-104079 ..... 18 p3000 N91-26569* #
NASA-TM-104080 ..... 17 p2787 N91-25421* #
NASA-TM-104081 ..... 17 p2815 N91-25557* #
NASA-TM-104082 ..... 17 p2815 N91-25558* #
NASA-TM-104083 ..... 19 p3100 N91-27128* #
NASA-TM-104084 ..... 16 p2565 N91-24220* #
NASA-TM-104085 ..... 16 p2698 N91-24943* #
NASA-TM-104086 ..... 17 p2885 N91-25950* #
NASA-TM-104087 ..... 20 p3279 N91-28131* #
NASA-TM-104088 ..... 20 p3279 N91-28132* #
NASA-TM-104089 ..... 22 p3694 N91-30567* #
NASA-TM-104090 ..... 17 p2919 N91-26112* #
NASA-TM-104092 ..... 17 p2828 N91-25623* #
NASA-TM-104093 ..... 19 p3179 N91-27578* #
NASA-TM-104095 ..... 24 p4117 N91-33013* #
NASA-TM-104097 ..... 16 p2550 N91-24129* #
NASA-TM-104098 ..... 23 p3861 N91-31531* #
NASA-TM-104099 ..... 18 p2966 N91-26378* #
NASA-TM-104100 ..... 18 p2966 N91-26377* #
NASA-TM-104101 ..... 19 p3169 N91-27523* #
NASA-TM-104103 ..... 19 p3162 N91-27486* #
NASA-TM-104104 ..... 23 p3886 N91-31687* #
NASA-TM-104105 ..... 23 p3884 N91-31677* #
NASA-TM-104108 ..... 24 p4031 N91-32526* #
NASA-TM-104109 ..... 23 p3781 N91-31082* #
NASA-TM-104110 ..... 19 p3101 N91-27133* #
NASA-TM-104111 ..... 22 p3669 N91-30430* #
NASA-TM-104114 ..... 21 p3607 N91-30068* #
NASA-TM-104116 ..... 19 p3239 N91-27910* #
NASA-TM-104119 ..... 20 p3319 N91-28373* #
NASA-TM-104123 ..... 23 p3871 N91-31595* #
NASA-TM-104124 ..... 23 p3917 N91-31879* #
NASA-TM-104131 ..... 21 p3469 N91-29239* #
NASA-TM-104132 ..... 22 p3643 N91-30275* #
NASA-TM-104137 ..... 22 p3612 N91-30090* #
NASA-TM-104143 ..... 24 p3951 N91-32084* #
NASA-TM-104230 ..... 08 p1242 N91-16847* #
NASA-TM-104232 ..... 14 p2196 N91-22131* #
NASA-TM-104233 ..... 17 p2736 N91-25147* #
NASA-TM-104234 ..... 24 p4090 N91-32850* #
NASA-TM-104235 ..... 22 p3618 N91-30128* #
NASA-TM-104236 ..... 22 p3622 N91-30153* #
NASA-TM-104238 ..... 21 p3460 N91-29191* #
NASA-TM-104239 ..... 22 p3619 N91-30132* #
NASA-TM-104242 ..... 24 p4090 N91-32851* #
NASA-TM-104333 ..... 23 p3797 N91-31178* #
NASA-TM-104334 ..... 13 p2033 N91-21182* #
NASA-TM-104335 ..... 14 p2235 N91-22367* #
NASA-TM-104336 ..... 14 p2271 N91-22568* #
NASA-TM-104337 ..... 14 p2266 N91-22536* #
NASA-TM-104338 ..... 13 p2034 N91-21184* #
NASA-TM-104339 ..... 15 p2441 N91-23521* #
NASA-TM-104340 ..... 13 p2025 N91-21140* #
NASA-TM-104341 ..... 17 p2761 N91-25286* #
NASA-TM-104342 ..... 15 p2426 N91-23439* #
NASA-TM-104343 ..... 22 p3677 N91-30476* #
NASA-TM-104344 ..... 17 p2837 N91-25680* #
NASA-TM-104345 ..... 14 p2279 N91-22604* #
NASA-TM-104346 ..... 24 p3971 N91-32181* #
NASA-TM-104347 ..... 12 p1957 N91-20765* #
NASA-TM-104349 ..... 19 p3114 N91-27204* #
NASA-TM-104350 ..... 15 p2439 N91-23512* #
NASA-TM-104351 ..... 15 p2382 N91-23184* #
NASA-TM-104352 ..... 21 p3528 N91-29599* #
NASA-TM-104353 ..... 14 p2188 N91-22084* #
NASA-TM-104354 ..... 15 p2393 N91-23247* #
NASA-TM-104355 ..... 16 p2648 N91-24660* #
NASA-TM-104356 ..... 15 p2381 N91-23179* #
NASA-TM-104358 ..... 15 p2437 N91-23501* #
NASA-TM-104359 ..... 13 p2020 N91-21115* #
NASA-TM-104360 ..... 20 p3302 N91-28277* #
NASA-TM-104361 ..... 15 p2439 N91-23514* #
NASA-TM-104362 ..... 15 p2365 N91-23086* #
NASA-TM-104363 ..... 15 p2367 N91-23098* #
NASA-TM-104364 ..... 17 p2742 N91-25175* #
NASA-TM-104365 ..... 16 p2589 N91-24345* #
NASA-TM-104366 ..... 15 p2365 N91-23087* #
NASA-TM-104367 ..... 14 p2277 N91-22594* #
NASA-TM-104368 ..... 15 p2422 N91-23416* #
NASA-TM-104369 ..... 14 p2264 N91-22524* #
NASA-TM-104370 ..... 16 p2591 N91-24360* #
NASA-TM-104371 ..... 14 p2272 N91-22571* #
NASA-TM-104372 ..... 18 p2943 N91-26234* #
NASA-TM-104373 ..... 16 p2566 N91-24225* #
NASA-TM-104374 ..... 16 p2673 N91-24796* #
NASA-TM-104375 ..... 14 p2261 N91-22508* #
NASA-TM-104376 ..... 18 p3055 N91-26872* #
NASA-TM-104377 ..... 16 p2546 N91-24107* #
NASA-TM-104378 ..... 24 p4030 N91-32520* #
NASA-TM-104379 ..... 15 p2446 N91-23548* #
NASA-TM-104380 ..... 14 p2310 N91-22766* #
NASA-TM-104381 ..... 17 p2747 N91-25198* #
NASA-TM-104382 ..... 15 p2391 N91-23233* #
NASA-TM-104383 ..... 14 p2237 N91-22376* #
NASA-TM-104384 ..... 14 p2237 N91-22375* #
NASA-TM-104387 ..... 15 p2391 N91-23234* #
NASA-TM-104388 ..... 15 p2437 N91-23500* #
NASA-TM-104389 ..... 15 p2368 N91-23102* #
NASA-TM-104390 ..... 16 p2623 N91-24527* #
NASA-TM-104391 ..... 14 p2197 N91-22135* #
NASA-TM-104392 ..... 15 p2412 N91-23354* #
NASA-TM-104393 ..... 17 p2742 N91-25173* #
NASA-TM-104394 ..... 23 p3880 N91-31648* #
NASA-TM-104395 ..... 22 p3688 N91-30533* #
NASA-TM-104396 ..... 19 p3176 N91-27559* #
NASA-TM-104397 ..... 14 p2272 N91-22570* #
NASA-TM-104398 ..... 14 p2337 N91-22921* #
NASA-TM-104400 ..... 15 p2446 N91-23550* #
NASA-TM-104401 ..... 16 p2568 N91-24232* #
NASA-TM-104402 ..... 15 p2458 N91-23620* #
NASA-TM-104403 ..... 15 p2364 N91-23083* #
NASA-TM-104404 ..... 14 p2320 N91-22814* #
NASA-TM-104405 ..... 15 p2457 N91-23616* #
NASA-TM-104406 ..... 16 p2627 N91-24550* #
NASA-TM-104407 ..... 15 p2365 N91-23089* #
NASA-TM-104408 ..... 22 p3675 N91-30461* #
NASA-TM-104409 ..... 16 p2611 N91-24460* #
NASA-TM-104410 ..... 15 p2516 N91-23946* #
NASA-TM-104411 ..... 15 p2382 N91-23185* #
NASA-TM-104412 ..... 16 p2561 N91-24202* #
NASA-TM-104413 ..... 16 p2623 N91-24525* #
NASA-TM-104414 ..... 16 p2636 N91-24593* #

NASA-TM-104415 ..... 18 p2987 N91-26490* #
NASA-TM-104416 ..... 16 p2591 N91-24361* #
NASA-TM-104417 ..... 17 p2763 N91-25300* #
NASA-TM-104418 ..... 19 p3167 N91-27511* #
NASA-TM-104419 ..... 23 p3917 N91-31876* #
NASA-TM-104420 ..... 15 p2382 N91-23186* #
NASA-TM-104421 ..... 15 p2409 N91-23340* #
NASA-TM-104422 ..... 16 p2613 N91-24469* #
NASA-TM-104423 ..... 16 p2561 N91-24203* #
NASA-TM-104425 ..... 19 p3114 N91-27208* #
NASA-TM-104426 ..... 22 p3676 N91-30469* #
NASA-TM-104428 ..... 17 p2728 N91-25106* #
NASA-TM-104429 ..... 16 p2581 N91-24305* #
NASA-TM-104430 ..... 16 p2580 N91-24302* #
NASA-TM-104431 ..... 17 p2860 N91-25817* #
NASA-TM-104432 ..... 16 p2627 N91-24548* #
NASA-TM-104433 ..... 17 p2840 N91-25696* #
NASA-TM-104434 ..... 17 p2782 N91-25395* #
NASA-TM-104435 ..... 17 p2768 N91-25320* #
NASA-TM-104436 ..... 16 p2550 N91-24131* #
NASA-TM-104437 ..... 16 p2560 N91-24201* #
NASA-TM-104439 ..... 16 p2626 N91-24541* #
NASA-TM-104440 ..... 17 p2739 N91-25161* #
NASA-TM-104441 ..... 23 p3797 N91-31181* #
NASA-TM-104442 ..... 16 p2588 N91-24341* #
NASA-TM-104443 ..... 16 p2614 N91-24470* #
NASA-TM-104444 ..... 16 p2627 N91-24547* #
NASA-TM-104445 ..... 16 p2648 N91-24659* #
NASA-TM-104446 ..... 16 p2665 N91-24745* #
NASA-TM-104447 ..... 17 p2736 N91-25148* #
NASA-TM-104448 ..... 17 p2744 N91-25183* #
NASA-TM-104449 ..... 18 p2922 N91-26122* #
NASA-TM-104451 ..... 17 p2849 N91-25749* #
NASA-TM-104452 ..... 17 p2847 N91-25739* #
NASA-TM-104453 ..... 16 p2700 N91-24952* #
NASA-TM-104454 ..... 17 p2779 N91-25381* #
NASA-TM-104455 ..... 17 p2743 N91-25179* #
NASA-TM-104456 ..... 16 p2581 N91-24304* #
NASA-TM-104458 ..... 17 p2774 N91-25351* #
NASA-TM-104459 ..... 17 p2741 N91-25172* #
NASA-TM-104460 ..... 17 p2743 N91-25182* #
NASA-TM-104461 ..... 19 p3237 N91-27901* #
NASA-TM-104462 ..... 16 p2627 N91-24549* #
NASA-TM-104463 ..... 16 p2672 N91-24787* #
NASA-TM-104464 ..... 16 p2591 N91-24359* #
NASA-TM-104465 ..... 17 p2785 N91-25413* #
NASA-TM-104466 ..... 18 p2926 N91-26146* #
NASA-TM-104467 ..... 19 p3161 N91-27477* #
NASA-TM-104468 ..... 22 p3689 N91-30538* #
NASA-TM-104469 ..... 16 p2550 N91-24130* #
NASA-TM-104470 ..... 23 p3807 N91-31235* #
NASA-TM-104471 ..... 19 p3185 N91-27611* #
NASA-TM-104472 ..... 19 p3106 N91-27159* #
NASA-TM-104473 ..... 16 p2580 N91-24303* #
NASA-TM-104474 ..... 17 p2785 N91-25412* #
NASA-TM-104476 ..... 17 p2739 N91-25159* #
NASA-TM-104479 ..... 23 p3881 N91-31654* #
NASA-TM-104481 ..... 17 p2780 N91-25387* #
NASA-TM-104482 ..... 17 p2779 N91-25382* #
NASA-TM-104483 ..... 18 p2922 N91-26121* #
NASA-TM-104484 ..... 16 p2677 N91-24815* #
NASA-TM-104485 ..... 19 p3115 N91-27209* #
NASA-TM-104486 ..... 17 p2744 N91-25184* #
NASA-TM-104487 ..... 17 p2806 N91-25510* #
NASA-TM-104489 ..... 21 p3468 N91-29235* #
NASA-TM-104490 ..... 19 p3117 N91-27221* #
NASA-TM-104491 ..... 18 p3055 N91-26870* #
NASA-TM-104494 ..... 17 p2791 N91-25442* #
NASA-TM-104495 ..... 22 p3745 N91-30867* #
NASA-TM-104496 ..... 19 p3177 N91-27569* #
NASA-TM-104497 ..... 22 p3644 N91-30282* #
NASA-TM-104499 ..... 19 p3100 N91-27129* #
NASA-TM-104500 ..... 19 p3154 N91-27437* #
NASA-TM-104501 ..... 19 p3167 N91-27510* #
NASA-TM-104502 ..... 21 p3497 N91-29405* #
NASA-TM-104504 ..... 19 p3114 N91-27207* #
NASA-TM-104505 ..... 23 p3804 N91-31218* #
NASA-TM-104507 ..... 24 p3970 N91-32177* #
NASA-TM-104508 ..... 22 p3669 N91-30427* #
NASA-TM-104509 ..... 19 p3156 N91-27447* #
NASA-TM-104510 ..... 18 p2938 N91-26202* #
NASA-TM-104511 ..... 19 p3116 N91-27214* #
NASA-TM-104512 ..... 24 p4039 N91-32569* #
NASA-TM-104513 ..... 22 p3627 N91-30186* #
NASA-TM-104514 ..... 22 p3641 N91-30265* #
NASA-TM-104515 ..... 19 p3114 N91-27206* #
NASA-TM-104516 ..... 19 p3144 N91-27375* #
NASA-TM-104517 ..... 19 p3156 N91-27444* #
NASA-TM-104519 ..... 19 p3181 N91-27591* #
NASA-TM-104520 ..... 21 p3530 N91-29610* #
NASA-TM-104521 ..... 19 p3107 N91-27165* #
NASA-TM-104522 ..... 19 p3169 N91-27521* #
NASA-TM-104523 ..... 19 p3107 N91-27164* #
NASA-TM-104527 ..... 19 p3115 N91-27212* #
NASA-TM-104528 ..... 22 p3770 N91-31023* #
NASA-TM-104529 ..... 19 p3178 N91-27575* #
NASA-TM-104530 ..... 19 p3235 N91-27886* #
NASA-TM-104532 ..... 22 p3631 N91-30202* #
NASA-TM-104533 ..... 23 p3804 N91-31216* #
NASA-TM-104534 ..... 12 p1924 N91-20586* #
NASA-TM-104535 ..... 11 p1716 N91-19449* #
NASA-TM-104536 ..... 11 p1738 N91-19557* #
NASA-TM-104537 ..... 12 p1910 N91-20500* #
NASA-TM-104538 ..... 12 p1926 N91-20598* #
NASA-TM-104539 ..... 13 p2046 N91-21255* #
NASA-TM-104541 ..... 13 p2117 N91-21654* #
NASA-TM-104542 ..... 13 p2117 N91-21653* #
NASA-TM-104544 ..... 22 p3708 N91-30639* #
NASA-TM-104545 ..... 22 p3630 N91-30200* #
NASA-TM-104546 ..... 22 p3710 N91-30646* #
NASA-TM-104735 ..... 16 p2672 N91-24792* #
NASA-TM-104738-VOL-1 ..... 22 p3722 N91-30713* #
NASA-TM-104739 ..... 22 p3762 N91-30970* #
NASA-TM-104740 ..... 24 p4077 N91-32776* #
NASA-TM-104941 ..... 14 p2205 N91-22183* #
NASA-TM-104943 ..... 14 p2279 N91-22605* #
NASA-TM-104946 ..... 14 p2189 N91-22090* #
NASA-TM-104948 ..... 14 p2233 N91-22353* #
NASA-TM-104950 ..... 14 p2338 N91-22928* #
NASA-TM-104951 ..... 14 p2339 N91-22935* #
NASA-TM-104952 ..... 14 p2205 N91-22182* #
NASA-TM-104953 ..... 17 p2786 N91-25416* #
NASA-TM-104956 ..... 14 p2191 N91-22102* #
NASA-TM-104957 ..... 15 p2387 N91-23213* #
NASA-TM-104958 ..... 15 p2388 N91-23214* #
NASA-TM-104962 ..... 17 p2818 N91-25571* #
NASA-TM-104964 ..... 15 p2444 N91-23539* #
NASA-TM-104965 ..... 17 p2890 N91-25975* #
NASA-TM-104977 ..... 18 p3011 N91-26624* #
NASA-TM-104982 ..... 17 p2791 N91-25444* #
NASA-TM-104983 ..... 17 p2791 N91-25445* #
NASA-TM-104985 ..... 16 p2650 N91-24669* #
NASA-TM-105007 ..... 22 p3732 N91-30776* #
NASA-TM-105011 ..... 17 p2887 N91-25960* #
NASA-TM-105018 ..... 19 p3186 N91-27617* #
NASA-TM-105030 ..... 20 p3288 N91-28180* #
NASA-TM-105033 ..... 21 p3462 N91-29201* #
NASA-TM-105034 ..... 22 p3765 N91-30991* #
NASA-TM-105035 ..... 22 p3658 N91-30359* #
NASA-TM-105036 ..... 22 p3629 N91-30194* #
NASA-TM-105037 ..... 23 p3800 N91-31194* #
NASA-TM-105038 ..... 22 p3774 N91-31045* #
NASA-TM-105039 ..... 22 p3726 N91-30739* #
NASA-TM-105040 ..... 22 p3773 N91-31044* #
NASA-TM-105041 ..... 22 p3626 N91-30177* #
NASA-TM-105042 ..... 22 p3778 N91-31075* #
NASA-TM-105043 ..... 22 p3772 N91-31034* #
NASA-TM-105044 ..... 23 p3937 N91-32003* #
NASA-TM-105045 ..... 22 p3772 N91-31033* #
NASA-TM-105047 ..... 22 p3772 N91-31031* #
NASA-TM-105048-VOL-1 ..... 22 p3774 N91-31047* #
NASA-TM-105048-VOL-8 ..... 22 p3774 N91-31048* #
NASA-TM-105049 ..... 22 p3774 N91-31046* #
NASA-TM-105050 ..... 22 p3771 N91-31030* #
NASA-TM-105051 ..... 22 p3777 N91-31069* #
NASA-TM-105052 ..... 22 p3705 N91-30620* #
NASA-TM-105053 ..... 22 p3777 N91-31068* #
NASA-TM-105054 ..... 22 p3726 N91-30740* #
NASA-TM-105055 ..... 22 p3705 N91-30621* #
NASA-TM-105056 ..... 22 p3778 N91-31070* #
NASA-TM-105057 ..... 22 p3773 N91-31040* #
NASA-TM-105058 ..... 22 p3619 N91-30131* #
NASA-TM-105059 ..... 22 p3766 N91-30996* #
NASA-TM-105060 ..... 22 p3773 N91-31039* #
NASA-TM-105061 ..... 22 p3773 N91-31038* #
NASA-TM-105062 ..... 22 p3772 N91-31037* #
NASA-TM-105063 ..... 22 p3766 N91-30995* #
NASA-TM-105064 ..... 22 p3772 N91-31036* #
NASA-TM-105065 ..... 22 p3772 N91-31035* #
NASA-TM-105066 ..... 22 p3723 N91-30720* #
NASA-TM-105067 ..... 22 p3773 N91-31041* #
NASA-TM-105068 ..... 22 p3764 N91-30983* #
NASA-TM-105069 ..... 21 p3605 N91-30060* #
NASA-TM-105070 ..... 22 p3727 N91-30742* #
NASA-TM-105071 ..... 22 p3726 N91-30741* #
NASA-TM-105072 ..... 22 p3774 N91-31049* #
NASA-TM-105073 ..... 22 p3764 N91-30982* #
NASA-TM-105074 ..... 23 p3908 N91-31813* #
NASA-TM-105089 ..... 21 p3465 N91-29213* #
NASA-TM-105090 ..... 20 p3326 N91-28418* #
NASA-TM-105092 ..... 22 p3772 N91-31032* #
NASA-TM-105093 ..... 22 p3629 N91-30191* #
NASA-TM-105094 ..... 22 p3629 N91-30192* #
NASA-TM-105102 ..... 24 p3951 N91-32085* #
NASA-TM-105106 ..... 24 p3978 N91-32225* #
NASA-TM-105137 ..... 22 p3698 N91-30592* #
NASA-TM-105138 ..... 16 p2700 N91-24951* #
NASA-TM-105139 ..... 22 p3677 N91-30473* #
NASA-TM-105140 ..... 21 p3516 N91-29525* #
NASA-TM-105141 ..... 23 p3804 N91-31220* #
NASA-TM-105142 ..... 19 p3156 N91-27445* #
NASA-TM-105144 ..... 21 p3467 N91-29229* #

NASA-TM-105145 ..... 24 p3966 N91-32158* #
NASA-TM-105147 ..... 19 p3105 N91-27157* #
NASA-TM-105148 ..... 22 p3694 N91-30565* #
NASA-TM-105149 ..... 22 p3639 N91-30252* #
NASA-TM-105150 ..... 22 p3689 N91-30537* #
NASA-TM-105151 ..... 19 p3107 N91-27167* #
NASA-TM-105152 ..... 24 p3967 N91-32164* #
NASA-TM-105153 ..... 23 p3803 N91-31212* #
NASA-TM-105155 ..... 22 p3621 N91-30142* #
NASA-TM-105156 ..... 21 p3468 N91-29231* #
NASA-TM-105157 ..... 20 p3389 N91-28776* #
NASA-TM-105158 ..... 19 p3115 N91-27213* #
NASA-TM-105160 ..... 22 p3675 N91-30462* #
NASA-TM-105163 ..... 21 p3460 N91-29188* #
NASA-TM-105164 ..... 20 p3359 N91-28605* #
NASA-TM-105165 ..... 23 p3873 N91-31605* #
NASA-TM-105166 ..... 22 p3644 N91-30281* #
NASA-TM-105167 ..... 21 p3501 N91-29431* #
NASA-TM-105168 ..... 22 p3694 N91-30566* #
NASA-TM-105169 ..... 21 p3452 N91-29150* #
NASA-TM-105170 ..... 21 p3467 N91-29228* #
NASA-TM-105171 ..... 21 p3479 N91-29298* #
NASA-TM-105172 ..... 22 p3680 N91-30491* #
NASA-TM-105173 ..... 21 p3462 N91-29199* #
NASA-TM-105175 ..... 21 p3468 N91-29230* #
NASA-TM-105176 ..... 21 p3458 N91-29181* #
NASA-TM-105177 ..... 22 p3677 N91-30472* #
NASA-TM-105178 ..... 21 p3485 N91-29332* #
NASA-TM-105179 ..... 22 p3744 N91-30865* #
NASA-TM-105180 ..... 21 p3459 N91-29187* #
NASA-TM-105181 ..... 21 p3466 N91-29221* #
NASA-TM-105182 ..... 21 p3528 N91-29600* #
NASA-TM-105183 ..... 22 p3668 N91-30426* #
NASA-TM-105184 ..... 21 p3592 N91-29982* #
NASA-TM-105186 ..... 22 p3620 N91-30141* #
NASA-TM-105187 ..... 22 p3624 N91-30163* #
NASA-TM-105188 ..... 21 p3497 N91-29404* #
NASA-TM-105190 ..... 21 p3466 N91-29220* #
NASA-TM-105191 ..... 20 p3331 N91-28449* #
NASA-TM-105195 ..... 21 p3466 N91-29222* #
NASA-TM-105196 ..... 20 p3448 N91-29138* #
NASA-TM-105197 ..... 20 p3347 N91-28538* #
NASA-TM-105200 ..... 24 p4083 N91-32806* #
NASA-TM-105201 ..... 24 p4014 N91-32440* #
NASA-TM-105202 ..... 22 p3641 N91-30266* #
NASA-TM-105203 ..... 23 p3922 N91-31911* #
NASA-TM-105204 ..... 22 p3688 N91-30532* #
NASA-TM-105205 ..... 24 p4008 N91-32412* #
NASA-TM-105208 ..... 24 p4017 N91-32458* #
NASA-TM-105209 ..... 24 p4017 N91-32459* #
NASA-TM-105210 ..... 23 p3785 N91-31106* #
NASA-TM-105216 ..... 24 p4123 N91-33046* #
NASA-TM-105217 ..... 22 p3642 N91-30267* #
NASA-TM-105220 ..... 23 p3932 N91-31977* #
NASA-TM-105222 ..... 23 p3804 N91-31217* #
NASA-TM-105223 ..... 24 p3949 N91-32075* #
NASA-TM-105224 ..... 23 p3800 N91-31196* #
NASA-TM-105225 ..... 24 p3949 N91-32074* #
NASA-TM-105228 ..... 24 p3968 N91-32165* #
NASA-TM-105229 ..... 23 p3890 N91-31708* #
NASA-TM-105230 ..... 24 p3971 N91-32182* #
NASA-TM-105235 ..... 24 p3967 N91-32163* #
NASA-TM-105237 ..... 23 p3871 N91-31597* #
NASA-TM-105238 ..... 24 p4017 N91-32460* #
NASA-TM-105239 ..... 24 p3983 N91-32247* #
NASA-TM-105242 ..... 24 p3967 N91-32162* #
NASA-TM-105248 ..... 24 p4008 N91-32410* #
NASA-TM-105254 ..... 24 p3962 N91-32143* #
NASA-TM-105256 ..... 24 p3967 N91-32161* #
NASA-TM-105263 ..... 23 p3821 N91-31318* #
NASA-TM-105275 ..... 24 p3989 N91-32287* #
NASA-TM-105280 ..... 24 p3977 N91-32215* #
NASA-TM-105282 ..... 24 p3975 N91-32204* #
NASA-TM-105292 ..... 24 p3977 N91-32216* #
NASA-TM-105293 ..... 24 p4118 N91-33014* #

NASA-TN-D-7362 ..... 06 p0804 N91-14437* #
NASA-TN-D-8008 ..... 06 p0804 N91-14437* #

NASA-TP-2375 ..... 01 p0002 N91-10007* #
NASA-TP-2640 ..... 06 p0778 N91-14316* #
NASA-TP-2888 ..... 16 p2560 N91-24199* #
NASA-TP-2922 ..... 20 p3281 N91-28143* #
NASA-TP-2983 ..... 09 p1276 N91-17014* #
NASA-TP-2995 ..... 11 p1642 N91-19058* #
NASA-TP-2997 ..... 10 p1456 N91-18030* #
NASA-TP-3010 ..... 05 p0674 N91-13750* #
NASA-TP-3015 ..... 03 p0414 N91-12315* #
NASA-TP-3020 ..... 11 p1791 N91-19824* #
NASA-TP-3022 ..... 01 p0013 N91-10079* #
NASA-TP-3025 ..... 10 p1456 N91-18031* #
NASA-TP-3026 ..... 05 p0714 N91-13985* #
NASA-TP-3032 ..... 11 p1639 N91-19042* #
NASA-TP-3033 ..... 06 p0835 N91-14618* #
NASA-TP-3034 ..... 05 p0630 N91-13492* #
NASA-TP-3035 ..... 05 p0613 N91-13401* #
NASA-TP-3040 ..... 13 p2147 N91-21828* #
NASA-TP-3041 ..... 09 p1296 N91-17114* #
NASA-TP-3043 ..... 11 p1765 N91-19711* #
NASA-TP-3044 ..... 05 p0635 N91-13522* #
NASA-TP-3045 ..... 06 p0780 N91-14323* #
NASA-TP-3046 ..... 02 p0155 N91-10902* #
NASA-TP-3047 ..... 05 p0613 N91-13402* #
NASA-TP-3048 ..... 09 p1271 N91-16990* #
NASA-TP-3049 ..... 05 p0625 N91-13461* #
NASA-TP-3050 ..... 10 p1457 N91-18032* #
NASA-TP-3051 ..... 17 p2737 N91-25151* #
NASA-TP-3052 ..... 07 p1002 N91-15499* #
NASA-TP-3053 ..... 11 p1790 N91-19823* #
NASA-TP-3054 ..... 02 p0186 N91-11041* #
NASA-TP-3055 ..... 08 p1268 N91-16981* #
NASA-TP-3056 ..... 01 p0056 N91-10328* #
NASA-TP-3057 ..... 08 p1213 N91-16679* #
NASA-TP-3058 ..... 01 p0015 N91-10092* #
NASA-TP-3059 ..... 10 p1484 N91-18180* #
NASA-TP-3060 ..... 14 p2185 N91-22069* #
NASA-TP-3061 ..... 09 p1331 N91-17310* #
NASA-TP-3062 ..... 03 p0324 N91-11800* #
NASA-TP-3063 ..... 04 p0533 N91-12956* #
NASA-TP-3064 ..... 10 p1493 N91-18216* #
NASA-TP-3065 ..... 07 p0967 N91-15308* #
NASA-TP-3066 ..... 09 p1313 N91-17208* #
NASA-TP-3067 ..... 12 p1852 N91-20177* #
NASA-TP-3068 ..... 10 p1522 N91-18381* #
NASA-TP-3069 ..... 10 p1588 N91-18753* #
NASA-TP-3070 ..... 12 p1827 N91-20043* #
NASA-TP-3071 ..... 10 p1492 N91-18215* #
NASA-TP-3072 ..... 12 p1842 N91-20128* #
NASA-TP-3073 ..... 14 p2274 N91-22576* #
NASA-TP-3074 ..... 14 p2266 N91-22538* #
NASA-TP-3075 ..... 08 p1165 N91-16413* #
NASA-TP-3077 ..... 13 p2023 N91-21127* #
NASA-TP-3078 ..... 13 p2034 N91-21185* #
NASA-TP-3079 ..... 09 p1450 N91-17999* #
NASA-TP-3080 ..... 11 p1642 N91-19057* #
NASA-TP-3081 ..... 19 p3154 N91-27436* #
NASA-TP-3082 ..... 17 p2829 N91-25624* #
NASA-TP-3083 ..... 19 p3110 N91-27180* #
NASA-TP-3084 ..... 13 p2099 N91-21556* #
NASA-TP-3085 ..... 13 p2011 N91-21059* #
NASA-TP-3086 ..... 14 p2185 N91-22070* #
NASA-TP-3087 ..... 14 p2224 N91-22302* #
NASA-TP-3088 ..... 19 p3110 N91-27182* #
NASA-TP-3089 ..... 17 p2848 N91-25741* #
NASA-TP-3090 ..... 12 p1910 N91-20503* #
NASA-TP-3092 ..... 17 p2727 N91-25103* #
NASA-TP-3093 ..... 14 p2354 N91-23017* #
NASA-TP-3098 ..... 17 p2918 N91-26107* #
NASA-TP-3099 ..... 19 p3099 N91-27124* #
NASA-TP-3100 ..... 14 p2261 N91-22509* #
NASA-TP-3107 ..... 16 p2626 N91-24542* #
NASA-TP-3108 ..... 13 p2044 N91-21242* #
NASA-TP-3109 ..... 12 p1868 N91-20266* #
NASA-TP-3113 ..... 19 p3102 N91-27140* #
NASA-TP-3118 ..... 17 p2774 N91-25352* #
NASA-TP-3120 ..... 18 p2921 N91-26113* #
NASA-TP-3123 ..... 17 p2829 N91-25629* #
NASA-TP-3128 ..... 21 p3482 N91-29318* #
NASA-TP-3133 ..... 22 p3613 N91-30098* #
NASA-TP-3135 ..... 23 p3791 N91-31143* #
NASA-TP-3137 ..... 22 p3776 N91-31061* #
NASA-TP-3139 ..... 21 p3464 N91-29209* #
NASA-TP-3142 ..... 20 p3280 N91-28136* #
NASA-TP-3152 ..... 22 p3689 N91-30540* #
NASA-TP-3154 ..... 22 p3623 N91-30154* #
NASA-TP-3155 ..... 22 p3651 N91-30318* #

NASA-90-002 ..... 03 p0350 N91-11953* #
NASA-90-004 ..... 03 p0399 N91-12220* #
NASA-91-001 ..... 14 p2258 N91-22487* #
NASA-91-002 ..... 22 p3727 N91-30747* #
NASA-91-003 ..... 24 p3989 N91-32288* #

NASA/NSTL/ERL-234 ..... 02 p0228 N91-11276* #

NAT-S-324 ..... 19 p3185 N91-27612 #

NATICK/TR-89/044 ..... 03 p0395 N91-12196 #
NATICK/TR-90/032-PT-1 ..... 03 p0395 N91-12194 #
NATICK/TR-90/033 ..... 04 p0551 N91-13055 #
NATICK/TR-90/034 ..... 04 p0551 N91-13056 #
NATICK/TR-90/035 ..... 04 p0551 N91-13057 #
NATICK/TR-90/036 ..... 04 p0551 N91-13058 #
NATICK/TR-90/043 ..... 03 p0418 N91-12338 #
NATICK/TR-91/002 ..... 13 p2129 N91-21721 #
NATICK/TR-91/004 ..... 12 p1955 N91-20754 #
NATICK/TR-91/006 ..... 12 p1933 N91-20636 #
NATICK/TR-91/010 ..... 13 p2024 N91-21133 #
NATICK/TR-91/012 ..... 14 p2327 N91-22854 #
NATICK/TR-91/017 ..... 18 p3035 N91-26752 #
NATICK/TR-91/023 ..... 18 p3029 N91-26722 #
NATICK/TR-91/025 ..... 18 p2964 N91-26360 #

NATICK/TR-91/027 ..... 19 p3175 N91-27552 #

NATICK/TR/90/054 ..... 24 p4077 N91-32775 #

NAVAIR-50-1C-VOL-1 ..... 08 p1176 N91-16476 #
NAVAIR-50-1C-VOL-2 ..... 08 p1177 N91-16477 #
NAVAIR-50-1C-VOL-3 ..... 08 p1177 N91-16478 #
NAVAIR-50-1C-VOL-4 ..... 08 p1177 N91-16479 #
NAVAIR-50-1C-VOL-7 ..... 08 p1177 N91-16480 #
NAVAIR-50-1C-VOL-10 ..... 08 p1177 N91-16481 #
NAVAIR-50-1C-5 ..... 16 p2659 N91-24711 #
NAVAIR-50-1C-6 ..... 17 p2812 N91-25543 #
NAVAIR-50-1C-8 ..... 17 p2812 N91-25544 #
NAVAIR-50-1C-9 ..... 17 p2813 N91-25545 #
NAVAIR-50-1C-11 ..... 17 p2813 N91-25546 #
NAVAIR-50-1C-12 ..... 17 p2813 N91-25547 #

NAVSWC-MP-90-409 ..... 21 p3541 N91-29672 #

NAVSWC-TR-90-180 ..... 21 p3505 N91-29453 #
NAVSWC-TR-90-236 ..... 21 p3475 N91-29271 #
NAVSWC-TR-90-248 ..... 09 p1374 N91-17549 #
NAVSWC-TR-90-268 ..... 12 p1977 N91-20876 #
NAVSWC-TR-90-418 ..... 21 p3563 N91-29807 #
NAVSWC-TR-90-513 ..... 12 p1970 N91-20839 #

NAVY-CASE-68108 ..... 07 p1009 N91-15541 #
NAVY-CASE-70053 ..... 09 p1398 N91-17696 #
NAVY-CASE-71636 ..... 05 p0668 N91-13711 #
NAVY-CASE-71641 ..... 10 p1591 N91-18771 #
NAVY-CASE-71820 ..... 10 p1502 N91-18264 #
NAVY-CASE-72146 ..... 06 p0872 N91-14821 #
NAVY-CASE-72302 ..... 09 p1374 N91-17548 #
NAVY-CASE-72449 ..... 05 p0698 N91-13886 #
NAVY-CASE-72676 ..... 06 p0872 N91-14822 #
NAVY-CASE-72787 ..... 05 p0669 N91-13716 #
NAVY-CASE-72941 ..... 10 p1502 N91-18263 #

NBDL-89R001 ..... 15 p2475 N91-23709 #
NBDL-89R006 ..... 18 p3020 N91-26674 #
NBDL-90R004 ..... 13 p2127 N91-21706 #
NBDL-90R005 ..... 09 p1372 N91-17539 #
NBDL-90R007 ..... 15 p2478 N91-23721 #

NCAR/CT-124 ..... 01 p0141 N91-10828 #
NCAR/CT-128 ..... 02 p0235 N91-11313 #

NCAR/TN-345+STR ..... 13 p2120 N91-21669 #
NCAR/TN-346+STR ..... 02 p0294 N91-11649* #
NCAR/TN-350+STR ..... 02 p0239 N91-11336 #
NCAR/TN-351+PPR ..... 02 p0235 N91-11314 #
NCAR/TN-352+STR ..... 09 p1449 N91-17996 #
NCAR/TN-353+PROC ..... 19 p3217 N91-27779 #
NCAR/TN-354+STR ..... 13 p2028 N91-21154 #
NCAR/TN-357+STR ..... 19 p3232 N91-27866 #
NCAR/TN-358+STR ..... 19 p3201 N91-27693 #
NCAR/TN-359+STR ..... 24 p3960 N91-32133 #

NCCCS-89-2 ..... 09 p1369 N91-17524 #
NCCCS-89-5 ..... 09 p1369 N91-17523 #

NCEER-90-0005 ..... 02 p0235 N91-11315 #

NCEL-CR-90.005 ..... 03 p0349 N91-11947 #
NCEL-CR-90.016 ..... 08 p1203 N91-16614 #

NCEL-N-1812 ..... 04 p0564 N91-13131 #
NCEL-N-1817 ..... 12 p1913 N91-20521 #

NCEL-R-931 ..... 18 p2995 N91-26540 #

NCEL-TN-1813 ..... 03 p0317 N91-11776 #
NCEL-TN-1825 ..... 18 p2972 N91-26406 #
NCEL-TN-1829 ..... 19 p3174 N91-27551 #
NCEL-TN-1830 ..... 19 p3187 N91-27622 #
NCEL-TN-1831 ..... 21 p3488 N91-29356 #

NCHRP-334 ..... 22 p3766 N91-30993 #

NCPA-LC-3-1989 ..... 13 p2149 N91-21840 #
NCPA-LC-02-90 ..... 12 p1895 N91-20423 #

NCS-TIB-90-10 ..... 12 p1882 N91-20347 #
NCS-TIB-90-11 ..... 12 p1883 N91-20352 #
NCS-TIB-90-12 ..... 23 p3915 N91-31860 #

NCTRF-180 ..... 15 p2477 N91-23717 #
NCTRF-184 ..... 20 p3381 N91-28731 #
NCTRF-185 ..... 19 p3215 N91-27770 #

NDP-035 ..... 21 p3542 N91-29682 #
NDP-038 ..... 21 p3539 N91-29664 #

NDRL-3345 ..... 11 p1794 N91-19843 #

NEANDC(J)-146/U ..... 17 p2861 N91-25820 #
NEANDC(J)-147/U ..... 17 p2861 N91-25822 #
NEANDC(J)-148/U ..... 17 p2861 N91-25821 #
NEANDC(J)-149/U ..... 17 p2887 N91-25961 #

NEAR-TR-418 ..... 13 p2021 N91-21120 #
NEAR-TR-420 ..... 16 p2657 N91-24700 #
NEAR-TR-421 ..... 18 p2922 N91-26119 #

NEDO-P-2950 ..... 02 p0285 N91-11602 #
NEDO-P-8912 ..... 01 p0064 N91-10387 #
NEDO-P-8919 ..... 02 p0194 N91-11087 #
NEDO-P-8927 ..... 02 p0231 N91-11293 #
NEDO-P-8932 ..... 19 p3144 N91-27374 #
NEDO-P-8951 ..... 02 p0202 N91-11129 #
NEDO-P-8953 ..... 02 p0202 N91-11130 #

NEMO-8 ..... 02 p0205 N91-11146 #

NEPRF-PR-90-016-442 ..... 13 p2122 N91-21677 #
NEPRF-PR-90-050-431 ..... 13 p2122 N91-21676 #

NESDIS-53 ..... 06 p0931 N91-15118 #

NESIDS-31 ..... 08 p1103 N91-16055 #
NESIDS-54 ..... 06 p0840 N91-14641 #

NHB-2410.9 ..... 19 p3262 N91-28043* #

NHRC-90-17 ..... 12 p1929 N91-20615 #
NHRC-90-21 ..... 12 p1933 N91-20637 #
NHRC-90-23 ..... 18 p3035 N91-26755 #
NHRC-90-29 ..... 23 p3900 N91-31770 #
NHRC-90-41 ..... 18 p3028 N91-26718 #
NHRC-90-43 ..... 18 p3028 N91-26717 #

NIAR-90-14 ..... 13 p2101 N91-21563 #
NIAR-90-19 ..... 07 p0940 N91-15153 #
NIAR-90-21 ..... 11 p1639 N91-19040 #
NIAR-90-22 ..... 07 p1012 N91-15557 #
NIAR-90-23 ..... 07 p1012 N91-15558 #
NIAR-90-24 ..... 07 p0972 N91-15335 #
NIAR-90-25 ..... 09 p1312 N91-17200 #
NIAR-90-26 ..... 08 p1120 N91-16153 #
NIAR-90-27 ..... 07 p1012 N91-15559 #
NIAR-90-28 ..... 09 p1317 N91-17233 #
NIAR-90-29 ..... 07 p1020 N91-15601 #
NIAR-90-30 ..... 07 p0972 N91-15336 #
NIAR-90-31 ..... 07 p1077 N91-15928 #
NIAR-90-32 ..... 16 p2554 N91-24157 #
NIAR-90-33 ..... 14 p2241 N91-22401 #
NIAR-91-1 ..... 10 p1453 N91-18004 #
NIAR-91-2 ..... 07 p0983 N91-15394 #
NIAR-91-3 ..... 16 p2543 N91-24087 #
NIAR-91-4-PT-1 ..... 14 p2251 N91-22453 #
NIAR-91-5 ..... 14 p2247 N91-22431 #
NIAR-91-6-PT-1 ..... 16 p2603 N91-24424 #
NIAR-91-7-PT-2 ..... 16 p2604 N91-24425 #
NIAR-91-8 ..... 14 p2247 N91-22430 #
NIAR-91-9 ..... 14 p2246 N91-22429 #
NIAR-91-10 ..... 14 p2246 N91-22428 #
NIAR-91-11 ..... 14 p2190 N91-22098 #
NIAR-91-12 ..... 14 p2246 N91-22427 #
NIAR-91-16 ..... 21 p3469 N91-29241 #
NIAR-91-18 ..... 21 p3602 N91-30042 #
NIAR-91-19 ..... 17 p2783 N91-25401 #
NIAR-91-20 ..... 22 p3690 N91-30544 #
NIAR-91-21 ..... 21 p3473 N91-29263 #
NIAR-91-22 ..... 22 p3762 N91-30971 #
NIAR-91-23 ..... 21 p3592 N91-29981 #
NIAR-91-25 ..... 22 p3770 N91-31020 #

NIFS-DATA-4 ..... 11 p1796 N91-19852 #

NIFS-PROC-1 ..... 10 p1596 N91-18809 #
NIFS-PROC-2 ..... 09 p1400 N91-17708 #
NIFS-PROC-5 ..... 11 p1800 N91-19882 #
NIFS-PROC-6 ..... 20 p3406 N91-28881 #
NIFS-PROC-7 ..... 19 p3248 N91-27962 #

NIFS-10 ..... 04 p0584 N91-13258 #
NIFS-11 ..... 04 p0584 N91-13257 #
NIFS-14 ..... 04 p0584 N91-13256 #
NIFS-15 ..... 04 p0583 N91-13255 #
NIFS-19 ..... 24 p4101 N91-32913 #
NIFS-26 ..... 24 p4108 N91-32956 #
NIFS-27 ..... 24 p4108 N91-32955 #
NIFS-28 ..... 24 p4108 N91-32954 #
NIFS-33 ..... 01 p0127 N91-10752 #
NIFS-34 ..... 01 p0127 N91-10750 #
NIFS-35 ..... 01 p0127 N91-10751 #
NIFS-36 ..... 02 p0273 N91-11532 #
NIFS-37 ..... 01 p0127 N91-10749 #
NIFS-60 ..... 10 p1602 N91-18838 #
NIFS-61 ..... 10 p1602 N91-18839 #
NIFS-62 ..... 10 p1590 N91-18765 #
NIFS-63 ..... 10 p1593 N91-18785 #

NIFS-64	10	p1603	N91-18840	#
NIFS-65	10	p1603	N91-18841	#
NIFS-66	10	p1603	N91-18842	#
NIFS-67	10	p1603	N91-18843	#
NIFS-68	10	p1603	N91-18844	#
NIFS-69	11	p1802	N91-19894	#
NIFS-70	13	p2157	N91-21891	#
NIFS-71	13	p2157	N91-21892	#
NIFS-72	13	p2157	N91-21893	#
NIFS-73	13	p2157	N91-21894	#
NIFS-74	12	p1985	N91-20922	#
NIFS-75	19	p3247	N91-27958	#
NIFS-76	17	p2866	N91-25848	#
NIFS-77	17	p2866	N91-25849	#
NIFS-78	17	p2866	N91-25850	#
NIFS-79	17	p2865	N91-25847	#
NIFS-80	17	p2865	N91-25846	#
NIFS-81	18	p3066	N91-26937	#
NIFS-82	17	p2865	N91-25845	#
NIFS-84	24	p4108	N91-32957	#
NIFS-91	24	p4104	N91-32929	#
NIFS-92	24	p4104	N91-32930	#
NIFS-93	24	p4104	N91-32931	#
NIFS-96	24	p4104	N91-32932	#
NIFS-97	24	p4104	N91-32933	#
NIFS-98	24	p4104	N91-32934	#
NIFS-99	24	p4043	N91-32592	#
NIIYAF-MGU-89-4/81	12	p1922	N91-20573	#
NIIYAF-MGU-89-16/93	11	p1818	N91-19987	#
NIIYAF-MGU-89-23/100	11	p1738	N91-19559	#
NIIYAF-MGU-89-28/105	11	p1823	N91-20016	#
NIIYAF-MGU-89-29/106	11	p1823	N91-20020	#
NIIYAF-MGU-89-34/111	13	p2164	N91-21936	#
NIIYAF-MGU-89-60/137	13	p2164	N91-21937	#
NIIYAF-MGU-89-65/142	11	p1823	N91-20021	#
NIIYAF-MGU-90-4/150	13	p2146	N91-21822	#
NIKHEF-H/89-12	04	p0579	N91-13223	#
NIKHEF-H/90-4	04	p0582	N91-13244	#
NIKHEF-H/90-5	04	p0574	N91-13188	#
NIKHEF-H/90-6	04	p0574	N91-13189	#
NIKHEF-H/90-7	04	p0574	N91-13190	#
NIKHEF-H/90-10	14	p2324	N91-22834	#
NIKHEF-H/90-11	14	p2267	N91-22546	#
NIKHEF-H/90-12	14	p2324	N91-22835	#
NIKHEF-H/90-13	14	p2268	N91-22548	#
NIKHEF-H/90-14	14	p2322	N91-22826	#
NIKHEF-H/90-15	14	p2308	N91-22754	#
NIKHEF-H/90-16	14	p2324	N91-22836	#
NIKHEF-H/90-17-PT-3	14	p2327	N91-22855	#
NIKHEF-H/90-19	14	p2324	N91-22837	#
NIKHEF-H/90-20	14	p2324	N91-22838	#
NIKHEF-H/90-23	14	p2324	N91-22839	#
NIKHEF-H/91-04	14	p2337	N91-22923	#
NIKHEF-K/AMPS/90-01	05	p0626	N91-13471	#
NIKHEF-K/AMPS/91-01	24	p4101	N91-32914	#
NIKHEF-K/AMPS/91-04	23	p3927	N91-31943	#
NIKHEF-K/AMPS/91-05	22	p3671	N91-30439	#
NIOZ-1990-4	19	p3206	N91-27720	#
NIOZ-1990-6	17	p2815	N91-25559	#
NIPER-422	01	p0134	N91-10791	#
NIPER-488	12	p1877	N91-20315	#
NIST-BSS-169	04	p0534	N91-12963	#
NIST-TR-3	19	p3246	N91-27954	#
NIST-855-05-91-34	23	p3808	N91-31242	#
NIST/GCR-90/574	01	p0033	N91-10193	#
NIST/GCR-90/582	19	p3146	N91-27386	#
NIST/GCR-90/586	17	p2756	N91-25252	#
NIST/SP-250/40	18	p3058	N91-26890	#
NIST/SP-260	01	p0020	N91-10120	#
NIST/SP-400/86	09	p1410	N91-17762	#
NIST/SP-400/87	14	p2330	N91-22872	#
NIST/SP-500/185	21	p3604	N91-30054	#
NIST/SP-559-REV-1	09	p1394	N91-17669	#
NIST/SP-783	01	p0135	N91-10800	#
NIST/SP-790-VOL-1	17	p2884	N91-25943	#
NIST/SP-790-VOL-2	18	p3076	N91-26997	#
NIST/SP-792	16	p2688	N91-24879	#
NIST/SP-793	14	p2322	N91-22823	#
NIST/SP-797	19	p3260	N91-28030	#
NIST/SP-799	09	p1421	N91-17823	#
NIST/SP-801	19	p3170	N91-27527	#
NIST/SP-802	21	p3471	N91-29251	#
NIST/SP-803	17	p2884	N91-25942	#
NIST/SP-804	20	p3324	N91-28403*	#
NIST/SP-807	20	p3324	N91-28404	#
NIST/TN-1265	16	p2680	N91-24838	#
NIST/TN-1270	01	p0039	N91-10231	#
NIST/TN-1280	09	p1425	N91-17844	#
NIST/TN-1281	09	p1326	N91-17281	#
NIST/TN-1337	14	p2266	N91-22539	#
NIST/TN-1341	20	p3337	N91-28482	#
NIST/TN-1347	21	p3501	N91-29432	#
NISTIR-88/3896	14	p2340	N91-22936	#
NISTIR-89/3916	02	p0253	N91-11405	#
NISTIR-90/3936	16	p2613	N91-24465	#
NISTIR-90/3937	02	p0216	N91-11207	#
NISTIR-90/3938	09	p1326	N91-17280	#
NISTIR-90/4266	09	p1313	N91-17207	#
NISTIR-90/4281	04	p0611	N91-13395	#
NISTIR-90/4296	02	p0205	N91-11145	#
NISTIR-90/4389	09	p1312	N91-17202	#
NISTIR-3941	09	p1333	N91-17320*	#
NISTIR-3942-VOL-1	09	p1314	N91-17211	#
NISTIR-3943	14	p2245	N91-22422	#
NISTIR-3944	09	p1406	N91-17737	#
NISTIR-3945	14	p2258	N91-22488	#
NISTIR-3946	14	p2258	N91-22489	#
NISTIR-3947	17	p2755	N91-25250*	#
NISTIR-3948	16	p2604	N91-24431	#
NISTIR-3950	15	p2441	N91-23523	#
NISTIR-3952	15	p2442	N91-23524	#
NISTIR-3954	16	p2617	N91-24488	#
NISTIR-3955	16	p2616	N91-24484	#
NISTIR-3959	19	p3166	N91-27506*	#
NISTIR-3960	22	p3690	N91-30545	#
NISTIR-3961	22	p3648	N91-30305*	#
NISTIR-3965	21	p3516	N91-29527*	#
NISTIR-4321	02	p0258	N91-11435	#
NISTIR-4326	19	p3128	N91-27283	#
NISTIR-4340	02	p0258	N91-11436	#
NISTIR-4352	02	p0276	N91-11555*	#
NISTIR-4355	02	p0258	N91-11437	#
NISTIR-4368	04	p0517	N91-12876	#
NISTIR-4370	02	p0262	N91-11464	#
NISTIR-4371	09	p1371	N91-17536	#
NISTIR-4378	09	p1421	N91-17825	#
NISTIR-4390	09	p1395	N91-17677	#
NISTIR-4394	17	p2761	N91-25284	#
NISTIR-4396	17	p2763	N91-25297	#
NISTIR-4397	16	p2599	N91-24403	#
NISTIR-4399	09	p1275	N91-17006	#
NISTIR-4403	09	p1307	N91-17174	#
NISTIR-4404	09	p1421	N91-17822	#
NISTIR-4414	09	p1410	N91-17757	#
NISTIR-4422	09	p1300	N91-17136	#
NISTIR-4423	09	p1326	N91-17282	#
NISTIR-4450	12	p1954	N91-20746	#
NISTIR-4455	19	p3135	N91-27322	#
NISTIR-4461	16	p2604	N91-24427	#
NISTIR-4463	17	p2782	N91-25393	#
NISTIR-4470	16	p2666	N91-24747	#
NISTIR-4478	19	p3177	N91-27565*	#
NISTIR-4482	17	p2773	N91-25350	#
NISTIR-4488	18	p3076	N91-27000	#
NISTIR-4496	18	p2977	N91-26437	#
NISTIR-4501	19	p3182	N91-27596	#
NISTIR-4503	17	p2889	N91-25971	#
NISTIR-4506	19	p3243	N91-27937	#
NISTIR-4510	19	p3177	N91-27567	#
NISTIR-4518	19	p3262	N91-28043*	#
NISTIR-4531	19	p3182	N91-27595	#
NISTIR-4537	21	p3508	N91-29476	#
NISTIR-4538	21	p3495	N91-29391	#
NISTIR-4540	20	p3342	N91-28507	#
NISTIR-4550	22	p3753	N91-30918	#
NISTIR-4552	19	p3121	N91-27245	#
NISTIR-4553	21	p3571	N91-29858	#
NISTIR-4554	22	p3744	N91-30863	#
NISTIR-4555	22	p3749	N91-30898	#
NISTIR-4556	19	p3231	N91-27865	#
NISTIR-4557	19	p3231	N91-27864	#
NISTIR-4560	19	p3212	N91-27757	#
NISTIR-4567	22	p3727	N91-30746	#
NISTIR-4577	22	p3749	N91-30897	#
NISTIR-4591	17	p2740	N91-25165*	#
NLR-MP-88025-U	22	p3680	N91-30494	#
NLR-MP-88034-U	22	p3619	N91-30135	#
NLR-MP-88048-U	22	p3733	N91-30788	#
NLR-MP-88050-U	23	p3815	N91-31282	#
NLR-MP-88051-U	22	p3621	N91-30143	#
NLR-MP-88053-U	23	p3789	N91-31133	#
NLR-MP-88054-U	23	p3782	N91-31084	#
NLR-MP-88056-U	23	p3787	N91-31119	#
NLR-MP-88059-U	23	p3868	N91-31578	#
NLR-TP-89009-U	04	p0476	N91-12659	#
NLR-TP-89019-U	22	p3695	N91-30573	#
NLR-TP-89025-U	22	p3768	N91-31012	#
NLR-TP-89026-U	22	p3733	N91-30785	#

NLR-TP-89027-U ..... 22 p3733 N91-30786 #
NLR-TP-89028-U ..... 22 p3733 N91-30787 #
NLR-TP-89029-U ..... 22 p3679 N91-30484 #
NLR-TP-89031-U ..... 23 p3917 N91-31878 #
NLR-TP-89032-U ..... 22 p3646 N91-30291 #
NLR-TP-89041-U ..... 22 p3679 N91-30485 #
NLR-TP-89043-U ..... 22 p3748 N91-30890 #
NLR-TP-89084-U ..... 22 p3623 N91-30155 #
NLR-TP-89085-U ..... 22 p3654 N91-30339 #
NLR-TP-89097-U ..... 04 p0479 N91-12674 #
NLR-TP-89146-U ..... 23 p3789 N91-31131 #
NLR-TP-89169-U ..... 22 p3765 N91-30986 #
NLR-TP-89184-U ..... 04 p0480 N91-12675 #
NLR-TP-89222-U ..... 22 p3619 N91-30134 #
NLR-TP-89293-U ..... 22 p3689 N91-30542 #
NLR-TP-89352-U ..... 22 p3630 N91-30199 #
NLR-TP-89360-U ..... 23 p3781 N91-31081 #
NLR-TP-90039-U ..... 14 p2321 N91-22818 #
NLR-TP-90155-U ..... 22 p3679 N91-30486 #

NLR-TR-88001-U ..... 23 p3869 N91-31579 #
NLR-TR-88109-U ..... 14 p2278 N91-22599 #

NMERI-WA3-78-(3.21) ..... 06 p0816 N91-14510 #
NMERI-WA3-79-(3.21) ..... 12 p1880 N91-20333 #

NMRDI-2-76-5622 ..... 23 p3786 N91-31114 #
NMRDI-2-78-5202/II ..... 09 p1355 N91-17443 #

NMRI-90-52 ..... 04 p0552 N91-13064 #
NMRI-90-63 ..... 06 p0852 N91-14705 #
NMRI-90-87 ..... 09 p1371 N91-17534 #
NMRI-90-116 ..... 18 p3020 N91-26673 #
NMRI-90-132 ..... 18 p3028 N91-26715 #
NMRI-90-133 ..... 18 p3027 N91-26711 #
NMRI-90-135 ..... 18 p3027 N91-26710 #
NMRI-90-138 ..... 21 p3476 N91-29278 #
NMRI-91-09 ..... 18 p3027 N91-26709 #
NMRI-91-26 ..... 19 p3212 N91-27755 #
NMRI-91-39 ..... 23 p3900 N91-31769 #

NOAA-DR-ERL-AOML-18 ..... 13 p2123 N91-21685 #
NOAA-DR-ERL-AOML-20 ..... 19 p3203 N91-27707 #

NOAA-DR-ERL-CMDL-4 ..... 04 p0544 N91-13018 #
NOAA-DR-ERL-CMDL-5 ..... 02 p0233 N91-11302 #
NOAA-DR-ERL-CMDL-6 ..... 14 p2268 N91-22549 #
NOAA-DR-ERL-CMDL-7 ..... 19 p3203 N91-27706 #

NOAA-DR-ERL-PMEL-27 ..... 19 p3206 N91-27721 #
NOAA-DR-ERL-PMEL-29 ..... 21 p3546 N91-29705 #

NOAA-NESDIS-27 ..... 01 p0074 N91-10446 #
NOAA-NESDIS-34 ..... 22 p3696 N91-30576 #

NOAA-NWS-WRCP-62 ..... 24 p4086 N91-32831 #

NOAA-TM-ERL-ARL-186 ..... 13 p2120 N91-21667 #

NOAA-TM-ERL-CMDL-2 ..... 13 p2112 N91-21626 #

NOAA-TM-ERL-NSSL-101 ..... 05 p0689 N91-13834 #

NOAA-TM-ERL-SEL-81 ..... 09 p1322 N91-17258 #

NOAA-TM-ERL-WPL-176 ..... 01 p0107 N91-10622 #
NOAA-TM-ERL-WPL-179 ..... 01 p0069 N91-10413 #
NOAA-TM-ERL-WPL-182 ..... 09 p1368 N91-17517 #
NOAA-TM-ERL-WPL-184 ..... 09 p1366 N91-17508 #
NOAA-TM-ERL-WPL-185 ..... 09 p1353 N91-17435 #
NOAA-TM-ERL-WPL-186 ..... 12 p1880 N91-20336 #
NOAA-TM-ERL-WPL-187 ..... 14 p2291 N91-22670 #
NOAA-TM-ERL-WPL-188 ..... 11 p1799 N91-19875 #
NOAA-TM-ERL-WPL-189 ..... 13 p2116 N91-21647 #
NOAA-TM-ERL-WPL-190 ..... 16 p2661 N91-24722 #
NOAA-TM-ERL-WPL-191 ..... 19 p3184 N91-27609 #
NOAA-TM-ERL-WPL-195 ..... 19 p3187 N91-27624 #
NOAA-TM-ERL-WPL-196 ..... 22 p3718 N91-30691 #
NOAA-TM-ERL-WPL-197 ..... 19 p3170 N91-27525 #

NOAA-TM-NESS-107-REV-1 ..... 04 p0543 N91-13010 #

NOAA-TM-NMFS-F/NEC-73 ..... 02 p0242 N91-11349 #

NOAA-TM-NMFS-SWFSC-153 ..... 22 p3712 N91-30660 #

NOAA-TM-NOS-NGS-50 ..... 12 p1916 N91-20542 #
NOAA-TM-NOS-NGS-53 ..... 09 p1369 N91-17522 #
NOAA-TM-NOS-NGS-54 ..... 16 p2563 N91-24214 #

NOAA-TM-NWS-ER-83 ..... 09 p1368 N91-17515 #

NOAA-TM-NWS-NSSFC-28 ..... 12 p1924 N91-20588 #
NOAA-TM-NWS-NSSFC-29 ..... 24 p4070 N91-32738 #

NOAA-TM-NWS-SR-129 ..... 01 p0069 N91-10414 #

NOAA-TM-NWS-SR-131 ..... 09 p1366 N91-17507 #
NOAA-TM-NWS-SR-132 ..... 09 p1358 N91-17463 #
NOAA-TM-NWS-SR-134 ..... 23 p3896 N91-31744 #
NOAA-TM-NWS-SR-135 ..... 23 p3896 N91-31745 #

NOAA-TM-NWS-WR-209 ..... 13 p2120 N91-21668 #

NOAA-TM-NWSTM-PR-36 ..... 22 p3710 N91-30647 #

NOAA-TR-ERL-WPL-183 ..... 09 p1399 N91-17698 #

NOAA-TR-ERL-442-WPL-63 ..... 11 p1739 N91-19562 #
NOAA-TR-ERL-443 ..... 21 p3544 N91-29693 #

NOAA-TR-NESDIS-44 ..... 01 p0015 N91-10093 #
NOAA-TR-NESDIS-50 ..... 10 p1555 N91-18553 #
NOAA-TR-NESDIS-51 ..... 09 p1366 N91-17506 #
NOAA-TR-NESDIS-52 ..... 09 p1362 N91-17485 #
NOAA-TR-NESDIS-53 ..... 11 p1730 N91-19514 #

NOARL-AB-90-323-113 ..... 09 p1369 N91-17526 #
NOARL-AB-90-351-042 ..... 12 p1918 N91-20551 #
NOARL-AB-90-351-043 ..... 12 p1917 N91-20548 #
NOARL-AB-90-351-046 ..... 12 p1918 N91-20549 #

NOARL-CR-019 ..... 18 p3017 N91-26658 #

NOARL-PR-89-003-321 ..... 12 p1926 N91-20600 #
NOARL-PR-89-050-332 ..... 12 p1918 N91-20550 #
NOARL-PR-89-069-252 ..... 13 p2124 N91-21689 #
NOARL-PR-90-019-240 ..... 13 p2148 N91-21836 #
NOARL-PR-90-029-244 ..... 12 p1888 N91-20380 #
NOARL-PR-90-037-244 ..... 12 p1888 N91-20379 #
NOARL-PR-90-051-244 ..... 19 p3205 N91-27718 #
NOARL-PR-90-055-333 ..... 11 p1685 N91-19287 #
NOARL-PR-90-064-323 ..... 13 p2125 N91-21695 #
NOARL-PR-90-066-431 ..... 13 p2122 N91-21681 #
NOARL-PR-90-073-401 ..... 21 p3543 N91-29688 #
NOARL-PR-90-082-221 ..... 13 p2148 N91-21837 #
NOARL-PR-90-084-221 ..... 13 p2149 N91-21838 #
NOARL-PR-91-003-431 ..... 19 p3184 N91-27607 #

NOARL-SP-001-321-91 ..... 19 p3205 N91-27715 #
NOARL-SP-058-351-90 ..... 06 p0851 N91-14697 #
NOARL-SP-059-321-90 ..... 22 p3695 N91-30574 #

NOARL-TN-27 ..... 04 p0605 N91-13369 #
NOARL-TN-29 ..... 02 p0242 N91-11347 #
NOARL-TN-32 ..... 02 p0242 N91-11346 #
NOARL-TN-40 ..... 04 p0542 N91-13006 #
NOARL-TN-50 ..... 09 p1369 N91-17525 #
NOARL-TN-58 ..... 13 p2124 N91-21690 #
NOARL-TN-61 ..... 13 p2121 N91-21675 #
NOARL-TN-63 ..... 04 p0548 N91-13038 #
NOARL-TN-69 ..... 09 p1369 N91-17521 #
NOARL-TN-82 ..... 19 p3202 N91-27699 #
NOARL-TN-83 ..... 22 p3708 N91-30638 #
NOARL-TN-87 ..... 13 p2124 N91-21691 #
NOARL-TN-101 ..... 22 p3710 N91-30645 #
NOARL-TN-105 ..... 21 p3534 N91-29638 #
NOARL-TN-116 ..... 19 p3204 N91-27713 #
NOARL-TN-118 ..... 21 p3534 N91-29637 #

NOARL-3 ..... 09 p1370 N91-17528 #
NOARL-4 ..... 04 p0542 N91-13007 #
NOARL-5 ..... 06 p0850 N91-14693 #
NOARL-6 ..... 21 p3543 N91-29685 #
NOARL-7 ..... 12 p1922 N91-20575 #
NOARL-8 ..... 18 p3003 N91-26587 #

NOBS-CIRC-176 ..... 21 p3607 N91-30069 #
NOBS-CIRC-177 ..... 19 p3184 N91-27608 #

NOO-TN-01-91 ..... 23 p3897 N91-31754 #

NOO-TR-300 ..... 04 p0547 N91-13035 #

NORDA-PR-90-020-252 ..... 15 p2489 N91-23782 #

NORDA-236 ..... 08 p1241 N91-16841 #
NORDA-243 ..... 12 p1927 N91-20602 #
NORDA-246 ..... 21 p3546 N91-29704 #

NORSAR-CONTRIB-418 ..... 12 p1922 N91-20576 #
NORSAR-CONTRIB-421 ..... 13 p2169 N91-21970 #

NOSC-TD-1837-VOL-1 ..... 12 p1963 N91-20800 #
NOSC-TD-1837-VOL-2 ..... 12 p1963 N91-20801 #
NOSC-TD-1930 ..... 12 p1884 N91-20357 #
NOSC-TD-2042 ..... 18 p2974 N91-26417 #

NOSC-TR-1372 ..... 18 p3064 N91-26930 #
NOSC-TR-1373 ..... 12 p1973 N91-20854 #

NOSC/TD-1792 ..... 04 p0545 N91-13023 #
NOSC/TD-1830 ..... 10 p1569 N91-18627 #

NOSC/TD-1834 ..... 10 p1566 N91-18608 #
NOSC/TD-1835 ..... 16 p2676 N91-24809 #
NOSC/TD-1853 ..... 06 p0863 N91-14770 #
NOSC/TD-1874 ..... 08 p1128 N91-16203 #
NOSC/TD-1881 ..... 05 p0701 N91-13903 #
NOSC/TD-1893 ..... 07 p1048 N91-15755 #
NOSC/TD-1917 ..... 13 p2071 N91-21409 #
NOSC/TD-1936 ..... 15 p2486 N91-23767 #
NOSC/TD-1944 ..... 15 p2486 N91-23768 #
NOSC/TD-1946 ..... 14 p2306 N91-22742 #
NOSC/TD-1963 ..... 15 p2419 N91-23400 #
NOSC/TD-1983 ..... 14 p2267 N91-22545 #
NOSC/TD-2020 ..... 18 p2978 N91-26442 #
NOSC/TD-2033 ..... 16 p2618 N91-24494 #
NOSC/TD-2052 ..... 23 p3858 N91-31510 #
NOSC/TD-2055 ..... 18 p3068 N91-26950 #
NOSC/TD-2057 ..... 18 p3077 N91-27004 #
NOSC/TD-2103 ..... 21 p3595 N91-29997 #

NOSC/TR-1154-VOL-3 ..... 04 p0519 N91-12892 #
NOSC/TR-1333-PT-2 ..... 08 p1213 N91-16677 #
NOSC/TR-1347 ..... 07 p1075 N91-15915 #
NOSC/TR-1350 ..... 03 p0357 N91-11997 #
NOSC/TR-1362 ..... 04 p0565 N91-13136 #
NOSC/TR-1369 ..... 12 p1956 N91-20762 #
NOSC/TR-1376 ..... 16 p2621 N91-24511 #
NOSC/TR-1384 ..... 16 p2671 N91-24782 #
NOSC/TR-1385 ..... 16 p2689 N91-24888 #
NOSC/TR-1388 ..... 16 p2689 N91-24883 #
NOSC/TR-1391 ..... 18 p3011 N91-26625 #
NOSC/TR-1400 ..... 18 p2987 N91-26491 #
NOSC/TR-1404 ..... 21 p3499 N91-29414 #
NOSC/TR-1405 ..... 19 p3237 N91-27897 #
NOSC/TR-1408 ..... 18 p3038 N91-26769 #
NOSC/TR-1413 ..... 21 p3565 N91-29819 #

NOTA-INTERNA-946 ..... 12 p1977 N91-20878 #
NOTA-INTERNA-947 ..... 12 p1977 N91-20879 #
NOTA-INTERNA-949 ..... 12 p1977 N91-20880 #
NOTA-INTERNA-950 ..... 12 p1901 N91-20459 #
NOTA-INTERNA-951 ..... 12 p1977 N91-20881 #
NOTA-INTERNA-952 ..... 12 p1978 N91-20882 #
NOTA-INTERNA-953 ..... 12 p1924 N91-20585 #
NOTA-INTERNA-955 ..... 15 p2508 N91-23895 #
NOTA-INTERNA-956 ..... 12 p1978 N91-20883 #
NOTA-INTERNA-957 ..... 15 p2505 N91-23874 #
NOTA-INTERNA-958 ..... 15 p2505 N91-23875 #
NOTA-INTERNA-960 ..... 12 p1902 N91-20460 #
NOTA-INTERNA-961 ..... 15 p2505 N91-23876 #
NOTA-INTERNA-962 ..... 11 p1796 N91-19853 #
NOTA-INTERNA-964 ..... 11 p1737 N91-19550 #
NOTA-INTERNA-965 ..... 11 p1709 N91-19410 #
NOTA-INTERNA-966 ..... 11 p1798 N91-19868 #
NOTA-INTERNA-967 ..... 11 p1823 N91-20019 #
NOTA-INTERNA-968 ..... 11 p1796 N91-19854 #

NPL-DES-90 ..... 12 p1889 N91-20386
NPL-DES-99 ..... 05 p0704 N91-13926
NPL-DES-101 ..... 05 p0711 N91-13968
NPL-DES-105 ..... 24 p4005 N91-32395
NPL-DES-106 ..... 12 p1902 N91-20462
NPL-DES-107 ..... 24 p4094 N91-32872

NPL-DITC-171/91 ..... 24 p4083 N91-32808
NPL-DITC-172/91 ..... 24 p4083 N91-32809
NPL-DITC-173/91 ..... 24 p4083 N91-32810

NPL-DMM(A)-6-PT-1 ..... 12 p1864 N91-20240
NPL-DMM(A)-7-PT-2 ..... 24 p3970 N91-32174
NPL-DMM(A)-8 ..... 05 p0643 N91-13568
NPL-DMM(A)-9 ..... 12 p1867 N91-20256
NPL-DMM(A)-11 ..... 12 p1876 N91-20312
NPL-DMM(A)-12 ..... 12 p1915 N91-20533
NPL-DMM(A)-13 ..... 24 p3974 N91-32201
NPL-DMM(A)-14 ..... 24 p3975 N91-32202
NPL-DMM(A)-16 ..... 12 p1867 N91-20257
NPL-DMM(A)-17 ..... 12 p1876 N91-20313
NPL-DMM(A)-18 ..... 12 p1876 N91-20314
NPL-DMM(A)-19 ..... 15 p2431 N91-23467
NPL-DMM(A)-20 ..... 15 p2426 N91-23438
NPL-DMM(A)-24 ..... 15 p2406 N91-23320
NPL-DMM(A)-145 ..... 12 p1871 N91-20280

NPL-MOM-103 ..... 24 p3983 N91-32248

NPL-RS(EXT)-109 ..... 05 p0694 N91-13868

NPL-RSA(EXT)-1 ..... 12 p1999 N91-21004
NPL-RSA(EXT)-15 ..... 24 p3963 N91-32147
NPL-RSA(EXT)-16 ..... 24 p4094 N91-32873
NPL-RSA(EXT)-17 ..... 24 p4094 N91-32874
NPL-RSA(EXT)-20 ..... 24 p4094 N91-32875

NPRDC-TN-90-15 ..... 02 p0250 N91-11386 #
NPRDC-TN-90-16 ..... 02 p0250 N91-11385 #
NPRDC-TN-90-17 ..... 02 p0251 N91-11394 #

NPRDC-TN-90-19 ..... 03 p0426 N91-12386 #
NPRDC-TN-90-29 ..... 04 p0562 N91-13116 #
NPRDC-TN-91-11 ..... 19 p3228 N91-27846 #
NPRDC-TN-91-12-VOL-1 ..... 19 p3228 N91-27847 #

NPRDC-TR-90-6 ..... 08 p1207 N91-16637 #
NPRDC-TR-91-6 ..... 18 p3029 N91-26725 #

NPS-AS-90-019 ..... 12 p1956 N91-20760 #
NPS-AS-91-001 ..... 12 p1930 N91-20622 #
NPS-AS-91-005 ..... 16 p2697 N91-24938 #
NPS-AS-91-010 ..... 19 p3237 N91-27898 #

NPS-CS-91-006 ..... 15 p2440 N91-23517 #
NPS-CS-91-008 ..... 19 p3260 N91-28032 #

NPS-EC-91-003 ..... 15 p2391 N91-23236 #

NPS-MA-91-001 ..... 21 p3566 N91-29825 #
NPS-MA-91-003 ..... 18 p3050 N91-26840 #
NPS-MA-91-009 ..... 19 p3235 N91-27889 #
NPS-MA-91-010 ..... 19 p3127 N91-27278 #
NPS-MA-91-012 ..... 19 p3236 N91-27895 #

NPS-ME-90-07 ..... 19 p3125 N91-27262 #

NPS-MR-91-001 ..... 13 p2122 N91-21679 #

NPS-OR-91-02 ..... 13 p2145 N91-21811 #

NPS-PH-91-002PR ..... 15 p2500 N91-23847 #
NPS-PH-91-003 ..... 18 p3050 N91-26837 #
NPS-PH-91-004 ..... 15 p2464 N91-23656 #
NPS-PH-91-005 ..... 16 p2681 N91-24841 #
NPS-PH-91-006 ..... 18 p2988 N91-26498 #
NPS-PH-91-007 ..... 18 p3011 N91-26629 #

NPS-61-90-006 ..... 21 p3557 N91-29767 #
NPS-012-90-002 ..... 19 p3277 N91-28128 #

NPSCS-91-012 ..... 23 p3936 N91-32000 #

NPSOR-91-06 ..... 18 p3053 N91-26858 #

NPS52-90-018 ..... 05 p0707 N91-13940 #
NPS52-90-019 ..... 06 p0885 N91-14893 #
NPS53-90-009 ..... 04 p0579 N91-13227 #
NPS54-90-019 ..... 12 p1956 N91-20760 #
NPS55-90-13 ..... 06 p0886 N91-14894 #
NPS55-90-14 ..... 06 p0868 N91-14799 #
NPS55-90-19 ..... 12 p1973 N91-20855 #
NPS55-90-20 ..... 12 p1933 N91-20638 #
NPS61-90-005PR ..... 12 p1925 N91-20584 #
NPS62-90-005 ..... 04 p0515 N91-12864 #
NPS62-90-009 ..... 15 p2416 N91-23379 #
NPS62-90-016 ..... 16 p2679 N91-24831 #
NPS67-90-001CR ..... 16 p2625 N91-24535 #
NPS68-90-004 ..... 15 p2471 N91-23689 #
NPS69-90-05 ..... 05 p0676 N91-13758 #
NPS69-90-06 ..... 18 p2994 N91-26532 #

NR-032-553 ..... 18 p2943 N91-26235 #

NRC-TR-ENG-004 ..... 21 p3458 N91-29178 #

NRC-TTP-02-89 ..... 21 p3510 N91-29490 #

NRC-27469 ..... 21 p3562 N91-29799 #
NRC-30081 ..... 21 p3562 N91-29799 #
NRC-30144 ..... 21 p3495 N91-29394 #
NRC-30269 ..... 21 p3562 N91-29800 #
NRC-30398 ..... 21 p3608 N91-30072 #
NRC-30411 ..... 21 p3553 N91-29743 #
NRC-30458 ..... 21 p3607 N91-30071 #
NRC-31069 ..... 21 p3564 N91-29811 #
NRC-31204 ..... 21 p3458 N91-29178 #
NRC-31608 ..... 03 p0301 N91-11679 #
NRC-32088 ..... 21 p3472 N91-29258 #
NRC-32132 ..... 05 p0615 N91-13409 #
NRC-32133 ..... 21 p3460 N91-29190 #

NRL-MP-88049-4 ..... 01 p0025 N91-10151 #

NRL-MR-6429 ..... 15 p2447 N91-23556 #
NRL-MR-6572 ..... 22 p3749 N91-30900 #
NRL-MR-6643 ..... 14 p2323 N91-22829 #
NRL-MR-6662 ..... 03 p0420 N91-12348 #
NRL-MR-6673 ..... 03 p0349 N91-11950 #
NRL-MR-6677 ..... 05 p0646 N91-13588 #
NRL-MR-6680 ..... 04 p0581 N91-13236 #
NRL-MR-6681 ..... 05 p0718 N91-14005 #
NRL-MR-6683 ..... 06 p0826 N91-14567 #
NRL-MR-6688 ..... 03 p0356 N91-11991 #
NRL-MR-6690 ..... 03 p0420 N91-12350* #
NRL-MR-6691 ..... 03 p0400 N91-12225 #
NRL-MR-6704 ..... 05 p0634 N91-13512 #

NRL-MR-6706 ..... 08 p1125 N91-16186 #
NRL-MR-6712 ..... 04 p0586 N91-13271 #
NRL-MR-6714 ..... 09 p1321 N91-17255 #
NRL-MR-6715 ..... 07 p1086 N91-15971* #
NRL-MR-6716 ..... 06 p0805 N91-14447 #
NRL-MR-6719 ..... 08 p1127 N91-16197 #
NRL-MR-6720 ..... 06 p0818 N91-14520 #
NRL-MR-6726 ..... 07 p0998 N91-15478 #
NRL-MR-6730 ..... 09 p1324 N91-17271 #
NRL-MR-6737 ..... 18 p2989 N91-26503 #
NRL-MR-6738 ..... 22 p3657 N91-30358 #
NRL-MR-6740 ..... 13 p2130 N91-21726 #
NRL-MR-6741 ..... 11 p1799 N91-19879 #
NRL-MR-6743 ..... 09 p1324 N91-17273 #
NRL-MR-6746 ..... 11 p1709 N91-19413 #
NRL-MR-6750 ..... 12 p1891 N91-20398 #
NRL-MR-6751 ..... 12 p1903 N91-20466 #
NRL-MR-6752 ..... 12 p1979 N91-20888 #
NRL-MR-6753 ..... 13 p2092 N91-21519 #
NRL-MR-6755 ..... 22 p3657 N91-30355 #
NRL-MR-6756 ..... 13 p2077 N91-21444 #
NRL-MR-6760 ..... 09 p1386 N91-17622 #
NRL-MR-6765 ..... 15 p2419 N91-23398 #
NRL-MR-6767 ..... 16 p2647 N91-24657 #
NRL-MR-6770 ..... 15 p2506 N91-23888 #
NRL-MR-6772 ..... 21 p3588 N91-29961 #
NRL-MR-6774 ..... 13 p2153 N91-21868 #
NRL-MR-6775 ..... 18 p3037 N91-26761 #
NRL-MR-6776 ..... 14 p2321 N91-22817 #
NRL-MR-6778 ..... 18 p3040 N91-26784 #
NRL-MR-6779 ..... 21 p3506 N91-29464 #
NRL-MR-6780 ..... 15 p2410 N91-23344 #
NRL-MR-6782 ..... 15 p2505 N91-23878 #
NRL-MR-6784 ..... 15 p2420 N91-23405 #
NRL-MR-6787 ..... 15 p2434 N91-23486 #
NRL-MR-6788 ..... 15 p2415 N91-23377 #
NRL-MR-6795 ..... 18 p2947 N91-26259 #
NRL-MR-6797 ..... 19 p3184 N91-27606 #
NRL-MR-6798 ..... 19 p3250 N91-27974 #
NRL-MR-6799 ..... 18 p2983 N91-26470 #
NRL-MR-6806 ..... 16 p2683 N91-24855 #
NRL-MR-6807 ..... 18 p3040 N91-26779 #
NRL-MR-6809 ..... 18 p2975 N91-26425 #
NRL-MR-6811 ..... 18 p2983 N91-26474 #
NRL-MR-6813 ..... 21 p3556 N91-29759 #
NRL-MR-6815 ..... 18 p2946 N91-26254 #
NRL-MR-6817 ..... 18 p2989 N91-26504 #
NRL-MR-6820 ..... 19 p3213 N91-27759 #
NRL-MR-6829 ..... 19 p3157 N91-27456 #
NRL-MR-6831 ..... 19 p3172 N91-27537 #
NRL-MR-6842 ..... 21 p3563 N91-29802 #
NRL-MR-6843 ..... 21 p3504 N91-29450 #
NRL-MR-6844 ..... 21 p3523 N91-29568 #
NRL-MR-6853 ..... 23 p3878 N91-31638 #
NRL-MR-6856 ..... 23 p3808 N91-31243 #
NRL-MR-6867 ..... 23 p3928 N91-31952 #
NRL-MR-6870 ..... 23 p3929 N91-31959 #

NRL-PUB-181-4830 ..... 21 p3571 N91-29857 #
NRL-PUB-190-6320 ..... 19 p3134 N91-27318 #
NRL-PUB-195-6000 ..... 18 p3076 N91-27001 #

NRL-158-4831 ..... 21 p3571 N91-29856 #
NRL-6754 ..... 12 p1903 N91-20467 #
NRL-9142 ..... 18 p3056 N91-26877 #
NRL-9267 ..... 08 p1206 N91-16635 #
NRL-9271 ..... 07 p1047 N91-15747 #
NRL-9273 ..... 04 p0516 N91-12870 #
NRL-9275 ..... 07 p1009 N91-15538 #
NRL-9281 ..... 13 p2073 N91-21421 #
NRL-9282 ..... 12 p1956 N91-20763 #
NRL-9283 ..... 12 p1963 N91-20803 #
NRL-9288 ..... 07 p1049 N91-15758 #
NRL-9289 ..... 12 p1953 N91-20743 #
NRL-9293 ..... 18 p3063 N91-26919 #
NRL-9295 ..... 12 p1923 N91-20578 #
NRL-9298 ..... 16 p2670 N91-24776 #
NRL-9299 ..... 12 p1958 N91-20773 #
NRL-9301 ..... 15 p2414 N91-23372 #
NRL-9303 ..... 19 p3150 N91-27410 #
NRL-9311-PT-1 ..... 23 p3863 N91-31539 #
NRL-9312 ..... 19 p3239 N91-27911 #
NRL-9313 ..... 19 p3205 N91-27714 #
NRL-9316 ..... 23 p3856 N91-31501 #
NRL-9318 ..... 18 p3043 N91-26802 #
NRL-9327 ..... 19 p3152 N91-27425 #
NRL-9337 ..... 23 p3863 N91-31540 #
NRL-9343 ..... 23 p3856 N91-31502 #
NRL-9344 ..... 23 p3812 N91-31265 #
NRL-9345 ..... 23 p3857 N91-31508 #

NRS-REPT-90-1 ..... 07 p0949 N91-15208 #

NSC-REPT(90)2 ..... 13 p2029 N91-21159 #
NSC-REPT(90)4 ..... 07 p0949 N91-15209 #

NSC-REPT-(89)5 ..... 03 p0318 N91-11781 #
NSC-REPT-(89)8 ..... 03 p0318 N91-11780 #

NSF-90-316 ..... 09 p1419 N91-17811 #
NSF-90-318 ..... 09 p1424 N91-17837 #

NSF/ISI-90002 ..... 09 p1332 N91-17315 #

NSMRL-1167 ..... 23 p3906 N91-31806 #

NSSDC-WDC-A-R/S-89-27 ..... 23 p3908 N91-31813* #
NSSDC-WDC-A-R/S-90-02 ..... 23 p3937 N91-32003* #

NSSDC-88-26 ..... 22 p3766 N91-30996* #
NSSDC-89-11 ..... 22 p3723 N91-30720* #

NSSDC/WDC-A-R/S-89-01 ..... 22 p3773 N91-31039* #
NSSDC/WDC-A-R/S-89-05 ..... 22 p3773 N91-31038* #
NSSDC/WDC-A-R/S-89-06 ..... 22 p3772 N91-31037* #
NSSDC/WDC-A-R/S-89-07 ..... 22 p3766 N91-30995* #
NSSDC/WDC-A-R/S-89-08 ..... 22 p3772 N91-31036* #
NSSDC/WDC-A-R/S-89-09 ..... 22 p3772 N91-31035* #
NSSDC/WDC-A-R/S-89-13 ..... 22 p3773 N91-31041* #
NSSDC/WDC-A-R/S-89-14 ..... 22 p3764 N91-30983* #
NSSDC/WDC-A-R/S-89-15 ..... 21 p3605 N91-30060* #
NSSDC/WDC-A-R/S-89-19 ..... 22 p3727 N91-30742* #
NSSDC/WDC-A-R/S-89-21 ..... 22 p3726 N91-30741* #
NSSDC/WDC-A-R/S-89-22 ..... 22 p3774 N91-31049* #
NSSDC/WDC-A-R/S-89-26 ..... 22 p3764 N91-30982* #
NSSDC/WDC-A-R/S-90-01 ..... 22 p3772 N91-31034* #
NSSDC/WDC-A-R/S-90-03 ..... 22 p3772 N91-31033* #
NSSDC/WDC-A-R/S-90-04 ..... 22 p3772 N91-31032* #
NSSDC/WDC-A-R/S-90-05 ..... 22 p3772 N91-31031* #
NSSDC/WDC-A-R/S-90-10-VOL-8 ..... 22 p3774 N91-31048* #
NSSDC/WDC-A-R/S-90-11-VOL-1 ..... 22 p3774 N91-31047* #
NSSDC/WDC-A-R/S-90-12-VOL-2 ..... 22 p3774 N91-31046* #
NSSDC/WDC-A-R/S-90-15 ..... 22 p3771 N91-31030* #
NSSDC/WDC-A-R/S-90-18 ..... 22 p3777 N91-31069* #
NSSDC/WDC-A-R/S-90-19 ..... 22 p3705 N91-30620* #
NSSDC/WDC-A-R/S-90-20 ..... 22 p3777 N91-31068* #
NSSDC/WDC-A-R/S-90-21 ..... 22 p3726 N91-30740* #
NSSDC/WDC-A-R/S-90-22 ..... 22 p3705 N91-30621* #
NSSDC/WDC-A-R/S-90-25 ..... 22 p3778 N91-31070* #
NSSDC/WDC-A-R/S-90-26 ..... 22 p3773 N91-31040* #
NSSDC/WDC-A-R/S-90-27 ..... 22 p3765 N91-30991* #
NSSDC/WDC-A-R/S-91-03-VOL-3 ..... 22 p3774 N91-31045* #
NSSDC/WDC-A-R/S-91-06 ..... 22 p3726 N91-30739* #
NSSDC/WDC-A-R/S-91-07-VOL-4 ..... 22 p3773 N91-31044* #
NSSDC/WDC-A-R/S-91-08 ..... 22 p3626 N91-30177* #
NSSDC/WDC-A-R/S-91-14 ..... 22 p3778 N91-31075* #

NSTS-1700-7B ..... 04 p0490 N91-12724* #

NSWC-MP-89-242 ..... 03 p0359 N91-12012 #

NTIA-89-252 ..... 01 p0134 N91-10796 #
NTIA-90-259 ..... 01 p0033 N91-10199 #
NTIA-90-263 ..... 04 p0513 N91-12851 #
NTIA-90-265-VOL-1 ..... 13 p2069 N91-21396 #
NTIA-90-265-VOL-2 ..... 13 p2069 N91-21397 #
NTIA-90-267 ..... 13 p2069 N91-21398 #
NTIA-90-268 ..... 16 p2617 N91-24487 #
NTIA-90-269 ..... 13 p2069 N91-21395 #
NTIA-90-270 ..... 16 p2617 N91-24486 #
NTIA-91-272 ..... 19 p3187 N91-27626 #
NTIA-91-277 ..... 24 p3988 N91-32281 #

NTIA/SW/DK-91/001A ..... 09 p1308 N91-17177 #

NTSB/AAB-90/01 ..... 21 p3454 N91-29157 #

NTSB/AAR-90/04 ..... 07 p0938 N91-15140 #
NTSB/AAR-90/05 ..... 05 p0617 N91-13425 #
NTSB/AAR-90/06 ..... 07 p0938 N91-15143 #
NTSB/AAR-91/03 ..... 22 p3615 N91-30110
NTSB/AAR-91/04 ..... 24 p3952 N91-32087 #

NTSB/ARC-90/01 ..... 19 p3103 N91-27143 #
NTSB/ARC-91/01 ..... 23 p3786 N91-31110 #

NTSB/ARG-91/01 ..... 19 p3099 N91-27123 #

NUSC-TD-88-03 ..... 13 p2124 N91-21688 #
NUSC-TD-6904 ..... 04 p0555 N91-13078 #
NUSC-TD-6998 ..... 21 p3559 N91-29782 #
NUSC-TD-8035 ..... 04 p0573 N91-13183 #
NUSC-TD-8771 ..... 06 p0886 N91-14895 #
NUSC-TD-8835 ..... 18 p2984 N91-26475 #
NUSC-TD-8879 ..... 21 p3545 N91-29699 #

NUSC-TR-8689 ..... 03 p0410 N91-12291 #
NUSC-TR-8753 ..... 08 p1212 N91-16673 #
NUSC-TR-8759 ..... 08 p1209 N91-16649 #
NUSC-TR-8785 ..... 12 p1972 N91-20849 #
NUSC-TR-8807 ..... 15 p2486 N91-23764 #
NUSC-TR-8827 ..... 18 p3051 N91-26844 #

NUSC-TR-8887 ..... 21 p3498 N91-29413 #

NV-90-14 ..... 03 p0423 N91-12368 #

NWC-TP-7013 ..... 24 p4091 N91-32857 #
NWC-TP-7075 ..... 21 p3556 N91-29762 #
NWC-TP-7081 ..... 09 p1284 N91-17059 #
NWC-TP-7087 ..... 21 p3476 N91-29279 #
NWC-TP-7094 ..... 21 p3566 N91-29824 #
NWC-TP-7104 ..... 21 p3582 N91-29928 #
NWC-TP-7121 ..... 21 p3500 N91-29421 #

NYSERDA-90-1 ..... 13 p2057 N91-21324 #

N4-89-1361L ..... 04 p0479 N91-12673 #

OAL91-1 ..... 16 p2682 N91-24847* #

OB-56 ..... 01 p0118 N91-10698 #

OCNR-114290-17 ..... 18 p3031 N91-26733 #

OCR-91-U-0162 ..... 19 p3234 N91-27881 #

OCS/MMS-89/0008 ..... 09 p1369 N91-17524 #
OCS/MMS-89/0011 ..... 09 p1369 N91-17523 #
OCS/MMS-90/0008 ..... 24 p4071 N91-32746 #
OCS/MMS-90/0018 ..... 09 p1359 N91-17471 #
OCS/MMS-90/0021 ..... 22 p3712 N91-30661 #
OCS/MMS-90/0041 ..... 13 p2167 N91-21961 #
OCS/MMS-90/0043 ..... 02 p0242 N91-11350 #
OCS/MMS-90/0044 ..... 09 p1360 N91-17472 #
OCS/MMS-90/0084 ..... 11 p1736 N91-19548 #
OCS/MMS-91/0011 ..... 19 p3206 N91-27722 #

ODU/ICAM-90-101 ..... 14 p2262 N91-22513* #
ODU/ICAM-91-101 ..... 14 p2338 N91-22926* #
ODU/ICAM-91-102 ..... 24 p4018 N91-32462* #

OEFZS-4541 ..... 09 p1297 N91-17122 #
OEFZS-4542 ..... 07 p1063 N91-15847 #
OEFZS-4555-PT-1 ..... 17 p2862 N91-25826 #
OEFZS-4556-PT-2 ..... 17 p2862 N91-25827 #
OEFZS-4563 ..... 17 p2816 N91-25566 #
OEFZS-4564 ..... 22 p3756 N91-30940 #
OEFZS-4565 ..... 18 p3062 N91-26913 #
OEFZS-4566 ..... 22 p3753 N91-30921 #
OEFZS-4569 ..... 22 p3704 N91-30614 #

ONERA-NT-1987-1 ..... 03 p0365 N91-12046 #
ONERA-NT-1987-2 ..... 22 p3678 N91-30479 #
ONERA-NT-1987-4 ..... 24 p4121 N91-33034 #
ONERA-NT-1987-7 ..... 13 p2081 N91-21465 #
ONERA-NT-1987-8 ..... 02 p0214 N91-11197 #
ONERA-NT-1988-2 ..... 22 p3669 N91-30431 #
ONERA-NT-1988-4 ..... 12 p1863 N91-20238 #
ONERA-NT-1988-5 ..... 15 p2427 N91-23441 #
ONERA-NT-1988-7 ..... 03 p0365 N91-12047 #
ONERA-NT-1988-8 ..... 15 p2405 N91-23319 #
ONERA-NT-1989-1 ..... 15 p2413 N91-23363 #
ONERA-NT-1989-3 ..... 22 p3651 N91-30319 #
ONERA-NT-1989-4 ..... 03 p0415 N91-12321 #
ONERA-NT-1989-6 ..... 12 p1863 N91-20239 #
ONERA-NT-1989-7 ..... 02 p0199 N91-11117 #
ONERA-NT-1989-8 ..... 02 p0195 N91-11090 #
ONERA-NT-1989-9 ..... 02 p0192 N91-11075 #
ONERA-NT-1989-10 ..... 02 p0202 N91-11133 #
ONERA-NT-1989-10 ..... 22 p3624 N91-30165 #
ONERA-NT-1990-1 ..... 02 p0241 N91-11345 #
ONERA-NT-1990-2 ..... 02 p0282 N91-11587 #
ONERA-NT-1990-5 ..... 04 p0528 N91-12925 #
ONERA-NT-1990-8 ..... 04 p0470 N91-12633 #

ONERA-P-1987-1 ..... 22 p3751 N91-30908 #
ONERA-P-1989-1 ..... 22 p3755 N91-30932 #
ONERA-P-1990-1 ..... 02 p0217 N91-11211 #
ONERA-P-1990-1 ..... 22 p3683 N91-30507 #

ONERA-PV-1/8571-GY ..... 23 p3782 N91-31089 #

ONERA-RF-14/3641-PY ..... 23 p3924 N91-31925 #
ONERA-RF-25/7234-PY ..... 23 p3786 N91-31111 #
ONERA-RF-98/7154-PY ..... 23 p3786 N91-31112 #

ONERA-RS-14/3637-AY ..... 23 p3869 N91-31585 #

ONERA-RSF-13/3637-AY ..... 24 p4013 N91-32435 #
ONERA-RSF-20/3419-AY-124A ..... 24 p4013 N91-32437 #
ONERA-RSF-85/1685-AY ..... 23 p3783 N91-31093 #
ONERA-RSF-88/1685-AY-158-A ..... 23 p3783 N91-31092 #

ONERA-RT-6/7256-RY-080-R ..... 23 p3807 N91-31234 #
ONERA-RT-10/3313-RY-090-R ..... 23 p3885 N91-31682 #
ONERA-RT-13/3641-PY ..... 23 p3924 N91-31924 #
ONERA-RT-35/5025-28 ..... 23 p3869 N91-31584 #
ONERA-RT-42/1621-RY-093-R ..... 23 p3870 N91-31586 #

ONERA-RT-50/3064-RY-093-R ..... 23 p3783 N91-31095 #
ONERA-RT-92/5094-PY ..... 23 p3790 N91-31136 #

ONERA-RTS-134/2149-AY-640-A ..... 23 p3783 N91-31094 #

ONERA/DERAT-37/5025-26 ..... 23 p3783 N91-31096 #

ONR-C-7 ..... 19 p3236 N91-27896 #

ONR-RR-90-1 ..... 03 p0413 N91-12308 #
ONR-RR-90-2 ..... 03 p0396 N91-12201 #
ONR-RR-90-3 ..... 03 p0396 N91-12200 #
ONR-RR-90-4 ..... 03 p0412 N91-12307 #

ONR-TR-27 ..... 13 p2162 N91-21926 #
ONR-TR-28 ..... 13 p2057 N91-21322 #

ONR-33 ..... 09 p1422 N91-17830 #

ONREUR-ESNIB-90-04 ..... 05 p0650 N91-13610 #
ONREUR-ESNIB-91-03 ..... 19 p3277 N91-28129 #

ONREUR-MASB-44-89 ..... 19 p3146 N91-27387 #
ONREUR-MASB-46-89 ..... 16 p2580 N91-24301 #

ONREUR-90-4-C ..... 04 p0605 N91-13368 #
ONREUR-90-5-C ..... 04 p0611 N91-13396 #
ONREUR-90-6-C ..... 04 p0514 N91-12856 #

ONT-90-165 ..... 18 p3056 N91-26877 #
ONT-90-165 ..... 23 p3856 N91-31501 #

OR-20-099 ..... 16 p2590 N91-24355 #

ORD-48508 ..... 13 p2051 N91-21285 #

ORNL-CCIP-90-04 ..... 10 p1593 N91-18789 #
ORNL-CCIP-91-08 ..... 24 p4095 N91-32877 #

ORNL-TM-11643 ..... 05 p0644 N91-13574 #

ORNL-TR-90/20 ..... 17 p2777 N91-25370 #

ORNL-5198-ED-11 ..... 16 p2653 N91-24681 #
ORNL-6086-VOL-1 ..... 04 p0581 N91-13238 #
ORNL-6603 ..... 08 p1119 N91-16148 #
ORNL-6622 ..... 01 p0008 N91-10046 #
ORNL-6640 ..... 09 p1361 N91-17482 #
ORNL-6649 ..... 16 p2653 N91-24681 #
ORNL-6653 ..... 21 p3479 N91-29296 #

ORNL/ATD-33 ..... 01 p0021 N91-10125 #
ORNL/ATD-36 ..... 16 p2621 N91-24516 #
ORNL/ATD-40 ..... 10 p1461 N91-18060 #
ORNL/ATD-43 ..... 10 p1526 N91-18405 #
ORNL/ATD-44 ..... 05 p0662 N91-13681 #

ORNL/CDIAC-34/R1 ..... 18 p3082 N91-27043 #
ORNL/CDIAC-36 ..... 07 p1026 N91-15632 #
ORNL/CDIAC-40 ..... 21 p3542 N91-29682 #
ORNL/CDIAC-42 ..... 21 p3539 N91-29664 #
ORNL/CDIAC-43 ..... 24 p4070 N91-32741 #

ORNL/ER-0313/9 ..... 21 p3585 N91-29942 #

ORNL/FMP-90/1 ..... 04 p0505 N91-12805 #

ORNL/FTR-3561 ..... 08 p1137 N91-16257 #
ORNL/FTR-3589 ..... 08 p1148 N91-16320 #
ORNL/FTR-3602 ..... 08 p1171 N91-16449 #
ORNL/FTR-3603 ..... 08 p1174 N91-16463 #
ORNL/FTR-3709 ..... 01 p0121 N91-10716 #
ORNL/FTR-3713 ..... 02 p0200 N91-11122 #
ORNL/FTR-3714 ..... 01 p0068 N91-10408 #
ORNL/FTR-3715 ..... 01 p0112 N91-10653 #
ORNL/FTR-3720 ..... 01 p0030 N91-10181 #
ORNL/FTR-3721 ..... 02 p0196 N91-11097 #
ORNL/FTR-3731 ..... 02 p0219 N91-11226 #
ORNL/FTR-3738 ..... 03 p0381 N91-12129 #
ORNL/FTR-3744 ..... 03 p0358 N91-12007 #
ORNL/FTR-3751 ..... 02 p0201 N91-11125 #
ORNL/FTR-3763 ..... 07 p1070 N91-15887 #
ORNL/FTR-3773 ..... 04 p0502 N91-12789 #
ORNL/FTR-3783 ..... 05 p0641 N91-13556 #
ORNL/FTR-3784 ..... 06 p0844 N91-14664 #
ORNL/FTR-3787 ..... 05 p0685 N91-13812 #
ORNL/FTR-3791 ..... 06 p0843 N91-14658 #
ORNL/FTR-3800 ..... 05 p0731 N91-14082 #
ORNL/FTR-3812 ..... 06 p0843 N91-14660 #
ORNL/FTR-3815 ..... 06 p0836 N91-14623 #
ORNL/FTR-3819 ..... 07 p1027 N91-15636 #
ORNL/FTR-3828 ..... 07 p1010 N91-15545 #
ORNL/FTR-3831 ..... 09 p1388 N91-17637 #
ORNL/FTR-3834 ..... 09 p1360 N91-17475 #
ORNL/FTR-3841 ..... 09 p1360 N91-17476 #
ORNL/FTR-3844 ..... 10 p1539 N91-18472 #

ORNL/FTR-3847 ..... 10 p1542 N91-18487 #
ORNL/FTR-3853 ..... 09 p1406 N91-17740 #
ORNL/FTR-3859 ..... 10 p1606 N91-18862 #
ORNL/FTR-3860 ..... 10 p1544 N91-18496 #
ORNL/FTR-3867 ..... 13 p2113 N91-21634 #
ORNL/FTR-3875 ..... 15 p2502 N91-23857 #
ORNL/FTR-3882 ..... 16 p2602 N91-24420 #
ORNL/FTR-3883 ..... 17 p2805 N91-25505 #
ORNL/FTR-3884 ..... 17 p2873 N91-25892 #

ORNL/M-983 ..... 08 p1115 N91-16126 #
ORNL/M-1154 ..... 11 p1736 N91-19544 #
ORNL/M-1248 ..... 05 p0641 N91-13555 #
ORNL/M-1262 ..... 06 p0849 N91-14688 #
ORNL/M-1276 ..... 23 p3880 N91-31651 #
ORNL/M-1286 ..... 11 p1688 N91-19300 #
ORNL/M-1312 ..... 20 p3303 N91-28283 #
ORNL/M-1323 ..... 06 p0804 N91-14438 #
ORNL/M-1389 ..... 21 p3585 N91-29942 #

ORNL/RSIC-53 ..... 16 p2699 N91-24950 #

ORNL/SUB-83-43374/2 ..... 21 p3497 N91-29401 #
ORNL/SUB-84-00221/2 ..... 09 p1318 N91-17240 #
ORNL/SUB-85-SB012/1 ..... 10 p1502 N91-18268 #
ORNL/SUB-85-27421/04 ..... 23 p3815 N91-31280 #
ORNL/SUB-85-27488/05 ..... 21 p3480 N91-29305 #
ORNL/SUB-86-SB195/1 ..... 01 p0048 N91-10288 #
ORNL/SUB-86-24610/1 ..... 16 p2626 N91-24539 #
ORNL/SUB-86-95001/1 ..... 10 p1541 N91-18482 #
ORNL/SUB-87-SB047C/1 ..... 04 p0532 N91-12952 #
ORNL/SUB-87-00184/02 ..... 04 p0498 N91-12764 #
ORNL/SUB-88-07685/01 ..... 20 p3316 N91-28358 #

ORNL/TM-11012 ..... 01 p0030 N91-10178 #
ORNL/TM-11039 ..... 04 p0498 N91-12766 #
ORNL/TM-11262 ..... 07 p1005 N91-15516 #
ORNL/TM-11351 ..... 09 p1355 N91-17445* #
ORNL/TM-11356 ..... 08 p1226 N91-16756 #
ORNL/TM-11397 ..... 20 p3343 N91-28512 #
ORNL/TM-11465 ..... 04 p0505 N91-12802 #
ORNL/TM-11489 ..... 04 p0508 N91-12823 #
ORNL/TM-11496 ..... 07 p1053 N91-15781 #
ORNL/TM-11503 ..... 07 p0946 N91-15186 #
ORNL/TM-11510 ..... 08 p1158 N91-16376 #
ORNL/TM-11521 ..... 07 p1069 N91-15881 #
ORNL/TM-11522 ..... 07 p0998 N91-15481 #
ORNL/TM-11534 ..... 08 p1240 N91-16835 #
ORNL/TM-11542 ..... 01 p0048 N91-10289 #
ORNL/TM-11561 ..... 09 p1293 N91-17107 #
ORNL/TM-11576 ..... 20 p3371 N91-28674 #
ORNL/TM-11586 ..... 09 p1319 N91-17244 #
ORNL/TM-11587 ..... 06 p0841 N91-14647* #
ORNL/TM-11593 ..... 04 p0496 N91-12752 #
ORNL/TM-11608 ..... 11 p1812 N91-19950 #
ORNL/TM-11616 ..... 09 p1374 N91-17550 #
ORNL/TM-11619 ..... 05 p0685 N91-13810 #
ORNL/TM-11620 ..... 11 p1803 N91-19901 #
ORNL/TM-11622 ..... 05 p0669 N91-13718 #
ORNL/TM-11623 ..... 20 p3417 N91-28947 #
ORNL/TM-11633 ..... 11 p1652 N91-19104 #
ORNL/TM-11634 ..... 05 p0705 N91-13931 #
ORNL/TM-11635 ..... 03 p0397 N91-12205 #
ORNL/TM-11637 ..... 02 p0262 N91-11467 #
ORNL/TM-11639 ..... 04 p0565 N91-13134 #
ORNL/TM-11648 ..... 15 p2416 N91-23381 #
ORNL/TM-11649 ..... 16 p2655 N91-24693 #
ORNL/TM-11655 ..... 09 p1388 N91-17632 #
ORNL/TM-11667 ..... 05 p0729 N91-14072 #
ORNL/TM-11669 ..... 05 p0710 N91-13959 #
ORNL/TM-11688 ..... 11 p1784 N91-19785 #
ORNL/TM-11691 ..... 21 p3491 N91-29370 #
ORNL/TM-11699 ..... 20 p3385 N91-28751 #
ORNL/TM-11704 ..... 09 p1393 N91-17667 #
ORNL/TM-11711 ..... 11 p1814 N91-19961 #
ORNL/TM-11718 ..... 15 p2438 N91-23505 #
ORNL/TM-11719 ..... 18 p2968 N91-26384 #
ORNL/TM-11722 ..... 20 p3290 N91-28188 #
ORNL/TM-11723 ..... 20 p3353 N91-28570 #
ORNL/TM-11733 ..... 15 p2439 N91-23511 #
ORNL/TM-11734 ..... 17 p2871 N91-25881 #
ORNL/TM-11736 ..... 11 p1716 N91-19451 #
ORNL/TM-11744 ..... 13 p2139 N91-21774 #
ORNL/TM-11746 ..... 23 p3799 N91-31190 #
ORNL/TM-11747-PT-1 ..... 15 p2493 N91-23805 #
ORNL/TM-11752 ..... 11 p1715 N91-19444 #
ORNL/TM-11753 ..... 17 p2871 N91-25880 #
ORNL/TM-11756 ..... 15 p2511 N91-23914 #
ORNL/TM-11758 ..... 15 p2511 N91-23915 #
ORNL/TM-11760 ..... 20 p3389 N91-28780 #
ORNL/TM-11762 ..... 20 p3397 N91-28829 #
ORNL/TM-11768 ..... 13 p2144 N91-21805 #
ORNL/TM-11784 ..... 17 p2784 N91-25406 #
ORNL/TM-11786 ..... 15 p2482 N91-23735 #
ORNL/TM-11790 ..... 20 p3382 N91-28738 #
ORNL/TM-11796 ..... 20 p3317 N91-28359 #

ORNL/TM-11808 ..... 17 p2822 N91-25593 #
ORNL/TM-11810 ..... 20 p3390 N91-28784 #
ORNL/TM-11812 ..... 15 p2503 N91-23864 #
ORNL/TM-11813 ..... 21 p3561 N91-29793 #
ORNL/TM-11814 ..... 17 p2836 N91-25677 #
ORNL/TM-11816 ..... 24 p3978 N91-32222 #
ORNL/TM-11819 ..... 17 p2805 N91-25504 #
ORNL/TM-11826 ..... 23 p3914 N91-31855 #
ORNL/TM-11827 ..... 20 p3428 N91-29016 #
ORNL/TM-11836 ..... 21 p3562 N91-29796 #
ORNL/TM-11855-PT-2 ..... 24 p4016 N91-32456 #
ORNL/TM-11902 ..... 24 p4093 N91-32869 #

ORS-KGG-R1 ..... 19 p3106 N91-27160* #

OSU-ECE-91-01 ..... 22 p3622 N91-30150* #

OSU-406 ..... 06 p0839 N91-14636* #

OTA-BP-BA-75 ..... 16 p2663 N91-24730 #

OTA-BP-ISC-72 ..... 09 p1297 N91-17121 #

OTA-BP-TCT-77 ..... 20 p3385 N91-28752 #

OTA-E-364 ..... 09 p1320 N91-17246 #
OTA-E-440 ..... 04 p0587 N91-13274 #
OTA-E-493 ..... 22 p3699 N91-30593 #

OTA-ISC-415 ..... 04 p0490 N91-12722 #
OTA-ISC-422 ..... 02 p0284 N91-11597 #
OTA-ISC-480 ..... 22 p3696 N91-30575 #
OTA-ISC-500 ..... 22 p3763 N91-30978 #
OTA-ISC-502 ..... 22 p3775 N91-31054 #

OTA-O-482 ..... 18 p3006 N91-26599 #
OTA-O-483 ..... 12 p1920 N91-20564 #

OTA-SET-490 ..... 15 p2526 N91-23998 #

OTN-013096 ..... 22 p3620 N91-30139 #
OTN-027462 ..... 01 p0023 N91-10136 #
OTN-027615 ..... 01 p0018 N91-10108 #
OTN-027616 ..... 01 p0015 N91-10091 #
OTN-027636 ..... 01 p0009 N91-10055 #
OTN-027668 ..... 01 p0018 N91-10109 #
OTN-027673 ..... 11 p1652 N91-19106 #
OTN-028386 ..... 23 p3889 N91-31706 #
OTN-028392 ..... 23 p3928 N91-31949 #
OTN-030547 ..... 23 p3801 N91-31198 #
OTN-030732 ..... 22 p3651 N91-30320 #
OTN-030774 ..... 22 p3651 N91-30321 #
OTN-030783-2-PT-2 ..... 03 p0339 N91-11903 #
OTN-030787 ..... 04 p0494 N91-12744 #
OTN-030805 ..... 22 p3729 N91-30761 #
OTN-030835 ..... 22 p3652 N91-30322 #
OTN-030837 ..... 22 p3652 N91-30323 #
OTN-030838 ..... 22 p3652 N91-30324 #
OTN-030839 ..... 22 p3645 N91-30286 #
OTN-030840 ..... 22 p3645 N91-30287 #
OTN-030841 ..... 22 p3690 N91-30548 #
OTN-030852 ..... 23 p3878 N91-31635 #
OTN-030861 ..... 23 p3889 N91-31705 #
OTN-030880 ..... 23 p3790 N91-31134 #
OTN-030932 ..... 22 p3645 N91-30288 #
OTN-030985 ..... 22 p3761 N91-30964 #
OTN-032761 ..... 23 p3916 N91-31871 #
OTN-032762 ..... 23 p3798 N91-31186 #
OTN-032763 ..... 23 p3819 N91-31304 #
OTN-032764 ..... 23 p3821 N91-31317 #
OTN-032766 ..... 23 p3782 N91-31086 #
OTN-032795 ..... 23 p3798 N91-31183 #
OTN-033083 ..... 23 p3782 N91-31087 #
OTN-03078347-1-PT-1 ..... 03 p0339 N91-11902 #

OUEL-1754/89 ..... 06 p0833 N91-14605 #
OUEL-1766/89 ..... 01 p0116 N91-10683 #
OUEL-1778/89 ..... 01 p0116 N91-10684 #
OUEL-1799/89 ..... 01 p0116 N91-10685 #
OUEL-1806/89 ..... 01 p0127 N91-10754 #
OUEL-1807/90 ..... 01 p0006 N91-10035 #
OUEL-1808/90 ..... 01 p0049 N91-10292 #
OUEL-1809/90 ..... 01 p0112 N91-10654 #
OUEL-1812/90 ..... 01 p0006 N91-10036 #
OUEL-1818/90 ..... 11 p1717 N91-19457 #
OUEL-1822/90 ..... 01 p0110 N91-10644 #
OUEL-1823/90 ..... 01 p0039 N91-10229 #
OUEL-1825/90 ..... 01 p0046 N91-10272 #
OUEL-1826/90 ..... 01 p0110 N91-10645 #
OUEL-1827/90 ..... 01 p0111 N91-10646 #
OUEL-1829/90 ..... 04 p0571 N91-13171 #
OUEL-1831/90 ..... 06 p0801 N91-14423 #
OUEL-1833/90 ..... 01 p0006 N91-10037 #
OUEL-1835/90 ..... 06 p0864 N91-14773 #
OUEL-1836/90 ..... 04 p0571 N91-13170 #
OUEL-1837/90 ..... 04 p0538 N91-12983 #

OUEL-1843/90 ..... 12 p1895 N91-20420 #
OUEL-1850/90 ..... 04 p0527 N91-12923 #
OUEL-1852/90 ..... 11 p1709 N91-19411 #
OUEL-1853/90 ..... 11 p1778 N91-19755 #
OUEL-1859/90 ..... 11 p1724 N91-19495 #
OUEL-1860/90 ..... 11 p1782 N91-19774 #
OUEL-1861/90 ..... 11 p1717 N91-19458 #
OUEL-1862/90 ..... 11 p1644 N91-19070 #
OUEL-1863/90 ..... 13 p2044 N91-21244 #
OUEL-1866/90 ..... 11 p1718 N91-19459 #
OUEL-1868/90 ..... 11 p1780 N91-19763 #
OUEL-1872/91 ..... 11 p1784 N91-19791 #

OY/PSTL-RR-100 ..... 13 p2111 N91-21622 #

PAPER-91-1053 ..... 15 p2373 N91-23133* #

PARC-EDL-89-4 ..... 01 p0116 N91-10686 #

PARGUM-90-12 ..... 12 p1919 N91-20559 #

PATENT-1-247-868 ..... 23 p3797 N91-31177
PATENT-1-249-609 ..... 23 p3817 N91-31294
PATENT-1-250-128 ..... 23 p3813 N91-31269
PATENT-1-250-926 ..... 23 p3785 N91-31107
PATENT-1-252-835 ..... 23 p3853 N91-31479
PATENT-1-253-363 ..... 23 p3813 N91-31268
PATENT-1-253-424 ..... 23 p3805 N91-31224
PATENT-1-253-724 ..... 23 p3872 N91-31600
PATENT-1-254-289 ..... 23 p3802 N91-31207
PATENT-1-254-292 ..... 23 p3787 N91-31116
PATENT-1-254-415 ..... 23 p3927 N91-31946
PATENT-1-254-637 ..... 23 p3787 N91-31115
PATENT-1-254-651 ..... 23 p3887 N91-31693
PATENT-1-255-929 ..... 23 p3813 N91-31271
PATENT-1-256-916 ..... 23 p3785 N91-31108
PATENT-1-257-987 ..... 23 p3813 N91-31270
PATENT-1-258-589 ..... 23 p3789 N91-31127
PATENT-1-258-924 ..... 23 p3882 N91-31660
PATENT-1-259-401 ..... 23 p3858 N91-31514
PATENT-1-262-571 ..... 23 p3853 N91-31481
PATENT-1-262-653 ..... 23 p3791 N91-31142
PATENT-1-263-181 ..... 23 p3853 N91-31480
PATENT-1-263-227 ..... 23 p3802 N91-31206
PATENT-1-263-443 ..... 23 p3872 N91-31599
PATENT-1-263-444 ..... 23 p3872 N91-31598
PATENT-1-264-072 ..... 23 p3858 N91-31513
PATENT-1-265-947 ..... 23 p3797 N91-31182
PATENT-1-271-231 ..... 23 p3858 N91-31511
PATENT-1-273-409 ..... 23 p3858 N91-31512
PATENT-1-274-075 ..... 23 p3788 N91-31126

PATENTS-US-A7315871 ..... 01 p0104 N91-10602 #
PATENTS-US-A7317389 ..... 01 p0111 N91-10648 #
PATENTS-US-A7336377 ..... 01 p0015 N91-10095 #
PATENTS-US-A7341019 ..... 01 p0015 N91-10094 #
PATENTS-US-A7357246 ..... 01 p0104 N91-10603 #
PATENTS-US-A7373416 ..... 02 p0190 N91-11064 #
PATENTS-US-A7376071 ..... 01 p0064 N91-10383 #
PATENTS-US-A7384604 ..... 01 p0037 N91-10220 #
PATENTS-US-A7471342 ..... 17 p2780 N91-25386 #

PB89-136329 ..... 14 p2340 N91-22936 #
PB90-106039 ..... 09 p1322 N91-17258 #
PB90-141060 ..... 09 p1308 N91-17180 #
PB90-147935 ..... 01 p0065 N91-10391 #
PB90-147943 ..... 01 p0065 N91-10392 #
PB90-151002 ..... 10 p1558 N91-18567 #
PB90-171588 ..... 01 p0066 N91-10394 #
PB90-171596 ..... 01 p0066 N91-10397 #
PB90-171737 ..... 01 p0135 N91-10797 #
PB90-171968 ..... 01 p0066 N91-10395 #
PB90-172008 ..... 01 p0134 N91-10796 #
PB90-172230 ..... 01 p0067 N91-10400 #
PB90-172297 ..... 01 p0066 N91-10399 #
PB90-172313 ..... 01 p0067 N91-10402 #
PB90-172628 ..... 01 p0066 N91-10396 #
PB90-173188 ..... 01 p0067 N91-10404 #
PB90-173238 ..... 01 p0066 N91-10398 #
PB90-173881 ..... 01 p0067 N91-10401 #
PB90-173899 ..... 01 p0067 N91-10403 #
PB90-179987 ..... 01 p0074 N91-10447 #
PB90-182338 ..... 01 p0140 N91-10822 #
PB90-183310 ..... 01 p0020 N91-10120 #
PB90-183633 ..... 01 p0118 N91-10698 #
PB90-185646 ..... 01 p0067 N91-10405 #
PB90-190588 ..... 01 p0116 N91-10686 #
PB90-195363 ..... 01 p0140 N91-10823 #
PB90-195371 ..... 01 p0140 N91-10824 #
PB90-198334 ..... 02 p0294 N91-11648 #
PB90-199563 ..... 09 p1422 N91-17826 #
PB90-201229 ..... 01 p0112 N91-10655 #
PB90-205196 ..... 01 p0024 N91-10140 #
PB90-206491 ..... 02 p0205 N91-11145 #
PB90-207754 ..... 04 p0611 N91-13395 #
PB90-207820 ..... 01 p0033 N91-10199 #

PB90-208877 ..... 01 p0140 N91-10825 #
PB90-208885 ..... 01 p0140 N91-10826 #
PB90-214487 ..... 01 p0141 N91-10828 #
PB90-215146 ..... 01 p0135 N91-10799 #
PB90-215187 ..... 01 p0136 N91-10805 #
PB90-215518 ..... 13 p2107 N91-21600 #
PB90-215641 ..... 09 p1422 N91-17827 #
PB90-215732 ..... 09 p1300 N91-17134* #
PB90-215773 ..... 05 p0650 N91-13610 #
PB90-216433 ..... 03 p0387 N91-12157 #
PB90-216771 ..... 01 p0046 N91-10273 #
PB90-218827 ..... 01 p0001 N91-10001 #
PB90-219601 ..... 01 p0039 N91-10231 #
PB90-220310 ..... 01 p0107 N91-10622 #
PB90-221862 ..... 02 p0258 N91-11435 #
PB90-222126 ..... 01 p0092 N91-10538 #
PB90-222159 ..... 01 p0069 N91-10415 #
PB90-222324 ..... 01 p0092 N91-10537 #
PB90-226028 ..... 01 p0068 N91-10411 #
PB90-226036 ..... 01 p0068 N91-10412 #
PB90-226341 ..... 01 p0063 N91-10381 #
PB90-227976 ..... 01 p0033 N91-10193 #
PB90-227984 ..... 02 p0258 N91-11436 #
PB90-233115 ..... 01 p0006 N91-10032 #
PB90-233305 ..... 01 p0138 N91-10816* #
PB90-235011 ..... 02 p0258 N91-11437 #
PB90-235482 ..... 01 p0069 N91-10413 #
PB90-235490 ..... 01 p0069 N91-10414 #
PB90-237082 ..... 12 p1996 N91-20987 #
PB90-237108 ..... 02 p0284 N91-11595 #
PB90-237140 ..... 02 p0283 N91-11594 #
PB90-237330 ..... 09 p1358 N91-17459 #
PB90-237561 ..... 09 p1421 N91-17820
PB90-237579 ..... 09 p1358 N91-17460 #
PB90-237587 ..... 09 p1358 N91-17461 #
PB90-237645 ..... 09 p1358 N91-17462 #
PB90-237652 ..... 09 p1421 N91-17819 #
PB90-238064 ..... 03 p0368 N91-12060 #
PB90-238494 ..... 02 p0284 N91-11596 #
PB90-238502 ..... 02 p0193 N91-11078 #
PB90-238569 ..... 04 p0605 N91-13366 #
PB90-238627 ..... 09 p1327 N91-17287 #
PB90-238841 ..... 09 p1366 N91-17507 #
PB90-242389 ..... 01 p0040 N91-10235 #
PB90-243700 ..... 09 p1309 N91-17181 #
PB90-243742 ..... 09 p1332 N91-17316 #
PB90-244435 ..... 01 p0135 N91-10800 #
PB90-246224 ..... 01 p0069 N91-10416 #
PB90-246398 ..... 01 p0108 N91-10624 #
PB90-247297 ..... 04 p0605 N91-13365 #
PB90-247339 ..... 02 p0243 N91-11357 #
PB90-247388 ..... 01 p0021 N91-10123 #
PB90-247594 ..... 02 p0209 N91-11170 #
PB90-250101 ..... 04 p0517 N91-12876 #
PB90-250135 ..... 04 p0550 N91-13053 #
PB90-251224 ..... 05 p0767 N91-14262 #
PB90-251232 ..... 05 p0768 N91-14263 #
PB90-252024 ..... 04 p0544 N91-13018 #
PB90-252172 ..... 02 p0242 N91-11349 #
PB90-252305 ..... 02 p0202 N91-11132 #
PB90-252404 ..... 04 p0513 N91-12851 #
PB90-252545 ..... 04 p0578 N91-13220 #
PB90-252560 ..... 05 p0633 N91-13507 #
PB90-252628 ..... 02 p0233 N91-11303 #
PB90-253147 ..... 02 p0283 N91-11593 #
PB90-253154 ..... 04 p0490 N91-12722 #
PB90-253170 ..... 04 p0544 N91-13019 #
PB90-253188 ..... 04 p0544 N91-13020 #
PB90-253204 ..... 02 p0233 N91-11304 #
PB90-253345 ..... 02 p0284 N91-11597 #
PB90-253584 ..... 05 p0689 N91-13834 #
PB90-253790 ..... 04 p0587 N91-13274 #
PB90-255464 ..... 06 p0886 N91-14896 #
PB90-255480 ..... 02 p0216 N91-11206 #
PB90-255498 ..... 04 p0496 N91-12753 #
PB90-255506 ..... 04 p0496 N91-12754 #
PB90-256306 ..... 05 p0687 N91-13820 #
PB90-256314 ..... 02 p0235 N91-11313 #
PB90-256330 ..... 02 p0294 N91-11649* #
PB90-256348 ..... 02 p0235 N91-11314 #
PB90-256355 ..... 02 p0239 N91-11336 #
PB90-257478 ..... 09 p1332 N91-17315 #
PB90-257593 ..... 02 p0262 N91-11464 #
PB90-257619 ..... 02 p0216 N91-11207 #
PB90-257676 ..... 04 p0534 N91-12963 #
PB90-257684 ..... 02 p0253 N91-11405 #
PB90-257718 ..... 02 p0276 N91-11555* #
PB90-257916 ..... 02 p0227 N91-11270 #
PB90-258062 ..... 02 p0235 N91-11315 #
PB90-258609 ..... 02 p0242 N91-11350 #
PB90-258799 ..... 05 p0767 N91-14260 #
PB90-258807 ..... 05 p0767 N91-14261 #
PB90-258914 ..... 02 p0233 N91-11302 #
PB90-258971 ..... 03 p0371 N91-12081 #
PB90-259169 ..... 02 p0286 N91-11607 #
PB90-259201 ..... 09 p1368 N91-17515 #

PB90-259318 ..... 09 p1351 N91-17418 #
PB90-259334 ..... 09 p1321 N91-17251 #
PB90-259649 ..... 02 p0234 N91-11306 #
PB90-259805 ..... 09 p1359 N91-17471 #
PB90-259839 ..... 09 p1419 N91-17811 #
PB90-259854 ..... 02 p0234 N91-11305 #
PB90-259870 ..... 09 p1359 N91-17468 #
PB90-260134 ..... 09 p1360 N91-17472 #
PB90-260522 ..... 09 p1327 N91-17286 #
PB90-260530 ..... 09 p1318 N91-17236 #
PB90-261454 ..... 09 p1359 N91-17469 #
PB90-261488 ..... 09 p1359 N91-17470 #
PB90-261520 ..... 09 p1370 N91-17529 #
PB90-261660 ..... 09 p1369 N91-17523 #
PB90-261678 ..... 09 p1369 N91-17524 #
PB90-262254 ..... 09 p1383 N91-17604 #
PB90-263856 ..... 09 p1349 N91-17410 #
PB90-263963 ..... 09 p1370 N91-17530 #
PB90-264086 ..... 09 p1395 N91-17677 #
PB90-264102 ..... 09 p1421 N91-17825 #
PB90-264615 ..... 09 p1286 N91-17067 #
PB90-265166 ..... 09 p1449 N91-17996 #
PB90-265281 ..... 09 p1312 N91-17202 #
PB90-266438 ..... 09 p1341 N91-17363 #
PB90-267022 ..... 09 p1427 N91-17855 #
PB90-268277 ..... 09 p1368 N91-17517 #
PB90-268285 ..... 09 p1399 N91-17698 #
PB90-268319 ..... 09 p1366 N91-17508 #
PB90-268491 ..... 09 p1275 N91-17007 #
PB90-268608 ..... 09 p1368 N91-17516 #
PB90-268624 ..... 09 p1351 N91-17419 #
PB90-269507 ..... 09 p1371 N91-17536 #
PB90-269523 ..... 09 p1275 N91-17006 #
PB90-269564 ..... 09 p1410 N91-17762 #
PB90-269572 ..... 09 p1425 N91-17844 #
PB90-269655 ..... 09 p1309 N91-17182 #
PB90-270257 ..... 01 p0005 N91-10023 #
PB90-270414 ..... 09 p1321 N91-17252 #
PB90-270455 ..... 09 p1307 N91-17172 #
PB90-270463 ..... 09 p1307 N91-17173 #
PB90-270539 ..... 09 p1360 N91-17473 #
PB90-272006 ..... 09 p1424 N91-17837 #
PB90-272154 ..... 09 p1327 N91-17288 #
PB90-272279 ..... 09 p1421 N91-17821* #
PB90-910404 ..... 07 p0938 N91-15140 #
PB90-910405 ..... 05 p0617 N91-13425 #
PB90-910406 ..... 07 p0938 N91-15143 #
PB90-916901 ..... 21 p3454 N91-29157 #
PB91-14336 ..... 15 p2411 N91-23348 #
PB91-100164 ..... 09 p1358 N91-17464 #
PB91-100222 ..... 09 p1358 N91-17463 #
PB91-100305 ..... 09 p1358 N91-17465 #
PB91-100321 ..... 13 p2128 N91-21712 #
PB91-100321 ..... 13 p2128 N91-21713 #
PB91-100339 ..... 13 p2128 N91-21712 #
PB91-100347 ..... 13 p2128 N91-21713 #
PB91-100669 ..... 09 p1308 N91-17177 #
PB91-100909 ..... 14 p2266 N91-22539 #
PB91-101923 ..... 09 p1308 N91-17175 #
PB91-101931 ..... 09 p1308 N91-17176 #
PB91-103549 ..... 15 p2523 N91-23982 #
PB91-103705 ..... 09 p1449 N91-17994 #
PB91-103713 ..... 09 p1449 N91-17995 #
PB91-103820 ..... 09 p1349 N91-17408 #
PB91-104505 ..... 09 p1296 N91-17116* #
PB91-104513 ..... 09 p1297 N91-17117* #
PB91-104588 ..... 09 p1345 N91-17390 #
PB91-104596 ..... 08 p1160 N91-16388 #
PB91-104901 ..... 09 p1320 N91-17246 #
PB91-105171 ..... 09 p1369 N91-17522 #
PB91-105353 ..... 09 p1355 N91-17443 #
PB91-105700 ..... 09 p1309 N91-17185 #
PB91-105981 ..... 09 p1353 N91-17435 #
PB91-106005 ..... 09 p1401 N91-17712 #
PB91-106229 ..... 09 p1359 N91-17466 #
PB91-106278 ..... 09 p1345 N91-17389 #
PB91-107086 ..... 09 p1406 N91-17737 #
PB91-107151 ..... 09 p1307 N91-17174 #
PB91-107193 ..... 09 p1410 N91-17757 #
PB91-107201 ..... 09 p1326 N91-17282 #
PB91-107268 ..... 09 p1326 N91-17280 #
PB91-107276 ..... 09 p1421 N91-17822 #
PB91-107284 ..... 09 p1421 N91-17823 #
PB91-107292 ..... 09 p1313 N91-17207 #
PB91-107474 ..... 09 p1326 N91-17281 #
PB91-107532 ..... 09 p1394 N91-17669 #
PB91-107573 ..... 09 p1333 N91-17320* #
PB91-107607 ..... 09 p1300 N91-17136 #
PB91-108415 ..... 09 p1271 N91-16988 #
PB91-108423 ..... 09 p1422 N91-17828 #
PB91-109926 ..... 12 p1920 N91-20563 #
PB91-109983 ..... 09 p1361 N91-17478 #
PB91-110163 ..... 15 p2460 N91-23634 #
PB91-110593 ..... 12 p1993 N91-20973 #
PB91-110718 ..... 09 p1313 N91-17206 #
PB91-110791 ..... 09 p1383 N91-17610 #
PB91-110817 ..... 09 p1364 N91-17497 #
PB91-110999 ..... 09 p1342 N91-17370 #
PB91-111757 ..... 13 p2074 N91-21425 #
PB91-112763 ..... 14 p2322 N91-22823 #
PB91-112805 ..... 12 p1954 N91-20746 #
PB91-112813 ..... 19 p3260 N91-28030 #
PB91-112821 ..... 14 p2330 N91-22872 #
PB91-112854 ..... 16 p2680 N91-24838 #
PB91-113019 ..... 13 p2183 N91-22059 #
PB91-113050 ..... 12 p1996 N91-20986 #
PB91-113225 ..... 09 p1368 N91-17518 #
PB91-113852 ..... 09 p1361 N91-17479 #
PB91-114272 ..... 09 p1297 N91-17121 #
PB91-114553 ..... 12 p1910 N91-20504 #
PB91-114868 ..... 12 p1853 N91-20182 #
PB91-115444 ..... 13 p2028 N91-21154 #
PB91-115535 ..... 13 p2123 N91-21685 #
PB91-118729 ..... 09 p1312 N91-17200 #
PB91-118844 ..... 13 p2101 N91-21563 #
PB91-118919 ..... 12 p1921 N91-20567 #
PB91-119172 ..... 13 p2057 N91-21324 #
PB91-119180 ..... 13 p2113 N91-21632 #
PB91-119206 ..... 13 p2069 N91-21398 #
PB91-119677 ..... 11 p1815 N91-19970 #
PB91-119693 ..... 19 p3103 N91-27143 #
PB91-119743 ..... 12 p1900 N91-20449 #
PB91-119750 ..... 12 p1900 N91-20448 #
PB91-120527 ..... 13 p2171 N91-21984 #
PB91-121087 ..... 12 p2000 N91-21009 #
PB91-121251 ..... 12 p1880 N91-20336 #
PB91-123257 ..... 13 p2069 N91-21399 #
PB91-123356 ..... 13 p2167 N91-21960 #
PB91-123653 ..... 11 p1819 N91-19993 #
PB91-123661 ..... 11 p1819 N91-19994 #
PB91-123922 ..... 13 p2167 N91-21961 #
PB91-124099 ..... 17 p2812 N91-25539 #
PB91-124131 ..... 12 p1916 N91-20542 #
PB91-124495 ..... 12 p1972 N91-20848 #
PB91-124586 ..... 11 p1823 N91-20017 #
PB91-124594 ..... 11 p1823 N91-20018 #
PB91-125500 ..... 11 p1739 N91-19562 #
PB91-125674 ..... 13 p2171 N91-21985 #
PB91-125880 ..... 13 p2112 N91-21629 #
PB91-125898 ..... 11 p1736 N91-19549 #
PB91-125906 ..... 13 p2112 N91-21630 #
PB91-127332 ..... 13 p2131 N91-21734 #
PB91-127423 ..... 18 p3076 N91-26998 #
PB91-127514 ..... 12 p1993 N91-20974 #
PB91-127522 ..... 12 p1994 N91-20975 #
PB91-127720 ..... 13 p2113 N91-21631 #
PB91-127746 ..... 12 p1921 N91-20568 #
PB91-127753 ..... 11 p1736 N91-19545 #
PB91-127829 ..... 13 p2120 N91-21666 #
PB91-127878 ..... 11 p1725 N91-19500 #
PB91-127993 ..... 13 p2047 N91-21262 #
PB91-128264 ..... 14 p2185 N91-22067 #
PB91-129056 ..... 12 p1924 N91-20588 #
PB91-129080 ..... 13 p2116 N91-21647 #
PB91-129098 ..... 13 p2120 N91-21667 #
PB91-129114 ..... 11 p1739 N91-19560 #
PB91-129122 ..... 13 p2112 N91-21626 #
PB91-129239 ..... 13 p2120 N91-21668 #
PB91-129254 ..... 11 p1717 N91-19452 #
PB91-129262 ..... 11 p1704 N91-19383 #
PB91-129270 ..... 12 p1862 N91-20232 #
PB91-129288 ..... 11 p1736 N91-19548 #
PB91-129304 ..... 13 p2120 N91-21669 #
PB91-129338 ..... 11 p1799 N91-19875 #
PB91-129353 ..... 14 p2283 N91-22624 #
PB91-129379 ..... 13 p2022 N91-21125 #
PB91-129635 ..... 13 p2069 N91-21395 #
PB91-129643 ..... 13 p2069 N91-21396 #
PB91-129650 ..... 13 p2069 N91-21397 #
PB91-129684 ..... 11 p1693 N91-19326 #
PB91-129759 ..... 17 p2806 N91-25512 #
PB91-130112 ..... 16 p2682 N91-24848 #
PB91-130120 ..... 16 p2693 N91-24911 #
PB91-130138 ..... 15 p2514 N91-23934 #
PB91-130146 ..... 16 p2693 N91-24910 #
PB91-130237 ..... 13 p2068 N91-21389 #
PB91-130260 ..... 11 p1681 N91-19264 #
PB91-130369 ..... 13 p2112 N91-21628 #
PB91-130419 ..... 12 p1907 N91-20490 #
PB91-130427 ..... 12 p1994 N91-20977 #
PB91-130443 ..... 12 p1994 N91-20976 #
PB91-130849 ..... 14 p2338 N91-22927 #
PB91-131664 ..... 11 p1736 N91-19546 #
PB91-131680 ..... 11 p1736 N91-19547 #
PB91-131698 ..... 12 p1920 N91-20565 #
PB91-131839 ..... 14 p2291 N91-22670 #
PB91-132035 ..... 13 p2112 N91-21627 #
PB91-132191 ..... 16 p2604 N91-24427 #
PB91-132217 ..... 15 p2442 N91-23524 #
PB91-132225 ..... 16 p2599 N91-24403 #
PB91-132233 ..... 17 p2761 N91-25284 #
PB91-132241 ..... 14 p2258 N91-22488 #

PB91-132258 ..... 16 p2666 N91-24747 #
PB91-132266 ..... 14 p2258 N91-22489 #
PB91-132274 ..... 16 p2616 N91-24484 #
PB91-132282 ..... 15 p2441 N91-23523 #
PB91-132290 ..... 18 p3058 N91-26890 #
PB91-132308 ..... 16 p2688 N91-24879 #
PB91-133017 ..... 12 p1928 N91-20609 #
PB91-135194 ..... 14 p2281 N91-22615 #
PB91-135913 ..... 14 p2286 N91-22643 #
PB91-135921 ..... 14 p2287 N91-22644 #
PB91-135970 ..... 16 p2564 N91-24215 #
PB91-135988 ..... 16 p2680 N91-24839 #
PB91-136135 ..... 14 p2287 N91-22645 #
PB91-136143 ..... 14 p2287 N91-22646 #
PB91-136341 ..... 17 p2782 N91-25394 #
PB91-136374 ..... 15 p2408 N91-23332 #
PB91-136390 ..... 15 p2397 N91-23272 #
PB91-136408 ..... 12 p1921 N91-20566 #
PB91-136424 ..... 16 p2654 N91-24682 #
PB91-136432 ..... 15 p2409 N91-23338 #
PB91-136465 ..... 15 p2520 N91-23964 #
PB91-136481 ..... 14 p2268 N91-22550 #
PB91-136507 ..... 17 p2884 N91-25943 #
PB91-136515 ..... 18 p3076 N91-26997 #
PB91-136572 ..... 16 p2654 N91-24684 #
PB91-136580 ..... 15 p2458 N91-23623 #
PB91-136754 ..... 16 p2563 N91-24214 #
PB91-137281 ..... 19 p3210 N91-27743 #
PB91-137463 ..... 17 p2787 N91-25420 #
PB91-137471 ..... 16 p2644 N91-24637 #
PB91-137745 ..... 17 p2801 N91-25495 #
PB91-137844 ..... 17 p2812 N91-25542 #
PB91-137851 ..... 17 p2884 N91-25944 #
PB91-138081 ..... 15 p2459 N91-23624 #
PB91-138099 ..... 16 p2664 N91-24740 #
PB91-138370 ..... 17 p2884 N91-25945 #
PB91-138602 ..... 17 p2810 N91-25530 #
PB91-140335 ..... 17 p2763 N91-25299 #
PB91-140442 ..... 16 p2659 N91-24709 #
PB91-140590 ..... 17 p2810 N91-25531 #
PB91-140814 ..... 17 p2890 N91-25975* #
PB91-141689 ..... 17 p2828 N91-25620 #
PB91-141796 ..... 16 p2654 N91-24683 #
PB91-141804 ..... 15 p2459 N91-23625 #
PB91-141937 ..... 17 p2812 N91-25541 #
PB91-142299 ..... 14 p2268 N91-22549 #
PB91-142307 ..... 16 p2661 N91-24722 #
PB91-142414 ..... 19 p3262 N91-28044 #
PB91-143347 ..... 16 p2617 N91-24488 #
PB91-144352 ..... 17 p2782 N91-25393 #
PB91-144360 ..... 17 p2773 N91-25350 #
PB91-144402 ..... 16 p2604 N91-24431 #
PB91-144410 ..... 16 p2613 N91-24465 #
PB91-144428 ..... 17 p2755 N91-25250* #
PB91-144576 ..... 16 p2651 N91-24674 #
PB91-144584 ..... 16 p2597 N91-24392 #
PB91-144626 ..... 17 p2755 N91-25251 #
PB91-144667 ..... 16 p2655 N91-24688 #
PB91-145813 ..... 16 p2654 N91-24687 #
PB91-146043 ..... 15 p2448 N91-23557 #
PB91-148262 ..... 17 p2806 N91-25513 #
PB91-148288 ..... 17 p2806 N91-25514 #
PB91-148460 ..... 18 p3005 N91-26594 #
PB91-148478 ..... 19 p3170 N91-27527 #
PB91-148494 ..... 17 p2884 N91-25942 #
PB91-149500-REV ..... 16 p2698 N91-24945 #
PB91-150268 ..... 16 p2558 N91-24189 #
PB91-151076 ..... 17 p2786 N91-25418 #
PB91-151290 ..... 17 p2870 N91-25876 #
PB91-151852 ..... 16 p2617 N91-24486 #
PB91-151860 ..... 16 p2617 N91-24487 #
PB91-151894 ..... 16 p2698 N91-24944 #
PB91-152140 ..... 18 p3090 N91-27083 #
PB91-152157 ..... 18 p3090 N91-27084 #
PB91-152702 ..... 16 p2630 N91-24559 #
PB91-152736 ..... 17 p2821 N91-25588 #
PB91-152884 ..... 18 p3034 N91-26745 #
PB91-153288 ..... 19 p3179 N91-27577 #
PB91-153452 ..... 18 p3014 N91-26641 #
PB91-153809 ..... 17 p2786 N91-25416* #
PB91-154674 ..... 18 p3006 N91-26600 #
PB91-155168 ..... 16 p2638 N91-24596 #
PB91-156224 ..... 18 p3011 N91-26624* #
PB91-156380 ..... 18 p3076 N91-26999 #
PB91-156828 ..... 21 p3604 N91-30056 #
PB91-156851 ..... 19 p3099 N91-27123 #
PB91-156869 ..... 14 p2238 N91-22378 #
PB91-157198 ..... 18 p3076 N91-27000 #
PB91-157206 ..... 17 p2756 N91-25252 #
PB91-157271 ..... 17 p2756 N91-25253 #
PB91-157479 ..... 17 p2815 N91-25559 #
PB91-159384 ..... 18 p3034 N91-26746 #
PB91-159400 ..... 17 p2812 N91-25540 #
PB91-159533 ..... 18 p2993 N91-26530 #
PB91-159541 ..... 17 p2758 N91-25265 #
PB91-159574 ..... 17 p2779 N91-25379 #
PB91-159608 ..... 17 p2809 N91-25528 #
PB91-159715 ..... 17 p2763 N91-25297 #
PB91-159723 ..... 17 p2889 N91-25971 #
PB91-159749 ..... 18 p2977 N91-26437 #
PB91-159830 ..... 17 p2860 N91-25818 #
PB91-160374 ..... 18 p3006 N91-26597 #
PB91-160713 ..... 18 p3090 N91-27085 #
PB91-160721 ..... 18 p3091 N91-27086 #
PB91-160820 ..... 17 p2809 N91-25529 #
PB91-161240 ..... 17 p2758 N91-25266 #
PB91-161257 ..... 17 p2806 N91-25511 #
PB91-161273 ..... 18 p2993 N91-26529 #
PB91-161323 ..... 19 p3162 N91-27483 #
PB91-161703 ..... 18 p3006 N91-26601 #
PB91-161711 ..... 18 p3006 N91-26602 #
PB91-161729 ..... 18 p3006 N91-26598 #
PB91-162404 ..... 19 p3170 N91-27526 #
PB91-162545 ..... 19 p3188 N91-27630 #
PB91-162693 ..... 19 p3188 N91-27631 #
PB91-163055 ..... 22 p3726 N91-30737 #
PB91-163378 ..... 19 p3260 N91-28029 #
PB91-163394 ..... 19 p3262 N91-28045 #
PB91-163428 ..... 18 p3006 N91-26599 #
PB91-164087 ..... 19 p3250 N91-27975 #
PB91-164137 ..... 07 p1020 N91-15601 #
PB91-164160 ..... 07 p0972 N91-15336 #
PB91-164186 ..... 07 p0983 N91-15394 #
PB91-164194 ..... 07 p1020 N91-15602 #
PB91-164350 ..... 19 p3182 N91-27594 #
PB91-164376 ..... 22 p3704 N91-30618 #
PB91-164384 ..... 22 p3776 N91-31059 #
PB91-164418 ..... 22 p3766 N91-30993 #
PB91-164434 ..... 23 p3897 N91-31753 #
PB91-164475 ..... 19 p3102 N91-27141 #
PB91-164772 ..... 19 p3217 N91-27779 #
PB91-164780 ..... 19 p3201 N91-27693 #
PB91-166561 ..... 19 p3262 N91-28046 #
PB91-166579 ..... 19 p3262 N91-28046 #
PB91-167197 ..... 19 p3146 N91-27386 #
PB91-167304 ..... 19 p3135 N91-27322 #
PB91-167338 ..... 19 p3182 N91-27595 #
PB91-167346 ..... 19 p3182 N91-27596 #
PB91-167361 ..... 19 p3177 N91-27567 #
PB91-167395 ..... 20 p3324 N91-28404 #
PB91-167486 ..... 19 p3177 N91-27566 #
PB91-167601 ..... 19 p3204 N91-27709 #
PB91-167676 ..... 19 p3128 N91-27283 #
PB91-168088 ..... 19 p3232 N91-27866 #
PB91-168484 ..... 20 p3375 N91-28697 #
PB91-169102 ..... 20 p3447 N91-29130 #
PB91-169110 ..... 20 p3447 N91-29131 #
PB91-169748 ..... 19 p3135 N91-27323 #
PB91-169755 ..... 19 p3184 N91-27609 #
PB91-169763 ..... 20 p3385 N91-28752 #
PB91-169771 ..... 13 p2100 N91-21561* #
PB91-170126 ..... 19 p3177 N91-27568 #
PB91-170282 ..... 23 p3786 N91-31114 #
PB91-171082 ..... 19 p3203 N91-27708 #
PB91-171918 ..... 20 p3369 N91-28665 #
PB91-171918 ..... 20 p3369 N91-28666 #
PB91-171918-PT-3 ..... 19 p3188 N91-27627 #
PB91-171926 ..... 20 p3369 N91-28665 #
PB91-171934 ..... 20 p3369 N91-28666 #
PB91-171942-PT-3 ..... 19 p3188 N91-27627 #
PB91-171959 ..... 20 p3337 N91-28482 #
PB91-172072 ..... 19 p3188 N91-27628 #
PB91-172262 ..... 20 p3447 N91-29128 #
PB91-172270 ..... 20 p3447 N91-29129 #
PB91-172361 ..... 19 p3188 N91-27629 #
PB91-172809 ..... 19 p3187 N91-27626 #
PB91-172940 ..... 21 p3604 N91-30055 #
PB91-173161 ..... 19 p3203 N91-27705 #
PB91-173351 ..... 24 p4073 N91-32755 #
PB91-174045 ..... 19 p3200 N91-27691 #
PB91-174136 ..... 19 p3201 N91-27692 #
PB91-175976 ..... 22 p3625 N91-30169 #
PB91-176040 ..... 23 p3786 N91-31110 #
PB91-176271 ..... 19 p3178 N91-27574 #
PB91-176412 ..... 19 p3206 N91-27721 #
PB91-176438 ..... 19 p3203 N91-27706 #
PB91-176495 ..... 19 p3231 N91-27863* #
PB91-176503 ..... 14 p2255 N91-22473 #
PB91-176644 ..... 19 p3263 N91-28049 #
PB91-176685 ..... 23 p3896 N91-31744 #
PB91-176693 ..... 23 p3896 N91-31745 #
PB91-176701 ..... 19 p3203 N91-27703 #
PB91-176834 ..... 19 p3203 N91-27704 #
PB91-177006 ..... 22 p3747 N91-30882 #
PB91-177444 ..... 19 p3206 N91-27720 #
PB91-177485 ..... 14 p2290 N91-22665 #
PB91-177758 ..... 19 p3161 N91-27480 #
PB91-177865 ..... 19 p3166 N91-27507 #
PB91-177873-PT2 ..... 19 p3166 N91-27508 #
PB91-177881-PT-3 ..... 19 p3166 N91-27509 #
PB91-178046 ..... 19 p3206 N91-27722 #
PB91-178400 ..... 19 p3203 N91-27707 #

PB91-178822 ..... 20 p3324 N91-28403* #
PB91-178848 ..... 20 p3342 N91-28507 #
PB91-178855 ..... 19 p3243 N91-27937 #
PB91-179366 ..... 19 p3260 N91-28028 #
PB91-180216 ..... 22 p3767 N91-31000 #
PB91-180877 ..... 19 p3240 N91-27915 #
PB91-180943 ..... 19 p3182 N91-27593 #
PB91-181529 ..... 20 p3288 N91-28180* #
PB91-181701 ..... 21 p3544 N91-29693 #
PB91-181719 ..... 19 p3187 N91-27624 #
PB91-182360 ..... 21 p3539 N91-29661 #
PB91-182402 ..... 19 p3177 N91-27563 #
PB91-182451 ..... 22 p3703 N91-30609 #
PB91-182576 ..... 19 p3177 N91-27564 #
PB91-182667 ..... 19 p3187 N91-27625 #
PB91-182881 ..... 21 p3493 N91-29385 #
PB91-182980 ..... 19 p3128 N91-27282 #
PB91-182998 ..... 19 p3166 N91-27505 #
PB91-183111 ..... 19 p3170 N91-27525 #
PB91-183558 ..... 22 p3767 N91-30999 #
PB91-183582 ..... 21 p3547 N91-29706 #
PB91-183608 ..... 21 p3547 N91-29707 #
PB91-184077 ..... 21 p3545 N91-29694 #
PB91-184085 ..... 19 p3259 N91-28027 #
PB91-184135 ..... 21 p3546 N91-29705 #
PB91-184564 ..... 22 p3710 N91-30647 #
PB91-184713 ..... 21 p3533 N91-29630 #
PB91-184747 ..... 22 p3690 N91-30545 #
PB91-184754 ..... 21 p3508 N91-29476 #
PB91-184804 ..... 19 p3166 N91-27506* #
PB91-184853 ..... 22 p3779 N91-31077 #
PB91-184952 ..... 22 p3648 N91-30304 #
PB91-184960 ..... 23 p3879 N91-31645 #
PB91-184994 ..... 21 p3528 N91-29601 #
PB91-185009 ..... 22 p3648 N91-30302 #
PB91-185025 ..... 22 p3648 N91-30303 #
PB91-185033 ..... 22 p3752 N91-30917 #
PB91-185090 ..... 19 p3177 N91-27565* #
PB91-185116 ..... 21 p3471 N91-29251 #
PB91-185124 ..... 21 p3501 N91-29432 #
PB91-185132 ..... 21 p3549 N91-29722 #
PB91-185413 ..... 22 p3744 N91-30862 #
PB91-185421 ..... 21 p3558 N91-29776 #
PB91-185439 ..... 22 p3744 N91-30864 #
PB91-185447 ..... 21 p3561 N91-29792 #
PB91-185454 ..... 21 p3604 N91-30053 #
PB91-185819 ..... 22 p3744 N91-30861 #
PB91-187567 ..... 21 p3604 N91-30054 #
PB91-187617 ..... 22 p3761 N91-30969 #
PB91-187708 ..... 22 p3727 N91-30746 #
PB91-187716 ..... 19 p3231 N91-27864 #
PB91-187765 ..... 19 p3121 N91-27245 #
PB91-187773 ..... 19 p3212 N91-27757 #
PB91-187781 ..... 19 p3262 N91-28043* #
PB91-187799 ..... 22 p3744 N91-30863 #
PB91-187815 ..... 19 p3231 N91-27865 #
PB91-188136 ..... 17 p2735 N91-25143 #
PB91-188300 ..... 22 p3767 N91-30998 #
PB91-189134 ..... 22 p3764 N91-30984 #
PB91-190306 ..... 22 p3706 N91-30629 #
PB91-190611 ..... 22 p3776 N91-31062 #
PB91-190629 ..... 22 p3776 N91-31063 #
PB91-190868 ..... 24 p3954 N91-32091 #
PB91-190959 ..... 21 p3516 N91-29526 #
PB91-191213 ..... 22 p3710 N91-30648 #
PB91-191221 ..... 22 p3703 N91-30608 #
PB91-191692 ..... 22 p3675 N91-30463 #
PB91-191791 ..... 14 p2341 N91-22944 #
PB91-191817 ..... 22 p3712 N91-30660 #
PB91-192039 ..... 22 p3699 N91-30596 #
PB91-192617 ..... 22 p3712 N91-30661 #
PB91-192740 ..... 22 p3708 N91-30635 #
PB91-193375 ..... 24 p4117 N91-33011 #
PB91-193441 ..... 24 p4031 N91-32522 #
PB91-193508 ..... 24 p4124 N91-33047 #
PB91-193516 ..... 24 p4124 N91-33048 #
PB91-193656 ..... 24 p4071 N91-32747 #
PB91-193920 ..... 24 p4042 N91-32584 #
PB91-194142 ..... 24 p4087 N91-32832 #
PB91-194399 ..... 22 p3753 N91-30918 #
PB91-194407 ..... 22 p3749 N91-30898 #
PB91-194423 ..... 21 p3571 N91-29858 #
PB91-194449 ..... 22 p3749 N91-30897 #
PB91-194464 ..... 21 p3516 N91-29527* #
PB91-194472 ..... 22 p3648 N91-30305* #
PB91-194480 ..... 21 p3495 N91-29391 #
PB91-195818 ..... 21 p3535 N91-29641 #
PB91-195875 ..... 22 p3668 N91-30424 #
PB91-195941 ..... 21 p3528 N91-29602 #
PB91-195958 ..... 21 p3539 N91-29662 #
PB91-196907 ..... 22 p3718 N91-30691 #
PB91-197079 ..... 22 p3777 N91-31064 #
PB91-197087 ..... 22 p3777 N91-31065 #
PB91-198168 ..... 24 p4070 N91-32739 #
PB91-198176 ..... 24 p3960 N91-32133 #
PB91-200543 ..... 24 p4026 N91-32499 #
PB91-200709 ..... 24 p4086 N91-32831 #
PB91-201020 ..... 24 p4123 N91-33044 #
PB91-201343 ..... 22 p3691 N91-30550 #
PB91-201392 ..... 24 p4070 N91-32738 #
PB91-204529 ..... 24 p4116 N91-33007 #
PB91-204537 ..... 24 p4116 N91-33008 #
PB91-204545 ..... 24 p4116 N91-33009 #
PB91-204552 ..... 24 p4117 N91-33010 #
PB91-205716 ..... 24 p3970 N91-32178 #
PB91-206391 ..... 24 p3972 N91-32190 #
PB91-206417 ..... 24 p3972 N91-32191 #
PB91-206458 ..... 24 p4044 N91-32594 #
PB91-206615 ..... 24 p4039 N91-32570 #
PB91-206656 ..... 24 p4070 N91-32740 #
PB91-208454 ..... 24 p3988 N91-32281 #
PB91-210666 ..... 24 p4071 N91-32746 #
PB91-211847 ..... 24 p4042 N91-32583 #
PB91-214056 ..... 24 p4116 N91-33006 #
PB91-910403 ..... 22 p3615 N91-30110
PB91-910404 ..... 24 p3952 N91-32087 #

PCN-351SQ ..... 03 p0388 N91-12162 #

PD-CF-9012 ..... 01 p0039 N91-10232 #

PD-FC-9112 ..... 21 p3462 N91-29197 #

PD-ST-8917 ..... 05 p0661 N91-13673 #
PD-ST-9027 ..... 01 p0108 N91-10625 #

PDRIR-1129-8-87 ..... 04 p0564 N91-13129 #
PDRIR-1129-9-87 ..... 04 p0561 N91-13112 #
PDRIR-1129-9-87-PT-2 ..... 04 p0561 N91-13113 #

PEI-994 ..... 05 p0661 N91-13675* #

PFC/RR-90-4 ..... 10 p1609 N91-18882 #
PFC/RR-90-8 ..... 06 p0877 N91-14848 #
PFC/RR-91-2 ..... 14 p2322 N91-22824* #
PFC/RR-91-3 ..... 14 p2322 N91-22827 #
PFC/RR-91-4 ..... 14 p2329 N91-22868 #

PH-165 ..... 03 p0417 N91-12331 #
PH-166 ..... 03 p0424 N91-12376 #

PHM-P-08-90 ..... 16 p2565 N91-24219 #

PHM-TR-91-04 ..... 19 p3199 N91-27684 #
PHM-TR-91-06 ..... 21 p3500 N91-29424 #
PHM-TR-91-10 ..... 21 p3500 N91-29423 #

PL-TR-91-2002 ..... 19 p3115 N91-27210* #
PL-TR-91-2013 ..... 21 p3500 N91-29424 #
PL-TR-91-2023 ..... 22 p3628 N91-30190 #
PL-TR-91-2028 ..... 19 p3199 N91-27686 #
PL-TR-91-2031 ..... 18 p3012 N91-26635 #
PL-TR-91-2032 ..... 19 p3200 N91-27687 #
PL-TR-91-2039 ..... 21 p3500 N91-29423 #
PL-TR-91-2042 ..... 19 p3236 N91-27892 #
PL-TR-91-2052 ..... 19 p3108 N91-27172 #
PL-TR-91-2053 ..... 19 p3183 N91-27605 #
PL-TR-91-2063 ..... 21 p3541 N91-29676 #
PL-TR-91-2087 ..... 21 p3455 N91-29163 #
PL-TR-91-2088 ..... 23 p3788 N91-31121 #
PL-TR-91-3001 ..... 18 p2936 N91-26192 #
PL-TR-91-3002 ..... 18 p2937 N91-26199 #
PL-TR-91-3003 ..... 18 p2961 N91-26341 #
PL-TR-91-3009 ..... 21 p3466 N91-29224 #
PL-TR-91-3012 ..... 19 p3126 N91-27268 #
PL-TR-91-3014 ..... 18 p3066 N91-26941 #
PL-TR-91-3022-ADD ..... 21 p3467 N91-29225 #

PL-11-CR90-1116-PHASE-3 ..... 14 p2281 N91-22614* #

PME-FM-91-1 ..... 21 p3514 N91-29510 #

PMI-2335 ..... 23 p3799 N91-31189 #

PML-1990-C139 ..... 11 p1673 N91-19222 #
PML-1990-64 ..... 15 p2386 N91-23204
PML-1990-79 ..... 22 p3648 N91-30306
PML-1990-80 ..... 22 p3767 N91-31004

PMTC-TP-000052 ..... 22 p3711 N91-30655 #

PNL-MA-70 ..... 18 p2998 N91-26555 #
PNL-MA-70-VOL-1 ..... 08 p1161 N91-16393 #

PNL-SA-17084 ..... 09 p1311 N91-17197 #
PNL-SA-17147 ..... 21 p3547 N91-29709 #
PNL-SA-17201 ..... 01 p0029 N91-10173 #
PNL-SA-17225 ..... 01 p0132 N91-10778 #
PNL-SA-17230 ..... 01 p0030 N91-10180 #
PNL-SA-17245 ..... 17 p2808 N91-25526 #
PNL-SA-17301 ..... 04 p0533 N91-12960 #
PNL-SA-17302 ..... 01 p0049 N91-10295 #

PNL-SA-17303 ..... 10 p1505 N91-18282 #
PNL-SA-17356 ..... 09 p1318 N91-17239 #
PNL-SA-17478 ..... 21 p3479 N91-29295 #
PNL-SA-17526 ..... 01 p0017 N91-10104 #
PNL-SA-17536 ..... 01 p0093 N91-10542 #
PNL-SA-17555 ..... 09 p1312 N91-17204 #
PNL-SA-17594 ..... 10 p1562 N91-18594 #
PNL-SA-17787 ..... 10 p1611 N91-18889 #
PNL-SA-17819 ..... 01 p0101 N91-10592 #
PNL-SA-17825 ..... 01 p0028 N91-10166 #
PNL-SA-17876 ..... 01 p0129 N91-10766 #
PNL-SA-17902 ..... 10 p1505 N91-18281 #
PNL-SA-17937 ..... 03 p0401 N91-12233 #
PNL-SA-17957 ..... 09 p1361 N91-17481 #
PNL-SA-17971 ..... 10 p1606 N91-18859 #
PNL-SA-17987 ..... 01 p0093 N91-10541 #
PNL-SA-17988 ..... 01 p0073 N91-10440 #
PNL-SA-17992 ..... 01 p0065 N91-10388 #
PNL-SA-18025 ..... 03 p0424 N91-12372 #
PNL-SA-18028 ..... 09 p1348 N91-17406 #
PNL-SA-18059 ..... 01 p0030 N91-10179 #
PNL-SA-18081 ..... 02 p0193 N91-11079 #
PNL-SA-18090 ..... 01 p0109 N91-10631 #
PNL-SA-18095 ..... 02 p0221 N91-11236 #
PNL-SA-18131 ..... 07 p0981 N91-15382 #
PNL-SA-18133 ..... 10 p1502 N91-18269 #
PNL-SA-18162 ..... 01 p0024 N91-10143 #
PNL-SA-18163 ..... 10 p1537 N91-18459 #
PNL-SA-18214 ..... 07 p1031 N91-15659 #
PNL-SA-18223 ..... 07 p1026 N91-15633 #
PNL-SA-18229 ..... 01 p0027 N91-10160 #
PNL-SA-18242 ..... 06 p0883 N91-14879 #
PNL-SA-18266 ..... 07 p1027 N91-15639 #
PNL-SA-18291 ..... 10 p1497 N91-18242 #
PNL-SA-18314 ..... 01 p0098 N91-10573 #
PNL-SA-18354 ..... 06 p0841 N91-14648 #
PNL-SA-18369 ..... 20 p3358 N91-28600 #
PNL-SA-18391 ..... 01 p0102 N91-10593 #
PNL-SA-18395 ..... 10 p1500 N91-18255 #
PNL-SA-18436 ..... 02 p0284 N91-11600 #
PNL-SA-18442 ..... 21 p3540 N91-29668 #
PNL-SA-18458 ..... 10 p1594 N91-18792 #
PNL-SA-18470 ..... 10 p1503 N91-18270 #
PNL-SA-18472 ..... 20 p3317 N91-28364 #
PNL-SA-18509 ..... 10 p1483 N91-18176 #
PNL-SA-18533 ..... 07 p1049 N91-15761 #
PNL-SA-18535 ..... 07 p1065 N91-15858 #
PNL-SA-18538 ..... 10 p1592 N91-18776 #
PNL-SA-18545 ..... 13 p2045 N91-21251 #
PNL-SA-18573 ..... 15 p2404 N91-23313 #
PNL-SA-18576 ..... 06 p0809 N91-14470 #
PNL-SA-18587 ..... 13 p2056 N91-21313 #
PNL-SA-18588 ..... 12 p1992 N91-20968 #
PNL-SA-18601 ..... 10 p1494 N91-18226 #
PNL-SA-18612 ..... 11 p1686 N91-19290 #
PNL-SA-18622 ..... 13 p2055 N91-21310 #
PNL-SA-18654 ..... 16 p2602 N91-24419 #
PNL-SA-18664 ..... 09 p1371 N91-17537 #
PNL-SA-18679 ..... 07 p1034 N91-15672 #
PNL-SA-18689 ..... 20 p3316 N91-28354 #
PNL-SA-18690 ..... 20 p3438 N91-29074 #
PNL-SA-18739 ..... 10 p1591 N91-18775 #
PNL-SA-18743 ..... 07 p0970 N91-15325 #
PNL-SA-18750 ..... 20 p3302 N91-28276 #
PNL-SA-18754 ..... 07 p1033 N91-15668 #
PNL-SA-18761 ..... 10 p1484 N91-18177 #
PNL-SA-18767 ..... 09 p1361 N91-17480 #
PNL-SA-18786 ..... 17 p2808 N91-25525 #
PNL-SA-18805 ..... 10 p1595 N91-18799* #
PNL-SA-18812 ..... 20 p3323 N91-28400 #
PNL-SA-18815 ..... 10 p1542 N91-18486 #
PNL-SA-18817 ..... 21 p3540 N91-29666 #
PNL-SA-18827 ..... 07 p0966 N91-15304 #
PNL-SA-18847 ..... 13 p2048 N91-21267 #
PNL-SA-18854 ..... 07 p0982 N91-15388 #
PNL-SA-18855 ..... 07 p0981 N91-15387 #
PNL-SA-18856 ..... 07 p0981 N91-15386 #
PNL-SA-18857 ..... 07 p0981 N91-15385 #
PNL-SA-18864 ..... 10 p1521 N91-18379 #
PNL-SA-18872 ..... 24 p4040 N91-32576 #
PNL-SA-18874 ..... 16 p2652 N91-24679 #
PNL-SA-18880 ..... 21 p3492 N91-29377 #
PNL-SA-18894 ..... 24 p3968 N91-32168 #
PNL-SA-18903 ..... 17 p2759 N91-25272 #
PNL-SA-18908 ..... 13 p2055 N91-21311 #
PNL-SA-18917 ..... 20 p3384 N91-28749 #
PNL-SA-18938 ..... 20 p3363 N91-28630 #
PNL-SA-18944 ..... 11 p1701 N91-19368 #
PNL-SA-18945 ..... 11 p1776 N91-19738 #
PNL-SA-18947 ..... 16 p2662 N91-24727 #
PNL-SA-18950 ..... 24 p3968 N91-32169 #
PNL-SA-19016 ..... 24 p4073 N91-32756 #
PNL-SA-19017 ..... 11 p1764 N91-19704 #
PNL-SA-19021 ..... 11 p1708 N91-19409 #
PNL-SA-19062 ..... 11 p1682 N91-19271 #
PNL-SA-19071 ..... 11 p1684 N91-19282 #
PNL-SA-19072 ..... 17 p2760 N91-25282 #
PNL-SA-19094 ..... 20 p3427 N91-29012 #
PNL-SA-19111 ..... 21 p3473 N91-29261 #
PNL-SA-19158 ..... 20 p3438 N91-29078 #
PNL-SA-19175 ..... 21 p3474 N91-29265 #
PNL-SA-19212 ..... 21 p3599 N91-30027 #
PNL-SA-19237 ..... 24 p3976 N91-32212 #
PNL-SA-19240 ..... 16 p2700 N91-24955 #
PNL-SA-19249 ..... 20 p3325 N91-28412 #
PNL-SA-19257 ..... 24 p4041 N91-32577 #
PNL-SA-19277 ..... 20 p3425 N91-28999 #
PNL-SA-19298 ..... 20 p3309 N91-28317 #
PNL-SA-19305 ..... 21 p3564 N91-29809 #
PNL-SA-19310 ..... 20 p3440 N91-29092 #
PNL-SA-19359 ..... 20 p3367 N91-28654 #
PNL-SA-19418 ..... 20 p3328 N91-28431 #
PNL-SA-19443 ..... 20 p3378 N91-28715 #
PNL-SA-19455 ..... 20 p3356 N91-28591 #
PNL-SA-19544 ..... 20 p3328 N91-28432 #
PNL-SA-19548 ..... 21 p3540 N91-29667 #
PNL-SA-19561 ..... 20 p3369 N91-28664 #
PNL-SA-19582 ..... 20 p3370 N91-28671 #
PNL-SA-19592 ..... 21 p3578 N91-29902 #
PNL-SA-19616 ..... 24 p4007 N91-32408 #
PNL-SA-19619 ..... 20 p3370 N91-28669 #
PNL-SA-19712 ..... 21 p3545 N91-29695 #
PNL-SA-19740 ..... 21 p3577 N91-29893 #
PNL-SA-19754 ..... 21 p3492 N91-29376 #

PNL-7296 ..... 08 p1171 N91-16445 #
PNL-7329 ..... 11 p1778 N91-19751 #
PNL-7397 ..... 02 p0213 N91-11191 #
PNL-7441 ..... 02 p0233 N91-11301 #
PNL-7470 ..... 06 p0843 N91-14656 #
PNL-7487 ..... 19 p3186 N91-27616 #
PNL-7589 ..... 10 p1497 N91-18239 #
PNL-7667 ..... 17 p2807 N91-25518 #
PNL-7670 ..... 16 p2671 N91-24785 #
PNL-7673 ..... 20 p3330 N91-28441 #
PNL-7694 ..... 23 p3809 N91-31247 #
PNL-7697 ..... 21 p3536 N91-29644 #
PNL-7715 ..... 23 p3891 N91-31716 #

PNR-90634 ..... 01 p0011 N91-10063 #
PNR-90679 ..... 01 p0044 N91-10259 #
PNR-90681 ..... 01 p0011 N91-10066 #
PNR-90682 ..... 01 p0011 N91-10067 #
PNR-90683 ..... 01 p0050 N91-10297 #
PNR-90687 ..... 02 p0234 N91-11307 #
PNR-90689 ..... 02 p0198 N91-11107 #
PNR-90692 ..... 02 p0181 N91-11020 #
PNR-90698 ..... 02 p0181 N91-11021 #
PNR-90699 ..... 02 p0192 N91-11073 #
PNR-90702 ..... 02 p0255 N91-11416 #
PNR-90705 ..... 02 p0226 N91-11266 #
PNR-90706 ..... 01 p0044 N91-10260 #
PNR-90707 ..... 01 p0011 N91-10068 #
PNR-90709 ..... 01 p0011 N91-10069 #
PNR-90710 ..... 01 p0012 N91-10070 #
PNR-90713 ..... 01 p0023 N91-10137 #
PNR-90716 ..... 03 p0342 N91-11915 #
PNR-90717 ..... 01 p0044 N91-10261 #
PNR-90719 ..... 01 p0010 N91-10056 #
PNR-90720 ..... 01 p0119 N91-10704 #
PNR-90722 ..... 01 p0111 N91-10647 #
PNR-90723 ..... 01 p0028 N91-10168 #
PNR-90730 ..... 01 p0057 N91-10336 #
PNR-90737 ..... 01 p0012 N91-10071 #
PNR-90739 ..... 01 p0044 N91-10262 #
PNR-90742 ..... 01 p0057 N91-10337 #
PNR-90746 ..... 03 p0375 N91-12098 #
PNR-90749 ..... 03 p0410 N91-12293 #
PNR-90750 ..... 01 p0012 N91-10072 #
PNR-90752 ..... 01 p0012 N91-10073 #
PNR-90753 ..... 01 p0023 N91-10138 #
PNR-90754-PT-1 ..... 01 p0012 N91-10074 #
PNR-90755 ..... 01 p0012 N91-10075 #
PNR-90758 ..... 01 p0012 N91-10076 #
PNR-90759 ..... 01 p0050 N91-10298 #
PNR-90763 ..... 01 p0033 N91-10197 #
PNR-90764 ..... 01 p0023 N91-10139 #

PP-1510 ..... 17 p2810 N91-25530 #

PPG-1338 ..... 12 p1983 N91-20909 #

PR-90-031-442 ..... 19 p3206 N91-27719 #

PREPRINT-SERIES-300 ..... 02 p0286 N91-11605* #

PREPRINT-166 ..... 01 p0043 N91-10257 #
PREPRINT-1285 ..... 11 p1785 N91-19796 #

PROTEUS-M-35 ..... 03 p0407 N91-12268 #

PSC-2 ..... 02 p0274 N91-11543 #

PSC-6 ..... 04 p0580 N91-13231 #
PSC-9 ..... 11 p1805 N91-19911 #
PSC-10 ..... 17 p2861 N91-25825 #

PSI-FR-1526-ADD ..... 22 p3749 N91-30899 #

PSI-TR-545445 ..... 18 p3017 N91-26658 #

PSI-1045/TR-960 ..... 22 p3681 N91-30495 #
PSI-2055/TR-859 ..... 02 p0182 N91-11027* #
PSI-2136/TR-1112 ..... 19 p3171 N91-27532 #
PSI-2143/TR-1115 ..... 21 p3581 N91-29920 #

PSL-450-RP91-003A ..... 12 p1932 N91-20630* #

PSU-AFOSR-91-1 ..... 18 p2950 N91-26279 #

PSU-ARL-TM-90-320 ..... 18 p3057 N91-26887 #
PSU-ARL-TM-91-120 ..... 21 p3451 N91-29143 #

PSU-ME-R-90/91-0005 ..... 22 p3648 N91-30304 #

PSU-ME-90/91-003 ..... 08 p1090 N91-15986* #

PSU/ARL-TM-90-181 ..... 04 p0527 N91-12921 #
PSU/ARL-TM-90-197 ..... 04 p0522 N91-12908 #
PSU/ARL-TM-91-81 ..... 18 p3057 N91-26884 #
PSU/ARL-TM-91-104 ..... 18 p3057 N91-26886 #

PSU/ARL-TR-90-012 ..... 04 p0579 N91-13229 #
PSU/ARL-TR-90-013 ..... 04 p0580 N91-13230 #
PSU/ARL-TR-90-015 ..... 22 p3743 N91-30856 #
PSU/ARL-TR-91-002 ..... 15 p2427 N91-23446 #
PSU/ARL-TR-91-004 ..... 18 p2999 N91-26561 #
PSU/ARL-TR-91-005 ..... 19 p3180 N91-27581 #
PSU/ARL-TR-91-007 ..... 20 p3395 N91-28816 #

PSU/ASL/TM-89-207 ..... 03 p0366 N91-12051 #

PTR-90-3 ..... 02 p0200 N91-11118* #

PU/CEOR/SM-90-9 ..... 12 p1913 N91-20520 #
PU/CEOR/SM-91-4 ..... 19 p3120 N91-27239 #

PUB-LAW-101-611 ..... 12 p2000 N91-21008 #

PUB-9799 ..... 13 p2107 N91-21600 #

PUBL-448 ..... 22 p3679 N91-30483 #
PUBL-90089 ..... 22 p3641 N91-30263* #
PUBL-90183 ..... 04 p0494 N91-12746* #
PUBL-90537 ..... 04 p0495 N91-12749* #
PUBL-90654 ..... 06 p0829 N91-14581* #
PUBL-91190 ..... 01 p0019 N91-10115* #
PUBL-91211 ..... 06 p0800 N91-14415* #
PUBL-91230 ..... 19 p3114 N91-27203* #
PUBL-91230 ..... 20 p3291 N91-28192* #
PUBL-91231-VOL-1 ..... 14 p2225 N91-22303* #
PUBL-91231-VOL-2-APP-A/B ..... 14 p2225 N91-22304* #
PUBL-910335 ..... 04 p0494 N91-12747* #
PUBL-910415-VOL-1 ..... 13 p2042 N91-21231* #
PUBL-910801 ..... 08 p1104 N91-16064* #
PUBL-910960 ..... 10 p1527 N91-18406* #
PUBL-911032 ..... 11 p1664 N91-19172* #
PUBL-911382 ..... 14 p2273 N91-22573* #
PUBL-911520 ..... 18 p2938 N91-26203* #

PW/ED/FR-20781 ..... 07 p0979 N91-15374 #

PWA-FR-20359 ..... 07 p1049 N91-15759 #
PWA-FR-20435 ..... 08 p1200 N91-16594 #
PWA-FR-20865 ..... 16 p2587 N91-24339* #
PWA-FR-21413 ..... 21 p3481 N91-29309 #
PWA-FR-21539 ..... 18 p2941 N91-26226 #

PWA-5930-29 ..... 16 p2628 N91-24551* #
PWA-5930-33 ..... 16 p2628 N91-24552* #

P02 ..... 19 p3259 N91-28023 #
P90-10094 ..... 02 p0186 N91-11040*

QU-90-1-PT-1 ..... 21 p3495 N91-29395 #
QU-90-2-PT-2 ..... 21 p3496 N91-29396 #
QU-90-3-PT-3 ..... 21 p3496 N91-29397 #

QUADRANT-TN-90-1 ..... 02 p0203 N91-11135 #

QUEST-TR-508 ..... 18 p2972 N91-26405 #
QUEST-TR-510 ..... 19 p3167 N91-27513 #

R-89-2330-VOL-1 ..... 08 p1149 N91-16328 #
R-91-02 ..... 19 p3201 N91-27692 #
R-560 ..... 16 p2644 N91-24637 #
R-598 ..... 01 p0112 N91-10655 #
R-608 ..... 09 p1351 N91-17418 #
R-616 ..... 17 p2787 N91-25420 #

R-617 ..... 09 p1321 N91-17251 #
R-3918-AF-PT-2 ..... 14 p2321 N91-22820 #
R-6280-S ..... 16 p2618 N91-24495 #

R/D-TR-91-06 ..... 19 p3246 N91-27951 #

R/D-614B-MS-01 ..... 21 p3532 N91-29625 #
R/D-4158A-RB-01 ..... 14 p2299 N91-22708 #
R/D-5228-CC-01 ..... 19 p3153 N91-27428 #
R/D-5305-AN-01 ..... 21 p3527 N91-29596 #
R/D-5338-CC-03 ..... 16 p2671 N91-24784 #
R/D-5462-AN-01 ..... 18 p2968 N91-26388 #
R/D-5544-MS-01 ..... 22 p3642 N91-30269 #
R/D-5686-MS-01 ..... 19 p3134 N91-27319 #
R/D-5718-CH-01 ..... 18 p2961 N91-26346 #
R/D-5782-EE-01 ..... 19 p3254 N91-28003 #
R/D-5824-AN-01 ..... 16 p2635 N91-24589 #
R/D-5850-MA-01 ..... 19 p3225 N91-27827 #
R/D-5899A-CH-01 ..... 09 p1329 N91-17302 #
R/D-6101-MS-01 ..... 20 p3348 N91-28540 #
R/D-6102-AN-01 ..... 12 p1907 N91-20491 #
R/D-6183-MS-02 ..... 03 p0345 N91-11935 #
R/D-6231-RB-09 ..... 14 p2298 N91-22705 #
R/D-6310-MS-01 ..... 21 p3582 N91-29927 #
R/D-6323-EN-01 ..... 18 p3014 N91-26639 #
R/D-6343-EE-03 ..... 09 p1330 N91-17304 #
R/D-6375-MS-02 ..... 04 p0500 N91-12779 #
R/D-6417-AN-02 ..... 04 p0522 N91-12903 #
R/D-6429-MS-02 ..... 03 p0345 N91-11930 #
R/D-6445-CH-01 ..... 12 p1895 N91-20421 #
R/D-6445-CH-02 ..... 22 p3671 N91-30442 #
R/D-6636-AN-02 ..... 21 p3514 N91-29516 #
R/D-6646-EE-02 ..... 23 p3930 N91-31960 #

R/DC-10/89 ..... 17 p2734 N91-25141 #

R/F-6461-EE-02 ..... 21 p3597 N91-30013 #

RA-253 ..... 08 p1126 N91-16190

RADC-TR-89-213 ..... 04 p0592 N91-13307 #
RADC-TR-89-224 ..... 06 p0878 N91-14851 #
RADC-TR-89-229 ..... 05 p0725 N91-14052 #
RADC-TR-89-237 ..... 07 p0997 N91-15476 #
RADC-TR-89-264 ..... 04 p0515 N91-12867 #
RADC-TR-89-274 ..... 04 p0547 N91-13036 #
RADC-TR-89-326 ..... 03 p0423 N91-12370 #
RADC-TR-89-330 ..... 03 p0423 N91-12369 #
RADC-TR-89-346 ..... 03 p0361 N91-12022 #
RADC-TR-89-352 ..... 06 p0831 N91-14594 #
RADC-TR-89-391 ..... 08 p1127 N91-16196 #
RADC-TR-90-17 ..... 03 p0360 N91-12019 #
RADC-TR-90-42-VOL-1 ..... 04 p0515 N91-12862 #
RADC-TR-90-42-VOL-2 ..... 04 p0515 N91-12863 #
RADC-TR-90-45 ..... 12 p1986 N91-20930 #
RADC-TR-90-50 ..... 07 p0994 N91-15456 #
RADC-TR-90-61 ..... 04 p0583 N91-13250 #
RADC-TR-90-88 ..... 12 p1980 N91-20893 #
RADC-TR-90-100 ..... 12 p1903 N91-20470 #
RADC-TR-90-101-VOL-1 ..... 15 p2414 N91-23369 #
RADC-TR-90-101-VOL-1 ..... 15 p2414 N91-23370 #
RADC-TR-90-101-VOL-3 ..... 15 p2414 N91-23371 #
RADC-TR-90-105 ..... 03 p0418 N91-12339 #
RADC-TR-90-109-VOL-1 ..... 06 p0822 N91-14543 #
RADC-TR-90-111 ..... 03 p0419 N91-12343 #
RADC-TR-90-120 ..... 08 p1199 N91-16588 #
RADC-TR-90-128 ..... 09 p1389 N91-17640 #
RADC-TR-90-131 ..... 04 p0563 N91-13123 #
RADC-TR-90-137 ..... 05 p0651 N91-13612 #
RADC-TR-90-139 ..... 05 p0651 N91-13613 #
RADC-TR-90-140 ..... 08 p1198 N91-16583 #
RADC-TR-90-147 ..... 08 p1153 N91-16353 #
RADC-TR-90-148 ..... 09 p1392 N91-17661 #
RADC-TR-90-150 ..... 04 p0520 N91-12894 #
RADC-TR-90-155 ..... 05 p0647 N91-13589 #
RADC-TR-90-157 ..... 04 p0542 N91-13008 #
RADC-TR-90-158 ..... 05 p0651 N91-13614 #
RADC-TR-90-177 ..... 08 p1224 N91-16741 #
RADC-TR-90-181 ..... 06 p0817 N91-14516 #
RADC-TR-90-182 ..... 08 p1201 N91-16604 #
RADC-TR-90-183 ..... 04 p0515 N91-12865 #
RADC-TR-90-195-VOL-1 ..... 08 p1202 N91-16608 #
RADC-TR-90-195-VOL-2 ..... 08 p1202 N91-16609 #
RADC-TR-90-200 ..... 09 p1340 N91-17358 #
RADC-TR-90-202 ..... 04 p0527 N91-12920 #
RADC-TR-90-203-VOL-1 ..... 09 p1385 N91-17616 #
RADC-TR-90-203-VOL-2 ..... 09 p1385 N91-17617 #
RADC-TR-90-203-VOL-3 ..... 09 p1385 N91-17618 #
RADC-TR-90-205 ..... 08 p1203 N91-16615 #
RADC-TR-90-211 ..... 04 p0574 N91-13187 #
RADC-TR-90-220 ..... 18 p3068 N91-26952 #
RADC-TR-90-226 ..... 12 p1969 N91-20831 #
RADC-TR-90-232 ..... 18 p2978 N91-26443 #
RADC-TR-90-234 ..... 12 p1980 N91-20892 #
RADC-TR-90-235 ..... 14 p2257 N91-22483 #
RADC-TR-90-245 ..... 08 p1129 N91-16208 #

RADC-TR-90-246 ..... 08 p1129 N91-16209 #
RADC-TR-90-251 ..... 08 p1129 N91-16207 #
RADC-TR-90-256 ..... 06 p0874 N91-14834 #
RADC-TR-90-257 ..... 05 p0700 N91-13901 #
RADC-TR-90-259 ..... 20 p3333 N91-28458 #
RADC-TR-90-267 ..... 14 p2207 N91-22186 #
RADC-TR-90-268 ..... 14 p2341 N91-22943 #
RADC-TR-90-273 ..... 12 p1853 N91-20185 #
RADC-TR-90-276 ..... 12 p1965 N91-20810 #
RADC-TR-90-280 ..... 12 p1980 N91-20894 #
RADC-TR-90-290 ..... 18 p3037 N91-26763 #
RADC-TR-90-301 ..... 14 p2269 N91-22553 #
RADC-TR-90-313 ..... 13 p2162 N91-21922 #
RADC-TR-90-314 ..... 12 p1990 N91-20956 #
RADC-TR-90-318 ..... 16 p2678 N91-24821 #
RADC-TR-90-319 ..... 14 p2257 N91-22481 #
RADC-TR-90-320 ..... 09 p1374 N91-17553 #
RADC-TR-90-333 ..... 16 p2619 N91-24502 #
RADC-TR-90-340 ..... 12 p1964 N91-20805 #
RADC-TR-90-342 ..... 18 p3066 N91-26940 #
RADC-TR-90-346 ..... 13 p2077 N91-21440 #
RADC-TR-90-349 ..... 12 p1958 N91-20769 #
RADC-TR-90-377 ..... 15 p2413 N91-23365 #
RADC-TR-90-381 ..... 16 p2689 N91-24889 #
RADC-TR-90-389 ..... 15 p2508 N91-23901 #
RADC-TR-90-401 ..... 15 p2434 N91-23485 #
RADC-TR-90-404-VOL-1 ..... 18 p3045 N91-26815 #
RADC-TR-90-404-VOL-2 ..... 18 p3046 N91-26816 #
RADC-TR-90-404-VOL-3 ..... 18 p3046 N91-26817 #
RADC-TR-90-404-VOL-4 ..... 18 p3046 N91-26818 #
RADC-TR-90-404-VOL-5 ..... 18 p3046 N91-26819 #
RADC-TR-90-404-VOL-6 ..... 18 p3046 N91-26820 #
RADC-TR-90-404-VOL-7 ..... 18 p3047 N91-26821 #
RADC-TR-90-404-VOL-8 ..... 18 p3047 N91-26822 #
RADC-TR-90-404-VOL-9 ..... 18 p3047 N91-26823 #
RADC-TR-90-404-VOL-10 ..... 18 p3047 N91-26824 #
RADC-TR-90-404-VOL-11 ..... 18 p3047 N91-26825 #
RADC-TR-90-404-VOL-12 ..... 18 p3047 N91-26826 #
RADC-TR-90-404-VOL-13 ..... 18 p3049 N91-26832 #
RADC-TR-90-404-VOL-14 ..... 18 p3048 N91-26828 #
RADC-TR-90-404-VOL-15 ..... 18 p3048 N91-26829 #
RADC-TR-90-404-VOL-16 ..... 18 p3048 N91-26830 #
RADC-TR-90-404-VOL-17 ..... 18 p3048 N91-26831 #
RADC-TR-90-404-VOL-18 ..... 18 p3048 N91-26827 #
RADC-TR-90-410 ..... 16 p2670 N91-24780 #
RADC-TR-90-412-VOL-1 ..... 18 p2974 N91-26422 #
RADC-TR-90-414 ..... 16 p2668 N91-24766 #
RADC-TR-90-415 ..... 18 p3045 N91-26811 #
RADC-TR-90-417 ..... 18 p3064 N91-26927 #
RADC-TR-90-424 ..... 18 p3045 N91-26814 #

RAE-FM-6 ..... 05 p0697 N91-13882 #

RAE-LIB-TRANS-2182 ..... 16 p2619 N91-24500 #
RAE-LIB-TRANS-2191 ..... 22 p3670 N91-30434 #
RAE-LIB-TRANS-2192 ..... 22 p3670 N91-30433 #

RAE-LT-2177 ..... 09 p1273 N91-16998 #

RAE-MAT/STR-259 ..... 05 p0622 N91-13451 #
RAE-MAT/STR-288 ..... 05 p0679 N91-13777 #
RAE-MAT/STR-291 ..... 10 p1494 N91-18221 #

RAE-SPACE-358 ..... 19 p3240 N91-27917 #
RAE-SPACE-367 ..... 19 p3113 N91-27202 #
RAE-SPACE-678 ..... 07 p1023 N91-15613 #

RAE-SS-11 ..... 05 p0626 N91-13472 #
RAE-SS-12 ..... 08 p1099 N91-16035 #

RAE-TM-AERO-2180 ..... 06 p0783 N91-14341 #
RAE-TM-AERO-2195 ..... 10 p1470 N91-18107 #
RAE-TM-AERO-2197 ..... 13 p2080 N91-21460 #
RAE-TM-AERO-2209 ..... 22 p3678 N91-30481 #

RAE-TM-FM-38 ..... 09 p1277 N91-17018 #
RAE-TM-FM-43 ..... 12 p1889 N91-20384 #

RAE-TM-FS(F)-632-ISSUE-1-REV ..... 16 p2557 N91-24186 #

RAE-TM-MAT/STR-1130 ..... 22 p3695 N91-30569 #
RAE-TM-MAT/STR-1153 ..... 12 p1870 N91-20279 #
RAE-TM-MAT/STR-1155 ..... 08 p1134 N91-16241 #
RAE-TM-MAT/STR-1159 ..... 22 p3645 N91-30285 #
RAE-TM-MAT/STR-1163 ..... 22 p3670 N91-30432 #

RAE-TM-MM-36 ..... 12 p1889 N91-20385 #

RAE-TM-P-1192 ..... 12 p1830 N91-20056 #
RAE-TM-P-1195 ..... 12 p1842 N91-20125 #
RAE-TM-P-1196 ..... 22 p3621 N91-30144 #
RAE-TM-P-1198 ..... 22 p3678 N91-30480 #
RAE-TM-P-1199 ..... 22 p3621 N91-30145 #
RAE-TM-P-1201 ..... 22 p3621 N91-30146 #
RAE-TM-P-1203 ..... 20 p3341 N91-28504 #
RAE-TM-P-1204 ..... 22 p3621 N91-30147 #

RAE-TM-SP-376 ..... 05 p0688 N91-13829 #

RAE-TM-SPACE-378 ..... 22 p3729 N91-30760 #
RAE-TM-SPACE-379 ..... 22 p3627 N91-30182 #
RAE-TM-SPACE-380 ..... 22 p3627 N91-30183 #
RAE-TM-SPACE-381 ..... 22 p3627 N91-30184 #
RAE-TM-SPACE-384 ..... 22 p3627 N91-30185 #

RAE-TR-71023 ..... 19 p3240 N91-27917 #
RAE-TR-71102 ..... 19 p3113 N91-27202 #
RAE-TR-89046 ..... 05 p0622 N91-13451 #
RAE-TR-90018 ..... 05 p0626 N91-13472 #
RAE-TR-90019 ..... 05 p0697 N91-13882 #
RAE-TR-90029 ..... 08 p1099 N91-16035 #
RAE-TR-90032 ..... 07 p1023 N91-15613 #
RAE-TR-90033 ..... 05 p0679 N91-13777 #
RAE-TR-90040 ..... 10 p1494 N91-18221 #

RAE-TRANS-2181 ..... 09 p1336 N91-17339 #
RAE-TRANS-2184 ..... 09 p1276 N91-17012 #
RAE-TRANS-2189 ..... 21 p3511 N91-29493 #

RAI-89-RR-2 ..... 07 p0987 N91-15421* #

RAL-90-036 ..... 09 p1395 N91-17675 #
RAL-90-037 ..... 07 p1066 N91-15866 #
RAL-90-038 ..... 07 p1067 N91-15867 #
RAL-90-039 ..... 07 p1067 N91-15868 #
RAL-90-049 ..... 10 p1593 N91-18786 #
RAL-90-053 ..... 09 p1395 N91-17676 #
RAL-90-059 ..... 10 p1593 N91-18787 #
RAL-90-060 ..... 10 p1593 N91-18788 #
RAL-90-061 ..... 10 p1593 N91-18789 #
RAL-90-062 ..... 07 p1066 N91-15861 #
RAL-90-063 ..... 07 p1039 N91-15699 #
RAL-90-065 ..... 08 p1098 N91-16030 #
RAL-90-068 ..... 10 p1593 N91-18790 #
RAL-91-001 ..... 15 p2505 N91-23877 #
RAL-91-010 ..... 24 p4095 N91-32876 #
RAL-91-016 ..... 22 p3778 N91-31074 #
RAL-91-017 ..... 22 p3753 N91-30923 #
RAL-91-039 ..... 24 p4095 N91-32877 #

RAND-P-7661-RGS ..... 18 p2976 N91-26431 #
RAND-P-7680-RGS ..... 18 p2925 N91-26138 #

RAND-R-3843-AF ..... 18 p2926 N91-26143 #
RAND-R-4047-MF/RL ..... 19 p3111 N91-27190 #

RAND/N-2848-DOS/RC ..... 14 p2233 N91-22355 #
RAND/N-3042-NA ..... 19 p3231 N91-27859 #
RAND/N-3087-DR-E/A/AF ..... 19 p3219 N91-27791 #
RAND/N-3104-AF ..... 12 p1997 N91-20992 #
RAND/N-3172-RC ..... 19 p3260 N91-28031 #

RAND/P-7543 ..... 08 p1124 N91-16177 #

RAND/R-3820-AF ..... 19 p3109 N91-27176 #

RARDE-1/90 ..... 05 p0633 N91-13505 #

RAY/RD/S-4248A ..... 06 p0818 N91-14522 #

RCC-164-91 ..... 18 p2923 N91-26127 #
RCC-209-90 ..... 09 p1294 N91-17109 #
RCC-210-91 ..... 18 p2975 N91-26428 #
RCC-376-91 ..... 23 p3895 N91-31740 #
RCC-378-91 ..... 23 p3895 N91-31739 #
RCC-379-91 ..... 23 p3895 N91-31742 #
RCC-380-91 ..... 23 p3895 N91-31741 #
RCC-701-90 ..... 23 p3857 N91-31507 #

RCC/FMG-702-91 ..... 23 p3857 N91-31503 #

RD/PA-14-227 ..... 23 p3798 N91-31184 #

RDA-TR-0030-0001-001 ..... 04 p0536 N91-12974 #
RDA-TR-161603-001 ..... 21 p3499 N91-29417 #
RDA-TR-0226129003-001 ..... 13 p2047 N91-21263 #

RE-50-345/F ..... 23 p3806 N91-31231 #
RE-780 ..... 14 p2319 N91-22805* #
RE-787 ..... 24 p3974 N91-32200* #

REPT-A-36 ..... 22 p3748 N91-30894 #

REPT-B-17 ..... 01 p0043 N91-10253 #
REPT-B-21 ..... 01 p0043 N91-10254 #
REPT-B-24 ..... 01 p0005 N91-10023 #
REPT-B-25 ..... 01 p0005 N91-10024 #
REPT-B-28 ..... 01 p0005 N91-10025 #
REPT-B-240617 ..... 14 p2339 N91-22933 #

REPT-S-185 ..... 03 p0361 N91-12025 #

REPT-1 ..... 08 p1168 N91-16431 #

REPT-1 ..... 18 p3028 N91-26714 #
REPT-1-5-36452 ..... 18 p2984 N91-26477 #
REPT-1WW/TN-90/001 ..... 18 p3014 N91-26645 #
REPT-2-504591 ..... 12 p1875 N91-20307 #
REPT-3 ..... 07 p0985 N91-15405 #
REPT-3 ..... 18 p3069 N91-26958 #
REPT-4 ..... 04 p0587 N91-13279* #
REPT-4 ..... 10 p1538 N91-18465 #
REPT-5 ..... 08 p1119 N91-16147 #
REPT-5 ..... 12 p1996 N91-20988* #
REPT-8-1989 ..... 22 p3713 N91-30665 #
REPT-06-8124 ..... 12 p1873 N91-20294 #
REPT-10 ..... 24 p4117 N91-33013* #
REPT-11-1990 ..... 17 p2816 N91-25561 #
REPT-12 ..... 10 p1557 N91-18563 #
REPT-12-1990 ..... 17 p2816 N91-25562 #
REPT-13-1990 ..... 17 p2816 N91-25563 #
REPT-15 ..... 18 p3097 N91-27118 #
REPT-15 ..... 19 p3143 N91-27371 #
REPT-18 ..... 10 p1538 N91-18468 #
REPT-21 ..... 17 p2801 N91-25500 #
REPT-21 ..... 19 p3182 N91-27596 #
REPT-21-7574 ..... 08 p1149 N91-16327 #
REPT-23/90 ..... 08 p1136 N91-16253 #
REPT-25/90 ..... 08 p1099 N91-16034 #
REPT-28-3-PHASE-1 ..... 18 p3015 N91-26650 #
REPT-31 ..... 18 p3003 N91-26585 #
REPT-53-4511-3393 ..... 13 p2054 N91-21301 #
REPT-57 ..... 03 p0449 N91-12507 #
REPT-76 ..... 14 p2257 N91-22486 #
REPT-88-1316-PI ..... 21 p3519 N91-29544 #
REPT-88B0238 ..... 08 p1189 N91-16536* #
REPT-89-U-026 ..... 04 p0476 N91-12657 #
REPT-89-9E6-EMBRL-R2 ..... 12 p1851 N91-20176 #
REPT-89-02-RLD ..... 10 p1565 N91-18606 #
REPT-89-79 ..... 03 p0407 N91-12270 #
REPT-89-82 ..... 03 p0407 N91-12271 #
REPT-89-89 ..... 01 p0114 N91-10666 #
REPT-89-90 ..... 01 p0112 N91-10651 #
REPT-89-028 ..... 01 p0113 N91-10658
REPT-89B00116 ..... 19 p3201 N91-27696* #
REPT-89SDM/MCHALE/03-MDA ..... 11 p1812 N91-19954 #
REPT-90-DISL-05 ..... 10 p1486 N91-18185* #
REPT-90-DISL-06 ..... 10 p1486 N91-18184* #
REPT-90-1 ..... 01 p0095 N91-10550 #
REPT-90-1 ..... 09 p1393 N91-17665 #
REPT-90-2 ..... 01 p0095 N91-10549 #
REPT-90-6 ..... 23 p3901 N91-31774 #
REPT-90-8 ..... 08 p1164 N91-16409 #
REPT-90-9S12-HETRO-R1 ..... 14 p2249 N91-22444 #
REPT-90-01 ..... 01 p0109 N91-10636 #
REPT-90-02 ..... 01 p0116 N91-10687 #
REPT-90-03 ..... 01 p0114 N91-10667 #
REPT-90-04 ..... 01 p0116 N91-10688 #
REPT-90-05 ..... 01 p0114 N91-10668 #
REPT-90-06 ..... 01 p0117 N91-10689 #
REPT-90-08 ..... 01 p0109 N91-10637 #
REPT-90-09 ..... 01 p0110 N91-10638 #
REPT-90-10 ..... 02 p0272 N91-11527 #
REPT-90-11 ..... 07 p1003 N91-15507 #
REPT-90-12 ..... 02 p0252 N91-11400 #
REPT-90-13 ..... 02 p0252 N91-11401 #
REPT-90-14 ..... 02 p0253 N91-11402 #
REPT-90-15 ..... 02 p0260 N91-11452 #
REPT-90-16 ..... 02 p0257 N91-11429 #
REPT-90-17 ..... 02 p0261 N91-11453 #
REPT-90-18-VOL-1 ..... 01 p0107 N91-10618* #
REPT-90-18-VOL-2 ..... 01 p0107 N91-10619* #
REPT-90-18-VOL-3 ..... 01 p0107 N91-10620* #
REPT-90-18-VOL-4 ..... 01 p0107 N91-10621* #
REPT-90-20 ..... 02 p0253 N91-11403 #
REPT-90-21 ..... 02 p0283 N91-11592 #
REPT-90-22 ..... 02 p0261 N91-11454 #
REPT-90-23 ..... 01 p0114 N91-10669 #
REPT-90-26 ..... 07 p1061 N91-15835 #
REPT-90-28 ..... 07 p1058 N91-15817 #
REPT-90-35 ..... 07 p1058 N91-15818 #
REPT-90-36 ..... 01 p0114 N91-10670 #
REPT-90-37 ..... 01 p0114 N91-10671 #
REPT-90-38 ..... 02 p0261 N91-11455 #
REPT-90-40 ..... 02 p0264 N91-11478 #
REPT-90-41 ..... 07 p1059 N91-15819 #
REPT-90-42 ..... 07 p1059 N91-15820 #
REPT-90-43 ..... 07 p1059 N91-15821 #
REPT-90-44 ..... 07 p1059 N91-15822 #
REPT-90-46 ..... 07 p1003 N91-15508 #
REPT-90-49 ..... 07 p1059 N91-15823 #
REPT-90-51 ..... 07 p1059 N91-15824 #
REPT-90-52 ..... 08 p1200 N91-16599 #
REPT-90-53 ..... 08 p1200 N91-16600 #
REPT-90-54 ..... 08 p1209 N91-16653 #
REPT-90-55 ..... 08 p1209 N91-16654 #
REPT-90-56 ..... 07 p1059 N91-15825 #
REPT-90-57 ..... 08 p1209 N91-16655 #
REPT-90-58 ..... 08 p1210 N91-16656 #
REPT-90-59 ..... 08 p1210 N91-16657 #
REPT-90-60 ..... 10 p1587 N91-18749 #
REPT-90-62 ..... 10 p1584 N91-18727 #
REPT-90-63 ..... 10 p1584 N91-18728 #
REPT-90-64 ..... 10 p1574 N91-18657 #
REPT-90-65 ..... 10 p1589 N91-18760 #
REPT-90-66 ..... 10 p1579 N91-18690 #
REPT-90-67 ..... 10 p1589 N91-18762 #
REPT-90-68 ..... 10 p1584 N91-18729 #
REPT-90-69 ..... 10 p1584 N91-18730 #
REPT-90-70-PT-2 ..... 10 p1589 N91-18761 #
REPT-90-71 ..... 10 p1585 N91-18731 #
REPT-90-72 ..... 10 p1585 N91-18732 #
REPT-90-73 ..... 10 p1574 N91-18658 #
REPT-90-74 ..... 10 p1585 N91-18733 #
REPT-90-75 ..... 10 p1587 N91-18750 #
REPT-90-76 ..... 10 p1574 N91-18659 #
REPT-90-77 ..... 10 p1585 N91-18734 #
REPT-90-78 ..... 10 p1574 N91-18660 #
REPT-90-79 ..... 10 p1585 N91-18735 #
REPT-90-006 ..... 05 p0710 N91-13963
REPT-90-027 ..... 05 p0704 N91-13927
REPT-90-028 ..... 07 p0995 N91-15458
REPT-90-029 ..... 15 p2483 N91-23747
REPT-90-030 ..... 15 p2483 N91-23748
REPT-90-033 ..... 10 p1514 N91-18334
REPT-90-034 ..... 10 p1514 N91-18335
REPT-90-035 ..... 10 p1538 N91-18467
REPT-90-036 ..... 10 p1514 N91-18336
REPT-90-039 ..... 15 p2484 N91-23749
REPT-90-040 ..... 16 p2667 N91-24755
REPT-90-042 ..... 16 p2667 N91-24756
REPT-90-044 ..... 22 p3738 N91-30821
REPT-90-046 ..... 22 p3747 N91-30887
REPT-90-050 ..... 15 p2484 N91-23750
REPT-90-052 ..... 22 p3745 N91-30871
REPT-90-056 ..... 15 p2484 N91-23751
REPT-90-060 ..... 15 p2484 N91-23752
REPT-90-064 ..... 22 p3730 N91-30768
REPT-90-065 ..... 15 p2463 N91-23651
REPT-90-071 ..... 23 p3913 N91-31846
REPT-90-072 ..... 23 p3918 N91-31884
REPT-90-074 ..... 23 p3936 N91-31995
REPT-90-9550-9 ..... 14 p2235 N91-22368* #
REPT-90/05 ..... 23 p3852 N91-31475 #
REPT-90B00065 ..... 04 p0508 N91-12825* #
REPT-90B00122 ..... 07 p1023 N91-15615* #
REPT-90B00129 ..... 03 p0439 N91-12456* #
REPT-90B00138-REV-2 ..... 06 p0804 N91-14437* #
REPT-90B00143 ..... 04 p0549 N91-13043* #
REPT-90B00146 ..... 11 p1656 N91-19126* #
REPT-90SRD008 ..... 18 p2981 N91-26461* #
REPT-91 ..... 18 p3017 N91-26658 #
REPT-91-1 ..... 13 p2104 N91-21581* #
REPT-91-9SL2-SUPER-R1 ..... 16 p2695 N91-24920 #
REPT-91-11 ..... 22 p3731 N91-30775
REPT-91-003 ..... 22 p3731 N91-30769
REPT-91-004 ..... 22 p3738 N91-30822
REPT-91-005 ..... 22 p3731 N91-30770
REPT-91-006 ..... 22 p3742 N91-30847
REPT-91-007 ..... 22 p3731 N91-30771
REPT-91-008 ..... 22 p3731 N91-30772
REPT-91-009 ..... 22 p3731 N91-30773
REPT-91-010 ..... 22 p3731 N91-30774
REPT-91-019 ..... 22 p3767 N91-31001
REPT-91-020 ..... 22 p3767 N91-31002
REPT-91-021 ..... 23 p3936 N91-31994
REPT-91-022 ..... 22 p3737 N91-30816
REPT-91-023 ..... 22 p3745 N91-30868
REPT-91-024 ..... 22 p3737 N91-30817
REPT-91A01040-VOL-1 ..... 12 p1916 N91-20541* #
REPT-91A01040-VOL-2 ..... 18 p3001 N91-26573* #
REPT-91A01312 ..... 12 p1926 N91-20598* #
REPT-91A01339 ..... 19 p3201 N91-27694* #
REPT-91B00018 ..... 09 p1287 N91-17073* #
REPT-91B00019 ..... 04 p0498 N91-12767* #
REPT-91B00036 ..... 13 p2119 N91-21661* #
REPT-91B00038-PT-2 ..... 13 p2119 N91-21663* #
REPT-91B00042 ..... 10 p1557 N91-18561* #
REPT-91B00046 ..... 10 p1624 N91-18960* #
REPT-91B00049 ..... 22 p3705 N91-30619* #
REPT-91B00055 ..... 13 p2114 N91-21641* #
REPT-91B00060 ..... 13 p2046 N91-21255* #
REPT-91B00063 ..... 12 p1924 N91-20586* #
REPT-91B00064 ..... 14 p2312 N91-22769* #
REPT-91B00072 ..... 11 p1738 N91-19557* #
REPT-91B00073 ..... 22 p3708 N91-30639* #
REPT-91B00078 ..... 12 p1910 N91-20500* #
REPT-91B00079 ..... 13 p2121 N91-21670* #
REPT-91B00081 ..... 16 p2660 N91-24720* #
REPT-91B00084 ..... 17 p2850 N91-25755* #
REPT-91B00089 ..... 18 p3077 N91-27009* #
REPT-91B00090-VOL-1 ..... 17 p2837 N91-25683* #
REPT-91B00090-VOL-2 ..... 17 p2838 N91-25684* #
REPT-91B00095 ..... 18 p3091 N91-27087* #
REPT-91B00103 ..... 18 p3015 N91-26651* #
REPT-91B00108 ..... 17 p2814 N91-25556* #

REPT-91B00119 ..... 22 p3630 N91-30200* #
REPT-91B00126 ..... 22 p3710 N91-30646* #
REPT-91B00202 ..... 22 p3698 N91-30589* #
REPT-91E00216 ..... 07 p1022 N91-15610* #
REPT-91E00700 ..... 06 p0813 N91-14494* #
REPT-91E00714 ..... 06 p0847 N91-14679* #
REPT-91E01238 ..... 11 p1716 N91-19449* #
REPT-91E01682 ..... 13 p2117 N91-21654* #
REPT-91E01726 ..... 13 p2117 N91-21653* #
REPT-91E02561 ..... 22 p3689 N91-30540* #
REPT-91SRD001 ..... 18 p3021 N91-26678 #
REPT-074-021-M-005 ..... 16 p2561 N91-24206* #
REPT-110 ..... 08 p1147 N91-16314 #
REPT-181-01 ..... 19 p3179 N91-27577 #
REPT-218-CA/IS/T ..... 15 p2388 N91-23219 #
REPT-412U-3181-29 ..... 16 p2560 N91-24200* #
REPT-431-6722A-2 ..... 19 p3199 N91-27686 #
REPT-431/91 ..... 23 p3816 N91-31285 #
REPT-504 ..... 13 p2161 N91-21917 #
REPT-504-591 ..... 12 p1874 N91-20300 #
REPT-535 ..... 21 p3529 N91-29603* #
REPT-605-9160001 ..... 04 p0554 N91-13074 #
REPT-911-111-101 ..... 15 p2382 N91-23187 #
REPT-911-111-102 ..... 15 p2383 N91-23188 #
REPT-911-111-103 ..... 15 p2383 N91-23192 #
REPT-911-111-104 ..... 15 p2501 N91-23853 #
REPT-911-111-105 ..... 15 p2388 N91-23216 #
REPT-911-111-106 ..... 15 p2366 N91-23091 #
REPT-911-111-107 ..... 15 p2394 N91-23248 #
REPT-911-320-101 ..... 15 p2374 N91-23139 #
REPT-911-430-101 ..... 15 p2485 N91-23757 #
REPT-911-430-102 ..... 15 p2388 N91-23217 #
REPT-911-430-103 ..... 15 p2394 N91-23249 #
REPT-911-430-104 ..... 15 p2394 N91-23250 #
REPT-911-430-105 ..... 15 p2394 N91-23251 #
REPT-911-430-106 ..... 15 p2394 N91-23252 #
REPT-911-430-107 ..... 15 p2394 N91-23253 #
REPT-911-430-108 ..... 15 p2385 N91-23197 #
REPT-911-430-109 ..... 15 p2394 N91-23254 #
REPT-911-430-110 ..... 16 p2589 N91-24347 #
REPT-911-430-111 ..... 15 p2513 N91-23926 #
REPT-911-430-112 ..... 15 p2394 N91-23255 #
REPT-911-430-113 ..... 15 p2513 N91-23927 #
REPT-911-430-114 ..... 15 p2395 N91-23256 #
REPT-911-430-115 ..... 15 p2395 N91-23257 #
REPT-911-430-116 ..... 16 p2589 N91-24348 #
REPT-911-430-117 ..... 15 p2395 N91-23258 #
REPT-911-430-118 ..... 15 p2516 N91-23947 #
REPT-911-430-119 ..... 15 p2395 N91-23259 #
REPT-911-430-120 ..... 15 p2517 N91-23948 #
REPT-911-430-121 ..... 15 p2387 N91-23208 #
REPT-911-430-122 ..... 15 p2513 N91-23928 #
REPT-911-430-123 ..... 17 p2865 N91-25842 #
REPT-911-430-124 ..... 16 p2692 N91-24901 #
REPT-911-430-125 ..... 15 p2513 N91-23929 #
REPT-911-430-126 ..... 15 p2485 N91-23758 #
REPT-911-430-127 ..... 15 p2395 N91-23260 #
REPT-911-430-128 ..... 15 p2395 N91-23261 #
REPT-911-430-129 ..... 15 p2387 N91-23209 #
REPT-911-430-130 ..... 15 p2395 N91-23262 #
REPT-911-440-101 ..... 15 p2457 N91-23615 #
REPT-911-440-102 ..... 15 p2388 N91-23218 #
REPT-911-440-103 ..... 15 p2388 N91-23219 #
REPT-911-440-104 ..... 15 p2431 N91-23468 #
REPT-911-440-105 ..... 15 p2388 N91-23220 #
REPT-911-440-106 ..... 15 p2389 N91-23221 #
REPT-911-440-107 ..... 15 p2389 N91-23222 #
REPT-911-440-108 ..... 15 p2389 N91-23223 #
REPT-911-440-109 ..... 15 p2389 N91-23224 #
REPT-0092F-PHASE-2 ..... 18 p2990 N91-26509 #
REPT-0650-520-H407 ..... 12 p1869 N91-20272 #
REPT-1148-01 ..... 19 p3140 N91-27350 #
REPT-1148-02 ..... 19 p3140 N91-27352 #
REPT-1148-04 ..... 19 p3138 N91-27341 #
REPT-1148-08 ..... 19 p3138 N91-27342 #
REPT-1148-12 ..... 19 p3139 N91-27346 #
REPT-1148-13 ..... 20 p3321 N91-28385 #
REPT-1148-15 ..... 19 p3252 N91-27990 #
REPT-1148-16 ..... 19 p3242 N91-27928 #
REPT-1148-18 ..... 19 p3139 N91-27348 #
REPT-1148-19 ..... 19 p3252 N91-27991 #
REPT-1148-22 ..... 19 p3140 N91-27349 #
REPT-1148-23 ..... 19 p3139 N91-27345 #
REPT-1286-17 ..... 08 p1234 N91-16801 #
REPT-1357 ..... 19 p3162 N91-27483 #
REPT-1989 ..... 04 p0587 N91-13279* #
REPT-1990 ..... 18 p3069 N91-26958 #
REPT-1990-1 ..... 18 p2945 N91-26244 #
REPT-1990-7 ..... 18 p2945 N91-26245 #
REPT-1990-13 ..... 18 p2959 N91-26330 #
REPT-1990-14 ..... 18 p2962 N91-26347 #
REPT-1990-15 ..... 18 p2946 N91-26251 #
REPT-1990-16 ..... 18 p2960 N91-26337 #
REPT-1990-18 ..... 18 p2959 N91-26331 #
REPT-1990-20 ..... 18 p2959 N91-26332 #
REPT-1990-22 ..... 18 p2945 N91-26250 #
REPT-1990-23 ..... 18 p2960 N91-26333 #
REPT-1990-34 ..... 18 p2959 N91-26328 #
REPT-1990-35 ..... 18 p2959 N91-26329 #
REPT-1990-36 ..... 18 p2947 N91-26258 #
REPT-1990:1 ..... 08 p1236 N91-16816* #
REPT-1990:2 ..... 12 p1989 N91-20944 #
REPT-1990:4 ..... 21 p3598 N91-30016* #
REPT-1991-3 ..... 18 p3053 N91-26862 #
REPT-1991-5 ..... 18 p2960 N91-26334 #
REPT-1991-6 ..... 18 p2960 N91-26339 #
REPT-1991-7 ..... 18 p2961 N91-26340 #
REPT-1991-11 ..... 19 p3143 N91-27370 #
REPT-7277-1 ..... 06 p0818 N91-14517 #
REPT-58906-00-105 ..... 03 p0421 N91-12355 #
REPT-58918-00-105 ..... 02 p0279 N91-11570 #
REPT-58918-00-105 ..... 09 p1316 N91-17223 #
REPT-58922-00-105 ..... 08 p1232 N91-16791 #
REPT-93928-12/RI-62240X ..... 15 p2434 N91-23485 #
REPT-010004-1 ..... 04 p0499 N91-12769 #
REPT-021535-1-F ..... 18 p3017 N91-26659 #
REPT-023921-1-F ..... 05 p0686 N91-13817* #
REPT-387929 ..... 13 p2129 N91-21719* #
REPT-636973 ..... 19 p3178 N91-27574 #
REPT-718295-9-VOL-2 ..... 12 p1882 N91-20348 #
REPT-718295-12-VOL-3 ..... 12 p1882 N91-20349 #
REPT-718295-16-VOL-6 ..... 12 p1883 N91-20350 #

RFP-4218 ..... 05 p0671 N91-13727 #
RFP-4253 ..... 05 p0676 N91-13757 #
RFP-4390 ..... 02 p0217 N91-11213 #
RFP-4413 ..... 20 p3332 N91-28452 #
RFP-4423 ..... 21 p3474 N91-29267 #
RFP-4432 ..... 04 p0532 N91-12953 #
RFP-4447 ..... 20 p3332 N91-28453 #
RFP-4475 ..... 17 p2888 N91-25967 #

RG-03-89 ..... 04 p0497 N91-12758 #

RI/RD-87-164 ..... 23 p3803 N91-31213* #
RI/RD-90-163 ..... 08 p1119 N91-16150* #
RI/RD-91-114 ..... 10 p1531 N91-18435* #
RI/RD-91-118 ..... 13 p2043 N91-21235* #
RI/RD-91-157 ..... 23 p3803 N91-31214* #
RI/RD-91-158-PHASE-2 ..... 23 p3804 N91-31219* #

RI/RD89-186 ..... 16 p2614 N91-24471* #
RI/RD89-261-VOL-4 ..... 01 p0019 N91-10114* #

RI/SC5554.FR ..... 09 p1318 N91-17235 #

RIACS-TR-89-32 ..... 24 p4084 N91-32814* #
RIACS-TR-89-36 ..... 24 p4089 N91-32845* #
RIACS-TR-89-45 ..... 24 p4021 N91-32472* #
RIACS-TR-90-2 ..... 24 p4084 N91-32815* #
RIACS-TR-90-4 ..... 24 p4081 N91-32798* #
RIACS-TR-90-5 ..... 24 p4035 N91-32545* #
RIACS-TR-90-11 ..... 24 p4081 N91-32797* #
RIACS-TR-90-20 ..... 24 p4093 N91-32865* #
RIACS-TR-90-21 ..... 13 p2136 N91-21764 #
RIACS-TR-90-22 ..... 24 p4092 N91-32864* #
RIACS-TR-90-25 ..... 24 p4089 N91-32846* #
RIACS-TR-90-27 ..... 24 p4084 N91-32816* #
RIACS-TR-90-28 ..... 24 p4081 N91-32799* #
RIACS-TR-90-29 ..... 24 p4091 N91-32859* #
RIACS-TR-90-30 ..... 24 p4081 N91-32800* #
RIACS-TR-90-38 ..... 24 p4089 N91-32844* #
RIACS-TR-90-39 ..... 24 p4089 N91-32847* #
RIACS-TR-90-40 ..... 24 p4082 N91-32801* #
RIACS-TR-90-44 ..... 24 p4084 N91-32817* #
RIACS-TR-90-51 ..... 24 p4084 N91-32818* #
RIACS-TR-91-04 ..... 24 p4085 N91-32819* #
RIACS-TR-91-05 ..... 24 p4116 N91-33005* #
RIACS-TR-91-07 ..... 24 p4089 N91-32848* #
RIACS-TR-91-08 ..... 24 p4082 N91-32802* #
RIACS-TR-91-09 ..... 24 p4085 N91-32820* #
RIACS-TR-91-10 ..... 24 p4087 N91-32836* #
RIACS-TR-91-11 ..... 24 p4085 N91-32821* #
RIACS-TR-91-13 ..... 24 p4085 N91-32822* #

RISC-90/43 ..... 13 p2171 N91-21984 #

RISOE-M-2861-PT-2-PHASE-4 ..... 09 p1368 N91-17520 #

RIVM-222201001 ..... 19 p3188 N91-27628 #
RIVM-222501001 ..... 18 p3013 N91-26638

RL-TR-91-6 ..... 18 p2978 N91-26441 #
RL-TR-91-10 ..... 18 p2978 N91-26444 #
RL-TR-91-15 ..... 19 p3218 N91-27787 #
RL-TR-91-17 ..... 21 p3553 N91-29740 #
RL-TR-91-18 ..... 19 p3225 N91-27828 #
RL-TR-91-19 ..... 18 p2976 N91-26429 #
RL-TR-91-22 ..... 19 p3245 N91-27949 #
RL-TR-91-28 ..... 19 p3171 N91-27535 #
RL-TR-91-29 ..... 18 p3075 N91-26993 #
RL-TR-91-32 ..... 18 p2976 N91-26430 #

RL-TR-91-34 ..... 19 p3150 N91-27409 #
RL-TR-91-36-VOL-1 ..... 22 p3723 N91-30717 #
RL-TR-91-36-VOL-2A ..... 22 p3723 N91-30718 #
RL-TR-91-36-VOL-2B ..... 22 p3723 N91-30719 #
RL-TR-91-38 ..... 19 p3159 N91-27463 #
RL-TR-91-40 ..... 19 p3246 N91-27955 #
RL-TR-91-42 ..... 19 p3151 N91-27416 #
RL-TR-91-45 ..... 19 p3151 N91-27415 #
RL-TR-91-47 ..... 19 p3245 N91-27946 #
RL-TR-91-48 ..... 18 p3075 N91-26994 #
RL-TR-91-50 ..... 19 p3120 N91-27236 #
RL-TR-91-55 ..... 20 p3337 N91-28478 #
RL-TR-91-57-VOL-1 ..... 19 p3152 N91-27426 #
RL-TR-91-62 ..... 19 p3234 N91-27883 #
RL-TR-91-63 ..... 19 p3243 N91-27935 #
RL-TR-91-72 ..... 21 p3603 N91-30048 #
RL-TR-91-76-VOL-1 ..... 21 p3560 N91-29786 #
RL-TR-91-81 ..... 21 p3505 N91-29451 #
RL-TR-91-83 ..... 21 p3506 N91-29463 #
RL-TR-91-87 ..... 20 p3383 N91-28745 #
RL-TR-91-92 ..... 21 p3519 N91-29543 #
RL-TR-91-93 ..... 21 p3501 N91-29427 #
RL-TR-91-95 ..... 21 p3598 N91-30018 #
RL-TR-91-97 ..... 21 p3572 N91-29863 #
RL-TR-91-156-VOL-1 ..... 20 p3333 N91-28460 #
RL-TR-91-156-VOL-2 ..... 20 p3333 N91-28461 #
RL-TR-91-164 ..... 23 p3857 N91-31505 #

RND-91-005 ..... 19 p3233 N91-27874* #

RPI-CHE/PCW-89-01 ..... 06 p0826 N91-14566 #

RPI-TR-90-29 ..... 08 p1201 N91-16606 #

RPI-5-24088 ..... 07 p1049 N91-15757 #

RPT-2210-90-FR ..... 16 p2580 N91-24300* #

RPT/E0070.66A ..... 09 p1300 N91-17135* #
RPT/E0095.68 ..... 16 p2580 N91-24300* #

RR-CE-109-PT-1 ..... 19 p3166 N91-27507 #
RR-CE-110-PT-2 ..... 19 p3166 N91-27508 #
RR-CE-111-PT-3 ..... 19 p3166 N91-27509 #

RR-CS-90-32 ..... 08 p1210 N91-16659 #

RR-380 ..... 07 p1011 N91-15550 #
RR-381 ..... 07 p1063 N91-15846 #
RR-388 ..... 11 p1778 N91-19753 #
RR-389 ..... 07 p1060 N91-15826 #
RR-390 ..... 08 p1210 N91-16658 #
RR-391 ..... 07 p1060 N91-15827 #
RR-392 ..... 07 p1060 N91-15828 #
RR-393 ..... 07 p1060 N91-15829 #
RR-396 ..... 07 p1060 N91-15830 #
RR-397 ..... 07 p1055 N91-15796 #
RR-398 ..... 07 p0945 N91-15181 #
RR-399 ..... 07 p1055 N91-15797 #
RR-400-PT-2 ..... 11 p1778 N91-19754 #
RR-401 ..... 07 p0996 N91-15468 #
RR-404 ..... 11 p1786 N91-19797 #
RR-408-PT-1 ..... 11 p1784 N91-19789 #
RR-409 ..... 11 p1700 N91-19362 #
RR-410 ..... 11 p1780 N91-19761 #
RR-411 ..... 11 p1781 N91-19772 #
RR-412 ..... 11 p1797 N91-19864 #
RR-413 ..... 11 p1798 N91-19865 #
RR-414 ..... 11 p1798 N91-19866 #
RR-418 ..... 22 p3742 N91-30846 #
RR-419 ..... 11 p1798 N91-19867 #
RR-420 ..... 22 p3747 N91-30885 #
RR-421 ..... 22 p3730 N91-30762 #
RR-422 ..... 22 p3745 N91-30870 #
RR-821-M ..... 16 p2680 N91-24836 #
RR-822-M ..... 15 p2496 N91-23823 #
RR-823-I ..... 15 p2480 N91-23726 #
RR-824-I ..... 15 p2418 N91-23393 #
RR-825-I ..... 15 p2413 N91-23362 #
RR-826-I ..... 15 p2488 N91-23778 #
RR-827-M ..... 15 p2496 N91-23824 #
RR-828-I-IMAG-116-LIFIA ..... 15 p2485 N91-23756 #
RR-829-M ..... 16 p2678 N91-24820 #
RR-830-M ..... 15 p2493 N91-23808 #
RR-831-I-IMAG-118-LIFIA ..... 15 p2494 N91-23810 #
RR-832-I-IMAG-99-LIFIA ..... 15 p2489 N91-23780 #
RR-833-I ..... 15 p2489 N91-23779 #
RR-834-I-AND-M ..... 15 p2484 N91-23755 #
RR-835-I ..... 15 p2524 N91-23989 #
RR-836-I-AND-M ..... 15 p2496 N91-23825 #
RR-837-I ..... 15 p2496 N91-23822 #
RR-838-M ..... 15 p2494 N91-23809 #
RR-1141-2F ..... 09 p1349 N91-17408 #

RRC-90-R-1439 ..... 03 p0346 N91-11937 #

RRK-89-23 ..... 08 p1212 N91-16671 #
RRK-90-2 ..... 02 p0239 N91-11331 #
RRK-90-3 ..... 02 p0265 N91-11484 #
RRK-90-4 ..... 04 p0592 N91-13306 #
RRK-90-8 ..... 02 p0292 N91-11636 #
RRK-90-05 ..... 02 p0292 N91-11639 #
RRK-90-06 ..... 02 p0292 N91-11638 #
RRK-90-07 ..... 02 p0292 N91-11637 #
RRK-90-11 ..... 11 p1818 N91-19988 #

RSIC-BIB-4 ..... 04 p0513 N91-12848 #

RSL-TR-8240-2 ..... 23 p3855 N91-31492* #
RSL-TR-8760-2 ..... 23 p3897 N91-31750* #
RSL-TR-8760-3 ..... 22 p3663 N91-30392* #

RSRE-MEMO-3699 ..... 08 p1126 N91-16192 #
RSRE-MEMO-4281 ..... 21 p3482 N91-29316 #
RSRE-MEMO-4339 ..... 12 p1905 N91-20482 #
RSRE-MEMO-4375 ..... 08 p1127 N91-16193 #
RSRE-MEMO-4385 ..... 01 p0110 N91-10639 #
RSRE-MEMO-4401 ..... 09 p1326 N91-17283 #
RSRE-MEMO-4409 ..... 09 p1379 N91-17580 #
RSRE-MEMO-4410 ..... 15 p2413 N91-23364 #
RSRE-MEMO-4415 ..... 10 p1529 N91-18422 #
RSRE-MEMO-4416 ..... 07 p1066 N91-15862 #
RSRE-MEMO-4417 ..... 07 p1066 N91-15863 #
RSRE-MEMO-4418 ..... 16 p2688 N91-24881 #
RSRE-MEMO-4421 ..... 22 p3729 N91-30757 #
RSRE-MEMO-4430 ..... 12 p1959 N91-20779 #
RSRE-MEMO-4436 ..... 12 p1959 N91-20780 #
RSRE-MEMO-4437 ..... 22 p3747 N91-30884 #
RSRE-MEMO-4438 ..... 15 p2484 N91-23753 #
RSRE-MEMO-4441 ..... 12 p1959 N91-20781 #
RSRE-MEMO-4445 ..... 15 p2500 N91-23846 #
RSRE-MEMO-4450 ..... 15 p2418 N91-23394 #
RSRE-MEMO-4451 ..... 15 p2517 N91-23949 #
RSRE-MEMO-4453 ..... 15 p2494 N91-23811 #
RSRE-MEMO-4454 ..... 15 p2418 N91-23395 #
RSRE-MEMO-4460 ..... 22 p3617 N91-30123 #
RSRE-MEMO-4462 ..... 22 p3729 N91-30758 #
RSRE-MEMO-4463 ..... 22 p3664 N91-30401 #
RSRE-MEMO-4465 ..... 22 p3729 N91-30759 #
RSRE-MEMO-4469 ..... 22 p3718 N91-30694 #

RSRE-88014 ..... 07 p1049 N91-15756 #
RSRE-90008 ..... 05 p0731 N91-14085 #
RSRE-90019 ..... 12 p1999 N91-21003 #
RSRE-90023 ..... 15 p2500 N91-23845 #
RSRE-91003 ..... 22 p3729 N91-30755 #
RSRE-91005 ..... 22 p3729 N91-30756 #

RSS-8826-12 ..... 02 p0220 N91-11233* #

RT-SC5544-FR ..... 19 p3246 N91-27950 #

RTI-83U-3629 ..... 09 p1410 N91-17758 #
RTI-83U-3629 ..... 09 p1410 N91-17759 #
RTI-83U-3629 ..... 16 p2694 N91-24919 #
RTI-3629-90 ..... 16 p2694 N91-24919 #

RTI/3629/90 ..... 16 p2694 N91-24915 #
RTI/4500/004-01I ..... 22 p3728 N91-30748* #

RTR-161-01 ..... 16 p2563 N91-24212* #
RTR-174-01-VOL-1 ..... 02 p0185 N91-11037* #
RTR-174-01-VOL-2 ..... 02 p0185 N91-11038* #
RTR-193-04 ..... 23 p3914 N91-31853* #

RU-89/B1/55 ..... 08 p1239 N91-16827 #

RUU-CS-89-12 ..... 05 p0709 N91-13954 #
RUU-CS-89-33 ..... 04 p0565 N91-13138 #
RUU-CS-90-1 ..... 04 p0565 N91-13139 #
RUU-CS-90-3 ..... 04 p0565 N91-13140 #
RUU-CS-90-7 ..... 04 p0575 N91-13199 #
RUU-CS-90-8 ..... 04 p0566 N91-13141 #
RUU-CS-90-10 ..... 04 p0568 N91-13154 #
RUU-CS-90-16 ..... 04 p0569 N91-13155 #
RUU-CS-90-17 ..... 04 p0569 N91-13156 #
RUU-CS-90-18 ..... 04 p0566 N91-13142 #
RUU-CS-90-19 ..... 06 p0863 N91-14767 #
RUU-CS-90-20 ..... 06 p0864 N91-14777 #
RUU-CS-90-21 ..... 06 p0858 N91-14736 #
RUU-CS-90-22 ..... 06 p0867 N91-14793 #
RUU-CS-90-24 ..... 23 p3910 N91-31827 #
RUU-CS-90-25 ..... 23 p3936 N91-31997 #
RUU-CS-90-28 ..... 23 p3920 N91-31896 #
RUU-CS-90-29 ..... 23 p3920 N91-31897 #
RUU-CS-90-30 ..... 23 p3910 N91-31828 #
RUU-CS-90-31 ..... 23 p3910 N91-31829 #
RUU-CS-90-32 ..... 23 p3920 N91-31898 #
RUU-CS-90-33 ..... 23 p3920 N91-31899 #
RUU-CS-90-34 ..... 23 p3910 N91-31830 #
RUU-CS-90-35 ..... 23 p3910 N91-31831 #
RUU-CS-90-36 ..... 23 p3910 N91-31832 #

RUU-CS-90-37 ..... 23 p3920 N91-31900 #
RUU-CS-90-38 ..... 23 p3911 N91-31833 #
RUU-CS-90-39 ..... 23 p3911 N91-31834 #
RUU-CS-90-40 ..... 23 p3911 N91-31835 #
RUU-CS-90-41 ..... 23 p3920 N91-31901 #
RUU-CS-90-42 ..... 23 p3922 N91-31917 #
RUU-CS-90-43 ..... 23 p3923 N91-31921 #
RUU-CS-91-01 ..... 23 p3911 N91-31836 #
RUU-CS-91-02 ..... 23 p3911 N91-31837 #
RUU-CS-91-03 ..... 23 p3911 N91-31838 #
RUU-CS-91-04 ..... 23 p3920 N91-31902 #
RUU-CS-91-05 ..... 23 p3921 N91-31903 #
RUU-CS-91-06 ..... 23 p3912 N91-31839 #

RWI-BS-R9034 ..... 17 p2844 N91-25718 #

RX-R-90081 ..... 12 p1897 N91-20431 #
RX-R-91011 ..... 19 p3108 N91-27172 #

R90-09-03 ..... 04 p0470 N91-12634 #
R90-900077-4 ..... 06 p0833 N91-14603* #
R91-18 ..... 19 p3201 N91-27695* #
R9004 ..... 21 p3564 N91-29808 #

S-HRG-101-981 ..... 13 p2170 N91-21977 #
S-HRG-101-1087 ..... 11 p1816 N91-19974 #
S-HRG-101-1099-PT-2 ..... 12 p1999 N91-21006 #
S-HRG-101-1146 ..... 11 p1815 N91-19969 #
S-HRG-101-1160 ..... 11 p1732 N91-19528 #

S-REPT-101-455 ..... 04 p0607 N91-13376 #
S-REPT-101-474 ..... 11 p1815 N91-19966 #
S-REPT-102-97 ..... 19 p3263 N91-28048 #

S-187 ..... 11 p1700 N91-19363 #
S-597 ..... 01 p0098 N91-10574* #
S-607 ..... 04 p0463 N91-12590* #
S-610 ..... 02 p0243 N91-11356* #
S-611 ..... 11 p1683 N91-19273* #
S-612 ..... 11 p1683 N91-19274* #
S-616 ..... 11 p1763 N91-19699* #
S-618-VOL-1 ..... 12 p1934 N91-20641* #
S-618-VOL-2 ..... 12 p1945 N91-20702* #
S-619 ..... 10 p1559 N91-18573* #
S-620 ..... 22 p3778 N91-31076* #
S-621 ..... 11 p1813 N91-19959* #
S-623 ..... 15 p2387 N91-23210* #
S-624-VOL-1 ..... 13 p2140 N91-21778* #
S-624-VOL-2 ..... 12 p1965 N91-20811* #
S-625 ..... 13 p2051 N91-21286* #
S-626 ..... 22 p3718 N91-30692* #
S-628 ..... 13 p2030 N91-21168* #
S-629 ..... 16 p2619 N91-24501* #
S-630 ..... 16 p2626 N91-24542* #
S-631 ..... 12 p1856 N91-20201* #
S-632 ..... 14 p2353 N91-23014* #
S-635 ..... 16 p2672 N91-24792* #
S-639 ..... 22 p3776 N91-31061* #
S-643 ..... 22 p3722 N91-30713* #
S-645 ..... 22 p3762 N91-30970* #
S-646 ..... 24 p4077 N91-32776* #

S/A-ANN-12-30-90 ..... 23 p3895 N91-31743 #

SAE-901928 ..... 05 p0624 N91-13460* #

SAF/AQT-SR-90-001 ..... 08 p1241 N91-16838 #
SAF/AQT-SR-90-004 ..... 14 p2340 N91-22940 #
SAF/AQT-SR-90-011 ..... 06 p0885 N91-14892* #
SAF/AQT-SR-90-013 ..... 05 p0730 N91-14079* #
SAF/AQT-SR-90-013 ..... 15 p2525 N91-23997 #
SAF/AQT-SR-90-014 ..... 15 p2525 N91-23996 #
SAF/AQT-SR-90-016 ..... 15 p2525 N91-23995 #

SAIC-CSS-TR-90-03 ..... 19 p3200 N91-27687 #

SAIC-90/1437 ..... 13 p2142 N91-21792 #
SAIC-90/1462 ..... 08 p1103 N91-16056* #
SAIC-90/1474 ..... 07 p1082 N91-15953* #
SAIC-91-1135 ..... 19 p3160 N91-27473 #
SAIC-91/1136/APPAT-143 ..... 20 p3421 N91-28970 #

SAIC/CSS-TR-C89-01 ..... 14 p2286 N91-22640 #

SAIC/FW-TP-210 ..... 17 p2772 N91-25337 #

SAND-85-0699 ..... 08 p1147 N91-16317 #
SAND-86-2742 ..... 12 p1920 N91-20561 #
SAND-87-0645 ..... 08 p1107 N91-16079 #
SAND-88-1215 ..... 04 p0529 N91-12936 #
SAND-88-2174 ..... 08 p1130 N91-16217 #
SAND-88-2291 ..... 24 p4088 N91-32843 #
SAND-88-2466 ..... 06 p0844 N91-14661 #
SAND-88-2554C ..... 21 p3593 N91-29985 #
SAND-88-7113 ..... 16 p2607 N91-24450 #
SAND-89-0126C ..... 08 p1213 N91-16676 #

SAND-89-0423 ..... 02 p0206 N91-11155 #
SAND-89-0629 ..... 10 p1507 N91-18295 #
SAND-89-0688 ..... 03 p0359 N91-12013 #
SAND-89-0816 ..... 06 p0779 N91-14319 #
SAND-89-1023 ..... 13 p2056 N91-21314 #
SAND-89-1371 ..... 21 p3574 N91-29871 #
SAND-89-1628C ..... 09 p1356 N91-17448 #
SAND-89-1724 ..... 23 p3889 N91-31702 #
SAND-89-1866C ..... 17 p2763 N91-25295 #
SAND-89-1929 ..... 15 p2393 N91-23245 #
SAND-89-2229C ..... 08 p1169 N91-16438 #
SAND-89-2245C ..... 08 p1133 N91-16233 #
SAND-89-2284C ..... 01 p0129 N91-10762 #
SAND-89-2405 ..... 09 p1399 N91-17704 #
SAND-89-2464C ..... 08 p1233 N91-16795 #
SAND-89-2561C ..... 09 p1375 N91-17556 #
SAND-89-2656 ..... 02 p0202 N91-11131 #
SAND-89-2658 ..... 08 p1098 N91-16027 #
SAND-89-2738C ..... 06 p0879 N91-14853 #
SAND-89-2769C ..... 08 p1133 N91-16232 #
SAND-89-2771C ..... 01 p0129 N91-10765 #
SAND-89-2869C ..... 13 p2161 N91-21914 #
SAND-89-2877C ..... 01 p0118 N91-10696 #
SAND-89-2930C ..... 08 p1209 N91-16647 #
SAND-89-2951 ..... 08 p1196 N91-16575 #
SAND-89-2956 ..... 08 p1101 N91-16043 #
SAND-89-2985C ..... 08 p1197 N91-16579 #
SAND-89-3042C ..... 09 p1356 N91-17450 #
SAND-89-3107 ..... 11 p1694 N91-19330 #
SAND-89-8253 ..... 08 p1152 N91-16345 #
SAND-90-0001C ..... 08 p1131 N91-16221 #
SAND-90-0031C ..... 09 p1319 N91-17245 #
SAND-90-0085 ..... 08 p1157 N91-16371 #
SAND-90-0097C ..... 02 p0231 N91-11289 #
SAND-90-0102 ..... 13 p2101 N91-21564 #
SAND-90-0125C ..... 08 p1138 N91-16264 #
SAND-90-0139C ..... 08 p1213 N91-16675 #
SAND-90-0179C ..... 05 p0615 N91-13413* #
SAND-90-0230C ..... 08 p1121 N91-16160 #
SAND-90-0252 ..... 17 p2777 N91-25369 #
SAND-90-0253 ..... 23 p3868 N91-31573 #
SAND-90-0300C ..... 08 p1149 N91-16325 #
SAND-90-0312 ..... 16 p2687 N91-24875 #
SAND-90-0344C ..... 08 p1220 N91-16718 #
SAND-90-0348C ..... 08 p1101 N91-16044 #
SAND-90-0367C ..... 08 p1130 N91-16218 #
SAND-90-0368C ..... 08 p1161 N91-16394 #
SAND-90-0388 ..... 08 p1098 N91-16028 #
SAND-90-0390 ..... 02 p0206 N91-11151 #
SAND-90-0396 ..... 08 p1226 N91-16753 #
SAND-90-0404 ..... 06 p0849 N91-14687 #
SAND-90-0410C ..... 08 p1131 N91-16219 #
SAND-90-0416 ..... 04 p0571 N91-13172 #
SAND-90-0436C ..... 09 p1409 N91-17752 #
SAND-90-0440 ..... 04 p0513 N91-12850 #
SAND-90-0449C ..... 08 p1158 N91-16380 #
SAND-90-0462 ..... 08 p1175 N91-16468 #
SAND-90-0501C ..... 08 p1131 N91-16220 #
SAND-90-0519 ..... 08 p1124 N91-16180 #
SAND-90-0577C ..... 08 p1121 N91-16161 #
SAND-90-0593 ..... 01 p0118 N91-10700 #
SAND-90-0610 ..... 13 p2095 N91-21536 #
SAND-90-0612 ..... 04 p0544 N91-13017 #
SAND-90-0641C ..... 21 p3521 N91-29553 #
SAND-90-0647C ..... 01 p0031 N91-10183 #
SAND-90-0650C ..... 02 p0206 N91-11153 #
SAND-90-0688C ..... 02 p0226 N91-11263 #
SAND-90-0736C ..... 06 p0824 N91-14553 #
SAND-90-0740C ..... 20 p3399 N91-28841 #
SAND-90-0791C ..... 17 p2759 N91-25277 #
SAND-90-0805 ..... 11 p1695 N91-19334 #
SAND-90-0844C ..... 23 p3809 N91-31248 #
SAND-90-0845C ..... 23 p3817 N91-31292 #
SAND-90-0846C ..... 23 p3817 N91-31293 #
SAND-90-0883C ..... 04 p0537 N91-12977 #
SAND-90-0884C ..... 05 p0683 N91-13800 #
SAND-90-0897C ..... 07 p0986 N91-15410 #
SAND-90-0903C ..... 06 p0842 N91-14649 #
SAND-90-0905 ..... 16 p2621 N91-24515 #
SAND-90-0934C ..... 20 p3367 N91-28651 #
SAND-90-0945 ..... 15 p2411 N91-23349 #
SAND-90-0947C ..... 20 p3367 N91-28653 #
SAND-90-0953C ..... 06 p0820 N91-14532 #
SAND-90-0957C ..... 05 p0679 N91-13773 #
SAND-90-0968C ..... 04 p0585 N91-13266 #
SAND-90-0973C ..... 18 p3000 N91-26570 #
SAND-90-0993C ..... 02 p0198 N91-11111 #
SAND-90-1002C ..... 01 p0125 N91-10736 #
SAND-90-1016C ..... 07 p0976 N91-15355 #
SAND-90-1018 ..... 15 p2404 N91-23314 #
SAND-90-1032 ..... 17 p2863 N91-25831 #
SAND-90-1050 ..... 20 p3336 N91-28475 #
SAND-90-1064C ..... 05 p0673 N91-13745 #
SAND-90-1068C ..... 06 p0809 N91-14469 #
SAND-90-1077C ..... 08 p1232 N91-16789 #
SAND-90-1085C ..... 01 p0037 N91-10218 #

SAND-90-1094C ..... 06 p0882 N91-14877 #
SAND-90-1122 ..... 07 p0994 N91-15457 #
SAND-90-1131C ..... 06 p0879 N91-14854 #
SAND-90-1148C ..... 04 p0543 N91-13014 #
SAND-90-1149C ..... 04 p0544 N91-13016 #
SAND-90-1169C ..... 06 p0838 N91-14633 #
SAND-90-1191C ..... 10 p1496 N91-18236 #
SAND-90-1195 ..... 11 p1698 N91-19352 #
SAND-90-1200-C-EXTD-ABST ..... 02 p0219 N91-11221 #
SAND-90-1201C ..... 06 p0842 N91-14652 #
SAND-90-1205 ..... 07 p1071 N91-15892 #
SAND-90-1209C ..... 08 p1132 N91-16226 #
SAND-90-1239C ..... 06 p0882 N91-14875 #
SAND-90-1250 ..... 02 p0189 N91-11057 #
SAND-90-1259C ..... 06 p0842 N91-14651 #
SAND-90-1291 ..... 04 p0573 N91-13184 #
SAND-90-1302 ..... 06 p0820 N91-14531 #
SAND-90-1323C ..... 02 p0184 N91-11033 #
SAND-90-1351 ..... 07 p1026 N91-15629 #
SAND-90-1372C ..... 07 p1068 N91-15878 #
SAND-90-1384C-PT-1 ..... 07 p0962 N91-15296 #
SAND-90-1384C-PT-2 ..... 08 p1102 N91-16054 #
SAND-90-1387C ..... 06 p0876 N91-14844 #
SAND-90-1394C ..... 08 p1118 N91-16144 #
SAND-90-1441C ..... 07 p0979 N91-15371 #
SAND-90-1478C ..... 11 p1802 N91-19896 #
SAND-90-1491C ..... 01 p0120 N91-10713 #
SAND-90-1511C ..... 10 p1495 N91-18231 #
SAND-90-1544 ..... 04 p0518 N91-12879 #
SAND-90-1579C ..... 04 p0527 N91-12922 #
SAND-90-1583C ..... 01 p0056 N91-10329 #
SAND-90-1587C ..... 05 p0616 N91-13419 #
SAND-90-1596C ..... 09 p1341 N91-17365 #
SAND-90-1609C ..... 11 p1710 N91-19421 #
SAND-90-1648C ..... 10 p1528 N91-18414 #
SAND-90-1675C ..... 04 p0498 N91-12765 #
SAND-90-1676C ..... 02 p0280 N91-11573 #
SAND-90-1680 ..... 01 p0034 N91-10202 #
SAND-90-1693C ..... 01 p0026 N91-10154 #
SAND-90-1694C ..... 01 p0026 N91-10153 #
SAND-90-1698C ..... 09 p1413 N91-17779 #
SAND-90-1701 ..... 16 p2671 N91-24786 #
SAND-90-1704 ..... 18 p3043 N91-26798 #
SAND-90-1705C ..... 10 p1576 N91-18673 #
SAND-90-1706C ..... 13 p2139 N91-21773 #
SAND-90-1712C ..... 15 p2417 N91-23386 #
SAND-90-1714C ..... 07 p0985 N91-15408 #
SAND-90-1715C ..... 07 p1065 N91-15855 #
SAND-90-1718C ..... 02 p0277 N91-11559 #
SAND-90-1725C ..... 05 p0653 N91-13625 #
SAND-90-1740C ..... 10 p1610 N91-18885 #
SAND-90-1743C ..... 09 p1310 N91-17193 #
SAND-90-1745C ..... 15 p2433 N91-23477 #
SAND-90-1754C ..... 11 p1804 N91-19907 #
SAND-90-1755C ..... 02 p0277 N91-11560 #
SAND-90-1756C ..... 02 p0278 N91-11561 #
SAND-90-1770C ..... 06 p0832 N91-14598 #
SAND-90-1772C ..... 08 p1235 N91-16805 #
SAND-90-1779C ..... 05 p0684 N91-13806 #
SAND-90-1787C ..... 09 p1399 N91-17700 #
SAND-90-1789C ..... 06 p0806 N91-14450 #
SAND-90-1850C ..... 15 p2425 N91-23431 #
SAND-90-1851C ..... 13 p2050 N91-21280 #
SAND-90-1875C ..... 08 p1236 N91-16812 #
SAND-90-1911C ..... 05 p0726 N91-14056 #
SAND-90-1925 ..... 06 p0825 N91-14561 #
SAND-90-1944C ..... 01 p0046 N91-10275 #
SAND-90-1962 ..... 04 p0488 N91-12711 #
SAND-90-1978C ..... 05 p0672 N91-13736 #
SAND-90-2001C ..... 11 p1780 N91-19767 #
SAND-90-2008C ..... 09 p1356 N91-17446 #
SAND-90-2018C ..... 01 p0125 N91-10737 #
SAND-90-2025C ..... 11 p1785 N91-19793 #
SAND-90-2030C ..... 09 p1356 N91-17449 #
SAND-90-2034C ..... 02 p0254 N91-11410 #
SAND-90-2053C ..... 02 p0219 N91-11222 #
SAND-90-2054C ..... 23 p3807 N91-31237 #
SAND-90-2058C ..... 01 p0029 N91-10172 #
SAND-90-2060C ..... 01 p0022 N91-10132 #
SAND-90-2064C ..... 09 p1319 N91-17243 #
SAND-90-2066C ..... 01 p0111 N91-10649 #
SAND-90-2091 ..... 06 p0819 N91-14524 #
SAND-90-2092 ..... 20 p3340 N91-28500 #
SAND-90-2103 ..... 17 p2770 N91-25329 #
SAND-90-2108C ..... 02 p0198 N91-11110 #
SAND-90-2112 ..... 20 p3339 N91-28496 #
SAND-90-2113C ..... 11 p1644 N91-19065 #
SAND-90-2124C ..... 12 p1832 N91-20066 #
SAND-90-2148C ..... 07 p1004 N91-15514 #
SAND-90-2153C ..... 02 p0221 N91-11235 #
SAND-90-2158C ..... 12 p1830 N91-20059 #
SAND-90-2164C ..... 15 p2458 N91-23619 #
SAND-90-2166C ..... 07 p1015 N91-15570 #
SAND-90-2167C ..... 17 p2805 N91-25509 #
SAND-90-2168 ..... 06 p0815 N91-14504 #
SAND-90-2172 ..... 21 p3503 N91-29440 #
SAND-90-2173C ..... 02 p0206 N91-11154 #
SAND-90-2178C ..... 15 p2365 N91-23085 #
SAND-90-2191C ..... 02 p0278 N91-11563 #
SAND-90-2192C ..... 08 p1134 N91-16240 #
SAND-90-2203C ..... 02 p0195 N91-11089 #
SAND-90-2217C ..... 04 p0590 N91-13296 #
SAND-90-2220C ..... 11 p1643 N91-19064 #
SAND-90-2231C ..... 15 p2438 N91-23507 #
SAND-90-2244C ..... 04 p0590 N91-13295 #
SAND-90-2246C ..... 11 p1697 N91-19344 #
SAND-90-2251C ..... 04 p0502 N91-12790 #
SAND-90-2252C ..... 10 p1558 N91-18565 #
SAND-90-2253C ..... 10 p1557 N91-18564 #
SAND-90-2255C ..... 01 p0108 N91-10630 #
SAND-90-2272C ..... 02 p0231 N91-11290 #
SAND-90-2281C ..... 23 p3886 N91-31689 #
SAND-90-2282C ..... 02 p0278 N91-11562 #
SAND-90-2291C ..... 07 p0998 N91-15480 #
SAND-90-2294C ..... 07 p0998 N91-15479 #
SAND-90-2302C ..... 02 p0282 N91-11584 #
SAND-90-2306C ..... 10 p1505 N91-18285 #
SAND-90-2316 ..... 06 p0819 N91-14525 #
SAND-90-2330C ..... 07 p1077 N91-15927 #
SAND-90-2331C ..... 18 p3065 N91-26936 #
SAND-90-2336C ..... 13 p2143 N91-21802 #
SAND-90-2337 ..... 10 p1485 N91-18182 #
SAND-90-2341 ..... 11 p1692 N91-19322 #
SAND-90-2361C ..... 10 p1518 N91-18357 #
SAND-90-2371C ..... 07 p0999 N91-15486 #
SAND-90-2372C ..... 07 p0999 N91-15487 #
SAND-90-2373 ..... 07 p0945 N91-15179 #
SAND-90-2383C ..... 11 p1781 N91-19768 #
SAND-90-2400C ..... 02 p0220 N91-11231 #
SAND-90-2418C ..... 20 p3342 N91-28505 #
SAND-90-2419C ..... 03 p0370 N91-12073 #
SAND-90-2433 ..... 17 p2785 N91-25410 #
SAND-90-2435C ..... 10 p1519 N91-18364 #
SAND-90-2437C ..... 13 p2134 N91-21750 #
SAND-90-2440C ..... 05 p0713 N91-13977 #
SAND-90-2460 ..... 11 p1652 N91-19103 #
SAND-90-2472C ..... 11 p1716 N91-19448 #
SAND-90-2474C ..... 18 p2934 N91-26186 #
SAND-90-2490C ..... 10 p1539 N91-18470 #
SAND-90-2494C ..... 05 p0651 N91-13617 #
SAND-90-2515C ..... 17 p2841 N91-25702 #
SAND-90-2533 ..... 20 p3348 N91-28543 #
SAND-90-2538C ..... 06 p0842 N91-14650 #
SAND-90-2539C ..... 10 p1592 N91-18778 #
SAND-90-2541C ..... 15 p2507 N91-23892 #
SAND-90-2548C ..... 11 p1682 N91-19269 #
SAND-90-2549C ..... 05 p0713 N91-13980 #
SAND-90-2550C ..... 13 p2134 N91-21749 #
SAND-90-2552 ..... 13 p2091 N91-21507 #
SAND-90-2553C ..... 05 p0635 N91-13521 #
SAND-90-2557C ..... 06 p0811 N91-14480 #
SAND-90-2558C ..... 18 p2988 N91-26495 #
SAND-90-2587C ..... 06 p0841 N91-14645 #
SAND-90-2589C ..... 08 p1197 N91-16581 #
SAND-90-2597C ..... 05 p0683 N91-13795 #
SAND-90-2598C ..... 05 p0682 N91-13793 #
SAND-90-2602 ..... 17 p2771 N91-25333 #
SAND-90-2634C ..... 20 p3323 N91-28395 #
SAND-90-2646C ..... 11 p1688 N91-19303 #
SAND-90-2670C ..... 06 p0841 N91-14646 #
SAND-90-2671C ..... 20 p3385 N91-28756 #
SAND-90-2674C ..... 10 p1544 N91-18497 #
SAND-90-2690C ..... 20 p3360 N91-28616 #
SAND-90-2698C ..... 09 p1375 N91-17554 #
SAND-90-2724C ..... 06 p0820 N91-14533 #
SAND-90-2730C ..... 05 p0715 N91-13990 #
SAND-90-2737 ..... 13 p2101 N91-21565 #
SAND-90-2739C ..... 17 p2873 N91-25893 #
SAND-90-2754C ..... 11 p1810 N91-19942 #
SAND-90-2764C ..... 07 p1061 N91-15838 #
SAND-90-2778C ..... 06 p0807 N91-14458 #
SAND-90-2780C ..... 15 p2418 N91-23389 #
SAND-90-2789C ..... 16 p2630 N91-24563 #
SAND-90-2800C ..... 09 p1343 N91-17377 #
SAND-90-2813C ..... 21 p3508 N91-29478 #
SAND-90-2815C ..... 21 p3509 N91-29479 #
SAND-90-2829C ..... 07 p0985 N91-15409 #
SAND-90-2831C ..... 10 p1500 N91-18254 #
SAND-90-2881C ..... 24 p4007 N91-32403 #
SAND-90-2883C ..... 15 p2506 N91-23885 #
SAND-90-2884C ..... 06 p0813 N91-14493 #
SAND-90-2892 ..... 16 p2690 N91-24895 #
SAND-90-2909C ..... 06 p0810 N91-14473 #
SAND-90-2926 ..... 18 p3016 N91-26653 #
SAND-90-2929C ..... 11 p1687 N91-19297 #
SAND-90-2931C ..... 10 p1504 N91-18277 #
SAND-90-2933C ..... 08 p1134 N91-16242 #
SAND-90-2935C ..... 07 p1012 N91-15555 #
SAND-90-2946C ..... 10 p1540 N91-18475 #
SAND-90-2961C ..... 20 p3329 N91-28434 #
SAND-90-2966C ..... 09 p1356 N91-17447 #
SAND-90-2983C ..... 10 p1613 N91-18901 #

SAND-90-2993 ..... 13 p2168 N91-21964 #
SAND-90-2994C ..... 18 p2970 N91-26398 #
SAND-90-2998C ..... 13 p2091 N91-21510 #
SAND-90-3000C ..... 21 p3480 N91-29303 #
SAND-90-3007C ..... 20 p3332 N91-28451 #
SAND-90-3020C ..... 21 p3509 N91-29483 #
SAND-90-3023C ..... 20 p3324 N91-28402 #
SAND-90-3032C ..... 23 p3813 N91-31272 #
SAND-90-3033C ..... 20 p3322 N91-28393 #
SAND-90-3049C ..... 15 p2444 N91-23537 #
SAND-90-3057C ..... 08 p1115 N91-16127 #
SAND-90-3072C ..... 21 p3504 N91-29446 #
SAND-90-3073C ..... 21 p3504 N91-29445 #
SAND-90-3080C ..... 21 p3601 N91-30037 #
SAND-90-3082C ..... 09 p1415 N91-17790 #
SAND-90-3085C ..... 17 p2770 N91-25331 #
SAND-90-3100C ..... 20 p3434 N91-29051 #
SAND-90-3106C ..... 23 p3933 N91-31978 #
SAND-90-3113C ..... 11 p1711 N91-19424 #
SAND-90-3114C ..... 09 p1342 N91-17373 #
SAND-90-3122 ..... 13 p2091 N91-21506 #
SAND-90-3125C ..... 21 p3497 N91-29402 #
SAND-90-3129C ..... 15 p2444 N91-23536 #
SAND-90-3130C ..... 20 p3433 N91-29047 #
SAND-90-3142C ..... 11 p1727 N91-19510 #
SAND-90-3143C ..... 13 p2052 N91-21292 #
SAND-90-3144C ..... 18 p2957 N91-26320 #
SAND-90-3150 ..... 21 p3603 N91-30045 #
SAND-90-3159C ..... 09 p1414 N91-17781 #
SAND-90-3172C ..... 20 p3336 N91-28473 #
SAND-90-3182 ..... 15 p2442 N91-23526 #
SAND-90-3186C ..... 20 p3337 N91-28483 #
SAND-90-3189C ..... 15 p2515 N91-23939 #
SAND-90-3190C ..... 21 p3463 N91-29203 #
SAND-90-3200C ..... 10 p1608 N91-18872 #
SAND-90-3202C ..... 10 p1613 N91-18903 #
SAND-90-3213C ..... 24 p4106 N91-32944 #
SAND-90-3224C ..... 10 p1609 N91-18877 #
SAND-90-3227C ..... 15 p2425 N91-23432 #
SAND-90-3230C ..... 20 p3302 N91-28274 #
SAND-90-3233C ..... 11 p1807 N91-19922 #
SAND-90-3269C ..... 11 p1809 N91-19936 #
SAND-90-7030 ..... 04 p0544 N91-13015 #
SAND-90-7032 ..... 02 p0270 N91-11516 #
SAND-90-7033 ..... 10 p1541 N91-18481 #
SAND-90-7034 ..... 21 p3471 N91-29252 #
SAND-90-7035 ..... 13 p2054 N91-21305 #
SAND-90-7036 ..... 24 p4040 N91-32574 #
SAND-90-7037 ..... 20 p3369 N91-28662 #
SAND-90-7038 ..... 23 p3891 N91-31715 #
SAND-90-7111 ..... 20 p3279 N91-28133 #
SAND-90-8003 ..... 18 p2951 N91-26285 #
SAND-90-8015 ..... 06 p0828 N91-14573 #
SAND-90-8201 ..... 07 p0936 N91-15129* #
SAND-90-8204 ..... 04 p0532 N91-12951 #
SAND-90-8224 ..... 04 p0578 N91-13222 #
SAND-90-8231 ..... 10 p1532 N91-18438 #
SAND-90-8254 ..... 13 p2147 N91-21825 #
SAND-90-8486-PT-1 ..... 04 p0523 N91-12911 #
SAND-91-0011C ..... 13 p2160 N91-21912 #
SAND-91-0012C ..... 09 p1330 N91-17306 #
SAND-91-0031C ..... 21 p3483 N91-29320 #
SAND-91-0038C ..... 11 p1708 N91-19408 #
SAND-91-0039C ..... 20 p3329 N91-28439 #
SAND-91-0041C ..... 24 p3980 N91-32233 #
SAND-91-0043C ..... 15 p2512 N91-23919 #
SAND-91-0054C ..... 20 p3325 N91-28411 #
SAND-91-0057C ..... 21 p3497 N91-29406 #
SAND-91-0060C ..... 20 p3363 N91-28631 #
SAND-91-0061C ..... 23 p3820 N91-31309 #
SAND-91-0062C ..... 21 p3453 N91-29151 #
SAND-91-0063C ..... 18 p3057 N91-26888 #
SAND-91-0064C ..... 21 p3518 N91-29537 #
SAND-91-0067C ..... 20 p3330 N91-28442 #
SAND-91-0081C ..... 21 p3480 N91-29304 #
SAND-91-0102C ..... 20 p3397 N91-28826 #
SAND-91-0116C ..... 24 p3966 N91-32157 #
SAND-91-0121 ..... 20 p3350 N91-28553 #
SAND-91-0122C ..... 21 p3578 N91-29898 #
SAND-91-0125C ..... 11 p1686 N91-19291 #
SAND-91-0139C ..... 11 p1799 N91-19872 #
SAND-91-0141 ..... 17 p2847 N91-25736 #
SAND-91-0146C ..... 21 p3531 N91-29619 #
SAND-91-0148C ..... 20 p3351 N91-28562 #
SAND-91-0160C ..... 18 p2986 N91-26486 #
SAND-91-0162C ..... 21 p3529 N91-29605 #
SAND-91-0169 ..... 13 p2147 N91-21826 #
SAND-91-0175C ..... 10 p1520 N91-18367 #
SAND-91-0177C ..... 23 p3859 N91-31518 #
SAND-91-0194C ..... 11 p1722 N91-19481 #
SAND-91-0197C ..... 20 p3352 N91-28567 #
SAND-91-0202C ..... 17 p2888 N91-25966 #
SAND-91-0210C ..... 23 p3916 N91-31868 #
SAND-91-0217C ..... 20 p3393 N91-28805 #
SAND-91-0232C ..... 13 p2154 N91-21872 #
SAND-91-0236C ..... 21 p3473 N91-29260 #
SAND-91-0237C ..... 21 p3509 N91-29484 #
SAND-91-0259C ..... 11 p1712 N91-19431 #
SAND-91-0263C ..... 19 p3216 N91-27774 #
SAND-91-0270C ..... 17 p2888 N91-25965 #
SAND-91-0277 ..... 21 p3533 N91-29631 #
SAND-91-0282C ..... 24 p4007 N91-32406 #
SAND-91-0292C ..... 13 p2054 N91-21303 #
SAND-91-0310C ..... 20 p3309 N91-28319 #
SAND-91-0312C ..... 11 p1813 N91-19960 #
SAND-91-0327C ..... 12 p1908 N91-20498 #
SAND-91-0328 ..... 21 p3492 N91-29379 #
SAND-91-0342C ..... 11 p1683 N91-19276 #
SAND-91-0348C ..... 11 p1708 N91-19407 #
SAND-91-0350 ..... 20 p3344 N91-28515 #
SAND-91-0362C ..... 11 p1808 N91-19932 #
SAND-91-0370 ..... 21 p3503 N91-29442 #
SAND-91-0379C ..... 23 p3819 N91-31303 #
SAND-91-0381C ..... 15 p2417 N91-23388 #
SAND-91-0391C ..... 19 p3178 N91-27572 #
SAND-91-0400C ..... 13 p2104 N91-21583 #
SAND-91-0401C ..... 13 p2144 N91-21804 #
SAND-91-0408 ..... 16 p2701 N91-24956 #
SAND-91-0412C ..... 13 p2091 N91-21512 #
SAND-91-0414C ..... 11 p1814 N91-19964 #
SAND-91-0420C ..... 13 p2068 N91-21391 #
SAND-91-0421C ..... 19 p3250 N91-27978 #
SAND-91-0422C ..... 18 p3071 N91-26972 #
SAND-91-0431C ..... 11 p1814 N91-19965 #
SAND-91-0445C ..... 15 p2411 N91-23352 #
SAND-91-0447C ..... 19 p3250 N91-27977 #
SAND-91-0448C ..... 22 p3759 N91-30953 #
SAND-91-0460C ..... 11 p1677 N91-19243 #
SAND-91-0469C ..... 18 p2968 N91-26385 #
SAND-91-0482C ..... 19 p3111 N91-27189 #
SAND-91-0499C ..... 15 p2401 N91-23294 #
SAND-91-0505C ..... 13 p2091 N91-21505 #
SAND-91-0517C ..... 13 p2168 N91-21965 #
SAND-91-0531C ..... 14 p2189 N91-22094 #
SAND-91-0560C ..... 15 p2416 N91-23382 #
SAND-91-0563C ..... 18 p3084 N91-27053 #
SAND-91-0570C ..... 14 p2281 N91-22617 #
SAND-91-0582C ..... 14 p2281 N91-22616 #
SAND-91-0586C ..... 15 p2515 N91-23941 #
SAND-91-0589C ..... 23 p3931 N91-31971 #
SAND-91-0611C ..... 16 p2699 N91-24949 #
SAND-91-0618 ..... 20 p3436 N91-29065 #
SAND-91-0632C ..... 18 p2970 N91-26399 #
SAND-91-0633C ..... 24 p4091 N91-32858 #
SAND-91-0642C ..... 16 p2619 N91-24497 #
SAND-91-0649C ..... 14 p2327 N91-22857 #
SAND-91-0650C ..... 14 p2258 N91-22490 #
SAND-91-0652C ..... 23 p3806 N91-31230 #
SAND-91-0657 ..... 20 p3287 N91-28178 #
SAND-91-0659C ..... 21 p3537 N91-29655 #
SAND-91-0672 ..... 20 p3338 N91-28485 #
SAND-91-0695C ..... 20 p3309 N91-28314 #
SAND-91-0698C ..... 20 p3320 N91-28379 #
SAND-91-0711C ..... 21 p3464 N91-29208 #
SAND-91-0725 ..... 21 p3519 N91-29541 #
SAND-91-0760C ..... 21 p3590 N91-29971 #
SAND-91-0771C ..... 20 p3434 N91-29052 #
SAND-91-0773C ..... 21 p3594 N91-29995 #
SAND-91-0799C ..... 21 p3504 N91-29447 #
SAND-91-0840C ..... 24 p3977 N91-32219 #
SAND-91-0852C ..... 19 p3148 N91-27400 #
SAND-91-0855C ..... 20 p3426 N91-29003 #
SAND-91-0859C ..... 17 p2868 N91-25866 #
SAND-91-0863C ..... 24 p4111 N91-32977 #
SAND-91-0864C ..... 24 p4109 N91-32962 #
SAND-91-0872 ..... 23 p3906 N91-31802 #
SAND-91-0873C ..... 16 p2679 N91-24832 #
SAND-91-0884C ..... 17 p2778 N91-25375 #
SAND-91-0885C ..... 17 p2730 N91-25118 #
SAND-91-0898C ..... 20 p3426 N91-29004 #
SAND-91-0910C ..... 23 p3851 N91-31472 #
SAND-91-0914C ..... 24 p4111 N91-32976 #
SAND-91-0933C ..... 18 p2957 N91-26319 #
SAND-91-0938 ..... 23 p3860 N91-31522 #
SAND-91-0946C ..... 23 p3877 N91-31634 #
SAND-91-0951C ..... 20 p3326 N91-28417 #
SAND-91-0954C ..... 20 p3427 N91-29009 #
SAND-91-0955C ..... 23 p3855 N91-31490 #
SAND-91-0956C ..... 23 p3933 N91-31980 #
SAND-91-0988C ..... 18 p2967 N91-26382 #
SAND-91-0998C ..... 24 p4100 N91-32908 #
SAND-91-0999C ..... 20 p3400 N91-28846 #
SAND-91-1000C ..... 20 p3328 N91-28427 #
SAND-91-1019C ..... 24 p4105 N91-32942 #
SAND-91-1020C ..... 20 p3314 N91-28346 #
SAND-91-1056C ..... 20 p3349 N91-28544 #
SAND-91-1061 ..... 20 p3387 N91-28767 #
SAND-91-1096C ..... 20 p3338 N91-28487 #
SAND-91-1102C ..... 21 p3510 N91-29487 #
SAND-91-1143C ..... 20 p3389 N91-28775 #
SAND-91-1157C ..... 23 p3859 N91-31517 #
SAND-91-1169C ..... 21 p3530 N91-29612 #

SAND-91-1197C ..... 21 p3480 N91-29302 #
SAND-91-1220 ..... 23 p3860 N91-31523 #
SAND-91-1227C ..... 21 p3465 N91-29213* #
SAND-91-1248C ..... 24 p4006 N91-32399 #
SAND-91-1272C ..... 20 p3340 N91-28501 #
SAND-91-1290C ..... 20 p3389 N91-28778 #
SAND-91-1296C ..... 23 p3819 N91-31302 #
SAND-91-1324C ..... 21 p3554 N91-29747 #
SAND-91-1348C ..... 24 p3973 N91-32194 #
SAND-91-1364C ..... 21 p3579 N91-29910 #
SAND-91-1370C ..... 21 p3603 N91-30046 #
SAND-91-1391C ..... 24 p3952 N91-32089 #
SAND-91-1402C ..... 24 p4006 N91-32400 #
SAND-91-1467 ..... 23 p3889 N91-31703 #
SAND-91-1504C ..... 24 p3989 N91-32289 #
SAND-91-1514C ..... 21 p3501 N91-29433 #
SAND-91-1565C ..... 21 p3498 N91-29409 #
SAND-91-1570C ..... 21 p3605 N91-30058 #
SAND-91-1578 ..... 23 p3868 N91-31574 #
SAND-91-1581C ..... 21 p3604 N91-30057 #
SAND-91-1589C ..... 21 p3494 N91-29386 #
SAND-91-1593C ..... 24 p3964 N91-32150 #
SAND-91-1614C ..... 24 p3974 N91-32199 #
SAND-91-1623C ..... 24 p4016 N91-32453 #
SAND-91-1659C ..... 23 p3805 N91-31221 #
SAND-91-1667C ..... 21 p3520 N91-29549 #
SAND-91-1687C ..... 24 p4024 N91-32490 #
SAND-91-1703C ..... 24 p4108 N91-32959 #
SAND-91-1719C ..... 24 p4115 N91-33002 #
SAND-91-1731C ..... 23 p3914 N91-31854 #
SAND-91-1737C ..... 23 p3856 N91-31500 #
SAND-91-1784C ..... 23 p3934 N91-31988 #
SAND-91-7003 ..... 23 p3888 N91-31699 #
SAND-91-7004 ..... 23 p3891 N91-31714 #
SAND-91-7009 ..... 23 p3890 N91-31713 #
SAND-91-7029 ..... 18 p2981 N91-26463 #
SAND-91-7065 ..... 21 p3521 N91-29557 #
SAND-91-7066 ..... 23 p3862 N91-31533 #
SAND-91-7077C ..... 22 p3668 N91-30425 #
SAND-91-8213 ..... 21 p3478 N91-29292 #
SAND-91-8215 ..... 20 p3360 N91-28612 #
SAND-92-0402C ..... 13 p2133 N91-21740 #

SAR-3 ..... 23 p3893 N91-31723* #
SAR-4 ..... 23 p3893 N91-31723* #
SAR-5 ..... 23 p3893 N91-31723* #
SAR-6 ..... 23 p3893 N91-31723* #

SATR-2 ..... 07 p0935 N91-15126* #

SCI(88)5 ..... 10 p1486 N91-18187* #

SCIE-FAA-001-91 ..... 19 p3154 N91-27438 #

SCIENTIFIC-1 ..... 22 p3704 N91-30617 #

SCT-90RR-18 ..... 08 p1091 N91-15989 #
SCT-90RR-46 ..... 09 p1275 N91-17010 #
SCT-91RR-13 ..... 24 p3952 N91-32086 #
SCT-4520-280-1 ..... 22 p3619 N91-30131* #

SC5467.FR ..... 22 p3681 N91-30498 #
SC5524.FR ..... 12 p1882 N91-20345 #
SC71002.AR ..... 18 p2964 N91-26359 #
SC71004.FR ..... 21 p3500 N91-29426 #

SD-TR-91-11 ..... 19 p3244 N91-27941 #
SD-TR-91-12 ..... 19 p3163 N91-27492 #

SDIO-N-1504 ..... 12 p1990 N91-20949 #

SDL-89-2532-13 ..... 14 p2268 N91-22550 #

SDL/90-049 ..... 22 p3704 N91-30617 #

SDM90-1.0-MECH ..... 12 p1862 N91-20233 #

SDSMT/IAS/R-91/04 ..... 19 p3204 N91-27711* #

SE-90-04 ..... 08 p1159 N91-16383 #
SE-91-03 ..... 22 p3656 N91-30352 #

SEI-CM-3-1-5 ..... 20 p3383 N91-28743 #
SEI-CM-12-1-1 ..... 20 p3383 N91-28744 #

SEI-90-SR-12 ..... 08 p1199 N91-16590 #

SEL-82-906 ..... 08 p1201 N91-16602* #
SEL-84-101-REV-1 ..... 07 p1051 N91-15773* #
SEL-88-004 ..... 01 p0105 N91-10606* #
SEL-88-005 ..... 02 p0251 N91-11389* #
SEL-89-007 ..... 09 p1379 N91-17581* #
SEL-89-008 ..... 09 p1379 N91-17582* #
SEL-90-001 ..... 09 p1379 N91-17583* #
SEL-90-002 ..... 09 p1379 N91-17584* #
SEL-90-003 ..... 07 p1051 N91-15771* #
SEL-90-004 ..... 07 p1051 N91-15772* #
SEL-90-005 ..... 09 p1380 N91-17585* #

SER-A-106 ..... 09 p1391 N91-17653

SER-B-272-PT-2 ..... 24 p4035 N91-32548

SER-C-354 ..... 09 p1364 N91-17498
SER-C-355 ..... 09 p1391 N91-17652
SER-C-356 ..... 09 p1340 N91-17357
SER-C-359 ..... 09 p1276 N91-17013
SER-C-361 ..... 24 p3960 N91-32129
SER-C-362 ..... 24 p4035 N91-32547

SER-S/27 ..... 15 p2390 N91-23231 #

SER-10/P-REV ..... 15 p2510 N91-23910 #
SER-20/P ..... 15 p2420 N91-23407 #
SER-701-640 ..... 15 p2375 N91-23146 #
SER-510349 ..... 03 p0325 N91-11808* #

SERI-SP-220-4426 ..... 22 p3701 N91-30605 #

SERI-TP-250-4256 ..... 21 p3536 N91-29649 #

SERI/CP-211-3976 ..... 02 p0280 N91-11572 #
SERI/CP-213-4079 ..... 12 p1919 N91-20560 #
SERI/CP-236-4396 ..... 20 p3369 N91-28663 #
SERI/CP-250-4254-VOL-1 ..... 20 p3368 N91-28658 #
SERI/CP-250-4254-VOL-2 ..... 20 p3368 N91-28656 #

SERI/SP-220-3978 ..... 10 p1625 N91-18962 #

SERI/TP-210-4319 ..... 20 p3328 N91-28429 #
SERI/TP-211-3864 ..... 07 p1072 N91-15901 #
SERI/TP-211-3896 ..... 01 p0064 N91-10384 #
SERI/TP-211-3905 ..... 02 p0232 N91-11295 #
SERI/TP-211-3906 ..... 02 p0230 N91-11285 #
SERI/TP-211-3907 ..... 01 p0128 N91-10756 #
SERI/TP-211-3908 ..... 02 p0277 N91-11557 #
SERI/TP-211-3909 ..... 02 p0229 N91-11280 #
SERI/TP-211-3918 ..... 02 p0232 N91-11296 #
SERI/TP-211-3933 ..... 10 p1540 N91-18477 #
SERI/TP-211-3934 ..... 05 p0682 N91-13792 #
SERI/TP-211-3949 ..... 04 p0543 N91-13012 #
SERI/TP-211-3950 ..... 02 p0232 N91-11297 #
SERI/TP-211-3952 ..... 06 p0840 N91-14643 #
SERI/TP-211-3967 ..... 10 p1539 N91-18474 #
SERI/TP-211-3971 ..... 18 p3004 N91-26588 #
SERI/TP-211-3990 ..... 10 p1540 N91-18478 #
SERI/TP-211-4033 ..... 08 p1170 N91-16444 #
SERI/TP-211-4034 ..... 08 p1170 N91-16443 #
SERI/TP-211-4061 ..... 09 p1415 N91-17789 #
SERI/TP-211-4133 ..... 10 p1608 N91-18874 #
SERI/TP-211-4212 ..... 20 p3367 N91-28650 #
SERI/TP-212-3675 ..... 11 p1725 N91-19502 #
SERI/TP-212-3786 ..... 08 p1117 N91-16139 #
SERI/TP-213-3608 ..... 17 p2762 N91-25291 #
SERI/TP-214-4141 ..... 15 p2458 N91-23618 #
SERI/TP-214-4203 ..... 17 p2805 N91-25507 #
SERI/TP-214-4207 ..... 17 p2805 N91-25508 #
SERI/TP-214-4226 ..... 22 p3700 N91-30603 #
SERI/TP-214-4271 ..... 20 p3337 N91-28480 #
SERI/TP-214-4292 ..... 18 p3004 N91-26591 #
SERI/TP-214-4394 ..... 22 p3760 N91-30959 #
SERI/TP-214-4409 ..... 21 p3592 N91-29983 #
SERI/TP-215-3895 ..... 10 p1543 N91-18494 #
SERI/TP-215-3975 ..... 06 p0836 N91-14621 #
SERI/TP-215-4063 ..... 10 p1540 N91-18479 #
SERI/TP-220-3880 ..... 10 p1625 N91-18961 #
SERI/TP-231-3622 ..... 02 p0230 N91-11283 #
SERI/TP-232-3820 ..... 04 p0511 N91-12839 #
SERI/TP-253-3561 ..... 11 p1725 N91-19501 #
SERI/TP-253-3594 ..... 05 p0685 N91-13809 #
SERI/TP-253-3616 ..... 02 p0229 N91-11282 #
SERI/TP-253-4017 ..... 09 p1362 N91-17483 #
SERI/TP-255-3369 ..... 10 p1540 N91-18476 #
SERI/TP-257-3757 ..... 21 p3535 N91-29643 #
SERI/TP-257-3795 ..... 02 p0230 N91-11286 #
SERI/TP-257-3891 ..... 06 p0841 N91-14644 #
SERI/TP-257-3939 ..... 02 p0230 N91-11287 #
SERI/TP-257-3983 ..... 05 p0615 N91-13414 #
SERI/TP-257-3984 ..... 22 p3684 N91-30513 #
SERI/TP-257-3986 ..... 07 p1026 N91-15629 #
SERI/TP-257-4019 ..... 06 p0827 N91-14572 #
SERI/TP-257-4366 ..... 21 p3536 N91-29646 #
SERI/TP-257-4400 ..... 21 p3536 N91-29650 #
SERI/TP-257-4418 ..... 21 p3539 N91-29663 #
SERI/TP-262-4118 ..... 24 p4040 N91-32575 #

SERI/TR-257-3372 ..... 08 p1198 N91-16582 #

SFA-0184Z ..... 08 p1230 N91-16779 #

SFB-BER-342/90-A ..... 10 p1586 N91-18741 #

SFB-210/E/59 ..... 01 p0048 N91-10286 #

SFCC-PUBL-61 ..... 11 p1673 N91-19222 #

SGD-545-PT-1 ..... 01 p0140 N91-10822 #
SGD-546-PT-1 ..... 01 p0140 N91-10823 #
SGD-546-PT-2 ..... 01 p0140 N91-10824 #
SGD-547-PT-1 ..... 01 p0140 N91-10825 #
SGD-547-PT-2 ..... 01 p0140 N91-10826 #
SGD-548-PT-1 ..... 01 p0068 N91-10411 #
SGD-548-PT-2 ..... 01 p0068 N91-10412 #
SGD-549-PT-1 ..... 05 p0767 N91-14262 #
SGD-549-PT-2 ..... 05 p0768 N91-14263 #
SGD-550-PT-1 ..... 05 p0767 N91-14260 #
SGD-550-PT-2 ..... 05 p0767 N91-14261 #
SGD-551-PT-1 ..... 18 p3090 N91-27085 #
SGD-551-PT-2 ..... 18 p3091 N91-27086 #
SGD-552-PT-1 ..... 09 p1449 N91-17994 #
SGD-552-PT-2 ..... 09 p1449 N91-17995 #
SGD-553-PT-1 ..... 13 p2183 N91-22059 #
SGD-554-PT-1 ..... 11 p1823 N91-20018 #
SGD-554-PT-2 ..... 11 p1823 N91-20017 #
SGD-555-PT-1 ..... 14 p2287 N91-22645 #
SGD-555-PT-2 ..... 14 p2287 N91-22646 #
SGD-556-PT-1 ..... 18 p3090 N91-27083 #
SGD-556-PT-2 ..... 18 p3090 N91-27084 #
SGD-557-PT-1 ..... 20 p3447 N91-29130 #
SGD-557-PT-2 ..... 20 p3447 N91-29131 #
SGD-558-PT-1 ..... 20 p3447 N91-29129 #
SGD-558-PT-2 ..... 20 p3447 N91-29128 #
SGD-559-PT-1 ..... 22 p3776 N91-31062 #
SGD-559-PT-2 ..... 22 p3776 N91-31063 #
SGD-560-PT-1 ..... 24 p4124 N91-33047 #
SGD-560-PT-2 ..... 24 p4124 N91-33048 #

SHRP-IDEA/UFR-90-002 ..... 16 p2630 N91-24559 #

SINRE-0020 ..... 03 p0374 N91-12096 #

SIO-REF-90-28 ..... 13 p2122 N91-21678 #
SIO-REF-90-30 ..... 12 p1927 N91-20604 #

SIP-0033 ..... 03 p0421 N91-12354 #

SIR-90-017 ..... 08 p1115 N91-16125 #

SK-1600-44-001-02-0 ..... 23 p3853 N91-31483

SKBS-A1/91-05 ..... 22 p3743 N91-30853 #

SKBS/A1/91-04 ..... 22 p3742 N91-30852 #

SLCET-TR-88-1-REV-4.1 ..... 13 p2078 N91-21445 #
SLCET-TR-88-0845-F-PHASE-2 ..... 18 p3004 N91-26589 #
SLCET-TR-90-3 ..... 04 p0579 N91-13226 #
SLCET-TR-90-4 ..... 04 p0519 N91-12889 #
SLCET-TR-90-9 ..... 14 p2259 N91-22497 #
SLCET-TR-90-10 ..... 14 p2305 N91-22736 #
SLCET-TR-90-11 ..... 14 p2239 N91-22386 #
SLCET-TR-90-12 ..... 14 p2259 N91-22498 #
SLCET-TR-90-16 ..... 14 p2331 N91-22877 #
SLCET-TR-90-17 ..... 14 p2260 N91-22501 #
SLCET-TR-91-2 ..... 14 p2257 N91-22484 #
SLCET-TR-91-3 ..... 19 p3167 N91-27512 #
SLCET-TR-91-5 ..... 18 p2980 N91-26454 #
SLCET-TR-91-7 ..... 19 p3187 N91-27623 #
SLCET-TR-91-10 ..... 21 p3538 N91-29659 #
SLCET-TR-91-15 ..... 21 p3505 N91-29457 #
SLCET-TR-91-17 ..... 21 p3505 N91-29456 #

SLI-9008 ..... 03 p0367 N91-12054 #

SM-114/91 ..... 11 p1784 N91-19791 #

SMU-5-25127A ..... 07 p1052 N91-15778 #

SMU/DS/TR-245 ..... 09 p1392 N91-17660 #

SMU/DS/TR/241 ..... 08 p1210 N91-16661 #

SN-3503-F ..... 06 p0812 N91-14487 #

SOZ-CRUISE-1990-1 ..... 17 p2815 N91-25559 #

SP-TR-1990:19 ..... 14 p2281 N91-22615 #

SPARTA-LTR91-009 ..... 21 p3582 N91-29924 #

SPIE-1467-59 ..... 12 p1900 N91-20452* #

SR-1 ..... 03 p0427 N91-12394 #
SR-1 ..... 06 p0818 N91-14519 #
SR-1 ..... 06 p0866 N91-14785 #
SR-1 ..... 07 p1004 N91-15513 #
SR-1 ..... 08 p1177 N91-16482 #
SR-1 ..... 12 p1876 N91-20308 #
SR-1 ..... 12 p1923 N91-20583 #
SR-1 ..... 12 p2007 N91-21048 #
SR-1 ..... 13 p2116 N91-21650 #
SR-1 ..... 14 p2286 N91-22640 #
SR-1 ..... 15 p2464 N91-23655 #
SR-1 ..... 16 p2658 N91-24705 #
SR-1 ..... 16 p2679 N91-24827 #
SR-1 ..... 16 p3011 N91-26630 #
SR-1 ..... 16 p3012 N91-26631 #
SR-1 ..... 18 p3083 N91-27048 #
SR-1 ..... 19 p3236 N91-27892 #
SR-2 ..... 04 p0494 N91-12745 #
SR-2 ..... 04 p0549 N91-13046 #
SR-2 ..... 12 p1835 N91-20083 #
SR-2 ..... 12 p1925 N91-20592 #
SR-2 ..... 16 p2565 N91-24219 #
SR-2 ..... 19 p3183 N91-27605 #
SR-2 ..... 21 p3500 N91-29424 #
SR-3 ..... 15 p2461 N91-23635 #
SR-3 ..... 18 p2975 N91-26424 #
SR-3 ..... 19 p3200 N91-27690 #
SR-4 ..... 07 p1036 N91-15683 #
SR-4 ..... 12 p1897 N91-20431 #
SR-4 ..... 12 p1922 N91-20577 #
SR-4 ..... 14 p2267 N91-22544 #
SR-4 ..... 21 p3541 N91-29671 #
SR-5 ..... 19 p3200 N91-27689 #
SR-6 ..... 12 p1922 N91-20576 #
SR-6 ..... 19 p3108 N91-27172 #
SR-10 ..... 23 p3788 N91-31121 #
SR-21 ..... 12 p1924 N91-20584 #
SR-226 ..... 02 p0169 N91-10979 #
SR-1303 ..... 14 p2267 N91-22543 #
SR-1306 ..... 19 p3135 N91-27323 #
SR-1317 ..... 14 p2273 N91-22574 #
SR-1321-PT-1 ..... 14 p2277 N91-22591 #
SR-1322 ..... 22 p3691 N91-30550 #
SR-1328 ..... 12 p1862 N91-20232 #

SRA-R90-910023F ..... 06 p0822 N91-14541 #
SRA-R90-910032-F ..... 08 p1128 N91-16202 #
SRA-R91-910032-F ..... 18 p3074 N91-26989 #

SRI-ECU-8139 ..... 15 p2494 N91-23814 #

SRI-ENV-91-292-6657-XXXIV ..... 23 p3811 N91-31260 #

SRI-ESU-3573 ..... 16 p2657 N91-24701 #

SRI-MME-91-097-7244 ..... 09 p1347 N91-17403* #

SRI-MP-90-022 ..... 13 p2047 N91-21262 #
SRI-MP-90-141R ..... 15 p2399 N91-23286 #
SRI-MP-91-005 ..... 15 p2409 N91-23336 #

SRI-PYU-2970 ..... 01 p0024 N91-10140 #

SRI-7398 ..... 19 p3233 N91-27873* #

SRL-03-F-1991 ..... 16 p2632 N91-24571 #
SRL-05-F-1991 ..... 18 p2990 N91-26513 #
SRL-6890-VOL-1 ..... 14 p2243 N91-22406 #
SRL-6890-VOL-2 ..... 14 p2243 N91-22405 #
SRL-6921-F ..... 18 p2953 N91-26295 #

SRS/STD-PR-535/11 ..... 21 p3529 N91-29603* #

SRS/STD-TR89-90 ..... 23 p3804 N91-31215* #
SRS/STD-TR90-89 ..... 05 p0627 N91-13474* #

SR90-R-5357 ..... 21 p3528 N91-29601 #

SSC-335 ..... 11 p1717 N91-19452 #
SSC-336 ..... 11 p1704 N91-19383 #
SSC-344 ..... 14 p2267 N91-22543 #
SSC-345-PT-1 ..... 14 p2277 N91-22591 #
SSC-345-PT-2 ..... 15 p2448 N91-23557 #
SSC-348 ..... 19 p3135 N91-27323 #
SSC-353 ..... 18 p3017 N91-26660 #
SSC-355 ..... 14 p2273 N91-22574 #
SSC-356 ..... 19 p3179 N91-27577 #
SSC-360 ..... 12 p1862 N91-20232 #
SSC-363 ..... 24 p4031 N91-32522 #
SSC-364 ..... 22 p3691 N91-30550 #

SSCL-MAN-0012 ..... 23 p3908 N91-31817 #

SSCL-270 ..... 11 p1797 N91-19863 #
SSCL-300 ..... 20 p3391 N91-28794 #
SSCL-302 ..... 18 p3052 N91-26856 #
SSCL-308 ..... 15 p2446 N91-23547 #
SSCL-330 ..... 08 p1213 N91-16674 #
SSCL-338 ..... 11 p1814 N91-19963 #
SSCL-343 ..... 15 p2418 N91-23391 #
SSCL-346 ..... 18 p3062 N91-26917 #
SSCL-377 ..... 20 p3427 N91-29010 #

SSCL-390 ..... 20 p3438 N91-29079 #
SSCL-423 ..... 20 p3432 N91-29040 #
SSCL-452 ..... 21 p3498 N91-29410 #
SSCL-464 ..... 21 p3554 N91-29746 #
SSCL-472 ..... 24 p4093 N91-32868 #

SSD-TR-89-30 ..... 08 p1179 N91-16489 #
SSD-TR-90-16 ..... 04 p0610 N91-13392 #
SSD-TR-90-17 ..... 04 p0547 N91-13034 #
SSD-TR-90-18 ..... 06 p0805 N91-14444 #
SSD-TR-90-20 ..... 07 p1072 N91-15899 #
SSD-TR-90-21 ..... 08 p1153 N91-16352 #
SSD-TR-90-22 ..... 08 p1154 N91-16355 #
SSD-TR-90-23 ..... 07 p1028 N91-15643 #
SSD-TR-90-25 ..... 07 p1086 N91-15972 #
SSD-TR-90-27 ..... 06 p0805 N91-14442 #
SSD-TR-90-28 ..... 22 p3752 N91-30913 #
SSD-TR-90-29 ..... 12 p1903 N91-20468 #
SSD-TR-90-31 ..... 08 p1155 N91-16362 #
SSD-TR-90-32 ..... 22 p3652 N91-30327 #
SSD-TR-90-34 ..... 12 p1903 N91-20469 #
SSD-TR-90-36 ..... 12 p1873 N91-20295 #
SSD-TR-90-37 ..... 09 p1411 N91-17765 #
SSD-TR-90-44 ..... 08 p1135 N91-16248 #
SSD-TR-90-45 ..... 12 p1985 N91-20925 #
SSD-TR-90-46 ..... 13 p2159 N91-21904 #
SSD-TR-90-49 ..... 21 p3554 N91-29750 #
SSD-TR-90-51 ..... 13 p2155 N91-21878 #
SSD-TR-90-52 ..... 13 p2098 N91-21547 #
SSD-TR-90-53 ..... 12 p1914 N91-20527 #
SSD-TR-90-54 ..... 14 p2236 N91-22369 #
SSD-TR-90-55 ..... 14 p2330 N91-22876 #
SSD-TR-91-03 ..... 18 p2973 N91-26415 #
SSD-TR-91-05 ..... 18 p2921 N91-26115 #
SSD-TR-91-06 ..... 18 p2955 N91-26305 #
SSD-TR-91-07-VOL-13 ..... 18 p2933 N91-26183 #
SSD-TR-91-08 ..... 19 p3227 N91-27837 #
SSD-TR-91-13 ..... 23 p3874 N91-31612 #
SSD-TR-91-15 ..... 21 p3467 N91-29227 #
SSD-TR-91-26 ..... 23 p3906 N91-31805 #
SSD-TR-91-90 ..... 19 p3123 N91-27251 #

SSI-TR-176 ..... 21 p3541 N91-29671 #
SSI-TR-183 ..... 15 p2428 N91-23448 #

SSL-TR00722 ..... 09 p1323 N91-17266* #
SSL-TR00729 ..... 15 p2533 N91-24030* #

SSRP-90/03 ..... 01 p0056 N91-10333* #

SSS-DFR-89-10708/R1 ..... 12 p1854 N91-20186 #

ST-REPT-VOL-8-NO-1 ..... 14 p2324 N91-22840 #
ST-REPT-VOL-8-NO-2 ..... 23 p3940 N91-32023 #

ST-179/90 ..... 09 p1297 N91-17122 #
ST-180/90 ..... 07 p1063 N91-15847 #

STARS-RC-00980/001/00 ..... 22 p3725 N91-30729 #
STARS-RC-01030/001/00 ..... 22 p3724 N91-30728 #
STARS-RC-01210/001/00-VOL-1 ..... 22 p3724 N91-30726 #
STARS-RC-01210/003/00 ..... 10 p1569 N91-18628 #
STARS-RC-01310/001/00 ..... 18 p3040 N91-26783 #
STARS-RC-01430/001/00 ..... 22 p3724 N91-30727 #

STATISTICAL-POLICY-20-PT-1-3 ..... 19 p3262 N91-28044 #

STC-TR-4026 ..... 14 p2280 N91-22609* #

STI-TR-1254-1 ..... 13 p2027 N91-21149* #
STI-TR-1254-2 ..... 13 p2027 N91-21150* #
STI-TR-8704-001 ..... 19 p3234 N91-27884 #

STX(H)-91/01 ..... 19 p3203 N91-27702* #

SU-ATN-9001 ..... 11 p1720 N91-19470 #

SU-CLASSIC-MANUSCRIPT-91-26 ..... 18 p3039 N91-26775 #
SU-CLASSIC-MANUSCRIPT-91-27 ..... 18 p3039 N91-26772 #

SU-GL-4738 ..... 08 p1134 N91-16237 #
SU-GL-4766 ..... 12 p1986 N91-20932 #
SU-GL-4776 ..... 12 p1986 N91-20931 #
SU-GL-4840 ..... 21 p3508 N91-29472 #
SU-GL-4841 ..... 21 p3506 N91-29461 #

SU-JIAA-TR-101 ..... 22 p3622 N91-30152* #

SU-MS-1115 ..... 09 p1327 N91-17286 #

SU-RL-TR-91-76-VOL-2 ..... 21 p3560 N91-29787 #
SU-RL-TR-91-76-VOL-3 ..... 21 p3560 N91-29788 #
SU-RL-TR-91-76-VOL-4 ..... 21 p3560 N91-29789 #

SU-SLAC-PUB-5186 ..... 07 p1068 N91-15876 #
SU-SLAC-PUB-5211 ..... 08 p1232 N91-16790 #
SU-SLAC-PUB-5218 ..... 01 p0133 N91-10789 #
SU-SLAC-PUB-5293 ..... 06 p0862 N91-14763 #
SU-SLAC-PUB-5321 ..... 06 p0872 N91-14819 #
SU-SLAC-PUB-5322 ..... 07 p1067 N91-15870 #
SU-SLAC-PUB-5325 ..... 06 p0790 N91-14369 #
SU-SLAC-PUB-5330 ..... 08 p1125 N91-16183 #
SU-SLAC-PUB-5345 ..... 04 p0514 N91-12855 #
SU-SLAC-PUB-5348 ..... 14 p2324 N91-22836 #
SU-SLAC-PUB-5357 ..... 07 p0999 N91-15484 #
SU-SLAC-PUB-5358 ..... 07 p1039 N91-15697 #
SU-SLAC-PUB-5389 ..... 08 p1221 N91-16726 #
SU-SLAC-PUB-5411 ..... 19 p3238 N91-27906 #
SU-SLAC-PUB-5412 ..... 11 p1782 N91-19777 #
SU-SLAC-PUB-5414 ..... 11 p1782 N91-19778 #
SU-SLAC-PUB-5416 ..... 10 p1522 N91-18380 #
SU-SLAC-PUB-5450 ..... 14 p2341 N91-22947 #
SU-SLAC-PUB-5453 ..... 20 p3404 N91-28869 #
SU-SLAC-PUB-5458 ..... 20 p3392 N91-28796 #
SU-SLAC-PUB-5478 ..... 20 p3350 N91-28552 #
SU-SLAC-PUB-5529 ..... 20 p3397 N91-28828 #
SU-SLAC-PUB-5532 ..... 20 p3391 N91-28792 #
SU-SLAC-PUB-5546 ..... 20 p3425 N91-28996 #
SU-SLAC-PUB-5557 ..... 20 p3398 N91-28834 #
SU-SLAC-PUB-5558 ..... 20 p3402 N91-28856 #
SU-SLAC-PUB-5559 ..... 21 p3503 N91-29441 #
SU-SLAC-PUB-5565 ..... 20 p3392 N91-28798 #
SU-SLAC-PUB-5598 ..... 21 p3574 N91-29873 #
SU-SLAC-PUB-5601 ..... 24 p4099 N91-32906 #
SU-SLAC-PUB-5608 ..... 24 p4096 N91-32883 #

SU-SLAC-TN-91-1 ..... 12 p1959 N91-20782 #
SU-SLAC-TN-91-6 ..... 24 p4100 N91-32910 #

SU-SLAC-351 ..... 01 p0133 N91-10790 #
SU-SLAC-357 ..... 08 p1231 N91-16785 #
SU-SLAC-370-REV ..... 11 p1773 N91-19719 #
SU-SLAC-371 ..... 10 p1595 N91-18800 #
SU-SLAC-378 ..... 18 p3061 N91-26907 #

SU-SOL-90-10 ..... 01 p0113 N91-10660 #
SU-SOL-90-11 ..... 04 p0565 N91-13135 #
SU-SOL-90-12 ..... 09 p1383 N91-17606 #
SU-SOL-90-14 ..... 06 p0862 N91-14764 #
SU-SOL-90-16 ..... 13 p2137 N91-21765 #
SU-SOL-90-17 ..... 12 p1956 N91-20761 #
SU-SOL-91-1 ..... 14 p2307 N91-22748 #
SU-SOL-91-2 ..... 21 p3558 N91-29773 #
SU-SOL-91-3 ..... 21 p3555 N91-29756 #
SU-SOL-91-4 ..... 18 p3041 N91-26789 #
SU-SOL-91-5 ..... 18 p3041 N91-26788 #
SU-SOL-91-6 ..... 19 p3229 N91-27851 #
SU-SOL-91-9 ..... 23 p3914 N91-31858 #

SU-SPO-35887 ..... 16 p2621 N91-24510 #

SU-STAN-CS-90-1303 ..... 06 p0857 N91-14730 #
SU-STAN-CS-90-1319 ..... 06 p0861 N91-14758 #

SU-TR-4 ..... 06 p0881 N91-14870 #
SU-TR-11 ..... 04 p0503 N91-12793 #
SU-TR-12 ..... 04 p0503 N91-12792 #
SU-TR-13 ..... 05 p0634 N91-13513 #
SU-TR-14 ..... 18 p2990 N91-26508 #
SU-TR-15 ..... 18 p2947 N91-26264 #
SU-TR-17 ..... 18 p2947 N91-26263 #
SU-TR-18 ..... 18 p2948 N91-26265 #
SU-TR-19 ..... 18 p2948 N91-26267 #
SU-TR-21 ..... 18 p2948 N91-26266 #
SU-TR-22 ..... 18 p2947 N91-26262 #
SU-TR-25 ..... 13 p2144 N91-21809 #
SU-TR-26 ..... 21 p3567 N91-29831 #
SU-TR-56 ..... 08 p1203 N91-16613 #
SU-TR-57 ..... 08 p1211 N91-16667 #
SU-TR-59 ..... 08 p1206 N91-16636 #
SU-TR-432 ..... 04 p0576 N91-13204 #
SU-TR-434 ..... 06 p0867 N91-14794 #
SU-TR-435 ..... 07 p1060 N91-15833 #
SU-TR-437 ..... 08 p1211 N91-16666 #
SU-TR-441 ..... 18 p3052 N91-26852 #
SU-TR-442 ..... 19 p3236 N91-27891 #
SU-TR-443 ..... 21 p3568 N91-29835 #
SU-TR-444 ..... 23 p3923 N91-31920 #

SUDAAR-595 ..... 13 p2094 N91-21528* #
SUDAAR-597 ..... 13 p2094 N91-21529* #

SUNY/AB/TR-20 ..... 18 p2946 N91-26255 #

SWAP001-AC ..... 21 p3505 N91-29452 #

SWRI-03-1781-102 ..... 03 p0371 N91-12081 #
SWRI-06-2699/2 ..... 16 p2647 N91-24658 #
SWRI-06-8124 ..... 18 p2943 N91-26235 #
SWRI-06-8602/6 ..... 20 p3303 N91-28280 #
SWRI-1613-208 ..... 19 p3177 N91-27564 #
SWRI-2253/2 ..... 12 p1874 N91-20298 #

SWRI-3458 ..... 19 p3177 N91-27563 #
SWRI-8868 ..... 17 p2782 N91-25394 #

SYRU/DECE/TR-90/3 ..... 12 p1893 N91-20407 #

TACOM-TR-13502 ..... 13 p2095 N91-21533 #
TACOM-TR-13515-VOL-1 ..... 22 p3684 N91-30511 #
TACOM-TR-13515-VOL-2 ..... 22 p3684 N91-30512 #

TACTEC-R-6266 ..... 18 p2934 N91-26185 #

TAE-160-0559 ..... 04 p0478 N91-12667 #

TAMRF-5802-91-01 ..... 16 p2545 N91-24099* #
TAMRF-5802-91-02 ..... 19 p3100 N91-27130* #
TAMRF-6382-91-01-VOL-1 ..... 16 p2545 N91-24100* #
TAMRF-6382-91-01-VOL-2 ..... 16 p2545 N91-24101* #
TAMRF-6382-91-01-VOL-3 ..... 16 p2545 N91-24102* #
TAMRF-6382-91-02 ..... 19 p3111 N91-27191* #

TAMURF-AERO-90-5-1 ..... 05 p0628 N91-13479 #

TAO-60057 ..... 09 p1386 N91-17625* #

TASC-TIM-5834-1-1 ..... 03 p0310 N91-11739 #

TASC-TR-5234-4 ..... 19 p3230 N91-27853 #

TCS-TP-89-368 ..... 18 p2974 N91-26417 #

TD-89-0345 ..... 05 p0649 N91-13605
TD-89-3867 ..... 05 p0674 N91-13747
TD-89-3869 ..... 05 p0654 N91-13633
TD-89-3870 ..... 05 p0704 N91-13925
TD-89-3875 ..... 05 p0649 N91-13601
TD-89-3879-VOL-1 ..... 05 p0654 N91-13632
TD-89-4464 ..... 08 p1156 N91-16365
TD-89-4466 ..... 05 p0622 N91-13450
TD-89-4551 ..... 05 p0618 N91-13431
TD-89-4553 ..... 08 p1130 N91-16213
TD-89-4555 ..... 05 p0626 N91-13468
TD-89-4556 ..... 05 p0695 N91-13872
TD-89-4557 ..... 05 p0695 N91-13873
TD-89-4560 ..... 07 p1063 N91-15845
TD-89-4561 ..... 08 p1195 N91-16569
TD-89-4573 ..... 05 p0649 N91-13602
TD-89-4578 ..... 05 p0674 N91-13748
TD-90-0018 ..... 05 p0696 N91-13874
TD-90-0022 ..... 05 p0717 N91-14003
TD-90-0025 ..... 08 p1242 N91-16846
TD-90-0026 ..... 08 p1195 N91-16568
TD-90-0029 ..... 05 p0650 N91-13608
TD-90-0033 ..... 05 p0697 N91-13881
TD-90-0046 ..... 05 p0650 N91-13606
TD-90-1224 ..... 05 p0695 N91-13871
TD-90-1227 ..... 05 p0649 N91-13604
TD-90-1229 ..... 05 p0654 N91-13636
TD-90-1230 ..... 05 p0654 N91-13634
TD-90-1234 ..... 05 p0699 N91-13892
TD-90-1235 ..... 07 p1008 N91-15537
TD-90-1608 ..... 10 p1564 N91-18601
TD-90-1609 ..... 05 p0682 N91-13789
TD-90-1714 ..... 05 p0650 N91-13607
TD-90-1717 ..... 15 p2412 N91-23359
TD-90-1726 ..... 05 p0654 N91-13635
TD-90-2473 ..... 22 p3664 N91-30397
TD-90-2479 ..... 15 p2412 N91-23358
TD-90-2483 ..... 05 p0690 N91-13838
TD-90-2723 ..... 15 p2386 N91-23204
TD-90-2771 ..... 15 p2413 N91-23360
TD-90-2772 ..... 15 p2413 N91-23361
TD-90-2773 ..... 22 p3664 N91-30398
TD-90-2774 ..... 07 p0995 N91-15461
TD-90-2780 ..... 05 p0649 N91-13603
TD-90-2788 ..... 08 p1156 N91-16366
TD-90-2790 ..... 07 p0995 N91-15463
TD-90-3169 ..... 07 p0995 N91-15462
TD-90-3208 ..... 07 p0995 N91-15464
TD-90-3214 ..... 15 p2418 N91-23392
TD-90-3219 ..... 22 p3751 N91-30909
TD-90-3405 ..... 22 p3719 N91-30698
TD-90-3407 ..... 15 p2474 N91-23703
TD-90-3409 ..... 15 p2478 N91-23719
TD-90-3413 ..... 22 p3718 N91-30693
TD-90-3414 ..... 22 p3625 N91-30166
TD-90-3415 ..... 22 p3721 N91-30708
TD-90-3417 ..... 22 p3625 N91-30167
TD-90-3421-PHASE-3 ..... 22 p3689 N91-30541
TD-90-3423 ..... 22 p3719 N91-30699
TD-90-3535 ..... 22 p3703 N91-30612
TD-90-3537 ..... 24 p4022 N91-32477
TD-90-3665 ..... 22 p3648 N91-30306
TD-90-3666 ..... 22 p3767 N91-31004
TD-90-4047 ..... 22 p3711 N91-30652
TD-90-4052 ..... 22 p3664 N91-30400
TD-90-4056 ..... 22 p3664 N91-30399

TD-90-4057 ..... 24 p4084 N91-32813
TD-90-4515 ..... 22 p3767 N91-31003
TD-90-4526 ..... 24 p4092 N91-32862
TD-91-0034 ..... 22 p3721 N91-30709
TD-91-0038 ..... 24 p4072 N91-32753
TD-91-0042 ..... 24 p4083 N91-32812
TD-91-0412 ..... 24 p3983 N91-32246
TD-91-0985 ..... 24 p4006 N91-32396
TD-91-2007 ..... 23 p3916 N91-31873
TD-91-2008 ..... 23 p3916 N91-31872
TD-91-2021 ..... 23 p3855 N91-31496
TD-91-2196 ..... 24 p4020 N91-32469 #

TDCK-TD-90-4051 ..... 16 p2618 N91-24492 #

TDCK-TD90-4049 ..... 19 p3151 N91-27417 #
TDCK-TD91-0043 ..... 19 p3261 N91-28036 #
TDCK-TD91-0983-PT-1 ..... 19 p3151 N91-27418 #

TDCK-90-0031 ..... 03 p0394 N91-12191 #

TELAC-90-14 ..... 07 p0945 N91-15183 #
TELAC-90-15 ..... 22 p3642 N91-30268 #
TELAC-90-19 ..... 05 p0621 N91-13446* #

TELECOM-90-C-004 ..... 12 p1959 N91-20775 #
TELECOM-90-C-005 ..... 12 p1974 N91-20861 #
TELECOM-90-D-008 ..... 12 p1959 N91-20776 #
TELECOM-90-D-009 ..... 11 p1786 N91-19798 #
TELECOM-90-E-004 ..... 12 p1959 N91-20777 #
TELECOM-90-E-005 ..... 12 p1902 N91-20461 #
TELECOM-90-E-006 ..... 12 p1889 N91-20383 #

TELEDYNE-CAE-2224 ..... 16 p2562 N91-24208* #

TI-08-90-36 ..... 04 p0587 N91-13280 #
TI-08-90-53 ..... 12 p1986 N91-20929 #
TI-08-91-09 ..... 19 p3255 N91-28012 #
TI-91-08 ..... 19 p3159 N91-27467 #

TIC-864 ..... 21 p3542 N91-29679 #

TIM-5834-2-1 ..... 23 p3788 N91-31122 #
TIM-5834-2-2-VOL-1 ..... 18 p2924 N91-26128 #
TIM-5834-2-2-VOL-2 ..... 23 p3788 N91-31123 #
TIM-5834-3-1 ..... 18 p2924 N91-26129 #
TIM-5834-4-1 ..... 23 p3788 N91-31124 #
TIM-5834-5-1 ..... 22 p3616 N91-30114 #

TIOS-91/003 ..... 23 p3855 N91-31493 #
TIOS-91/006 ..... 23 p3919 N91-31887 #
TIOS-91/007 ..... 22 p3736 N91-30807 #
TIOS-91/008 ..... 22 p3736 N91-30806 #
TIOS-91/0014 ..... 22 p3666 N91-30409 #

TL-SEAL-4-90 ..... 18 p2995 N91-26541 #

TM-91-78 ..... 18 p3057 N91-26883 #

TNO-BOUW-BI-90-209 ..... 23 p3868 N91-31577 #

TOP-1-2-610-PT-1 ..... 06 p0855 N91-14720 #

TOR-0091(6561-04)-1 ..... 13 p2033 N91-21178 #

TOSC-DR-514 ..... 08 p1244 N91-16855 #

TR-EE-90-47 ..... 16 p2667 N91-24754* #
TR-EE-90-53 ..... 15 p2495 N91-23821* #
TR-EE-90-54 ..... 15 p2493 N91-23806 #
TR-EE-90-64 ..... 15 p2490 N91-23786* #
TR-EE-91-4 ..... 14 p2306 N91-22743 #

TR-GD-016 ..... 21 p3472 N91-29258 #

TR-ONR-C-6 ..... 19 p3238 N91-27904 #

TR-1 ..... 07 p1015 N91-15574 #
TR-1 ..... 14 p2249 N91-22445 #
TR-1 ..... 15 p2505 N91-23879 #
TR-1 ..... 19 p3117 N91-27219 #
TR-1 ..... 19 p3127 N91-27276 #
TR-1 ..... 19 p3133 N91-27312 #
TR-1 ..... 20 p3396 N91-28821 #
TR-2 ..... 04 p0509 N91-12827 #
TR-2 ..... 04 p0518 N91-12886 #
TR-2 ..... 14 p2249 N91-22443 #
TR-2 ..... 15 p2448 N91-23558 #
TR-2 ..... 16 p2598 N91-24396 #
TR-2 ..... 18 p2954 N91-26302 #
TR-2 ..... 18 p2961 N91-26344 #
TR-2 ..... 18 p3053 N91-26857 #
TR-2 ..... 19 p3126 N91-27270 #
TR-2 ..... 19 p3139 N91-27343 #
TR-2 ..... 20 p3396 N91-28822 #
TR-2 ..... 21 p3523 N91-29569 #

TR-3 ..... 13 p2047 N91-21261 #
TR-3 ..... 15 p2399 N91-23285 #
TR-3 ..... 15 p2407 N91-23328 #
TR-3 ..... 16 p2605 N91-24432 #
TR-3 ..... 16 p2606 N91-24439 #
TR-3 ..... 18 p2941 N91-26220 #
TR-3 ..... 18 p2950 N91-26277 #
TR-3 ..... 19 p3139 N91-27344 #
TR-3 ..... 19 p3142 N91-27361 #
TR-3 ..... 19 p3180 N91-27582 #
TR-3 ..... 19 p3253 N91-27994 #
TR-3 ..... 19 p3255 N91-28011 #
TR-4 ..... 04 p0500 N91-12776 #
TR-4 ..... 04 p0506 N91-12808 #
TR-4 ..... 04 p0509 N91-12828 #
TR-4 ..... 15 p2505 N91-23880 #
TR-4 ..... 19 p3125 N91-27266 #
TR-4 ..... 19 p3141 N91-27358 #
TR-4 ..... 19 p3142 N91-27365 #
TR-4 ..... 19 p3142 N91-27367 #
TR-4 ..... 19 p3168 N91-27514 #
TR-4 ..... 21 p3506 N91-29462 #
TR-4 ..... 22 p3647 N91-30299 #
TR-4-PT-1 ..... 19 p3180 N91-27587 #
TR-5 ..... 03 p0338 N91-11892 #
TR-5 ..... 06 p0873 N91-14831 #
TR-5 ..... 08 p1118 N91-16146 #
TR-5 ..... 15 p2518 N91-23959 #
TR-5 ..... 19 p3116 N91-27218 #
TR-5 ..... 19 p3125 N91-27265 #
TR-5 ..... 19 p3141 N91-27359 #
TR-5 ..... 19 p3142 N91-27364 #
TR-5 ..... 19 p3242 N91-27931 #
TR-5 ..... 22 p3647 N91-30297 #
TR-5-PT-2 ..... 19 p3181 N91-27588 #
TR-5-32560 ..... 22 p3759 N91-30954* #
TR-6 ..... 03 p0344 N91-11926 #
TR-6 ..... 06 p0812 N91-14485 #
TR-6 ..... 12 p1876 N91-20309 #
TR-6 ..... 18 p2939 N91-26208 #
TR-6 ..... 19 p3125 N91-27267 #
TR-6 ..... 22 p3647 N91-30298 #
TR-7 ..... 03 p0337 N91-11891 #
TR-7 ..... 16 p2598 N91-24395 #
TR-7 ..... 18 p3059 N91-26900 #
TR-7 ..... 19 p3142 N91-27362 #
TR-7 ..... 19 p3241 N91-27923 #
TR-8 ..... 03 p0422 N91-12363 #
TR-8 ..... 04 p0509 N91-12830 #
TR-8 ..... 09 p1413 N91-17775 #
TR-8 ..... 19 p3126 N91-27273 #
TR-8 ..... 19 p3134 N91-27316 #
TR-8 ..... 19 p3241 N91-27922 #
TR-9 ..... 04 p0583 N91-13251 #
TR-9 ..... 05 p0640 N91-13551 #
TR-9 ..... 19 p3157 N91-27453 #
TR-9 ..... 19 p3241 N91-27925 #
TR-10 ..... 13 p2161 N91-21918 #
TR-10 ..... 19 p3241 N91-27924 #
TR-10 ..... 19 p3255 N91-28006 #
TR-10 ..... 20 p3423 N91-28987 #
TR-10 ..... 21 p3574 N91-29875 #
TR-11 ..... 04 p0536 N91-12975 #
TR-11 ..... 08 p1120 N91-16155 #
TR-11 ..... 12 p1872 N91-20289 #
TR-11 ..... 19 p3128 N91-27281 #
TR-11 ..... 19 p3135 N91-27321 #
TR-12 ..... 04 p0507 N91-12820 #
TR-12 ..... 12 p1976 N91-20870 #
TR-12 ..... 13 p2161 N91-21920 #
TR-12 ..... 13 p2163 N91-21928 #
TR-12 ..... 16 p2598 N91-24400 #
TR-12 ..... 18 p2965 N91-26365 #
TR-12 ..... 21 p3486 N91-29338 #
TR-12 ..... 21 p3574 N91-29876 #
TR-13 ..... 04 p0590 N91-13293 #
TR-13 ..... 13 p2161 N91-21919 #
TR-13-ONR ..... 12 p1865 N91-20246 #
TR-14 ..... 08 p1235 N91-16807 #
TR-14 ..... 18 p2949 N91-26272 #
TR-14 ..... 19 p3138 N91-27337 #
TR-14 ..... 21 p3594 N91-29996 #
TR-14-ONR ..... 12 p1987 N91-20934 #
TR-15 ..... 03 p0337 N91-11887 #
TR-15 ..... 04 p0507 N91-12819 #
TR-15 ..... 18 p2980 N91-26456 #
TR-16 ..... 18 p2946 N91-26257 #
TR-16 ..... 20 p3322 N91-28388 #
TR-16-ONR ..... 03 p0344 N91-11925 #
TR-17 ..... 04 p0588 N91-13282 #
TR-17 ..... 19 p3158 N91-27457 #
TR-17 ..... 21 p3488 N91-29357 #
TR-18 ..... 18 p2954 N91-26299 #
TR-18 ..... 18 p2961 N91-26343 #
TR-18 ..... 19 p3142 N91-27366 #
TR-18-ONR ..... 05 p0640 N91-13553 #
TR-18-ONR ..... 19 p3242 N91-27930 #
TR-19 ..... 15 p2398 N91-23282 #
TR-19 ..... 19 p3161 N91-27475 #
TR-19-ONR ..... 16 p2605 N91-24436 #
TR-19-ONR ..... 19 p3242 N91-27929 #
TR-20 ..... 04 p0508 N91-12821 #
TR-20 ..... 08 p1110 N91-16098 #
TR-20 ..... 15 p2406 N91-23323 #
TR-20 ..... 19 p3143 N91-27368 #
TR-21 ..... 12 p1972 N91-20851 #
TR-21 ..... 18 p2946 N91-26253 #
TR-21-ONR ..... 19 p3122 N91-27249 #
TR-22 ..... 20 p3322 N91-28387 #
TR-22-ONR ..... 19 p3250 N91-27976 #
TR-23 ..... 08 p1120 N91-16154 #
TR-23 ..... 12 p1866 N91-20250 #
TR-23 ..... 19 p3160 N91-27468 #
TR-23 ..... 21 p3574 N91-29877 #
TR-23-ONR ..... 18 p2949 N91-26271 #
TR-24 ..... 12 p1971 N91-20846 #
TR-24 ..... 12 p1976 N91-20868 #
TR-24 ..... 13 p2057 N91-21321 #
TR-24-ONR ..... 18 p2948 N91-26268 #
TR-25 ..... 18 p2963 N91-26352 #
TR-25-ONR ..... 18 p2938 N91-26207 #
TR-26 ..... 16 p2606 N91-24443 #
TR-26 ..... 18 p2963 N91-26353 #
TR-26-ONR ..... 18 p3020 N91-26676 #
TR-27 ..... 03 p0381 N91-12128 #
TR-27 ..... 16 p2606 N91-24445 #
TR-27 ..... 18 p2963 N91-26354 #
TR-28 ..... 12 p1914 N91-20525 #
TR-28 ..... 18 p2962 N91-26350 #
TR-28-ONR ..... 09 p1330 N91-17303 #
TR-29 ..... 20 p3424 N91-28989 #
TR-29 ..... 21 p3474 N91-29269 #
TR-29-ONR ..... 09 p1310 N91-17190 #
TR-30 ..... 07 p1072 N91-15900 #
TR-30 ..... 09 p1419 N91-17809 #
TR-30 ..... 13 p2093 N91-21521 #
TR-30 ..... 18 p2962 N91-26351 #
TR-30 ..... 18 p3000 N91-26566 #
TR-31 ..... 03 p0416 N91-12324 #
TR-31 ..... 13 p2051 N91-21283 #
TR-31 ..... 21 p3471 N91-29249 #
TR-31 ..... 21 p3489 N91-29362 #
TR-31-ONR ..... 09 p1318 N91-17237 #
TR-32 ..... 20 p3423 N91-28985 #
TR-33 ..... 13 p2153 N91-21870 #
TR-33 ..... 14 p2323 N91-22831 #
TR-33 ..... 19 p3142 N91-27363 #
TR-34 ..... 03 p0339 N91-11900 #
TR-34 ..... 13 p2162 N91-21923 #
TR-35 ..... 04 p0500 N91-12778 #
TR-36 ..... 12 p1875 N91-20306 #
TR-37 ..... 12 p1875 N91-20305 #
TR-37 ..... 15 p2398 N91-23279 #
TR-37 ..... 18 p2945 N91-26248 #
TR-38 ..... 12 p1875 N91-20304 #
TR-38 ..... 18 p2946 N91-26252 #
TR-38 ..... 18 p2947 N91-26260 #
TR-39 ..... 12 p1875 N91-20303 #
TR-39 ..... 18 p2938 N91-26206 #
TR-39 ..... 18 p2949 N91-26274 #
TR-40 ..... 12 p1874 N91-20302 #
TR-40 ..... 18 p2947 N91-26261 #
TR-40 ..... 18 p2949 N91-26275 #
TR-41 ..... 11 p1725 N91-19500 #
TR-41 ..... 12 p1874 N91-20301 #
TR-41 ..... 13 p2162 N91-21925 #
TR-41 ..... 23 p3812 N91-31266 #
TR-42-PT-11 ..... 19 p3253 N91-27995 #
TR-43 ..... 16 p2620 N91-24509 #
TR-43 ..... 21 p3475 N91-29273 #
TR-43-PT-15 ..... 19 p3251 N91-27987 #
TR-44 ..... 16 p2606 N91-24442 #
TR-45 ..... 19 p3251 N91-27985 #
TR-45 ..... 19 p3251 N91-27986 #
TR-46 ..... 19 p3251 N91-27984 #
TR-47-PT-12 ..... 19 p3252 N91-27988 #
TR-48-PT-13 ..... 19 p3252 N91-27989 #
TR-49-ONR ..... 04 p0500 N91-12777 #
TR-49-PT-14 ..... 19 p3252 N91-27992 #
TR-50 ..... 04 p0497 N91-12760 #
TR-51 ..... 03 p0345 N91-11932 #
TR-51 ..... 09 p1308 N91-17178 #
TR-52 ..... 03 p0345 N91-11931 #
TR-52 ..... 08 p1112 N91-16108 #
TR-54 ..... 07 p1061 N91-15837 #
TR-55 ..... 08 p1211 N91-16668 #
TR-55 ..... 09 p1318 N91-17234 #
TR-55 ..... 14 p2323 N91-22832 #
TR-55 ..... 19 p3125 N91-27263 #
TR-56 ..... 19 p3234 N91-27880 #
TR-56 ..... 19 p3241 N91-27926 #
TR-57 ..... 12 p1872 N91-20287 #

TR-57 ..... 14 p2249 N91-22439 #
TR-58 ..... 14 p2249 N91-22440 #
TR-59 ..... 18 p2965 N91-26367 #
TR-61 ..... 08 p1210 N91-16662 #
TR-67 ..... 18 p2945 N91-26247 #
TR-68 ..... 18 p2945 N91-26249 #
TR-69 ..... 11 p1810 N91-19946 #
TR-69 ..... 19 p3242 N91-27934 #
TR-70 ..... 21 p3482 N91-29314 #
TR-71 ..... 21 p3576 N91-29888 #
TR-73 ..... 16 p2683 N91-24857 #
TR-74 ..... 23 p3812 N91-31264 #
TR-87-032 ..... 04 p0561 N91-13115 #
TR-90 ..... 09 p1422 N91-17830 #
TR-90-9 ..... 13 p2082 N91-21474 #
TR-90-9-3 ..... 12 p1964 N91-20804* #
TR-90-03 ..... 12 p1967 N91-20826 #
TR-90-07 ..... 04 p0530 N91-12939 #
TR-90-07 ..... 13 p2098 N91-21549 #
TR-90-09 ..... 04 p0591 N91-13302 #
TR-90-15 ..... 23 p3917 N91-31880 #
TR-90-22 ..... 23 p3909 N91-31824 #
TR-90-24 ..... 23 p3909 N91-31825 #
TR-90-25 ..... 23 p3920 N91-31895 #
TR-90-26 ..... 23 p3936 N91-31996 #
TR-90-33C ..... 05 p0709 N91-13953 #
TR-90-37C ..... 06 p0868 N91-14798 #
TR-90-121 ..... 22 p3723 N91-30721* #
TR-90-251-AFOSR ..... 21 p3568 N91-29840 #
TR-90-256-AFOSR ..... 21 p3568 N91-29839 #
TR-90-1138 ..... 06 p0857 N91-14732* #
TR-90-1165 ..... 01 p0109 N91-10633* #
TR-90-1177 ..... 13 p2098 N91-21550 #
TR-91-NASA-37850-004 ..... 22 p3627 N91-30181* #
TR-91-2 ..... 13 p2123 N91-21686 #
TR-91-2 ..... 14 p2270 N91-22561* #
TR-91-6-70 ..... 21 p3524 N91-29576 #
TR-91-7 ..... 21 p3546 N91-29701 #
TR-91-01 ..... 23 p3910 N91-31826 #
TR-91-05 ..... 13 p2043 N91-21239* #
TR-91-09 ..... 22 p3727 N91-30744 #
TR-91-257-AFOSR ..... 21 p3568 N91-29838 #
TR-91-1185 ..... 14 p2303 N91-22722* #
TR-91-1187 ..... 10 p1574 N91-18664* #
TR-91-1188 ..... 10 p1574 N91-18663* #
TR-91-1192 ..... 10 p1575 N91-18665* #
TR-91-1200 ..... 12 p1960 N91-20783* #
TR-91-1205 ..... 16 p2667 N91-24759* #
TR-91-1216 ..... 18 p3044 N91-26804* #
TR-98 ..... 21 p3575 N91-29879 #
TR-99 ..... 21 p3574 N91-29878 #
TR-008 ..... 13 p2151 N91-21856 #
TR-101 ..... 21 p3575 N91-29880 #
TR-102 ..... 21 p3575 N91-29883 #
TR-103 ..... 03 p0413 N91-12310 #
TR-103 ..... 21 p3475 N91-29272 #
TR-104 ..... 21 p3505 N91-29455 #
TR-105 ..... 21 p3575 N91-29882 #
TR-106 ..... 21 p3575 N91-29884 #
TR-107 ..... 21 p3596 N91-30004 #
TR-133 ..... 18 p3055 N91-26873 #
TR-288 ..... 08 p1129 N91-16210 #
TR-289 ..... 04 p0577 N91-13209 #
TR-290 ..... 04 p0577 N91-13208 #
TR-293 ..... 04 p0577 N91-13207 #
TR-296 ..... 04 p0576 N91-13206 #
TR-300 ..... 15 p2496 N91-23826 #
TR-302 ..... 04 p0573 N91-13180 #
TR-304 ..... 04 p0578 N91-13216 #
TR-348 ..... 08 p1160 N91-16387 #
TR-349 ..... 09 p1387 N91-17629 #
TR-356 ..... 09 p1387 N91-17631 #
TR-438 ..... 14 p2320 N91-22816 #
TR-439 ..... 13 p2144 N91-21810 #
TR-440 ..... 16 p2680 N91-24834 #
TR-445 ..... 23 p3923 N91-31919 #
TR-824 ..... 12 p1891 N91-20399 #
TR-827 ..... 18 p2973 N91-26413 #
TR-828 ..... 12 p1953 N91-20741 #
TR-881 ..... 08 p1127 N91-16195 #
TR-882 ..... 05 p0627 N91-13475 #
TR-884 ..... 06 p0912 N91-15041 #
TR-887 ..... 12 p1882 N91-20344 #
TR-888 ..... 12 p1881 N91-20341 #
TR-892 ..... 18 p3042 N91-26792 #
TR-893 ..... 18 p2973 N91-26414 #
TR-894 ..... 18 p3042 N91-26795 #
TR-896 ..... 09 p1324 N91-17270 #
TR-897 ..... 12 p1856 N91-20199 #
TR-898 ..... 08 p1155 N91-16361 #
TR-900 ..... 12 p1883 N91-20351 #
TR-901 ..... 12 p1967 N91-20823 #
TR-904 ..... 18 p2973 N91-26412 #
TR-905 ..... 18 p2973 N91-26411 #
TR-906 ..... 12 p1856 N91-20200 #
TR-907 ..... 18 p3063 N91-26920 #
TR-908 ..... 19 p3264 N91-28052 #
TR-909 ..... 19 p3153 N91-27430 #
TR-910 ..... 18 p2973 N91-26410 #
TR-914 ..... 18 p3065 N91-26933 #
TR-920 ..... 19 p3152 N91-27424 #
TR-921 ..... 23 p3879 N91-31644 #
TR-0059(9320)-1-VOL-13 ..... 18 p2933 N91-26183 #
TR-0089(4464-06)-1 ..... 19 p3163 N91-27492 #
TR-0089(4530-04)-2 ..... 14 p2236 N91-22369 #
TR-0089(4930-02)-1 ..... 19 p3244 N91-27941 #
TR-0089(4930-06)-1 ..... 13 p2155 N91-21878 #
TR-0089(4930-06)-3 ..... 12 p1903 N91-20468 #
TR-0089(4935-03)-1 ..... 12 p1873 N91-20295 #
TR-0089(4940-05)-1 ..... 08 p1179 N91-16489 #
TR-0089(4940-05)-5 ..... 07 p1072 N91-15899 #
TR-0089(4940-06)-3 ..... 07 p1028 N91-15643 #
TR-0089(4940-06)-8 ..... 04 p0547 N91-13034 #
TR-0089(4945-02)-1 ..... 06 p0805 N91-14442 #
TR-0089(4945-03)-3 ..... 09 p1411 N91-17765 #
TR-0089(4945-03)-4 ..... 13 p2098 N91-21547 #
TR-0090(5470-01)-3 ..... 04 p0493 N91-12739 #
TR-0090(5530-02)-1 ..... 23 p3906 N91-31805 #
TR-0090(5533)-1 ..... 12 p1914 N91-20527 #
TR-0090(5604)-1 ..... 12 p1903 N91-20469 #
TR-0090(5920-07)-1 ..... 19 p3227 N91-27837 #
TR-0090(5920-07)-02 ..... 21 p3554 N91-29750 #
TR-0090(5925-01)-2 ..... 13 p2159 N91-21904 #
TR-0090(5925-01)-3 ..... 08 p1135 N91-16248 #
TR-0090(5925-05)-1 ..... 18 p2973 N91-26415 #
TR-0090(5925-07)-2 ..... 14 p2330 N91-22876 #
TR-0090(5930-01)-2 ..... 18 p2921 N91-26115 #
TR-0090(5930-04)-2 ..... 22 p3752 N91-30913 #
TR-0090(5930-04)-3 ..... 08 p1155 N91-16362 #
TR-0090(5935-03)-5 ..... 23 p3874 N91-31612 #
TR-0090(5940-06)-1 ..... 04 p0610 N91-13392 #
TR-0090(5940-06)-3 ..... 07 p1086 N91-15972 #
TR-0090(5945-03)-2 ..... 22 p3652 N91-30327 #
TR-0090(5945-03)-4 ..... 19 p3123 N91-27251 #
TR-0090(5945-05)-3 ..... 08 p1153 N91-16352 #
TR-0090(5945-05)-02 ..... 08 p1154 N91-16355 #
TR-0090(5945-07)-1 ..... 06 p0805 N91-14444 #
TR-0090(5945-07)-2 ..... 14 p2332 N91-22882 #
TR-0090(5945-09)-1 ..... 18 p2955 N91-26305 #
TR-0091(6464-05)-1 ..... 21 p3467 N91-29227 #
TR-1990-12 ..... 18 p2961 N91-26345 #
TR-1990-17 ..... 18 p3076 N91-27002 #
TR-1990-19 ..... 18 p2960 N91-26335 #
TR-1990-21 ..... 18 p2960 N91-26336 #
TR-1991-1 ..... 22 p3775 N91-31053* #
TR-1991-18 ..... 23 p3820 N91-31310 #
TR-2917 ..... 04 p0583 N91-13249 #
TR-2924 ..... 13 p2074 N91-21422 #
TR-27824 ..... 05 p0668 N91-13712 #
TR-022891-3570P ..... 19 p3149 N91-27402* #
TR-025921-22T ..... 22 p3744 N91-30860* #
TR-062188-3273F2 ..... 11 p1694 N91-19331 #
TR-721566-1 ..... 03 p0358 N91-12004 #
TR-901008-4 ..... 06 p0823 N91-14548 #
TR-901008-5 ..... 18 p2978 N91-26439 #
TR-911008-1 ..... 19 p3150 N91-27412 #

TRB/NCHRP/SYN-161 ..... 09 p1383 N91-17604 #

TRB/TRR-1219 ..... 01 p0069 N91-10415 #
TRB/TRR-1257 ..... 09 p1271 N91-16988 #
TRB/TRR-1261 ..... 09 p1422 N91-17828 #
TRB/TRR-1267 ..... 12 p1921 N91-20567 #

TRI-PP-90-22 ..... 02 p0268 N91-11505 #
TRI-PP-90-42 ..... 06 p0873 N91-14827 #
TRI-PP-90-43 ..... 06 p0821 N91-14534 #
TRI-PP-90-88 ..... 20 p3400 N91-28842 #
TRI-PP-91-3 ..... 20 p3398 N91-28830 #

TRITA-EPP-89-06 ..... 02 p0235 N91-11312 #
TRITA-EPP-89-07 ..... 02 p0272 N91-11528 #
TRITA-EPP-89-08 ..... 02 p0272 N91-11529 #
TRITA-EPP-90-01 ..... 02 p0272 N91-11530 #
TRITA-EPP-90-03 ..... 02 p0273 N91-11531 #
TRITA-EPP-90-04 ..... 02 p0267 N91-11496 #
TRITA-EPP-90-05 ..... 22 p3757 N91-30941 #
TRITA-EPP-90-06 ..... 22 p3757 N91-30942 #
TRITA-EPP-90-07 ..... 22 p3757 N91-30943* #
TRITA-EPP-90-08 ..... 22 p3757 N91-30944 #

TRP/NCHRP/SYN-165 ..... 13 p2069 N91-21399 #

TRW-P331.LM1.90.185 ..... 15 p2421 N91-23408* #

TRW-S/N-48027 ..... 19 p3128 N91-27282 #

TR89-049 ..... 08 p1204 N91-16622 #
TR90-14 ..... 15 p2494 N91-23815 #
TR90-40 ..... 15 p2495 N91-23816 #
TR90-56 ..... 23 p3922 N91-31914 #
TR90-033 ..... 08 p1242 N91-16844 #

TR90-041 ..... 20 p3384 N91-28746 #
TR91-009 ..... 19 p3246 N91-27953 #
TR91-010 ..... 19 p3261 N91-28037 #
TR91-013 ..... 20 p3388 N91-28770 #
TR91-020 ..... 20 p3396 N91-28823 #
TR4369-065-90 ..... 16 p2651 N91-24674 #
TR4474-156-89 ..... 09 p1321 N91-17252 #
TR4489-096-90 ..... 18 p2993 N91-26530 #
TR7020-041-90 ..... 13 p2068 N91-21389 #

TSI-90-10-10-WB ..... 17 p2739 N91-25160 #
TSI-8152-BRL ..... 18 p2939 N91-26213 #

TSIMRI-4193-4 ..... 22 p3647 N91-30299 #
TSIMRI-4193-5 ..... 22 p3647 N91-30297 #
TSIMRI-4193-6 ..... 22 p3647 N91-30298 #

TT-9009 ..... 05 p0618 N91-13426 #
TT-9011 ..... 05 p0618 N91-13427 #
TT-9012 ..... 07 p1010 N91-15543 #
TT-9107 ..... 22 p3609 N91-30076

TTC-0836 ..... 06 p0844 N91-14661 #
TTC-0959 ..... 06 p0849 N91-14687 #
TTC-1077 ..... 16 p2699 N91-24949 #

TTCRL-90-1 ..... 04 p0522 N91-12905 #

TTU-RR-11-5-89-1207 ..... 19 p3102 N91-27141 #

TU-ONR-90 ..... 09 p1413 N91-17778 #

TUF-90-07 ..... 14 p2323 N91-22830* #

TUM-REPT-229 ..... 14 p2343 N91-22953 #

TW-89-14-PT-3 ..... 01 p0110 N91-10640 #
TW-90-01-B ..... 01 p0115 N91-10680 #
TW-90-03-PT-4 ..... 01 p0110 N91-10641 #
TW-90-04-PT-5 ..... 01 p0110 N91-10642 #
TW-90-05 ..... 14 p2320 N91-22809 #
TW-90-06 ..... 14 p2338 N91-22924 #
TW-90-07 ..... 14 p2320 N91-22810 #
TW-90-08 ..... 14 p2320 N91-22811 #
TW-90-10 ..... 22 p3732 N91-30777 #
TW-91-02 ..... 23 p3923 N91-31918 #
TW-8911 ..... 02 p0261 N91-11459 #

TWR-17371-REV-A ..... 04 p0494 N91-12747* #
TWR-17543-1-VOL-1 ..... 22 p3641 N91-30263* #
TWR-17544-5 ..... 04 p0494 N91-12746* #
TWR-17545-VOL-4 ..... 06 p0800 N91-14415* #
TWR-17546-VOL-2 ..... 22 p3641 N91-30262* #
TWR-17546-VOL-3 ..... 13 p2042 N91-21230* #
TWR-17546-VOL-7 ..... 01 p0019 N91-10115* #
TWR-17548-VOL-1 ..... 04 p0495 N91-12749* #
TWR-17549-VOL-1 ..... 13 p2042 N91-21231* #
TWR-17550-10 ..... 12 p1858 N91-20203* #
TWR-17552-10 ..... 09 p1301 N91-17139* #
TWR-17592-VOL-7 ..... 10 p1491 N91-18208* #
TWR-17659 ..... 18 p2938 N91-26203* #
TWR-18755 ..... 10 p1506 N91-18288* #
TWR-18764/13 ..... 06 p0800 N91-14416* #
TWR-50068 ..... 08 p1104 N91-16064* #
TWR-50143-2 ..... 11 p1664 N91-19172* #
TWR-50181 ..... 02 p0184 N91-11034* #
TWR-60119-REV-A ..... 05 p0661 N91-13675* #
TWR-60187 ..... 18 p2936 N91-26195* #
TWR-60187-VOL-1 ..... 20 p3291 N91-28192* #
TWR-60187-VOL-3 ..... 19 p3114 N91-27203* #
TWR-60189 ..... 05 p0643 N91-13570* #
TWR-60248 ..... 10 p1527 N91-18406* #
TWR-60533 ..... 06 p0829 N91-14581* #
TWR-60551 ..... 05 p0643 N91-13569* #
TWR-60834-VOL-1 ..... 14 p2225 N91-22303* #
TWR-60834-VOL-2-APP-A/B ..... 14 p2225 N91-22304* #
TWR-61241 ..... 22 p3641 N91-30264* #
TWR-61561 ..... 22 p3640 N91-30261* #
TWR-61684 ..... 14 p2273 N91-22573* #

U-OF-IOWA-90-19 ..... 02 p0293 N91-11642* #
U-OF-IOWA-91-18 ..... 24 p4123 N91-33043* #

UAG-98 ..... 02 p0294 N91-11648 #
UAG-99 ..... 22 p3704 N91-30618 #
UAG-100 ..... 22 p3776 N91-31059 #

UAH-RR-ME-90-101 ..... 12 p1858 N91-20205* #

UAH-RR-823 ..... 19 p3214 N91-27765* #
UAH-RR-824 ..... 19 p3214 N91-27766* #

UAH-SUB89-116 ..... 07 p1038 N91-15695* #

UAH-5-31976 ..... 09 p1425 N91-17845* #
UAH-5-32401 ..... 16 p2705 N91-24970* #

UAH-90-30 ..... 02 p0251 N91-11393* #

UAH01/A006 ..... 19 p3244 N91-27942 #

UBA-FB-105-05-303 ..... 04 p0579 N91-13224 #

UBUFFALO/DC/90/TR-18 ..... 03 p0414 N91-12314 #
UBUFFALO/DC/90/TR-19 ..... 03 p0339 N91-11899 #
UBUFFALO/DC/90/TR-20 ..... 04 p0518 N91-12882 #
UBUFFALO/DC/90/TR-21 ..... 04 p0588 N91-13283 #
UBUFFALO/DC/90/TR-22 ..... 04 p0503 N91-12791 #
UBUFFALO/DC/90/TR-23 ..... 06 p0805 N91-14445 #
UBUFFALO/DC/90/TR-25 ..... 06 p0874 N91-14832 #
UBUFFALO/DC/90/TR-27 ..... 08 p1237 N91-16819 #
UBUFFALO/DC/90/TR-28 ..... 09 p1411 N91-17764 #
UBUFFALO/DC/90/TR-29 ..... 22 p3754 N91-30926 #
UBUFFALO/DC/90/TR-31 ..... 12 p1990 N91-20953 #
UBUFFALO/DC/90/TR-32 ..... 12 p1872 N91-20286 #
UBUFFALO/DC/90/TR-33 ..... 12 p1986 N91-20927 #
UBUFFALO/DC/90/TR-34 ..... 12 p1873 N91-20291 #
UBUFFALO/DC/90/TR-35 ..... 12 p1980 N91-20896 #
UBUFFALO/DC/90/TR-36 ..... 22 p3666 N91-30412 #
UBUFFALO/DC/90/TR-37 ..... 22 p3666 N91-30413 #
UBUFFALO/DC/90/TR-38 ..... 12 p1976 N91-20873 #
UBUFFALO/DC/91/TR-27 ..... 19 p3251 N91-27982 #
UBUFFALO/DC/91/TR-39 ..... 12 p1991 N91-20959 #
UBUFFALO/DC/91/TR-40 ..... 20 p3395 N91-28820 #
UBUFFALO/DC/91/TR-42 ..... 16 p2694 N91-24913 #
UBUFFALO/DC/91/TR-43 ..... 16 p2685 N91-24871 #
UBUFFALO/DC/91/TR-44 ..... 18 p3058 N91-26893 #
UBUFFALO/DC/91/TR-45 ..... 18 p3058 N91-26894 #
UBUFFALO/DC/91/TR-46 ..... 18 p2980 N91-26455 #
UBUFFALO/DC/91/TR-47 ..... 19 p3123 N91-27252 #
UBUFFALO/DC/91/TR-48 ..... 18 p3055 N91-26875 #
UBUFFALO/DC/91/TR-49 ..... 18 p3070 N91-26963 #
UBUFFALO/DC/91/TR-51 ..... 20 p3394 N91-28812 #

UC-700 ..... 08 p1152 N91-16345 #
UC-742 ..... 08 p1121 N91-16160 #
UC-900 ..... 02 p0293 N91-11646 #

UCB-PTH-90/10 ..... 05 p0728 N91-14068 #
UCB-PTH-90/30 ..... 18 p3075 N91-26992 #
UCB-PTH-90/37 ..... 11 p1812 N91-19951 #
UCB-PTH-90/41 ..... 07 p1075 N91-15916 #
UCB-PTH-90/49 ..... 20 p3434 N91-29054 #
UCB-PTH-91/9 ..... 20 p3436 N91-29062 #
UCB-PTH-91/24 ..... 24 p4093 N91-32866 #
UCB-PTH-91/26 ..... 24 p4095 N91-32880 #

UCB/CSD-90/574 ..... 11 p1773 N91-19718* #
UCB/CSD-91/616 ..... 10 p1570 N91-18633* #

UCB/ERL-M-90/67 ..... 12 p1985 N91-20921 #

UCB/ERL-90/1 ..... 16 p2620 N91-24503 #

UCB/R/90/A1065 ..... 03 p0381 N91-12126 #
UCB/R/91/A1072 ..... 21 p3482 N91-29317 #

UCB/SEMM-90/11 ..... 19 p3182 N91-27594 #

UCI-ARTR-90-15 ..... 22 p3677 N91-30471 #

UCI-ICS-TR-89-34 ..... 04 p0552 N91-13060 #

UCID-18991-89 ..... 16 p2652 N91-24678 #
UCID-20622-90-2 ..... 20 p3307 N91-28305 #
UCID-21718 ..... 21 p3520 N91-29551 #
UCID-21719 ..... 21 p3520 N91-29550 #
UCID-21849 ..... 08 p1169 N91-16437 #
UCID-21849-REV-1 ..... 08 p1226 N91-16759 #
UCID-21868 ..... 13 p2105 N91-21584 #
UCID-21956 ..... 21 p3570 N91-29848 #

UCLA-ENG-88-28 ..... 05 p0656 N91-13645* #

UCRL-CR-103401 ..... 02 p0248 N91-11382 #
UCRL-CR-103554 ..... 15 p2529 N91-24013 #
UCRL-CR-103753 ..... 08 p1173 N91-16455 #
UCRL-CR-103758-SUPPL ..... 24 p4023 N91-32486 #
UCRL-CR-103859 ..... 08 p1228 N91-16768 #
UCRL-CR-103900 ..... 21 p3520 N91-29552 #
UCRL-CR-104249 ..... 08 p1221 N91-16724 #
UCRL-CR-104314 ..... 02 p0205 N91-11147 #
UCRL-CR-104524 ..... 05 p0664 N91-13689 #
UCRL-CR-104525 ..... 07 p0976 N91-15354 #
UCRL-CR-104544 ..... 01 p0022 N91-10130 #
UCRL-CR-104574 ..... 01 p0056 N91-10331 #
UCRL-CR-104583 ..... 01 p0113 N91-10659 #
UCRL-CR-104589 ..... 02 p0204 N91-11141 #
UCRL-CR-104625 ..... 05 p0665 N91-13697 #
UCRL-CR-104639 ..... 01 p0031 N91-10186 #
UCRL-CR-104696 ..... 12 p1906 N91-20485 #
UCRL-CR-104813 ..... 06 p0831 N91-14592 #
UCRL-CR-104838 ..... 04 p0537 N91-12978 #

UCRL-CR-104873 ..... 04 p0585 N91-13262 #
UCRL-CR-104934 ..... 04 p0520 N91-12895 #
UCRL-CR-105109 ..... 05 p0720 N91-14020 #
UCRL-CR-105118 ..... 06 p0817 N91-14513* #
UCRL-CR-105166-1 ..... 24 p4073 N91-32758 #
UCRL-CR-105373 ..... 11 p1808 N91-19927 #
UCRL-CR-105603 ..... 11 p1776 N91-19739 #
UCRL-CR-105617 ..... 10 p1523 N91-18387 #
UCRL-CR-105763 ..... 10 p1591 N91-18770 #
UCRL-CR-105773 ..... 11 p1694 N91-19331 #
UCRL-CR-105803 ..... 10 p1625 N91-18965 #
UCRL-CR-105807 ..... 10 p1602 N91-18836 #
UCRL-CR-105858-SUMM ..... 14 p2251 N91-22455 #
UCRL-CR-105907 ..... 10 p1529 N91-18420 #
UCRL-CR-105944 ..... 15 p2431 N91-23465 #
UCRL-CR-105952 ..... 17 p2869 N91-25868 #
UCRL-CR-105983 ..... 17 p2869 N91-25869 #
UCRL-CR-106037 ..... 09 p1411 N91-17766 #
UCRL-CR-106064 ..... 04 p0586 N91-13269 #
UCRL-CR-106146 ..... 15 p2400 N91-23291 #
UCRL-CR-106563 ..... 18 p2957 N91-26318 #
UCRL-CR-106596 ..... 15 p2431 N91-23466 #
UCRL-CR-106691 ..... 18 p3072 N91-26977 #
UCRL-CR-106704 ..... 15 p2408 N91-23333 #
UCRL-CR-106986 ..... 17 p2860 N91-25814 #
UCRL-CR-107094 ..... 21 p3580 N91-29916 #
UCRL-CR-107473 ..... 24 p4027 N91-32504 #
UCRL-CR-107841 ..... 24 p4122 N91-33039 #
UCRL-CR-107905 ..... 21 p3520 N91-29548 #
UCRL-CR-107988 ..... 24 p4105 N91-32940 #

UCRL-ID-103344 ..... 01 p0119 N91-10706 #
UCRL-ID-103429 ..... 08 p1212 N91-16672 #
UCRL-ID-103432 ..... 04 p0564 N91-13132 #
UCRL-ID-103473 ..... 08 p1227 N91-16761 #
UCRL-ID-103486 ..... 08 p1226 N91-16758 #
UCRL-ID-103495-89 ..... 01 p0135 N91-10802 #
UCRL-ID-103495-90 ..... 23 p3881 N91-31658 #
UCRL-ID-103808 ..... 08 p1125 N91-16181 #
UCRL-ID-103856 ..... 05 p0666 N91-13704 #
UCRL-ID-103928 ..... 07 p1073 N91-15903 #
UCRL-ID-104090 ..... 03 p0401 N91-12229 #
UCRL-ID-104094 ..... 13 p2092 N91-21518 #
UCRL-ID-104103-REV-1 ..... 10 p1527 N91-18411 #
UCRL-ID-104305 ..... 10 p1614 N91-18907 #
UCRL-ID-104374 ..... 05 p0667 N91-13709 #
UCRL-ID-104492 ..... 10 p1614 N91-18908 #
UCRL-ID-104523 ..... 06 p0833 N91-14606 #
UCRL-ID-104558 ..... 02 p0214 N91-11195 #
UCRL-ID-104566 ..... 13 p2158 N91-21898 #
UCRL-ID-104759 ..... 02 p0226 N91-11265 #
UCRL-ID-104835 ..... 05 p0632 N91-13501 #
UCRL-ID-104836 ..... 05 p0662 N91-13680 #
UCRL-ID-104862 ..... 10 p1569 N91-18629 #
UCRL-ID-104890 ..... 05 p0670 N91-13726 #
UCRL-ID-104929 ..... 12 p1915 N91-20537 #
UCRL-ID-104988 ..... 10 p1556 N91-18556 #
UCRL-ID-104990 ..... 02 p0270 N91-11515 #
UCRL-ID-104993 ..... 09 p1344 N91-17381 #
UCRL-ID-105063 ..... 06 p0816 N91-14507 #
UCRL-ID-105097 ..... 04 p0479 N91-12670 #
UCRL-ID-105117 ..... 06 p0829 N91-14583 #
UCRL-ID-105132 ..... 05 p0702 N91-13914 #
UCRL-ID-105197 ..... 11 p1679 N91-19254 #
UCRL-ID-105222 ..... 05 p0720 N91-14016 #
UCRL-ID-105261 ..... 10 p1564 N91-18604 #
UCRL-ID-105300 ..... 13 p2145 N91-21815 #
UCRL-ID-105520 ..... 10 p1526 N91-18403 #
UCRL-ID-105574 ..... 21 p3605 N91-30062 #
UCRL-ID-105650 ..... 09 p1408 N91-17746 #
UCRL-ID-105656 ..... 10 p1515 N91-18343 #
UCRL-ID-105662 ..... 07 p0970 N91-15327 #
UCRL-ID-105842 ..... 10 p1537 N91-18460 #
UCRL-ID-105872 ..... 12 p1899 N91-20444 #
UCRL-ID-106004 ..... 06 p0811 N91-14481 #
UCRL-ID-106022 ..... 06 p0802 N91-14428 #
UCRL-ID-106077 ..... 04 p0564 N91-13133 #
UCRL-ID-106142 ..... 12 p1908 N91-20499 #
UCRL-ID-106165 ..... 10 p1575 N91-18670 #
UCRL-ID-106187 ..... 10 p1541 N91-18485 #
UCRL-ID-106201 ..... 15 p2430 N91-23463 #
UCRL-ID-106243 ..... 16 p2660 N91-24717 #
UCRL-ID-106311 ..... 15 p2472 N91-23692 #
UCRL-ID-106416 ..... 20 p3285 N91-28167 #
UCRL-ID-106488 ..... 21 p3522 N91-29561 #
UCRL-ID-106509 ..... 12 p1831 N91-20060 #
UCRL-ID-106550 ..... 17 p2778 N91-25374 #
UCRL-ID-106591 ..... 15 p2502 N91-23858 #
UCRL-ID-106827 ..... 15 p2442 N91-23527 #
UCRL-ID-106838 ..... 18 p2967 N91-26381 #
UCRL-ID-106855 ..... 17 p2777 N91-25371 #
UCRL-ID-106868 ..... 17 p2767 N91-25314 #
UCRL-ID-106990 ..... 17 p2918 N91-26106 #
UCRL-ID-107107 ..... 22 p3752 N91-30915 #
UCRL-ID-107112-PT-1 ..... 20 p3351 N91-28559 #
UCRL-ID-107120 ..... 18 p2991 N91-26519 #
UCRL-ID-107211 ..... 20 p3417 N91-28948 #
UCRL-ID-107220 ..... 20 p3423 N91-28964 #
UCRL-ID-107222 ..... 20 p3418 N91-28952 #
UCRL-ID-107239 ..... 21 p3460 N91-29192 #
UCRL-ID-107610 ..... 21 p3534 N91-29633 #

UCRL-JC-10397 ..... 08 p1109 N91-16088 #
UCRL-JC-10639 ..... 20 p3308 N91-28313 #
UCRL-JC-102831 ..... 10 p1517 N91-18353 #
UCRL-JC-103166 ..... 08 p1180 N91-16497 #
UCRL-JC-103244 ..... 08 p1121 N91-16159 #
UCRL-JC-103247 ..... 01 p0024 N91-10142 #
UCRL-JC-103279 ..... 08 p1180 N91-16498 #
UCRL-JC-103281 ..... 05 p0720 N91-14021 #
UCRL-JC-103302 ..... 08 p1125 N91-16182 #
UCRL-JC-103324 ..... 10 p1507 N91-18294 #
UCRL-JC-103326 ..... 10 p1590 N91-18769 #
UCRL-JC-103328 ..... 02 p0207 N91-11156 #
UCRL-JC-103330 ..... 10 p1529 N91-18418 #
UCRL-JC-103338 ..... 08 p1151 N91-16340 #
UCRL-JC-103342 ..... 24 p4096 N91-32885 #
UCRL-JC-103354 ..... 05 p0665 N91-13698 #
UCRL-JC-103450 ..... 10 p1517 N91-18354 #
UCRL-JC-103458 ..... 05 p0666 N91-13699 #
UCRL-JC-103464 ..... 08 p1229 N91-16773 #
UCRL-JC-103469 ..... 01 p0027 N91-10161 #
UCRL-JC-103491 ..... 06 p0879 N91-14852 #
UCRL-JC-103502 ..... 05 p0652 N91-13623 #
UCRL-JC-103520 ..... 08 p1219 N91-16713 #
UCRL-JC-103526 ..... 08 p1223 N91-16736 #
UCRL-JC-103527 ..... 10 p1609 N91-18879 #
UCRL-JC-103552 ..... 10 p1524 N91-18389 #
UCRL-JC-103604 ..... 10 p1530 N91-18425 #
UCRL-JC-103608 ..... 08 p1233 N91-16798 #
UCRL-JC-103629 ..... 08 p1152 N91-16344 #
UCRL-JC-103634 ..... 10 p1505 N91-18284 #
UCRL-JC-103724 ..... 11 p1806 N91-19921 #
UCRL-JC-103725 ..... 11 p1807 N91-19924 #
UCRL-JC-103736 ..... 06 p0876 N91-14842 #
UCRL-JC-103762 ..... 02 p0193 N91-11081 #
UCRL-JC-103782 ..... 09 p1325 N91-17276 #
UCRL-JC-103798 ..... 05 p0652 N91-13619 #
UCRL-JC-103816 ..... 05 p0717 N91-14004 #
UCRL-JC-103816-REV-1 ..... 12 p1984 N91-20916 #
UCRL-JC-103817 ..... 04 p0585 N91-13268 #
UCRL-JC-103817-REV-1 ..... 09 p1406 N91-17736 #
UCRL-JC-103826 ..... 11 p1710 N91-19418 #
UCRL-JC-103870 ..... 05 p0632 N91-13499 #
UCRL-JC-103872 ..... 08 p1232 N91-16794 #
UCRL-JC-103883 ..... 04 p0585 N91-13264 #
UCRL-JC-103943 ..... 08 p1239 N91-16829 #
UCRL-JC-103946 ..... 04 p0488 N91-12713 #
UCRL-JC-103948 ..... 02 p0270 N91-11514 #
UCRL-JC-103980 ..... 07 p1053 N91-15780 #
UCRL-JC-104111 ..... 20 p3307 N91-28307 #
UCRL-JC-104112 ..... 20 p3307 N91-28306 #
UCRL-JC-104150 ..... 05 p0718 N91-14007 #
UCRL-JC-104151 ..... 07 p1049 N91-15760 #
UCRL-JC-104161 ..... 11 p1712 N91-19433 #
UCRL-JC-104164 ..... 20 p3334 N91-28462 #
UCRL-JC-104182 ..... 04 p0586 N91-13270 #
UCRL-JC-104204 ..... 01 p0108 N91-10626 #
UCRL-JC-104214 ..... 07 p0966 N91-15305 #
UCRL-JC-104223-REV-1 ..... 02 p0292 N91-11635 #
UCRL-JC-104229 ..... 13 p2088 N91-21488 #
UCRL-JC-104237 ..... 21 p3522 N91-29559 #
UCRL-JC-104241 ..... 01 p0124 N91-10733 #
UCRL-JC-104276 ..... 02 p0193 N91-11082 #
UCRL-JC-104280 ..... 23 p3821 N91-31316 #
UCRL-JC-104323 ..... 10 p1596 N91-18805 #
UCRL-JC-104336 ..... 01 p0045 N91-10267 #
UCRL-JC-104362 ..... 02 p0217 N91-11214 #
UCRL-JC-104394 ..... 13 p2090 N91-21504 #
UCRL-JC-104403 ..... 09 p1408 N91-17748 #
UCRL-JC-104404 ..... 14 p2269 N91-22557 #
UCRL-JC-104407 ..... 09 p1343 N91-17380 #
UCRL-JC-104407-REV-1 ..... 11 p1712 N91-19429 #
UCRL-JC-104417 ..... 03 p0370 N91-12076 #
UCRL-JC-104425 ..... 09 p1408 N91-17749 #
UCRL-JC-104425-REV-1 ..... 21 p3586 N91-29946 #
UCRL-JC-104433 ..... 05 p0635 N91-13520 #
UCRL-JC-104435 ..... 11 p1712 N91-19430 #
UCRL-JC-104439 ..... 17 p2781 N91-25390 #
UCRL-JC-104448 ..... 05 p0708 N91-13945 #
UCRL-JC-104493 ..... 02 p0254 N91-11409 #
UCRL-JC-104515 ..... 21 p3494 N91-29387 #
UCRL-JC-104573 ..... 02 p0275 N91-11547 #
UCRL-JC-104590 ..... 10 p1604 N91-18848 #
UCRL-JC-104591 ..... 13 p2161 N91-21915 #
UCRL-JC-104593 ..... 11 p1682 N91-19268 #
UCRL-JC-104594 ..... 12 p1871 N91-20282 #
UCRL-JC-104595 ..... 10 p1608 N91-18876 #
UCRL-JC-104612 ..... 11 p1707 N91-19400 #
UCRL-JC-104640 ..... 11 p1710 N91-19417 #
UCRL-JC-104647 ..... 10 p1530 N91-18426 #
UCRL-JC-104650 ..... 14 p2270 N91-22559 #

UCRL-JC-104660 ..... 10 p1614 N91-18904 #
UCRL-JC-104665 ..... 02 p0268 N91-11499 #
UCRL-JC-104674 ..... 20 p3325 N91-28408 #
UCRL-JC-104677 ..... 10 p1543 N91-18495 #
UCRL-JC-104691 ..... 05 p0710 N91-13962 #
UCRL-JC-104693 ..... 01 p0113 N91-10661 #
UCRL-JC-104716 ..... 11 p1818 N91-19983 #
UCRL-JC-104721 ..... 02 p0196 N91-11098 #
UCRL-JC-104730 ..... 10 p1545 N91-18503 #
UCRL-JC-104734 ..... 01 p0068 N91-10409 #
UCRL-JC-104735 ..... 16 p2655 N91-24691 #
UCRL-JC-104774 ..... 01 p0112 N91-10650 #
UCRL-JC-104787 ..... 11 p1783 N91-19782 #
UCRL-JC-104788 ..... 11 p1783 N91-19781 #
UCRL-JC-104789 ..... 11 p1783 N91-19780 #
UCRL-JC-104791 ..... 10 p1587 N91-18752 #
UCRL-JC-104810-REV-1 ..... 11 p1762 N91-19698 #
UCRL-JC-104826 ..... 12 p1915 N91-20535 #
UCRL-JC-104830 ..... 07 p1072 N91-15902 #
UCRL-JC-104841 ..... 10 p1518 N91-18355 #
UCRL-JC-104849 ..... 04 p0585 N91-13267 #
UCRL-JC-104854 ..... 20 p3434 N91-29053 #
UCRL-JC-104869 ..... 05 p0667 N91-13707 #
UCRL-JC-104877 ..... 09 p1339 N91-17356 #
UCRL-JC-104883 ..... 09 p1415 N91-17788 #
UCRL-JC-104900 ..... 09 p1343 N91-17376 #
UCRL-JC-104926 ..... 06 p0867 N91-14791 #
UCRL-JC-104938 ..... 05 p0713 N91-13978 #
UCRL-JC-104969 ..... 05 p0727 N91-14063 #
UCRL-JC-104970 ..... 10 p1528 N91-18415 #
UCRL-JC-104971 ..... 05 p0664 N91-13690 #
UCRL-JC-104983 ..... 04 p0530 N91-12940 #
UCRL-JC-104984-R1 ..... 13 p2159 N91-21902 #
UCRL-JC-104991 ..... 05 p0713 N91-13981 #
UCRL-JC-105000 ..... 04 p0591 N91-13299 #
UCRL-JC-105008 ..... 11 p1737 N91-19553 #
UCRL-JC-105011 ..... 15 p2459 N91-23628 #
UCRL-JC-105024 ..... 05 p0677 N91-13765 #
UCRL-JC-105032 ..... 10 p1530 N91-18427 #
UCRL-JC-105034 ..... 24 p4122 N91-33038 #
UCRL-JC-105036 ..... 09 p1408 N91-17747 #
UCRL-JC-105056 ..... 04 p0585 N91-13265 #
UCRL-JC-105066 ..... 17 p2869 N91-25871 #
UCRL-JC-105070 ..... 17 p2867 N91-25862 #
UCRL-JC-105079 ..... 24 p4098 N91-32898 #
UCRL-JC-105102 ..... 18 p3067 N91-26947 #
UCRL-JC-105105 ..... 18 p2992 N91-26525 #
UCRL-JC-105106 ..... 15 p2502 N91-23860 #
UCRL-JC-105107 ..... 18 p2991 N91-26518 #
UCRL-JC-105120 ..... 14 p2265 N91-22534 #
UCRL-JC-105123 ..... 13 p2092 N91-21516 #
UCRL-JC-105124 ..... 13 p2159 N91-21903 #
UCRL-JC-105138 ..... 20 p3357 N91-28599 #
UCRL-JC-105139 ..... 11 p1719 N91-19466 #
UCRL-JC-105182 ..... 15 p2425 N91-23430 #
UCRL-JC-105183 ..... 15 p2424 N91-23429 #
UCRL-JC-105183-REV-1 ..... 21 p3510 N91-29489 #
UCRL-JC-105200 ..... 05 p0648 N91-13599 #
UCRL-JC-105202 ..... 10 p1594 N91-18797 #
UCRL-JC-105205 ..... 11 p1805 N91-19910 #
UCRL-JC-105217 ..... 05 p0702 N91-13915 #
UCRL-JC-105225 ..... 05 p0686 N91-13815 #
UCRL-JC-105244 ..... 10 p1494 N91-18224 #
UCRL-JC-105244-REV-1 ..... 20 p3304 N91-28285 #
UCRL-JC-105249 ..... 21 p3502 N91-29435 #
UCRL-JC-105250 ..... 24 p3989 N91-32286 #
UCRL-JC-105251 ..... 17 p2778 N91-25377 #
UCRL-JC-105252 ..... 17 p2777 N91-25372 #
UCRL-JC-105255 ..... 11 p1779 N91-19758 #
UCRL-JC-105259 ..... 23 p3891 N91-31717 #
UCRL-JC-105271 ..... 15 p2424 N91-23426 #
UCRL-JC-105271-REV-1 ..... 21 p3537 N91-29652 #
UCRL-JC-105277 ..... 15 p2460 N91-23631 #
UCRL-JC-105280 ..... 10 p1602 N91-18833 #
UCRL-JC-105285 ..... 15 p2433 N91-23478 #
UCRL-JC-105286 ..... 15 p2433 N91-23479 #
UCRL-JC-105293 ..... 10 p1544 N91-18498 #
UCRL-JC-105307 ..... 07 p1069 N91-15883 #
UCRL-JC-105315 ..... 09 p1330 N91-17308 #
UCRL-JC-105323-PT-1 ..... 09 p1450 N91-18000 #
UCRL-JC-105323-PT-2 ..... 08 p1268 N91-16982 #
UCRL-JC-105345 ..... 20 p3282 N91-28148 #
UCRL-JC-105355 ..... 24 p4006 N91-32401 #
UCRL-JC-105356 ..... 13 p2089 N91-21497 #
UCRL-JC-105362 ..... 18 p3049 N91-26834 #
UCRL-JC-105376 ..... 14 p2269 N91-22555 #
UCRL-JC-105386 ..... 09 p1343 N91-17378 #
UCRL-JC-105391 ..... 13 p2089 N91-21498 #
UCRL-JC-105398 ..... 24 p4023 N91-32481 #
UCRL-JC-105409 ..... 09 p1397 N91-17686 #
UCRL-JC-105417 ..... 13 p2049 N91-21273 #
UCRL-JC-105422 ..... 24 p4111 N91-32980 #
UCRL-JC-105424 ..... 13 p2091 N91-21509 #
UCRL-JC-105426 ..... 10 p1576 N91-18674 #
UCRL-JC-105437 ..... 18 p2986 N91-26485 #
UCRL-JC-105464 ..... 10 p1569 N91-18630 #
UCRL-JC-105473 ..... 24 p4112 N91-32985 #
UCRL-JC-105474 ..... 24 p3979 N91-32227 #
UCRL-JC-105475 ..... 20 p3353 N91-28571 #
UCRL-JC-105481 ..... 20 p3351 N91-28560 #
UCRL-JC-105487 ..... 21 p3481 N91-29306 #
UCRL-JC-105492 ..... 10 p1529 N91-18417 #
UCRL-JC-105515 ..... 14 p2310 N91-22763 #
UCRL-JC-105532 ..... 07 p1083 N91-15960 #
UCRL-JC-105533 ..... 10 p1617 N91-18915 #
UCRL-JC-105534 ..... 09 p1427 N91-17857 #
UCRL-JC-105535 ..... 09 p1393 N91-17666 #
UCRL-JC-105536 ..... 11 p1737 N91-19551 #
UCRL-JC-105541 ..... 13 p2091 N91-21511 #
UCRL-JC-105557 ..... 20 p3352 N91-28568 #
UCRL-JC-105558 ..... 21 p3525 N91-29578 #
UCRL-JC-105560 ..... 17 p2860 N91-25813 #
UCRL-JC-105562 ..... 10 p1556 N91-18557 #
UCRL-JC-105566 ..... 21 p3580 N91-29911 #
UCRL-JC-105569 ..... 11 p1712 N91-19427 #
UCRL-JC-105582 ..... 24 p4008 N91-32409 #
UCRL-JC-105585 ..... 20 p3339 N91-28489 #
UCRL-JC-105594 ..... 18 p3072 N91-26975 #
UCRL-JC-105604 ..... 21 p3525 N91-29583 #
UCRL-JC-105613 ..... 12 p1894 N91-20415 #
UCRL-JC-105616 ..... 13 p2144 N91-21808 #
UCRL-JC-105620 ..... 17 p2847 N91-25734 #
UCRL-JC-105621 ..... 09 p1343 N91-17375 #
UCRL-JC-105626 ..... 11 p1785 N91-19794 #
UCRL-JC-105642 ..... 15 p2532 N91-24027 #
UCRL-JC-105643 ..... 15 p2532 N91-24028 #
UCRL-JC-105644 ..... 20 p3334 N91-28467 #
UCRL-JC-105647 ..... 20 p3331 N91-28447 #
UCRL-JC-105654 ..... 07 p1054 N91-15789 #
UCRL-JC-105655 ..... 12 p1889 N91-20387 #
UCRL-JC-105658 ..... 07 p1008 N91-15536 #
UCRL-JC-105661 ..... 24 p4009 N91-32415 #
UCRL-JC-105691 ..... 11 p1777 N91-19745 #
UCRL-JC-105692 ..... 20 p3436 N91-29063 #
UCRL-JC-105703 ..... 17 p2864 N91-25839 #
UCRL-JC-105704 ..... 20 p3348 N91-28542 #
UCRL-JC-105731 ..... 10 p1528 N91-18416 #
UCRL-JC-105733 ..... 12 p1984 N91-20914 #
UCRL-JC-105736 ..... 20 p3350 N91-28551 #
UCRL-JC-105738 ..... 18 p2991 N91-26517 #
UCRL-JC-105739 ..... 24 p4024 N91-32487 #
UCRL-JC-105745 ..... 11 p1733 N91-19530 #
UCRL-JC-105779 ..... 11 p1796 N91-19857 #
UCRL-JC-105783 ..... 19 p3218 N91-27784 #
UCRL-JC-105792 ..... 10 p1575 N91-18671 #
UCRL-JC-105797 ..... 11 p1777 N91-19747 #
UCRL-JC-105806 ..... 20 p3418 N91-28954 #
UCRL-JC-105813 ..... 10 p1615 N91-18912 #
UCRL-JC-105815 ..... 24 p4008 N91-32413 #
UCRL-JC-105816 ..... 24 p4023 N91-32482 #
UCRL-JC-105818 ..... 24 p4006 N91-32402 #
UCRL-JC-105825 ..... 10 p1563 N91-18597 #
UCRL-JC-105830 ..... 12 p1984 N91-20917 #
UCRL-JC-105835 ..... 21 p3601 N91-30035 #
UCRL-JC-105836 ..... 21 p3600 N91-30034 #
UCRL-JC-105843 ..... 21 p3513 N91-29506 #
UCRL-JC-105846 ..... 24 p4023 N91-32483 #
UCRL-JC-105848 ..... 10 p1617 N91-18917 #
UCRL-JC-105865 ..... 15 p2524 N91-23986 #
UCRL-JC-105876 ..... 11 p1806 N91-19919 #
UCRL-JC-105883 ..... 24 p4102 N91-32919 #
UCRL-JC-105905 ..... 11 p1802 N91-19895 #
UCRL-JC-105910 ..... 17 p2867 N91-25861 #
UCRL-JC-105926 ..... 11 p1703 N91-19381 #
UCRL-JC-105957 ..... 11 p1803 N91-19900 #
UCRL-JC-105959 ..... 11 p1710 N91-19416 #
UCRL-JC-105970 ..... 11 p1818 N91-19985 #
UCRL-JC-105971 ..... 11 p1818 N91-19984 #
UCRL-JC-105984 ..... 13 p2071 N91-21407 #
UCRL-JC-105997 ..... 20 p3419 N91-28958 #
UCRL-JC-105998 ..... 20 p3351 N91-28561 #
UCRL-JC-105999 ..... 12 p2008 N91-21053 #
UCRL-JC-106047 ..... 23 p3818 N91-31298 #
UCRL-JC-106057 ..... 05 p0769 N91-14269 #
UCRL-JC-106065 ..... 17 p2780 N91-25385 #
UCRL-JC-106066 ..... 03 p0424 N91-12373 #
UCRL-JC-106080 ..... 09 p1407 N91-17744 #
UCRL-JC-106081 ..... 10 p1569 N91-18626 #
UCRL-JC-106083 ..... 06 p0843 N91-14659 #
UCRL-JC-106085 ..... 10 p1543 N91-18493 #
UCRL-JC-106088 ..... 05 p0709 N91-13956 #
UCRL-JC-106107 ..... 18 p3007 N91-26606 #
UCRL-JC-106108 ..... 10 p1555 N91-18552* #
UCRL-JC-106127 ..... 13 p2099 N91-21554 #
UCRL-JC-106130 ..... 21 p3531 N91-29620 #
UCRL-JC-106143 ..... 23 p3821 N91-31315 #
UCRL-JC-106151 ..... 12 p1992 N91-20965 #
UCRL-JC-106152 ..... 12 p1992 N91-20964 #
UCRL-JC-106181 ..... 20 p3388 N91-28774 #
UCRL-JC-106216 ..... 11 p1797 N91-19862 #
UCRL-JC-106260 ..... 23 p3896 N91-31748 #
UCRL-JC-106271 ..... 20 p3418 N91-28955 #

UCRL-JC-106272 ..... 11 p1802 N91-19898 #
UCRL-JC-106275 ..... 13 p2090 N91-21503 #
UCRL-JC-106277 ..... 12 p1984 N91-20915 #
UCRL-JC-106338 ..... 20 p3363 N91-28628 #
UCRL-JC-106341 ..... 20 p3318 N91-28365 #
UCRL-JC-106370 ..... 23 p3879 N91-31642 #
UCRL-JC-106375 ..... 21 p3483 N91-29322 #
UCRL-JC-106409 ..... 12 p1889 N91-20388 #
UCRL-JC-106422 ..... 13 p2117 N91-21656 #
UCRL-JC-106445 ..... 23 p3892 N91-31718 #
UCRL-JC-106451 ..... 19 p3235 N91-27885 #
UCRL-JC-106472 ..... 19 p3247 N91-27960 #
UCRL-JC-106473 ..... 19 p3171 N91-27529 #
UCRL-JC-106474 ..... 19 p3155 N91-27443 #
UCRL-JC-106475 ..... 19 p3128 N91-27284 #
UCRL-JC-106476 ..... 15 p2503 N91-23865 #
UCRL-JC-106498 ..... 21 p3570 N91-29849 #
UCRL-JC-106507 ..... 17 p2757 N91-25263 #
UCRL-JC-106508 ..... 20 p3396 N91-28824 #
UCRL-JC-106511 ..... 13 p2049 N91-21276 #
UCRL-JC-106518 ..... 13 p2049 N91-21274 #
UCRL-JC-106520 ..... 13 p2056 N91-21312 #
UCRL-JC-106546 ..... 21 p3600 N91-30033 #
UCRL-JC-106552 ..... 14 p2247 N91-22433 #
UCRL-JC-106553 ..... 20 p3396 N91-28825 #
UCRL-JC-106555 ..... 20 p3304 N91-28286 #
UCRL-JC-106567 ..... 20 p3416 N91-28944 #
UCRL-JC-106571 ..... 18 p2944 N91-26241 #
UCRL-JC-106588 ..... 23 p3888 N91-31698 #
UCRL-JC-106597 ..... 18 p3084 N91-27052 #
UCRL-JC-106647 ..... 15 p2483 N91-23744 #
UCRL-JC-106652 ..... 18 p3067 N91-26943 #
UCRL-JC-106677 ..... 18 p3009 N91-26612 #
UCRL-JC-106765 ..... 21 p3590 N91-29972 #
UCRL-JC-106766 ..... 20 p3315 N91-28351 #
UCRL-JC-106770 ..... 23 p3814 N91-31274 #
UCRL-JC-106784 ..... 17 p2760 N91-25281 #
UCRL-JC-106786 ..... 18 p2992 N91-26523 #
UCRL-JC-106792 ..... 24 p4035 N91-32544 #
UCRL-JC-106798 ..... 15 p2460 N91-23632 #
UCRL-JC-106807 ..... 20 p3302 N91-28275 #
UCRL-JC-106819 ..... 21 p3570 N91-29850 #
UCRL-JC-106828 ..... 18 p2934 N91-26187 #
UCRL-JC-106836 ..... 17 p2862 N91-25830 #
UCRL-JC-106849 ..... 24 p4026 N91-32501 #
UCRL-JC-106852 ..... 20 p3322 N91-28394 #
UCRL-JC-106853 ..... 24 p4027 N91-32502 #
UCRL-JC-106863 ..... 20 p3405 N91-28876 #
UCRL-JC-106880 ..... 17 p2916 N91-26102 #
UCRL-JC-106908 ..... 21 p3517 N91-29528 #
UCRL-JC-106926 ..... 18 p2993 N91-26526 #
UCRL-JC-106927 ..... 20 p3397 N91-28827 #
UCRL-JC-106950-REV-1 ..... 21 p3601 N91-30039 #
UCRL-JC-106962 ..... 17 p2781 N91-25389 #
UCRL-JC-107009 ..... 24 p4110 N91-32973 #
UCRL-JC-107011 ..... 17 p2778 N91-25373 #
UCRL-JC-107019 ..... 20 p3390 N91-28781 #
UCRL-JC-107067 ..... 21 p3573 N91-29869 #
UCRL-JC-107069 ..... 20 p3304 N91-28284 #
UCRL-JC-107081 ..... 20 p3311 N91-28326 #
UCRL-JC-107116 ..... 20 p3378 N91-28712 #
UCRL-JC-107118 ..... 20 p3405 N91-28877 #
UCRL-JC-107158 ..... 20 p3419 N91-28962 #
UCRL-JC-107194 ..... 21 p3588 N91-29958 #
UCRL-JC-107195 ..... 23 p3867 N91-31572 #
UCRL-JC-107201 ..... 20 p3375 N91-28700 #
UCRL-JC-107230 ..... 23 p3908 N91-31815 #
UCRL-JC-107276 ..... 20 p3327 N91-28422 #
UCRL-JC-107388 ..... 23 p3821 N91-31314 #
UCRL-JC-107409 ..... 21 p3517 N91-29530 #
UCRL-JC-107417 ..... 24 p4027 N91-32503 #
UCRL-JC-107423 ..... 24 p4096 N91-32886 #
UCRL-JC-107436 ..... 24 p3974 N91-32197 #
UCRL-JC-107453 ..... 21 p3562 N91-29798 #
UCRL-JC-107488 ..... 24 p4111 N91-32979 #
UCRL-JC-107505 ..... 21 p3578 N91-29899 #
UCRL-JC-107526 ..... 23 p3896 N91-31749 #
UCRL-JC-107536 ..... 21 p3537 N91-29654 #
UCRL-JC-107583 ..... 24 p4100 N91-32911 #
UCRL-JC-107611 ..... 21 p3578 N91-29903 #
UCRL-JC-107684 ..... 21 p3589 N91-29962 #
UCRL-JC-107735 ..... 21 p3589 N91-29967 #
UCRL-JC-107736 ..... 23 p3810 N91-31252 #
UCRL-JC-107737 ..... 23 p3892 N91-31719 #
UCRL-JC-107755 ..... 23 p3899 N91-31763 #
UCRL-JC-107770 ..... 24 p4110 N91-32970 #
UCRL-JC-107782 ..... 24 p3964 N91-32151 #
UCRL-JC-107888 ..... 24 p4102 N91-32918 #
UCRL-JC-107889 ..... 24 p4101 N91-32916 #
UCRL-JC-107890 ..... 21 p3510 N91-29486 #
UCRL-JC-107980 ..... 24 p4124 N91-33051 #
UCRL-JC-107990 ..... 24 p4021 N91-32473 #
UCRL-JC-108014 ..... 24 p4043 N91-32589 #
UCRL-JC-108032 ..... 24 p4019 N91-32467 #
UCRL-JC-108033 ..... 24 p4017 N91-32457 #
UCRL-JC-108038 ..... 24 p4042 N91-32588 #
UCRL-JC-108076 ..... 24 p4009 N91-32417 #
UCRL-JC-108077 ..... 24 p4101 N91-32917 #

UCRL-LR-103225 ..... 17 p2864 N91-25837 #
UCRL-LR-104546 ..... 20 p3420 N91-28966 #
UCRL-LR-105088 ..... 17 p2822 N91-25595 #
UCRL-LR-105090 ..... 06 p0825 N91-14560 #
UCRL-LR-105145 ..... 11 p1782 N91-19775 #
UCRL-LR-105358 ..... 11 p1738 N91-19558 #
UCRL-LR-105821-91-1 ..... 20 p3419 N91-28960 #
UCRL-LR-105821-91-2 ..... 24 p4107 N91-32951 #
UCRL-LR-106135 ..... 24 p4124 N91-33053 #
UCRL-LR-106412 ..... 11 p1777 N91-19748 #
UCRL-LR-106630 ..... 20 p3342 N91-28506 #
UCRL-LR-106884 ..... 20 p3358 N91-28602 #
UCRL-LR-106975 ..... 20 p3388 N91-28772 #
UCRL-LR-107023 ..... 18 p3082 N91-27045 #

UCRL-MA-104860 ..... 05 p0701 N91-13908 #
UCRL-MA-104861 ..... 05 p0647 N91-13593 #
UCRL-MA-105268 ..... 14 p2279 N91-22602 #
UCRL-MA-105413 ..... 21 p3534 N91-29634 #
UCRL-MA-105580 ..... 11 p1783 N91-19783 #
UCRL-MA-105607 ..... 13 p2114 N91-21638 #
UCRL-MA-107254 ..... 23 p3884 N91-31675 #

UCRL-21221 ..... 08 p1174 N91-16462 #
UCRL-21290 ..... 20 p3371 N91-28672 #
UCRL-51444-88/89 ..... 05 p0680 N91-13780 #
UCRL-52000-90-3 ..... 08 p1269 N91-16985 #
UCRL-52000-90-7-8 ..... 04 p0611 N91-13397 #
UCRL-52000-91-2/3 ..... 23 p3942 N91-32031 #
UCRL-52000-91-4 ..... 24 p4040 N91-32572 #
UCRL-53916 ..... 11 p1776 N91-19740 #
UCRL-100531 ..... 08 p1229 N91-16775 #
UCRL-100841 ..... 08 p1175 N91-16469 #
UCRL-100847-REV-1 ..... 10 p1605 N91-18855 #
UCRL-101486 ..... 06 p0873 N91-14828 #
UCRL-101659 ..... 08 p1131 N91-16224 #
UCRL-101660 ..... 08 p1148 N91-16324 #
UCRL-101665 ..... 08 p1243 N91-16850 #
UCRL-101735 ..... 08 p1173 N91-16459 #
UCRL-101766 ..... 04 p0506 N91-12809 #
UCRL-101768 ..... 01 p0047 N91-10278 #
UCRL-101837-REV-1 ..... 09 p1357 N91-17455 #
UCRL-101866 ..... 08 p1108 N91-16087 #
UCRL-101932-REV-1 ..... 02 p0184 N91-11032 #
UCRL-101945-REV-2 ..... 01 p0124 N91-10732 #
UCRL-101997 ..... 08 p1173 N91-16457 #
UCRL-101998 ..... 08 p1173 N91-16458 #
UCRL-102086 ..... 09 p1321 N91-17254 #
UCRL-102260 ..... 24 p4071 N91-32743 #
UCRL-102263-REV-2 ..... 02 p0254 N91-11414 #
UCRL-102340 ..... 04 p0505 N91-12804 #
UCRL-102393 ..... 08 p1121 N91-16158 #
UCRL-102395 ..... 08 p1121 N91-16162 #
UCRL-102438 ..... 08 p1206 N91-16633 #
UCRL-102468 ..... 01 p0015 N91-10096 #
UCRL-102469 ..... 06 p0858 N91-14740 #
UCRL-102484 ..... 08 p1228 N91-16769 #
UCRL-102494 ..... 09 p1305 N91-17163 #
UCRL-102495 ..... 09 p1305 N91-17162 #
UCRL-102497-1 ..... 09 p1305 N91-17161 #
UCRL-102524 ..... 21 p3580 N91-29914
UCRL-102563 ..... 21 p3590 N91-29969 #
UCRL-102576 ..... 04 p0511 N91-12841 #
UCRL-102581 ..... 10 p1505 N91-18286 #
UCRL-102583 ..... 01 p0121 N91-10718 #
UCRL-102584 ..... 08 p1107 N91-16080 #
UCRL-102625 ..... 01 p0037 N91-10219 #
UCRL-102642 ..... 09 p1395 N91-17673 #
UCRL-102697 ..... 02 p0220 N91-11230 #
UCRL-102737-REV-1 ..... 08 p1197 N91-16577 #
UCRL-102746 ..... 08 p1153 N91-16349 #
UCRL-102758 ..... 08 p1232 N91-16793 #
UCRL-102778 ..... 08 p1108 N91-16082 #
UCRL-102807 ..... 01 p0121 N91-10719 #
UCRL-102844 ..... 06 p0821 N91-14535 #
UCRL-102939 ..... 08 p1228 N91-16771 #
UCRL-102943 ..... 10 p1525 N91-18394 #
UCRL-102983 ..... 08 p1108 N91-16084 #
UCRL-102985 ..... 08 p1189 N91-16538 #
UCRL-103008 ..... 06 p0807 N91-14455 #

UCSD-90-1041 ..... 05 p0704 N91-13929* #

UDC-621.38(043.3) ..... 03 p0360 N91-12014 #
UDC-621.548 ..... 03 p0386 N91-12152 #
UDC-681.723(043.3) ..... 03 p0418 N91-12340 #

UDR-TR-87-124 ..... 03 p0344 N91-11929 #
UDR-TR-89-79 ..... 12 p1865 N91-20247 #
UDR-TR-89-81 ..... 11 p1718 N91-19460 #
UDR-TR-90-02 ..... 08 p1115 N91-16124 #
UDR-TR-90-15 ..... 14 p2305 N91-22734 #
UDR-TR-90-23 ..... 13 p2022 N91-21122 #

UDR-TR-90-24 ..... 03 p0335 N91-11881 #
UDR-TR-90-31 ..... 18 p2963 N91-26355 #
UDR-TR-90-63-VOL-1 ..... 19 p3245 N91-27947 #
UDR-TR-90-96 ..... 14 p2248 N91-22438 #
UDR-TR-90-102 ..... 15 p2403 N91-23307 #
UDR-TR-90-109 ..... 16 p2601 N91-24414 #
UDR-TR-90-128 ..... 19 p3180 N91-27585 #

UFIFT-HEP-90-27 ..... 09 p1427 N91-17856 #
UFIFT-HEP-90-28 ..... 09 p1364 N91-17495 #
UFIFT-HEP-90-29 ..... 09 p1364 N91-17496 #

UFIFT-90-24 ..... 07 p1083 N91-15956 #

UHRXS-90-2 ..... 14 p2235 N91-22365* #

UI-91-3 ..... 14 p2343 N91-22954* #

UILU-ENG-90-0507 ..... 09 p1392 N91-17662 #
UILU-ENG-90-1765 ..... 09 p1389 N91-17641 #
UILU-ENG-90-2015 ..... 17 p2786 N91-25418 #
UILU-ENG-90-2223 ..... 03 p0359 N91-12008 #
UILU-ENG-90-2225 ..... 03 p0410 N91-12290 #
UILU-ENG-90-2227 ..... 04 p0572 N91-13176 #
UILU-ENG-90-2241 ..... 08 p1154 N91-16356 #
UILU-ENG-90-2242 ..... 08 p1135 N91-16245 #
UILU-ENG-90-2249 ..... 09 p1389 N91-17643 #
UILU-ENG-90-2250 ..... 08 p1204 N91-16623 #
UILU-ENG-90-2252 ..... 22 p3666 N91-30414 #
UILU-ENG-90-2254 ..... 22 p3667 N91-30415 #
UILU-ENG-90-2258 ..... 13 p2142 N91-21793 #
UILU-ENG-90-5017 ..... 12 p1872 N91-20288 #
UILU-ENG-91-1231 ..... 21 p3561 N91-29790 #
UILU-ENG-91-1731 ..... 19 p3175 N91-27557 #
UILU-ENG-91-2213 ..... 16 p2635 N91-24585 #
UILU-ENG-91-2226 ..... 20 p3384 N91-28747* #
UILU-ENG-91-2227 ..... 16 p2672 N91-24789* #
UILU-ENG-91-2229 ..... 15 p2482 N91-23739* #
UILU-ENG-91-2230 ..... 15 p2482 N91-23738* #
UILU-ENG-91-2232 ..... 21 p3557 N91-29769* #
UILU-ENG-870501 ..... 06 p0827 N91-14569 #

UIUC-NCCMR-89-0013 ..... 18 p2960 N91-26338 #
UIUC-NCCMR-90-06 ..... 18 p2940 N91-26214 #
UIUC-NCCMR-90-07 ..... 18 p2939 N91-26212 #
UIUC-NCCMR-90-09 ..... 18 p2940 N91-26217 #
UIUC-NCCMR-90-10 ..... 18 p2940 N91-26218 #
UIUC-NCCMR-91-01 ..... 18 p2940 N91-26216 #
UIUC-NCCMR-91-02 ..... 18 p2940 N91-26215 #

UIUCDCS-R-90-1626 ..... 09 p1389 N91-17641 #
UIUCDCS-R-91-1685 ..... 19 p3175 N91-27557 #

UJV-8597-M ..... 09 p1350 N91-17414 #

UK/DC/TR-29 ..... 03 p0347 N91-11940 #
UK/DC/TR-34 ..... 19 p3123 N91-27254 #

UKIRT-19 ..... 03 p0435 N91-12435 #
UKIRT-20 ..... 03 p0435 N91-12436 #

ULRF-457/CAR ..... 18 p3012 N91-26633 #
ULRF-458/CAR ..... 18 p3011 N91-26627 #
ULRF-459/CAR ..... 19 p3199 N91-27685 #
ULRF-460/CAR ..... 19 p3200 N91-27690 #
ULRF-462/CAR ..... 18 p2975 N91-26424 #
ULRF-463/CAR ..... 12 p1924 N91-20584 #
ULRF-466/CAR ..... 14 p2257 N91-22482 #
ULRF-469/CAR ..... 19 p3149 N91-27407 #

ULT/TR-90-7197 ..... 08 p1111 N91-16103 #

UM-MEAM-91-08 ..... 22 p3655 N91-30345* #
UM-MEAM-91-12 ..... 22 p3656 N91-30351* #

UM-P-90/56 ..... 16 p2696 N91-24929 #
UM-P-90/59 ..... 16 p2696 N91-24927 #
UM-P-90/60 ..... 13 p2150 N91-21846 #
UM-P-90/61 ..... 16 p2696 N91-24932 #
UM-P-90/64 ..... 16 p2607 N91-24449 #
UM-P-90/66 ..... 16 p2684 N91-24863 #
UM-P-90/74 ..... 16 p2693 N91-24907 #
UM-P-90/77 ..... 16 p2684 N91-24864 #
UM-P-90/89 ..... 16 p2696 N91-24931 #

UM-022486-1-F ..... 06 p0839 N91-14638* #
UM-025921-20-T ..... 12 p1884 N91-20359* #
UM-025921-21-T ..... 16 p2617 N91-24485* #

UM/EECS-025211-T-1 ..... 03 p0409 N91-12286 #

UMC-IE-6-0391 ..... 13 p2131 N91-21733* #

UMIACS-TR-88-92 ..... 01 p0105 N91-10608* #
UMIACS-TR-90-6 ..... 06 p0866 N91-14786 #
UMIACS-TR-90-21 ..... 07 p1055 N91-15795 #

UMIACS-TR-90-35 ..... 03 p0428 N91-12396 #
UMIACS-TR-90-37 ..... 06 p0863 N91-14771 #
UMIACS-TR-90-39 ..... 15 p2486 N91-23765 #
UMIACS-TR-90-40 ..... 07 p1052 N91-15779 #
UMIACS-TR-90-48 ..... 15 p2524 N91-23992 #
UMIACS-TR-90-51 ..... 06 p0861 N91-14757 #
UMIACS-TR-90-117 ..... 15 p2525 N91-23993 #
UMIACS-TR-90-139 ..... 14 p2305 N91-22735 #
UMIACS-TR-91-23 ..... 14 p2303 N91-22721* #

UMICH-025921-13-T ..... 06 p0810 N91-14475* #
UMICH-025921-15-T ..... 01 p0107 N91-10623* #
UMICH-025921-16-T ..... 05 p0699 N91-13893* #
UMICH-025921-17-T ..... 08 p1129 N91-16211* #
UMICH-025921-18-T ..... 09 p1324 N91-17268* #
UMICH-025921-19-T ..... 11 p1688 N91-19305* #
UMICH-026247-3-T ..... 09 p1322 N91-17260 #

UMN-TH-908/90 ..... 14 p2347 N91-22983 #

UMR-FDB-18 ..... 19 p3143 N91-27369 #

UMSI-91/66 ..... 24 p4013 N91-32431 #

UMTA-PA-06-0111-90-1 ..... 12 p2000 N91-21009 #

UMTRI-91-13 ..... 21 p3549 N91-29722 #

UNIDO-ID/WG.502/2/REV.1(SPEC) ..... 17 p2884 N91-25944 #

UNIDO-IO.51(SPEC) ..... 22 p3699 N91-30596 #

UPITT/LRDC/ONR/KUL-90-01 ..... 03 p0413 N91-12313 #
UPITT/LRDC/ONR/KUL-90-04 ..... 05 p0709 N91-13951 #

URI/GSO-TR-91-2 ..... 18 p3018 N91-26662 #

US-PATENT-APPL-SN-004304 ..... 06 p0784 N91-14345*
US-PATENT-APPL-SN-005971 ..... 12 p1861 N91-20225
US-PATENT-APPL-SN-022125 ..... 16 p2566 N91-24228
US-PATENT-APPL-SN-035401 ..... 06 p0856 N91-14723*
US-PATENT-APPL-SN-035401 ..... 06 p0856 N91-14724*
US-PATENT-APPL-SN-035401 ..... 18 p3034 N91-26747*
US-PATENT-APPL-SN-041389 ..... 13 p2089 N91-21494*
US-PATENT-APPL-SN-056014 ..... 18 p2927 N91-26147 #
US-PATENT-APPL-SN-059796 ..... 18 p2979 N91-26449
US-PATENT-APPL-SN-078284 ..... 12 p1890 N91-20391
US-PATENT-APPL-SN-082766 ..... 23 p3787 N91-31120*
US-PATENT-APPL-SN-085833 ..... 06 p0863 N91-14772*
US-PATENT-APPL-SN-087358 ..... 06 p0852 N91-14703*
US-PATENT-APPL-SN-087375 ..... 06 p0801 N91-14419*
US-PATENT-APPL-SN-087376 ..... 06 p0813 N91-14489*
US-PATENT-APPL-SN-105846 ..... 17 p2747 N91-25200*
US-PATENT-APPL-SN-135969 ..... 11 p1678 N91-19249
US-PATENT-APPL-SN-137599 ..... 16 p2620 N91-24506
US-PATENT-APPL-SN-140185 ..... 13 p2160 N91-21911*
US-PATENT-APPL-SN-140185 ..... 23 p3928 N91-31950*
US-PATENT-APPL-SN-143492 ..... 11 p1706 N91-19396
US-PATENT-APPL-SN-150169 ..... 23 p3811 N91-31258*
US-PATENT-APPL-SN-159071 ..... 09 p1301 N91-17141*
US-PATENT-APPL-SN-161682 ..... 06 p0834 N91-14613*
US-PATENT-APPL-SN-168065 ..... 06 p0831 N91-14590*
US-PATENT-APPL-SN-172105 ..... 23 p3861 N91-31528*
US-PATENT-APPL-SN-172105 ..... 23 p3918 N91-31885*
US-PATENT-APPL-SN-176587 ..... 24 p4028 N91-32508*
US-PATENT-APPL-SN-178258 ..... 18 p2969 N91-26392
US-PATENT-APPL-SN-180751 ..... 11 p1700 N91-19364
US-PATENT-APPL-SN-182266 ..... 06 p0791 N91-14371*
US-PATENT-APPL-SN-183475 ..... 06 p0853 N91-14709*
US-PATENT-APPL-SN-192562 ..... 23 p3787 N91-31120*
US-PATENT-APPL-SN-193612 ..... 09 p1345 N91-17388*
US-PATENT-APPL-SN-195222 ..... 07 p0988 N91-15423*
US-PATENT-APPL-SN-195563 ..... 06 p0787 N91-14357*
US-PATENT-APPL-SN-203178 ..... 23 p3871 N91-31596*
US-PATENT-APPL-SN-203374 ..... 17 p2767 N91-25316*
US-PATENT-APPL-SN-209143 ..... 06 p0811 N91-14478
US-PATENT-APPL-SN-213558 ..... 22 p3713 N91-30667*
US-PATENT-APPL-SN-213559 ..... 13 p2126 N91-21700*
US-PATENT-APPL-SN-215136 ..... 18 p2979 N91-26450
US-PATENT-APPL-SN-217725 ..... 07 p1004 N91-15511*
US-PATENT-APPL-SN-218792 ..... 23 p3819 N91-31307*
US-PATENT-APPL-SN-219295 ..... 06 p0859 N91-14741*
US-PATENT-APPL-SN-221386 ..... 06 p0801 N91-14418*
US-PATENT-APPL-SN-223122 ..... 06 p0835 N91-14614*
US-PATENT-APPL-SN-225427 ..... 07 p1010 N91-15544*
US-PATENT-APPL-SN-229517 ..... 11 p1674 N91-19225
US-PATENT-APPL-SN-231026 ..... 07 p0984 N91-15402*
US-PATENT-APPL-SN-235150 ..... 07 p1007 N91-15528*
US-PATENT-APPL-SN-237035 ..... 07 p1004 N91-15512*
US-PATENT-APPL-SN-239158 ..... 06 p0817 N91-14512
US-PATENT-APPL-SN-239498 ..... 06 p0872 N91-14820
US-PATENT-APPL-SN-241873 ..... 11 p1696 N91-19341
US-PATENT-APPL-SN-242253 ..... 07 p0938 N91-15142*
US-PATENT-APPL-SN-242254 ..... 23 p3861 N91-31530*
US-PATENT-APPL-SN-242678 ..... 16 p2690 N91-24892
US-PATENT-APPL-SN-243685 ..... 06 p0784 N91-14345*

US-PATENT-APPL-SN-244377 ..... 07 p0988 N91-15424*
US-PATENT-APPL-SN-246032 ..... 06 p0818 N91-14523*
US-PATENT-APPL-SN-248009 ..... 19 p3117 N91-27220*
US-PATENT-APPL-SN-250468 ..... 19 p3105 N91-27156*
US-PATENT-APPL-SN-250662 ..... 06 p0835 N91-14615*
US-PATENT-APPL-SN-251411 ..... 06 p0787 N91-14356*
US-PATENT-APPL-SN-251499 ..... 07 p0969 N91-15320*
US-PATENT-APPL-SN-252486 ..... 05 p0698 N91-13887
US-PATENT-APPL-SN-257433 ..... 12 p1905 N91-20480 #
US-PATENT-APPL-SN-260762 ..... 06 p0871 N91-14813*
US-PATENT-APPL-SN-262268 ..... 17 p2747 N91-25200*
US-PATENT-APPL-SN-262765 ..... 06 p0820 N91-14528
US-PATENT-APPL-SN-263455 ..... 11 p1780 N91-19764 #
US-PATENT-APPL-SN-264326 ..... 23 p3918 N91-31885*
US-PATENT-APPL-SN-264993 ..... 06 p0784 N91-14345*
US-PATENT-APPL-SN-266045 ..... 07 p0984 N91-15403*
US-PATENT-APPL-SN-271265 ..... 06 p0870 N91-14807*
US-PATENT-APPL-SN-274587 ..... 11 p1720 N91-19468
US-PATENT-APPL-SN-276992 ..... 16 p2610 N91-24454
US-PATENT-APPL-SN-278137 ..... 13 p2126 N91-21701*
US-PATENT-APPL-SN-283092 ..... 13 p2089 N91-21496*
US-PATENT-APPL-SN-283106 ..... 06 p0863 N91-14769*
US-PATENT-APPL-SN-283431 ..... 09 p1340 N91-17360* #
US-PATENT-APPL-SN-283673 ..... 06 p0823 N91-14551*
US-PATENT-APPL-SN-287362 ..... 07 p1009 N91-15542
US-PATENT-APPL-SN-288184 ..... 07 p0990 N91-15432
US-PATENT-APPL-SN-292049 ..... 09 p1301 N91-17141*
US-PATENT-APPL-SN-292049 ..... 17 p2744 N91-25185*
US-PATENT-APPL-SN-292124 ..... 17 p2839 N91-25693* #
US-PATENT-APPL-SN-292130 ..... 17 p2767 N91-25317*
US-PATENT-APPL-SN-292131 ..... 06 p0791 N91-14374*
US-PATENT-APPL-SN-294622 ..... 06 p0820 N91-14530
US-PATENT-APPL-SN-298150 ..... 13 p2048 N91-21270*
US-PATENT-APPL-SN-304154 ..... 06 p0833 N91-14607*
US-PATENT-APPL-SN-304155 ..... 06 p0874 N91-14835*
US-PATENT-APPL-SN-305675 ..... 23 p3861 N91-31529*
US-PATENT-APPL-SN-310992 ..... 18 p3062 N91-26918*
US-PATENT-APPL-SN-311024 ..... 23 p3907 N91-31810*
US-PATENT-APPL-SN-311551 ..... 06 p0801 N91-14418*
US-PATENT-APPL-SN-315871 ..... 01 p0104 N91-10602 #
US-PATENT-APPL-SN-317389 ..... 01 p0111 N91-10648 #
US-PATENT-APPL-SN-317776 ..... 05 p0693 N91-13860* #
US-PATENT-APPL-SN-318217 ..... 05 p0664 N91-13694*
US-PATENT-APPL-SN-318989 ..... 07 p0984 N91-15399
US-PATENT-APPL-SN-326756 ..... 06 p0870 N91-14808*
US-PATENT-APPL-SN-326757 ..... 09 p1302 N91-17145*
US-PATENT-APPL-SN-326776 ..... 07 p0998 N91-15477
US-PATENT-APPL-SN-326820 ..... 09 p1338 N91-17350*
US-PATENT-APPL-SN-326863 ..... 09 p1345 N91-17387*
US-PATENT-APPL-SN-328392 ..... 06 p0801 N91-14419*
US-PATENT-APPL-SN-331551 ..... 15 p2480 N91-23724* #
US-PATENT-APPL-SN-332796 ..... 16 p2632 N91-24573 #
US-PATENT-APPL-SN-336377 ..... 01 p0015 N91-10095 #
US-PATENT-APPL-SN-338379 ..... 13 p2160 N91-21911*
US-PATENT-APPL-SN-341019 ..... 01 p0015 N91-10094 #
US-PATENT-APPL-SN-341598 ..... 11 p1646 N91-19076
US-PATENT-APPL-SN-343652 ..... 06 p0821 N91-14537*
US-PATENT-APPL-SN-343656 ..... 06 p0882 N91-14872*
US-PATENT-APPL-SN-344872 ..... 19 p3113 N91-27201*
US-PATENT-APPL-SN-347558 ..... 23 p3819 N91-31307*
US-PATENT-APPL-SN-347591 ..... 23 p3811 N91-31258*
US-PATENT-APPL-SN-348223 ..... 23 p3871 N91-31596*
US-PATENT-APPL-SN-348740 ..... 11 p1706 N91-19397
US-PATENT-APPL-SN-350172 ..... 11 p1798 N91-19870
US-PATENT-APPL-SN-357246 ..... 01 p0104 N91-10603 #
US-PATENT-APPL-SN-357757 ..... 13 p2032 N91-21176*
US-PATENT-APPL-SN-357758 ..... 19 p3256 N91-28014*
US-PATENT-APPL-SN-357938 ..... 06 p0844 N91-14662*
US-PATENT-APPL-SN-358027 ..... 06 p0830 N91-14587*
US-PATENT-APPL-SN-358029 ..... 24 p4028 N91-32508*
US-PATENT-APPL-SN-359786 ..... 19 p3244 N91-27943
US-PATENT-APPL-SN-359801 ..... 19 p3247 N91-27957*
US-PATENT-APPL-SN-361078 ..... 22 p3755 N91-30930
US-PATENT-APPL-SN-361479 ..... 13 p2032 N91-21175*
US-PATENT-APPL-SN-363807 ..... 19 p3169 N91-27522*
US-PATENT-APPL-SN-363815 ..... 13 p2076 N91-21434*
US-PATENT-APPL-SN-364048 ..... 07 p0990 N91-15431
US-PATENT-APPL-SN-364743 ..... 06 p0833 N91-14608*
US-PATENT-APPL-SN-364774 ..... 06 p0835 N91-14616*
US-PATENT-APPL-SN-366205 ..... 06 p0831 N91-14590*
US-PATENT-APPL-SN-369403 ..... 06 p0830 N91-14588*
US-PATENT-APPL-SN-369490 ..... 06 p0799 N91-14412*
US-PATENT-APPL-SN-370234 ..... 21 p3496 N91-29399
US-PATENT-APPL-SN-373416 ..... 02 p0190 N91-11064 #
US-PATENT-APPL-SN-373955 ..... 06 p0820 N91-14529
US-PATENT-APPL-SN-374127 ..... 11 p1645 N91-19072
US-PATENT-APPL-SN-374710 ..... 12 p1864 N91-20242
US-PATENT-APPL-SN-376071 ..... 01 p0064 N91-10383 #
US-PATENT-APPL-SN-376278 ..... 11 p1816 N91-19972
US-PATENT-APPL-SN-376488 ..... 17 p2870 N91-25875*
US-PATENT-APPL-SN-378548 ..... 23 p3906 N91-31803* #
US-PATENT-APPL-SN-380950 ..... 12 p1906 N91-20488
US-PATENT-APPL-SN-381239 ..... 13 p2029 N91-21157*
US-PATENT-APPL-SN-381240 ..... 17 p2763 N91-25296*
US-PATENT-APPL-SN-382885 ..... 19 p3109 N91-27175*
US-PATENT-APPL-SN-384604 ..... 01 p0037 N91-10220 #
US-PATENT-APPL-SN-385032 ..... 19 p3170 N91-27528
US-PATENT-APPL-SN-386172 ..... 06 p0803 N91-14430*
US-PATENT-APPL-SN-386375 ..... 19 p3143 N91-27373
US-PATENT-APPL-SN-388264 ..... 06 p0835 N91-14614*
US-PATENT-APPL-SN-389220 ..... 22 p3653 N91-30332
US-PATENT-APPL-SN-389233 ..... 11 p1806 N91-19918
US-PATENT-APPL-SN-391692 ..... 06 p0801 N91-14419*
US-PATENT-APPL-SN-391896 ..... 24 p4035 N91-32546*
US-PATENT-APPL-SN-391911 ..... 06 p0856 N91-14724*
US-PATENT-APPL-SN-392165 ..... 19 p3239 N91-27913*
US-PATENT-APPL-SN-392174 ..... 18 p3034 N91-26747*
US-PATENT-APPL-SN-392228 ..... 06 p0856 N91-14723*
US-PATENT-APPL-SN-392235 ..... 13 p2096 N91-21542*
US-PATENT-APPL-SN-392239 ..... 06 p0824 N91-14552*
US-PATENT-APPL-SN-394343 ..... 06 p0853 N91-14709*
US-PATENT-APPL-SN-394388 ..... 22 p3662 N91-30385
US-PATENT-APPL-SN-396262 ..... 06 p0816 N91-14508*
US-PATENT-APPL-SN-396726 ..... 07 p1004 N91-15511*
US-PATENT-APPL-SN-396726 ..... 13 p2089 N91-21495*
US-PATENT-APPL-SN-397074 ..... 06 p0872 N91-14824
US-PATENT-APPL-SN-397226 ..... 09 p1332 N91-17316 #
US-PATENT-APPL-SN-401197 ..... 12 p1868 N91-20262
US-PATENT-APPL-SN-402174 ..... 22 p3754 N91-30929
US-PATENT-APPL-SN-404243 ..... 07 p1007 N91-15526
US-PATENT-APPL-SN-404288 ..... 06 p0821 N91-14536*
US-PATENT-APPL-SN-404289 ..... 06 p0808 N91-14462*
US-PATENT-APPL-SN-404290 ..... 06 p0826 N91-14563*
US-PATENT-APPL-SN-404291 ..... 13 p2153 N91-21871*
US-PATENT-APPL-SN-404292 ..... 06 p0834 N91-14609*
US-PATENT-APPL-SN-405154 ..... 13 p2096 N91-21539*
US-PATENT-APPL-SN-405168 ..... 13 p2146 N91-21824*
US-PATENT-APPL-SN-405169 ..... 06 p0821 N91-14538*
US-PATENT-APPL-SN-406410 ..... 12 p1906 N91-20487
US-PATENT-APPL-SN-408337 ..... 19 p3171 N91-27531
US-PATENT-APPL-SN-410387 ..... 09 p1327 N91-17287 #
US-PATENT-APPL-SN-410576 ..... 23 p3807 N91-31236*
US-PATENT-APPL-SN-414499 ..... 07 p1007 N91-15527
US-PATENT-APPL-SN-414815 ..... 18 p2977 N91-26438*
US-PATENT-APPL-SN-414816 ..... 06 p0835 N91-14617*
US-PATENT-APPL-SN-416201 ..... 19 p3146 N91-27388
US-PATENT-APPL-SN-417616 ..... 11 p1693 N91-19328 #
US-PATENT-APPL-SN-418320 ..... 23 p3786 N91-31113*
US-PATENT-APPL-SN-418372 ..... 05 p0642 N91-13562* #
US-PATENT-APPL-SN-418373 ..... 19 p3161 N91-27479*
US-PATENT-APPL-SN-418374 ..... 06 p0831 N91-14591*
US-PATENT-APPL-SN-418611 ..... 19 p3143 N91-27372*
US-PATENT-APPL-SN-418612 ..... 06 p0823 N91-14550*
US-PATENT-APPL-SN-419554 ..... 17 p2744 N91-25185*
US-PATENT-APPL-SN-422315 ..... 16 p2617 N91-24490
US-PATENT-APPL-SN-422723 ..... 07 p1038 N91-15694 #
US-PATENT-APPL-SN-422726 ..... 19 p3239 N91-27914*
US-PATENT-APPL-SN-426345 ..... 24 p3973 N91-32196*
US-PATENT-APPL-SN-429574 ..... 20 p3327 N91-28425* #
US-PATENT-APPL-SN-429734 ..... 06 p0779 N91-14321*
US-PATENT-APPL-SN-431538 ..... 19 p3113 N91-27200*
US-PATENT-APPL-SN-433863 ..... 09 p1302 N91-17145*
US-PATENT-APPL-SN-440950 ..... 19 p3155 N91-27442
US-PATENT-APPL-SN-441672 ..... 19 p3176 N91-27560*
US-PATENT-APPL-SN-441673 ..... 13 p2096 N91-21541*
US-PATENT-APPL-SN-443297 ..... 06 p0821 N91-14539*
US-PATENT-APPL-SN-443406 ..... 13 p2048 N91-21270*
US-PATENT-APPL-SN-443539 ..... 17 p2767 N91-25318*
US-PATENT-APPL-SN-446262 ..... 16 p2558 N91-24192
US-PATENT-APPL-SN-450111 ..... 09 p1308 N91-17180 #
US-PATENT-APPL-SN-455031 ..... 12 p1905 N91-20479
US-PATENT-APPL-SN-458065 ..... 05 p0671 N91-13731* #
US-PATENT-APPL-SN-458258 ..... 13 p2088 N91-21493*
US-PATENT-APPL-SN-458274 ..... 13 p2096 N91-21540*
US-PATENT-APPL-SN-458476 ..... 05 p0629 N91-13483* #
US-PATENT-APPL-SN-459029 ..... 13 p2097 N91-21544*
US-PATENT-APPL-SN-459211 ..... 07 p1006 N91-15524 #
US-PATENT-APPL-SN-460436 ..... 09 p1398 N91-17696 #
US-PATENT-APPL-SN-460436 ..... 16 p2690 N91-24893
US-PATENT-APPL-SN-461566 ..... 22 p3668 N91-30421
US-PATENT-APPL-SN-463720 ..... 24 p4090 N91-32852*
US-PATENT-APPL-SN-464100 ..... 18 p3063 N91-26925
US-PATENT-APPL-SN-470663 ..... 13 p2097 N91-21543*
US-PATENT-APPL-SN-470665 ..... 06 p0840 N91-14642*
US-PATENT-APPL-SN-471764 ..... 03 p0368 N91-12060 #
US-PATENT-APPL-SN-472008 ..... 16 p2695 N91-24922
US-PATENT-APPL-SN-472936 ..... 07 p0997 N91-15474 #
US-PATENT-APPL-SN-473065 ..... 13 p2082 N91-21473*
US-PATENT-APPL-SN-473242 ..... 17 p2779 N91-25380*
US-PATENT-APPL-SN-480985 ..... 13 p2040 N91-21222*
US-PATENT-APPL-SN-481013 ..... 05 p0698 N91-13888* #
US-PATENT-APPL-SN-485317 ..... 09 p1309 N91-17181 #
US-PATENT-APPL-SN-486323 ..... 07 p1036 N91-15684 #
US-PATENT-APPL-SN-486455 ..... 13 p2089 N91-21495*
US-PATENT-APPL-SN-486458 ..... 23 p3881 N91-31655*
US-PATENT-APPL-SN-486622 ..... 19 p3245 N91-27944
US-PATENT-APPL-SN-486638 ..... 07 p1006 N91-15525 #
US-PATENT-APPL-SN-486668 ..... 17 p2747 N91-25199*
US-PATENT-APPL-SN-489138 ..... 07 p0997 N91-15475 #
US-PATENT-APPL-SN-489313 ..... 11 p1806 N91-19917 #
US-PATENT-APPL-SN-489997 ..... 05 p0664 N91-13691* #
US-PATENT-APPL-SN-493190 ..... 13 p2111 N91-21621*

US-PATENT-APPL-SN-493529 ..... 23 p3897 N91-31755*
US-PATENT-APPL-SN-495969 ..... 19 p3185 N91-27614*
US-PATENT-APPL-SN-500337 ..... 22 p3668 N91-30423
US-PATENT-APPL-SN-501893 ..... 05 p0660 N91-13668* #
US-PATENT-APPL-SN-501910 ..... 06 p0835 N91-14614*
US-PATENT-APPL-SN-502969 ..... 07 p1009 N91-15541 #
US-PATENT-APPL-SN-503408 ..... 05 p0716 N91-13999* #
US-PATENT-APPL-SN-503409 ..... 19 p3161 N91-27478*
US-PATENT-APPL-SN-503410 ..... 06 p0834 N91-14610*
US-PATENT-APPL-SN-503418 ..... 19 p3176 N91-27561*
US-PATENT-APPL-SN-503486 ..... 05 p0684 N91-13802* #
US-PATENT-APPL-SN-505617 ..... 11 p1773 N91-19717
US-PATENT-APPL-SN-506136 ..... 05 p0699 N91-13890* #
US-PATENT-APPL-SN-506636 ..... 05 p0717 N91-14001* #
US-PATENT-APPL-SN-507264 ..... 05 p0668 N91-13711 #
US-PATENT-APPL-SN-507553 ..... 19 p3166 N91-27504*
US-PATENT-APPL-SN-508154 ..... 24 p4080 N91-32795*
US-PATENT-APPL-SN-516374 ..... 22 p3662 N91-30387
US-PATENT-APPL-SN-516585 ..... 06 p0811 N91-14479 #
US-PATENT-APPL-SN-516856 ..... 13 p2040 N91-21221*
US-PATENT-APPL-SN-516943 ..... 18 p2989 N91-26506 #
US-PATENT-APPL-SN-516956 ..... 07 p0983 N91-15397 #
US-PATENT-APPL-SN-517013 ..... 07 p1070 N91-15885 #
US-PATENT-APPL-SN-518619 ..... 21 p3452 N91-29149 #
US-PATENT-APPL-SN-518620 ..... 06 p0872 N91-14823 #
US-PATENT-APPL-SN-522949 ..... 05 p0670 N91-13724* #
US-PATENT-APPL-SN-523675 ..... 13 p2097 N91-21545*
US-PATENT-APPL-SN-524110 ..... 05 p0671 N91-13729* #
US-PATENT-APPL-SN-524414 ..... 12 p1910 N91-20502 #
US-PATENT-APPL-SN-527508 ..... 24 p4029 N91-32514*
US-PATENT-APPL-SN-527966 ..... 21 p3583 N91-29934 #
US-PATENT-APPL-SN-529427 ..... 08 p1195 N91-16566* #
US-PATENT-APPL-SN-531372 ..... 19 p3243 N91-27936*
US-PATENT-APPL-SN-531373 ..... 05 p0717 N91-14002* #
US-PATENT-APPL-SN-531374 ..... 05 p0672 N91-13734* #
US-PATENT-APPL-SN-531416 ..... 11 p1798 N91-19869 #
US-PATENT-APPL-SN-531433 ..... 23 p3874 N91-31608*
US-PATENT-APPL-SN-539954 ..... 21 p3502 N91-29439
US-PATENT-APPL-SN-539958 ..... 22 p3680 N91-30490
US-PATENT-APPL-SN-540976 ..... 05 p0648 N91-13598* #
US-PATENT-APPL-SN-543132 ..... 12 p1876 N91-20311 #
US-PATENT-APPL-SN-543926 ..... 19 p3176 N91-27562*
US-PATENT-APPL-SN-544293 ..... 05 p0648 N91-13594* #
US-PATENT-APPL-SN-544297 ..... 16 p2590 N91-24357 #
US-PATENT-APPL-SN-544298 ..... 16 p2590 N91-24356 #
US-PATENT-APPL-SN-545177 ..... 24 p4102 N91-32922*
US-PATENT-APPL-SN-545178 ..... 05 p0671 N91-13733* #
US-PATENT-APPL-SN-545220 ..... 05 p0733 N91-14096* #
US-PATENT-APPL-SN-545235 ..... 05 p0707 N91-13944* #
US-PATENT-APPL-SN-546595 ..... 09 p1374 N91-17548 #
US-PATENT-APPL-SN-550775 ..... 05 p0648 N91-13595* #
US-PATENT-APPL-SN-551103 ..... 05 p0698 N91-13886 #
US-PATENT-APPL-SN-552670 ..... 05 p0663 N91-13686* #
US-PATENT-APPL-SN-553040 ..... 16 p2690 N91-24894 #
US-PATENT-APPL-SN-553058 ..... 06 p0872 N91-14821 #
US-PATENT-APPL-SN-554051 ..... 06 p0872 N91-14822 #
US-PATENT-APPL-SN-554509 ..... 05 p0669 N91-13716 #
US-PATENT-APPL-SN-555864 ..... 05 p0636 N91-13527* #
US-PATENT-APPL-SN-555865 ..... 05 p0652 N91-13622* #
US-PATENT-APPL-SN-556606 ..... 12 p1832 N91-20070 #
US-PATENT-APPL-SN-558540 ..... 24 p4006 N91-32398 #
US-PATENT-APPL-SN-560691 ..... 19 p3155 N91-27439*
US-PATENT-APPL-SN-560703 ..... 11 p1686 N91-19288 #
US-PATENT-APPL-SN-560717 ..... 05 p0642 N91-13559* #
US-PATENT-APPL-SN-560908 ..... 19 p3146 N91-27385*
US-PATENT-APPL-SN-560924 ..... 17 p2864 N91-25840*
US-PATENT-APPL-SN-560926 ..... 05 p0632 N91-13500* #
US-PATENT-APPL-SN-561436 ..... 12 p1900 N91-20448 #
US-PATENT-APPL-SN-562095 ..... 05 p0694 N91-13865* #
US-PATENT-APPL-SN-564234 ..... 22 p3655 N91-30342
US-PATENT-APPL-SN-564892 ..... 11 p1664 N91-19171 #
US-PATENT-APPL-SN-565090 ..... 23 p3790 N91-31140*
US-PATENT-APPL-SN-565781 ..... 11 p1686 N91-19289 #
US-PATENT-APPL-SN-567025 ..... 05 p0641 N91-13558* #
US-PATENT-APPL-SN-568127 ..... 05 p0659 N91-13658* #
US-PATENT-APPL-SN-568128 ..... 05 p0642 N91-13560* #
US-PATENT-APPL-SN-568129 ..... 05 p0716 N91-13998* #
US-PATENT-APPL-SN-568130 ..... 05 p0683 N91-13796* #
US-PATENT-APPL-SN-570759 ..... 19 p3173 N91-27543
US-PATENT-APPL-SN-570926 ..... 07 p1067 N91-15871 #
US-PATENT-APPL-SN-571058 ..... 19 p3121 N91-27244*
US-PATENT-APPL-SN-571059 ..... 05 p0632 N91-13502* #
US-PATENT-APPL-SN-571062 ..... 05 p0671 N91-13732* #
US-PATENT-APPL-SN-571687 ..... 07 p1032 N91-15661* #
US-PATENT-APPL-SN-573971 ..... 16 p2647 N91-24654 #
US-PATENT-APPL-SN-574182 ..... 10 p1591 N91-18771 #
US-PATENT-APPL-SN-575694 ..... 05 p0728 N91-14066* #
US-PATENT-APPL-SN-575695 ..... 05 p0663 N91-13684* #
US-PATENT-APPL-SN-575697 ..... 05 p0678 N91-13767* #
US-PATENT-APPL-SN-575708 ..... 08 p1236 N91-16815* #
US-PATENT-APPL-SN-575737 ..... 05 p0628 N91-13481* #
US-PATENT-APPL-SN-578043 ..... 07 p0971 N91-15333* #
US-PATENT-APPL-SN-579921 ..... 18 p2994 N91-26537 #
US-PATENT-APPL-SN-580012 ..... 10 p1502 N91-18263 #
US-PATENT-APPL-SN-581620 ..... 12 p1905 N91-20478 #
US-PATENT-APPL-SN-582269 ..... 10 p1502 N91-18264 #
US-PATENT-APPL-SN-585627 ..... 06 p0853 N91-14709*
US-PATENT-APPL-SN-586369 ..... 07 p1068 N91-15874* #
US-PATENT-APPL-SN-587890 ..... 07 p0978 N91-15368* #
US-PATENT-APPL-SN-587919 ..... 05 p0697 N91-13879* #
US-PATENT-APPL-SN-587920 ..... 08 p1218 N91-16707* #
US-PATENT-APPL-SN-587921 ..... 05 p0716 N91-13996* #
US-PATENT-APPL-SN-587922 ..... 05 p0702 N91-13911* #
US-PATENT-APPL-SN-589230 ..... 18 p2941 N91-26224 #
US-PATENT-APPL-SN-589571 ..... 05 p0642 N91-13561* #
US-PATENT-APPL-SN-589703 ..... 16 p2635 N91-24587 #
US-PATENT-APPL-SN-589703 ..... 17 p2731 N91-25120 #
US-PATENT-APPL-SN-590182 ..... 21 p3528 N91-29598 #
US-PATENT-APPL-SN-590704 ..... 22 p3662 N91-30386
US-PATENT-APPL-SN-591643 ..... 15 p2522 N91-23976* #
US-PATENT-APPL-SN-591644 ..... 23 p3852 N91-31476*
US-PATENT-APPL-SN-591924 ..... 21 p3502 N91-29438 #
US-PATENT-APPL-SN-592035 ..... 16 p2635 N91-24586 #
US-PATENT-APPL-SN-593412 ..... 24 p3973 N91-32196*
US-PATENT-APPL-SN-594537 ..... 19 p3168 N91-27519 #
US-PATENT-APPL-SN-594751 ..... 12 p1894 N91-20414 #
US-PATENT-APPL-SN-596105 ..... 07 p1005 N91-15520* #
US-PATENT-APPL-SN-596133 ..... 17 p2864 N91-25841*
US-PATENT-APPL-SN-596139 ..... 05 p0652 N91-13621* #
US-PATENT-APPL-SN-596188 ..... 11 p1690 N91-19312
US-PATENT-APPL-SN-597847 ..... 18 p3063 N91-26923 #
US-PATENT-APPL-SN-598513 ..... 18 p2989 N91-26505 #
US-PATENT-APPL-SN-601954 ..... 15 p2514 N91-23933* #
US-PATENT-APPL-SN-601957 ..... 07 p0986 N91-15412* #
US-PATENT-APPL-SN-602598 ..... 12 p1900 N91-20449 #
US-PATENT-APPL-SN-603052 ..... 17 p2765 N91-25305*
US-PATENT-APPL-SN-603055 ..... 05 p0643 N91-13566* #
US-PATENT-APPL-SN-603335 ..... 19 p3102 N91-27139*
US-PATENT-APPL-SN-603337 ..... 24 p4026 N91-32498*
US-PATENT-APPL-SN-603375 ..... 06 p0814 N91-14495*
US-PATENT-APPL-SN-606988 ..... 07 p1005 N91-15519* #
US-PATENT-APPL-SN-607345 ..... 18 p2994 N91-26536 #
US-PATENT-APPL-SN-607350 ..... 16 p2620 N91-24505 #
US-PATENT-APPL-SN-607390 ..... 16 p2632 N91-24569 #
US-PATENT-APPL-SN-607955 ..... 16 p2621 N91-24514 #
US-PATENT-APPL-SN-608452 ..... 16 p2688 N91-24878* #
US-PATENT-APPL-SN-608494 ..... 15 p2421 N91-23410* #
US-PATENT-APPL-SN-608657 ..... 23 p3881 N91-31656*
US-PATENT-APPL-SN-608764 ..... 21 p3583 N91-29933 #
US-PATENT-APPL-SN-610883 ..... 08 p1120 N91-16152* #
US-PATENT-APPL-SN-613046 ..... 07 p0972 N91-15334* #
US-PATENT-APPL-SN-615668 ..... 15 p2489 N91-23783* #
US-PATENT-APPL-SN-618790 ..... 15 p2465 N91-23662* #
US-PATENT-APPL-SN-618854 ..... 16 p2604 N91-24426* #
US-PATENT-APPL-SN-619567 ..... 19 p3178 N91-27573 #
US-PATENT-APPL-SN-620108 ..... 24 p4021 N91-32470 #
US-PATENT-APPL-SN-621144 ..... 09 p1273 N91-16999* #
US-PATENT-APPL-SN-621685 ..... 16 p2635 N91-24590 #
US-PATENT-APPL-SN-625344 ..... 09 p1336 N91-17340* #
US-PATENT-APPL-SN-625345 ..... 09 p1370 N91-17531* #
US-PATENT-APPL-SN-627163 ..... 18 p3035 N91-26753 #
US-PATENT-APPL-SN-628062 ..... 20 p3310 N91-28321* #
US-PATENT-APPL-SN-628529 ..... 09 p1347 N91-17401* #
US-PATENT-APPL-SN-629740 ..... 09 p1320 N91-17250* #
US-PATENT-APPL-SN-632707 ..... 21 p3516 N91-29523 #
US-PATENT-APPL-SN-633361 ..... 11 p1654 N91-19116 #
US-PATENT-APPL-SN-633746 ..... 15 p2507 N91-23890* #
US-PATENT-APPL-SN-636348 ..... 24 p4021 N91-32471 #
US-PATENT-APPL-SN-636531 ..... 15 p2435 N91-23490* #
US-PATENT-APPL-SN-636532 ..... 13 p2093 N91-21525* #
US-PATENT-APPL-SN-638600 ..... 16 p2592 N91-24362* #
US-PATENT-APPL-SN-640775 ..... 15 p2430 N91-23462* #
US-PATENT-APPL-SN-641843 ..... 18 p3063 N91-26924 #
US-PATENT-APPL-SN-641997 ..... 18 p2979 N91-26448 #
US-PATENT-APPL-SN-645089 ..... 15 p2391 N91-23237* #
US-PATENT-APPL-SN-645972 ..... 15 p2416 N91-23380* #
US-PATENT-APPL-SN-647902 ..... 15 p2381 N91-23180* #
US-PATENT-APPL-SN-648696 ..... 21 p3501 N91-29430 #
US-PATENT-APPL-SN-648772 ..... 15 p2435 N91-23491* #
US-PATENT-APPL-SN-652156 ..... 21 p3508 N91-29475 #
US-PATENT-APPL-SN-653605 ..... 15 p2507 N91-23889* #
US-PATENT-APPL-SN-654704 ..... 16 p2633 N91-24577* #
US-PATENT-APPL-SN-656925 ..... 15 p2435 N91-23492* #
US-PATENT-APPL-SN-657238 ..... 17 p2747 N91-25201* #
US-PATENT-APPL-SN-657586 ..... 18 p2995 N91-26542* #
US-PATENT-APPL-SN-657598 ..... 17 p2785 N91-25415* #
US-PATENT-APPL-SN-658911 ..... 16 p2564 N91-24216* #
US-PATENT-APPL-SN-660755 ..... 15 p2435 N91-23493* #
US-PATENT-APPL-SN-661352 ..... 19 p3265 N91-28057 #
US-PATENT-APPL-SN-662684 ..... 18 p2966 N91-26376* #
US-PATENT-APPL-SN-665509 ..... 24 p4102 N91-32923* #
US-PATENT-APPL-SN-666536 ..... 20 p3339 N91-28490* #
US-PATENT-APPL-SN-671603 ..... 17 p2817 N91-25570* #
US-PATENT-APPL-SN-672728 ..... 12 p1979 N91-20891
US-PATENT-APPL-SN-674636 ..... 17 p2765 N91-25306* #
US-PATENT-APPL-SN-674828 ..... 20 p3380 N91-28727* #
US-PATENT-APPL-SN-676669 ..... 21 p3496 N91-29400 #
US-PATENT-APPL-SN-676910 ..... 15 p2457 N91-23617* #
US-PATENT-APPL-SN-677008 ..... 20 p3354 N91-28579* #
US-PATENT-APPL-SN-677182 ..... 17 p2771 N91-25335* #
US-PATENT-APPL-SN-678551 ..... 20 p3354 N91-28580* #
US-PATENT-APPL-SN-678553 ..... 20 p3289 N91-28184* #

US-PATENT-APPL-SN-678780 ..... 17 p2737 N91-25155* #
US-PATENT-APPL-SN-680605 ..... 06 p0835 N91-14616*
US-PATENT-APPL-SN-681288 ..... 15 p2432 N91-23472* #
US-PATENT-APPL-SN-682151 ..... 20 p3330 N91-28444* #
US-PATENT-APPL-SN-682153 ..... 20 p3332 N91-28455* #
US-PATENT-APPL-SN-682160 ..... 18 p2966 N91-26375* #
US-PATENT-APPL-SN-685962 ..... 15 p2430 N91-23460* #
US-PATENT-APPL-SN-687606 ..... 18 p2995 N91-26543* #
US-PATENT-APPL-SN-690144 ..... 18 p2929 N91-26159* #
US-PATENT-APPL-SN-690198 ..... 20 p3349 N91-28546* #
US-PATENT-APPL-SN-691609 ..... 20 p3354 N91-28578* #
US-PATENT-APPL-SN-691610 ..... 17 p2741 N91-25167* #
US-PATENT-APPL-SN-699130 ..... 17 p2763 N91-25298* #
US-PATENT-APPL-SN-699288 ..... 20 p3332 N91-28454* #
US-PATENT-APPL-SN-699289 ..... 17 p2781 N91-25392* #
US-PATENT-APPL-SN-699299 ..... 24 p4028 N91-32509* #
US-PATENT-APPL-SN-700375 ..... 24 p3978 N91-32224 #
US-PATENT-APPL-SN-700379 ..... 24 p4103 N91-32924* #
US-PATENT-APPL-SN-702529 ..... 20 p3351 N91-28557* #
US-PATENT-APPL-SN-704454 ..... 16 p2666 N91-24749
US-PATENT-APPL-SN-708255 ..... 17 p2747 N91-25202* #
US-PATENT-APPL-SN-709907 ..... 18 p2937 N91-26200* #
US-PATENT-APPL-SN-710192 ..... 18 p2980 N91-26459* #
US-PATENT-APPL-SN-710193 ..... 17 p2780 N91-25388* #
US-PATENT-APPL-SN-710424 ..... 24 p4024 N91-32489* #
US-PATENT-APPL-SN-710633 ..... 20 p3354 N91-28581* #
US-PATENT-APPL-SN-710845 ..... 20 p3390 N91-28785* #
US-PATENT-APPL-SN-712796 ..... 24 p4082 N91-32805* #
US-PATENT-APPL-SN-714814 ..... 20 p3355 N91-28582* #
US-PATENT-APPL-SN-716182 ..... 20 p3381 N91-28730* #
US-PATENT-APPL-SN-717447 ..... 18 p3071 N91-26968* #
US-PATENT-APPL-SN-718046 ..... 20 p3317 N91-28363* #
US-PATENT-APPL-SN-718313 ..... 20 p3280 N91-28135* #
US-PATENT-APPL-SN-718314 ..... 18 p3070 N91-26967* #
US-PATENT-APPL-SN-718315 ..... 18 p3070 N91-26966* #
US-PATENT-APPL-SN-718798 ..... 07 p1072 N91-15898*
US-PATENT-APPL-SN-720133 ..... 20 p3327 N91-28423* #
US-PATENT-APPL-SN-721038 ..... 20 p3327 N91-28424* #
US-PATENT-APPL-SN-721039 ..... 20 p3287 N91-28175* #
US-PATENT-APPL-SN-722446 ..... 24 p3968 N91-32167* #
US-PATENT-APPL-SN-723262 ..... 11 p1651 N91-19100
US-PATENT-APPL-SN-725111 ..... 21 p3548 N91-29714* #
US-PATENT-APPL-SN-729107 ..... 24 p4106 N91-32947* #
US-PATENT-APPL-SN-731829 ..... 20 p3289 N91-28186* #
US-PATENT-APPL-SN-735149 ..... 24 p4028 N91-32511* #
US-PATENT-APPL-SN-735548 ..... 20 p3304 N91-28289* #
US-PATENT-APPL-SN-740675 ..... 24 p4029 N91-32515* #
US-PATENT-APPL-SN-743468 ..... 24 p3963 N91-32149* #
US-PATENT-APPL-SN-744118 ..... 24 p4028 N91-32510* #
US-PATENT-APPL-SN-744197 ..... 24 p4103 N91-32926* #
US-PATENT-APPL-SN-747059 ..... 24 p4103 N91-32925* #
US-PATENT-APPL-SN-748933 ..... 15 p2397 N91-23271* #
US-PATENT-APPL-SN-751350 ..... 11 p1714 N91-19437
US-PATENT-APPL-SN-766591 ..... 24 p3979 N91-32229* #
US-PATENT-APPL-SN-771537 ..... 13 p2089 N91-21494*
US-PATENT-APPL-SN-772181 ..... 24 p3979 N91-32230* #
US-PATENT-APPL-SN-795770 ..... 12 p1880 N91-20334
US-PATENT-APPL-SN-798713 ..... 06 p0814 N91-14495*
US-PATENT-APPL-SN-838649 ..... 06 p0826 N91-14562*
US-PATENT-APPL-SN-858054 ..... 24 p3981 N91-32240*
US-PATENT-APPL-SN-892622 ..... 16 p2611 N91-24455
US-PATENT-APPL-SN-899683 ..... 19 p3113 N91-27199*
US-PATENT-APPL-SN-921572 ..... 17 p2747 N91-25199*
US-PATENT-APPL-SN-921576 ..... 23 p3861 N91-31530*
US-PATENT-APPL-SN-921622 ..... 16 p2598 N91-24394
US-PATENT-APPL-SN-924474 ..... 09 p1301 N91-17141*
US-PATENT-APPL-SN-929876 ..... 06 p0818 N91-14523*

US-PATENT-CLASS-DIG.4 ..... 13 p2097 N91-21543*

US-PATENT-CLASS-4-DIG.9 ..... 06 p0856 N91-14724*
US-PATENT-CLASS-4-209R 06 p0856 N91-14723*
US-PATENT-CLASS-4-316 ..... 06 p0856 N91-14723*
US-PATENT-CLASS-4-316 ..... 06 p0856 N91-14724*
US-PATENT-CLASS-4-482 ..... 06 p0856 N91-14723*
US-PATENT-CLASS-4-482 ..... 06 p0856 N91-14724*
US-PATENT-CLASS-4-661 ..... 06 p0856 N91-14724*
US-PATENT-CLASS-14-71.5 ..... 06 p0791 N91-14374*
US-PATENT-CLASS-29-558 ..... 24 p4028 N91-32508*
US-PATENT-CLASS-29-568 ..... 23 p3881 N91-31656*
US-PATENT-CLASS-29-623.5 ..... 19 p3161 N91-27478*
US-PATENT-CLASS-30-92 ..... 23 p3881 N91-31655*
US-PATENT-CLASS-30-388 ..... 23 p3881 N91-31655*
US-PATENT-CLASS-33-261 ..... 06 p0831 N91-14591*
US-PATENT-CLASS-33-263 ..... 06 p0787 N91-14356*
US-PATENT-CLASS-42-1.13 ..... 07 p0938 N91-15142*
US-PATENT-CLASS-47-1.4 ..... 23 p3906 N91-31803* #
US-PATENT-CLASS-47-62 ..... 23 p3906 N91-31803* #
US-PATENT-CLASS-48-77 ..... 06 p0814 N91-14495*
US-PATENT-CLASS-48-197R 06 p0814 N91-14495*
US-PATENT-CLASS-48-203 ..... 06 p0814 N91-14495*
US-PATENT-CLASS-52-144 ..... 19 p3239 N91-27913*
US-PATENT-CLASS-52-646 ..... 13 p2040 N91-21221*
US-PATENT-CLASS-52-646 ..... 19 p3113 N91-27199*
US-PATENT-CLASS-55-68 ..... 06 p0844 N91-14662*
US-PATENT-CLASS-55-74 ..... 06 p0844 N91-14662*
US-PATENT-CLASS-55-75 ..... 23 p3906 N91-31803* #
US-PATENT-CLASS-55-84 ..... 06 p0844 N91-14662*
US-PATENT-CLASS-55-89 ..... 06 p0844 N91-14662*
US-PATENT-CLASS-55-228 ..... 06 p0844 N91-14662*
US-PATENT-CLASS-55-242 ..... 06 p0844 N91-14662*
US-PATENT-CLASS-60-39.12 ..... 06 p0814 N91-14495*
US-PATENT-CLASS-60-39.182 ..... 06 p0814 N91-14495*
US-PATENT-CLASS-60-245 ..... 16 p2610 N91-24454
US-PATENT-CLASS-62-90 ..... 13 p2082 N91-21473*
US-PATENT-CLASS-62-333 ..... 13 p2082 N91-21473*
US-PATENT-CLASS-62-384 ..... 13 p2082 N91-21473*
US-PATENT-CLASS-65-21.4 ..... 24 p3981 N91-32240*
US-PATENT-CLASS-73-49.8 ..... 13 p2032 N91-21175*
US-PATENT-CLASS-73-61.3 ..... 16 p2598 N91-24394
US-PATENT-CLASS-73-147 ..... 06 p0787 N91-14356*
US-PATENT-CLASS-73-147 ..... 06 p0787 N91-14357*
US-PATENT-CLASS-73-149 ..... 07 p1004 N91-15511*
US-PATENT-CLASS-73-149 ..... 13 p2088 N91-21493*
US-PATENT-CLASS-73-149 ..... 13 p2089 N91-21495*
US-PATENT-CLASS-73-167 ..... 24 p3973 N91-32196*
US-PATENT-CLASS-73-170R 06 p0799 N91-14412*
US-PATENT-CLASS-73-178T 23 p3787 N91-31120*
US-PATENT-CLASS-73-432.1 ..... 23 p3871 N91-31596*
US-PATENT-CLASS-73-505 ..... 06 p0870 N91-14807*
US-PATENT-CLASS-73-631 ..... 19 p3239 N91-27914*
US-PATENT-CLASS-73-658 ..... 06 p0833 N91-14607*
US-PATENT-CLASS-73-663 ..... 13 p2032 N91-21176*
US-PATENT-CLASS-73-794 ..... 06 p0803 N91-14430*
US-PATENT-CLASS-73-826 ..... 19 p3109 N91-27175*
US-PATENT-CLASS-73-852 ..... 13 p2096 N91-21540*
US-PATENT-CLASS-73-862.33 ..... 09 p1338 N91-17350*
US-PATENT-CLASS-73-862.36 ..... 09 p1338 N91-17350*
US-PATENT-CLASS-73-863.22 ..... 23 p3897 N91-31755*
US-PATENT-CLASS-73-863.41 ..... 23 p3897 N91-31755*
US-PATENT-CLASS-73-863.85 ..... 23 p3897 N91-31755*
US-PATENT-CLASS-73-863.86 ..... 23 p3897 N91-31755*
US-PATENT-CLASS-73-865.6 ..... 13 p2029 N91-21157*
US-PATENT-CLASS-73-865.6 ..... 13 p2032 N91-21176*
US-PATENT-CLASS-73-866.4 ..... 13 p2032 N91-21176*
US-PATENT-CLASS-74-479 ..... 06 p0835 N91-14616*
US-PATENT-CLASS-74-665G 06 p0835 N91-14616*
US-PATENT-CLASS-75-331 ..... 24 p3981 N91-32240*
US-PATENT-CLASS-75-338 ..... 24 p3981 N91-32240*
US-PATENT-CLASS-75-340 ..... 24 p3981 N91-32240*
US-PATENT-CLASS-75-342 ..... 24 p3981 N91-32240*
US-PATENT-CLASS-83-203 ..... 18 p3034 N91-26747*
US-PATENT-CLASS-83-206 ..... 18 p3034 N91-26747*
US-PATENT-CLASS-83-277 ..... 18 p3034 N91-26747*
US-PATENT-CLASS-83-282 ..... 18 p3034 N91-26747*
US-PATENT-CLASS-83-614 ..... 18 p3034 N91-26747*
US-PATENT-CLASS-83-649 ..... 18 p3034 N91-26747*
US-PATENT-CLASS-89-1.14 ..... 24 p4026 N91-32498*
US-PATENT-CLASS-89-1.34 ..... 07 p0938 N91-15142*
US-PATENT-CLASS-89-1.55 ..... 11 p1646 N91-19076
US-PATENT-CLASS-89-1.57 ..... 24 p4026 N91-32498*
US-PATENT-CLASS-92-103F 13 p2089 N91-21494*
US-PATENT-CLASS-92-103SD 13 p2089 N91-21494*
US-PATENT-CLASS-102-200 ..... 24 p3973 N91-32196*
US-PATENT-CLASS-102-202.2 ..... 19 p3143 N91-27373
US-PATENT-CLASS-102-216 ..... 22 p3668 N91-30421
US-PATENT-CLASS-102-262 ..... 07 p0938 N91-15142*
US-PATENT-CLASS-102-378 ..... 24 p4026 N91-32498*
US-PATENT-CLASS-102-402 ..... 18 p2979 N91-26449
US-PATENT-CLASS-105-87 ..... 24 p4029 N91-32514*
US-PATENT-CLASS-105-124 ..... 24 p4029 N91-32514*
US-PATENT-CLASS-105-141 ..... 24 p4029 N91-32514*
US-PATENT-CLASS-105-142 ..... 24 p4029 N91-32514*
US-PATENT-CLASS-110-165R 07 p0988 N91-15423*
US-PATENT-CLASS-110-171 ..... 07 p0988 N91-15423*
US-PATENT-CLASS-110-259 ..... 07 p0988 N91-15423*
US-PATENT-CLASS-112-440 ..... 23 p3807 N91-31236*
US-PATENT-CLASS-114-67A 06 p0826 N91-14562*
US-PATENT-CLASS-114-122 ..... 17 p2779 N91-25380*
US-PATENT-CLASS-114-125 ..... 17 p2779 N91-25380*
US-PATENT-CLASS-118-405 ..... 07 p1072 N91-15898*
US-PATENT-CLASS-118-407 ..... 07 p1072 N91-15898*
US-PATENT-CLASS-118-419 ..... 07 p1072 N91-15898*
US-PATENT-CLASS-118-428 ..... 07 p1072 N91-15898*
US-PATENT-CLASS-124-75 ..... 11 p1654 N91-19116 #
US-PATENT-CLASS-126-263 ..... 19 p3173 N91-27543
US-PATENT-CLASS-128-660.06 ..... 19 p3239 N91-27914*
US-PATENT-CLASS-128-671 ..... 06 p0853 N91-14709*
US-PATENT-CLASS-128-689 ..... 06 p0853 N91-14709*
US-PATENT-CLASS-128-706 ..... 06 p0853 N91-14709*
US-PATENT-CLASS-128-716 ..... 06 p0853 N91-14709*
US-PATENT-CLASS-136-200 ..... 23 p3874 N91-31608*
US-PATENT-CLASS-136-204 ..... 19 p3146 N91-27385*
US-PATENT-CLASS-136-244 ..... 19 p3185 N91-27614*
US-PATENT-CLASS-136-249 ..... 19 p3185 N91-27614*
US-PATENT-CLASS-136-256 ..... 19 p3185 N91-27614*
US-PATENT-CLASS-137-556 ..... 06 p0826 N91-14563*
US-PATENT-CLASS-138-26 ..... 17 p2765 N91-25305*
US-PATENT-CLASS-138-30 ..... 17 p2765 N91-25305*
US-PATENT-CLASS-149-19.1 ..... 18 p2969 N91-26392
US-PATENT-CLASS-149-19.3 ..... 16 p2611 N91-24455
US-PATENT-CLASS-149-19.91 ..... 11 p1690 N91-19312

US-PATENT-CLASS-156-169 ..... 06 p0811 N91-14478
US-PATENT-CLASS-156-172 ..... 17 p2747 N91-25199*
US-PATENT-CLASS-156-187 ..... 17 p2747 N91-25199*
US-PATENT-CLASS-156-345 ..... 23 p3811 N91-31258*
US-PATENT-CLASS-156-608 ..... 07 p1072 N91-15898*
US-PATENT-CLASS-156-617.1 ..... 07 p1072 N91-15898*
US-PATENT-CLASS-156-620.1 ..... 07 p1072 N91-15898*
US-PATENT-CLASS-156-625 ..... 17 p2747 N91-25199*
US-PATENT-CLASS-156-634 ..... 17 p2747 N91-25199*
US-PATENT-CLASS-156-643 ..... 23 p3811 N91-31258*
US-PATENT-CLASS-156-668 ..... 23 p3811 N91-31258*
US-PATENT-CLASS-164-122.1 ..... 06 p0808 N91-14462*
US-PATENT-CLASS-164-338.1 ..... 06 p0808 N91-14462*
US-PATENT-CLASS-165-1 ..... 19 p3146 N91-27385*
US-PATENT-CLASS-165-20 ..... 13 p2089 N91-21496*
US-PATENT-CLASS-165-41 ..... 07 p0988 N91-15424*
US-PATENT-CLASS-165-86 ..... 13 p2082 N91-21473*
US-PATENT-CLASS-165-96 ..... 13 p2082 N91-21473*
US-PATENT-CLASS-165-104.14 ..... 13 p2082 N91-21473*
US-PATENT-CLASS-165-104.31 ..... 07 p0988 N91-15424*
US-PATENT-CLASS-165-185 ..... 19 p3146 N91-27385*
US-PATENT-CLASS-165-904 ..... 07 p0988 N91-15424*
US-PATENT-CLASS-181-0.5 ..... 06 p0870 N91-14808*
US-PATENT-CLASS-181-206 ..... 19 p3239 N91-27913*
US-PATENT-CLASS-181-286 ..... 19 p3239 N91-27913*
US-PATENT-CLASS-181-290 ..... 19 p3239 N91-27913*
US-PATENT-CLASS-181-295 ..... 19 p3239 N91-27913*
US-PATENT-CLASS-188-24.11 ..... 24 p4029 N91-32514*
US-PATENT-CLASS-188-299 ..... 12 p1906 N91-20488
US-PATENT-CLASS-204-192.32 ..... 23 p3811 N91-31258*
US-PATENT-CLASS-210-355 ..... 06 p0852 N91-14703*
US-PATENT-CLASS-210-396 ..... 13 p2126 N91-21701*
US-PATENT-CLASS-210-414 ..... 06 p0852 N91-14703*
US-PATENT-CLASS-210-615 ..... 06 p0844 N91-14662*
US-PATENT-CLASS-210-748 ..... 23 p3906 N91-31803* #
US-PATENT-CLASS-219-69.11 ..... 17 p2763 N91-25296*
US-PATENT-CLASS-219-69.12 ..... 24 p4028 N91-32508*
US-PATENT-CLASS-219-75 ..... 17 p2870 N91-25875*
US-PATENT-CLASS-219-76.16 ..... 17 p2870 N91-25875*
US-PATENT-CLASS-219-121.47 ..... 17 p2870 N91-25875*
US-PATENT-CLASS-219-121.48 ..... 17 p2870 N91-25875*
US-PATENT-CLASS-219-121.52 ..... 17 p2870 N91-25875*
US-PATENT-CLASS-219-121.68 ..... 06 p0816 N91-14508*
US-PATENT-CLASS-219-121.72 ..... 24 p4028 N91-32508*
US-PATENT-CLASS-219-390 ..... 19 p3109 N91-27175*
US-PATENT-CLASS-224-3.14 ..... 22 p3662 N91-30385
US-PATENT-CLASS-228-2.5 ..... 23 p3852 N91-31475*
US-PATENT-CLASS-228-107 ..... 23 p3852 N91-31476*
US-PATENT-CLASS-228-193 ..... 12 p1868 N91-20262
US-PATENT-CLASS-236-44A 13 p2089 N91-21496*
US-PATENT-CLASS-236-94 ..... 13 p2089 N91-21496*
US-PATENT-CLASS-239-265.11 ..... 19 p3176 N91-27560*
US-PATENT-CLASS-239-590 ..... 11 p1700 N91-19364
US-PATENT-CLASS-239-597 ..... 07 p0988 N91-15424*
US-PATENT-CLASS-239-601 ..... 07 p0988 N91-15424*
US-PATENT-CLASS-244-3.1 ..... 16 p2566 N91-24228
US-PATENT-CLASS-244-3.17 ..... 18 p2927 N91-26147 #
US-PATENT-CLASS-244-14 ..... 13 p2040 N91-21222*
US-PATENT-CLASS-244-58 ..... 06 p0784 N91-14345*
US-PATENT-CLASS-244-75R 19 p3102 N91-27139*
US-PATENT-CLASS-244-75R 23 p3790 N91-31140*
US-PATENT-CLASS-244-87 ..... 23 p3790 N91-31140*
US-PATENT-CLASS-244-88 ..... 23 p3790 N91-31140*
US-PATENT-CLASS-244-113 ..... 19 p3102 N91-27139*
US-PATENT-CLASS-244-118.1 ..... 19 p3105 N91-27156*
US-PATENT-CLASS-244-120 ..... 23 p3790 N91-31140*
US-PATENT-CLASS-244-122AD 07 p0938 N91-15142*
US-PATENT-CLASS-244-130 ..... 06 p0826 N91-14562*
US-PATENT-CLASS-244-130 ..... 19 p3105 N91-27156*
US-PATENT-CLASS-244-137.2 ..... 06 p0791 N91-14374*
US-PATENT-CLASS-244-137.2 ..... 07 p0938 N91-15142*
US-PATENT-CLASS-244-137.2 ..... 23 p3786 N91-31113*
US-PATENT-CLASS-244-137.4 ..... 19 p3105 N91-27156*
US-PATENT-CLASS-244-139 ..... 19 p3102 N91-27139*
US-PATENT-CLASS-244-158 ..... 12 p1861 N91-20225
US-PATENT-CLASS-244-158R 13 p2040 N91-21222*
US-PATENT-CLASS-244-159 ..... 19 p3113 N91-27201*
US-PATENT-CLASS-244-159 ..... 23 p3906 N91-31803* #
US-PATENT-CLASS-244-161 ..... 06 p0791 N91-14374*
US-PATENT-CLASS-244-162 ..... 07 p0938 N91-15142*
US-PATENT-CLASS-244-163 ..... 07 p0988 N91-15424*
US-PATENT-CLASS-244-163 ..... 23 p3906 N91-31803* #
US-PATENT-CLASS-244-164 ..... 17 p2779 N91-25380*
US-PATENT-CLASS-244-165 ..... 17 p2779 N91-25380*
US-PATENT-CLASS-244-199 ..... 06 p0784 N91-14345*
US-PATENT-CLASS-244-199 ..... 23 p3790 N91-31140*
US-PATENT-CLASS-244-203 ..... 06 p0826 N91-14562*
US-PATENT-CLASS-244-204 ..... 06 p0826 N91-14562*
US-PATENT-CLASS-248-181 ..... 13 p2097 N91-21543*
US-PATENT-CLASS-248-229 ..... 06 p0835 N91-14617*
US-PATENT-CLASS-248-230 ..... 06 p0835 N91-14617*
US-PATENT-CLASS-248-593 ..... 13 p2096 N91-21541*
US-PATENT-CLASS-248-604 ..... 13 p2096 N91-21541*
US-PATENT-CLASS-248-650 ..... 13 p2097 N91-21543*
US-PATENT-CLASS-248-677 ..... 13 p2097 N91-21543*
US-PATENT-CLASS-250-201.8 ..... 16 p2632 N91-24573 #
US-PATENT-CLASS-250-211J 22 p3680 N91-30490
US-PATENT-CLASS-250-227 ..... 13 p2153 N91-21871*
US-PATENT-CLASS-250-227.15 ..... 06 p0872 N91-14824
US-PATENT-CLASS-250-227.19 ..... 22 p3754 N91-30929
US-PATENT-CLASS-250-227.25 ..... 16 p2690 N91-24893
US-PATENT-CLASS-250-234 ..... 12 p1905 N91-20480 #
US-PATENT-CLASS-250-281 ..... 06 p0830 N91-14587*
US-PATENT-CLASS-250-282 ..... 06 p0830 N91-14587*
US-PATENT-CLASS-250-286 ..... 06 p0830 N91-14587*
US-PATENT-CLASS-250-287 ..... 06 p0830 N91-14587*
US-PATENT-CLASS-250-288 ..... 06 p0830 N91-14587*
US-PATENT-CLASS-250-305 ..... 06 p0830 N91-14587*
US-PATENT-CLASS-250-306 ..... 19 p3243 N91-27936*
US-PATENT-CLASS-250-307 ..... 19 p3243 N91-27936*
US-PATENT-CLASS-250-327.2 ..... 06 p0874 N91-14835*
US-PATENT-CLASS-250-338.1 ..... 06 p0830 N91-14588*
US-PATENT-CLASS-250-338.2 ..... 06 p0830 N91-14588*
US-PATENT-CLASS-250-356.1 ..... 23 p3874 N91-31608*
US-PATENT-CLASS-250-358.1 ..... 19 p3243 N91-27936*
US-PATENT-CLASS-250-370.12 ..... 06 p0830 N91-14588*
US-PATENT-CLASS-250-370.13 ..... 06 p0830 N91-14588*
US-PATENT-CLASS-250-423 ..... 06 p0830 N91-14587*
US-PATENT-CLASS-250-484.1 ..... 06 p0874 N91-14835*
US-PATENT-CLASS-250-484.1 ..... 19 p3170 N91-27528
US-PATENT-CLASS-250-493.1 ..... 06 p0830 N91-14588*
US-PATENT-CLASS-251-129.15 ..... 19 p3166 N91-27504*
US-PATENT-CLASS-251-148 ..... 19 p3166 N91-27504*
US-PATENT-CLASS-251-160 ..... 06 p0834 N91-14609*
US-PATENT-CLASS-251-163 ..... 06 p0834 N91-14609*
US-PATENT-CLASS-251-205 ..... 19 p3166 N91-27504*
US-PATENT-CLASS-251-212 ..... 06 p0826 N91-14563*
US-PATENT-CLASS-251-326 ..... 19 p3166 N91-27504*
US-PATENT-CLASS-251-363 ..... 19 p3166 N91-27504*
US-PATENT-CLASS-252-62.2 ..... 06 p0821 N91-14536*
US-PATENT-CLASS-252-510 ..... 07 p0969 N91-15320*
US-PATENT-CLASS-254-101 ..... 13 p2097 N91-21543*
US-PATENT-CLASS-261-83 ..... 22 p3713 N91-30667*
US-PATENT-CLASS-264-5 ..... 24 p3981 N91-32240*
US-PATENT-CLASS-264-12 ..... 24 p3981 N91-32240*
US-PATENT-CLASS-264-136 ..... 17 p2747 N91-25200*
US-PATENT-CLASS-264-184 ..... 19 p3176 N91-27562*
US-PATENT-CLASS-264-211.15 ..... 19 p3176 N91-27562*
US-PATENT-CLASS-264-211.16 ..... 19 p3176 N91-27562*
US-PATENT-CLASS-264-211.17 ..... 19 p3176 N91-27562*
US-PATENT-CLASS-264-234 ..... 19 p3176 N91-27562*
US-PATENT-CLASS-264-236 ..... 19 p3176 N91-27562*
US-PATENT-CLASS-264-257 ..... 17 p2747 N91-25199*
US-PATENT-CLASS-264-257 ..... 17 p2747 N91-25200*
US-PATENT-CLASS-264-261 ..... 17 p2747 N91-25199*
US-PATENT-CLASS-264-331.12 ..... 17 p2747 N91-25200*
US-PATENT-CLASS-264-345 ..... 19 p3176 N91-27562*
US-PATENT-CLASS-269-21 ..... 13 p2097 N91-21545*
US-PATENT-CLASS-277-34 ..... 19 p3176 N91-27560*
US-PATENT-CLASS-277-157 ..... 19 p3176 N91-27560*
US-PATENT-CLASS-277-226 ..... 19 p3176 N91-27560*
US-PATENT-CLASS-277-229 ..... 19 p3176 N91-27560*
US-PATENT-CLASS-285-82 ..... 06 p0834 N91-14613*
US-PATENT-CLASS-285-327 ..... 06 p0834 N91-14610*
US-PATENT-CLASS-285-361 ..... 06 p0834 N91-14613*
US-PATENT-CLASS-290-44 ..... 06 p0784 N91-14345*
US-PATENT-CLASS-290-55 ..... 06 p0784 N91-14345*
US-PATENT-CLASS-292-60 ..... 19 p3176 N91-27561*
US-PATENT-CLASS-292-61 ..... 19 p3176 N91-27561*
US-PATENT-CLASS-294-82.26 ..... 24 p4026 N91-32498*
US-PATENT-CLASS-294-86.4 ..... 23 p3881 N91-31656*
US-PATENT-CLASS-294-106 ..... 06 p0835 N91-14616*
US-PATENT-CLASS-294-111 ..... 06 p0835 N91-14616*
US-PATENT-CLASS-294-119.1 ..... 06 p0835 N91-14615*
US-PATENT-CLASS-307-353 ..... 18 p2977 N91-26438*
US-PATENT-CLASS-310-11 ..... 06 p0813 N91-14489*
US-PATENT-CLASS-310-90.5 ..... 13 p2096 N91-21539*
US-PATENT-CLASS-310-90.5 ..... 13 p2146 N91-21824*
US-PATENT-CLASS-310-323 ..... 06 p0870 N91-14808*
US-PATENT-CLASS-310-325 ..... 06 p0870 N91-14808*
US-PATENT-CLASS-310-330 ..... 06 p0882 N91-14872*
US-PATENT-CLASS-310-331 ..... 06 p0882 N91-14872*
US-PATENT-CLASS-310-334 ..... 06 p0870 N91-14808*
US-PATENT-CLASS-310-339 ..... 06 p0882 N91-14872*
US-PATENT-CLASS-310-340 ..... 06 p0882 N91-14872*
US-PATENT-CLASS-310-366 ..... 18 p2979 N91-26450
US-PATENT-CLASS-313-502 ..... 13 p2160 N91-21911*
US-PATENT-CLASS-313-502 ..... 23 p3928 N91-31950*
US-PATENT-CLASS-313-503 ..... 13 p2160 N91-21911*
US-PATENT-CLASS-313-503 ..... 23 p3928 N91-31950*
US-PATENT-CLASS-313-506 ..... 13 p2160 N91-21911*
US-PATENT-CLASS-313-506 ..... 23 p3928 N91-31950*
US-PATENT-CLASS-313-509 ..... 23 p3928 N91-31950*
US-PATENT-CLASS-315-246 ..... 12 p1979 N91-20891
US-PATENT-CLASS-318-135 ..... 13 p2096 N91-21539*
US-PATENT-CLASS-318-561 ..... 13 p2097 N91-21544*
US-PATENT-CLASS-318-568.1 ..... 23 p3861 N91-31528*
US-PATENT-CLASS-318-568.2 ..... 23 p3861 N91-31528*
US-PATENT-CLASS-318-568.11 ..... 23 p3918 N91-31885*
US-PATENT-CLASS-318-568.16 ..... 13 p2096 N91-21542*
US-PATENT-CLASS-318-568.20 ..... 13 p2096 N91-21542*
US-PATENT-CLASS-318-568.21 ..... 13 p2096 N91-21542*

US-PATENT-CLASS-318-573 ..... 23 p3861 N91-31528*
US-PATENT-CLASS-318-573 ..... 23 p3918 N91-31885*
US-PATENT-CLASS-318-628 ..... 13 p2097 N91-21544*
US-PATENT-CLASS-318-646 ..... 13 p2097 N91-21544*
US-PATENT-CLASS-318-648 ..... 13 p2097 N91-21544*
US-PATENT-CLASS-320-51 ..... 06 p0821 N91-14537*
US-PATENT-CLASS-320-236 ..... 06 p0820 N91-14530
US-PATENT-CLASS-323-311 ..... 19 p3161 N91-27479*
US-PATENT-CLASS-323-312 ..... 19 p3161 N91-27479*
US-PATENT-CLASS-324-67 ..... 22 p3668 N91-30423
US-PATENT-CLASS-324-115 ..... 06 p0791 N91-14371*
US-PATENT-CLASS-324-158F 06 p0824 N91-14552*
US-PATENT-CLASS-324-158P 06 p0824 N91-14552*
US-PATENT-CLASS-324-601 ..... 06 p0824 N91-14552*
US-PATENT-CLASS-324-636 ..... 11 p1806 N91-19918
US-PATENT-CLASS-328-151 ..... 06 p0823 N91-14550*
US-PATENT-CLASS-328-167 ..... 07 p0998 N91-15477
US-PATENT-CLASS-329-304 ..... 17 p2767 N91-25318*
US-PATENT-CLASS-329-304 ..... 19 p3155 N91-27439*
US-PATENT-CLASS-329-306 ..... 06 p0779 N91-14321*
US-PATENT-CLASS-329-349 ..... 18 p2977 N91-26438*
US-PATENT-CLASS-329-361 ..... 18 p2977 N91-26438*
US-PATENT-CLASS-329-363 ..... 06 p0823 N91-14550*
US-PATENT-CLASS-331-1 ..... 06 p0853 N91-14709*
US-PATENT-CLASS-333-247 ..... 06 p0824 N91-14552*
US-PATENT-CLASS-336-198 ..... 06 p0821 N91-14539*
US-PATENT-CLASS-336-205 ..... 06 p0821 N91-14539*
US-PATENT-CLASS-336-229 ..... 06 p0821 N91-14539*
US-PATENT-CLASS-338-32 ..... 06 p0821 N91-14537*
US-PATENT-CLASS-338-221 ..... 06 p0821 N91-14537*
US-PATENT-CLASS-340-683 ..... 06 p0833 N91-14607*
US-PATENT-CLASS-340-825.3 ..... 19 p3155 N91-27442
US-PATENT-CLASS-340-825.5 ..... 06 p0863 N91-14772*
US-PATENT-CLASS-341-143 ..... 16 p2617 N91-24490
US-PATENT-CLASS-342-25 ..... 06 p0840 N91-14642*
US-PATENT-CLASS-342-25 ..... 24 p4035 N91-32546*
US-PATENT-CLASS-342-26 ..... 13 p2111 N91-21621*
US-PATENT-CLASS-342-26 ..... 24 p4035 N91-32546*
US-PATENT-CLASS-342-29 ..... 11 p1645 N91-19072
US-PATENT-CLASS-342-52 ..... 13 p2111 N91-21621*
US-PATENT-CLASS-342-53 ..... 22 p3662 N91-30387
US-PATENT-CLASS-342-54 ..... 06 p0787 N91-14356*
US-PATENT-CLASS-342-91 ..... 06 p0820 N91-14529
US-PATENT-CLASS-342-191 ..... 24 p4035 N91-32546*
US-PATENT-CLASS-342-352 ..... 06 p0779 N91-14321*
US-PATENT-CLASS-342-357 ..... 06 p0779 N91-14321*
US-PATENT-CLASS-342-357 ..... 11 p1816 N91-19972
US-PATENT-CLASS-342-357 ..... 13 p2111 N91-21621*
US-PATENT-CLASS-342-373 ..... 22 p3662 N91-30386
US-PATENT-CLASS-342-418 ..... 06 p0779 N91-14321*
US-PATENT-CLASS-342-443 ..... 16 p2558 N91-24192
US-PATENT-CLASS-343-15 ..... 21 p3496 N91-29399
US-PATENT-CLASS-350-3.64 ..... 05 p0664 N91-13694*
US-PATENT-CLASS-350-3.68 ..... 17 p2864 N91-25840*
US-PATENT-CLASS-350-96.12 ..... 22 p3755 N91-30930
US-PATENT-CLASS-350-96.15 ..... 19 p3245 N91-27944
US-PATENT-CLASS-350-96.29 ..... 13 p2153 N91-21871*
US-PATENT-CLASS-350-96-17 ..... 07 p0984 N91-15399
US-PATENT-CLASS-350-96-24 ..... 07 p1007 N91-15526
US-PATENT-CLASS-350-97 ..... 19 p3113 N91-27200*
US-PATENT-CLASS-350-102 ..... 19 p3113 N91-27200*
US-PATENT-CLASS-350-107 ..... 19 p3113 N91-27200*
US-PATENT-CLASS-350-162.13 ..... 17 p2864 N91-25840*
US-PATENT-CLASS-350-287 ..... 06 p0831 N91-14590*
US-PATENT-CLASS-350-320 ..... 05 p0664 N91-13694*
US-PATENT-CLASS-350-320 ..... 11 p1706 N91-19396
US-PATENT-CLASS-350-353 ..... 18 p3062 N91-26918*
US-PATENT-CLASS-350-354 ..... 05 p0664 N91-13694*
US-PATENT-CLASS-350-354 ..... 06 p0872 N91-14820
US-PATENT-CLASS-350-354 ..... 18 p3062 N91-26918*
US-PATENT-CLASS-350-358 ..... 16 p2666 N91-24749
US-PATENT-CLASS-350-358 ..... 18 p3062 N91-26918*
US-PATENT-CLASS-350-500 ..... 06 p0831 N91-14590*
US-PATENT-CLASS-350-529 ..... 13 p2097 N91-21545*
US-PATENT-CLASS-350-576 ..... 06 p0831 N91-14591*
US-PATENT-CLASS-350-9615 ..... 06 p0817 N91-14512
US-PATENT-CLASS-356-1 ..... 06 p0787 N91-14356*
US-PATENT-CLASS-356-5 ..... 07 p1004 N91-15512*
US-PATENT-CLASS-356-5 ..... 19 p3247 N91-27957*
US-PATENT-CLASS-356-73.1 ..... 11 p1798 N91-19870
US-PATENT-CLASS-356-141 ..... 06 p0787 N91-14356*
US-PATENT-CLASS-356-141 ..... 07 p1004 N91-15512*
US-PATENT-CLASS-356-152 ..... 06 p0787 N91-14356*
US-PATENT-CLASS-356-152 ..... 07 p1004 N91-15512*
US-PATENT-CLASS-356-345 ..... 13 p2153 N91-21871*
US-PATENT-CLASS-356-375 ..... 24 p4102 N91-32922*
US-PATENT-CLASS-356-399 ..... 24 p4102 N91-32922*
US-PATENT-CLASS-357-15 ..... 06 p0823 N91-14551*
US-PATENT-CLASS-357-15 ..... 13 p2076 N91-21434*
US-PATENT-CLASS-357-16 ..... 17 p2864 N91-25841*
US-PATENT-CLASS-357-17 ..... 17 p2864 N91-25841*
US-PATENT-CLASS-357-27 ..... 06 p0830 N91-14588*
US-PATENT-CLASS-357-29 ..... 06 p0823 N91-14551*
US-PATENT-CLASS-357-30 ..... 06 p0820 N91-14528
US-PATENT-CLASS-357-30 ..... 06 p0823 N91-14551*
US-PATENT-CLASS-357-30 ..... 06 p0830 N91-14588*
US-PATENT-CLASS-357-30 ..... 13 p2076 N91-21434*
US-PATENT-CLASS-357-30 ..... 17 p2864 N91-25841*
US-PATENT-CLASS-357-30 ..... 18 p3063 N91-26925
US-PATENT-CLASS-357-30 ..... 19 p3185 N91-27614*
US-PATENT-CLASS-357-32 ..... 06 p0823 N91-14551*
US-PATENT-CLASS-357-34 ..... 17 p2864 N91-25841*
US-PATENT-CLASS-357-46 ..... 17 p2864 N91-25841*
US-PATENT-CLASS-357-58 ..... 06 p0823 N91-14551*
US-PATENT-CLASS-357-67S 13 p2076 N91-21434*
US-PATENT-CLASS-357-71S 13 p2076 N91-21434*
US-PATENT-CLASS-357-82 ..... 19 p3256 N91-28014*
US-PATENT-CLASS-358-236 ..... 19 p3244 N91-27943
US-PATENT-CLASS-364-200 ..... 17 p2839 N91-25693* #
US-PATENT-CLASS-364-228.3 ..... 06 p0863 N91-14769*
US-PATENT-CLASS-364-231.9 ..... 06 p0863 N91-14769*
US-PATENT-CLASS-364-280 ..... 06 p0863 N91-14769*
US-PATENT-CLASS-364-281 ..... 06 p0863 N91-14769*
US-PATENT-CLASS-364-281 ..... 17 p2839 N91-25693* #
US-PATENT-CLASS-364-281.3 ..... 17 p2839 N91-25693* #
US-PATENT-CLASS-364-281.6 ..... 17 p2839 N91-25693* #
US-PATENT-CLASS-364-281.8 ..... 17 p2839 N91-25693* #
US-PATENT-CLASS-364-300 ..... 06 p0863 N91-14769*
US-PATENT-CLASS-364-427 ..... 23 p3787 N91-31120*
US-PATENT-CLASS-364-428 ..... 23 p3787 N91-31120*
US-PATENT-CLASS-364-433 ..... 06 p0787 N91-14356*
US-PATENT-CLASS-364-478 ..... 13 p2097 N91-21544*
US-PATENT-CLASS-364-487 ..... 06 p0791 N91-14371*
US-PATENT-CLASS-364-513 ..... 06 p0859 N91-14741*
US-PATENT-CLASS-364-513 ..... 13 p2096 N91-21542*
US-PATENT-CLASS-364-513 ..... 13 p2097 N91-21544*
US-PATENT-CLASS-364-513 ..... 23 p3861 N91-31528*
US-PATENT-CLASS-364-513 ..... 23 p3918 N91-31885*
US-PATENT-CLASS-364-513 ..... 24 p4090 N91-32852*
US-PATENT-CLASS-364-550 ..... 06 p0791 N91-14371*
US-PATENT-CLASS-364-578 ..... 06 p0859 N91-14741*
US-PATENT-CLASS-364-578 ..... 17 p2767 N91-25317*
US-PATENT-CLASS-364-713 ..... 18 p3062 N91-26918*
US-PATENT-CLASS-364-807 ..... 11 p1780 N91-19764 #
US-PATENT-CLASS-364-807 ..... 24 p4090 N91-32852*
US-PATENT-CLASS-364-822 ..... 18 p3062 N91-26918*
US-PATENT-CLASS-364-837 ..... 18 p3062 N91-26918*
US-PATENT-CLASS-364-841 ..... 18 p3062 N91-26918*
US-PATENT-CLASS-364-900 ..... 11 p1714 N91-19437
US-PATENT-CLASS-365-87 ..... 11 p1773 N91-19717
US-PATENT-CLASS-365-156 ..... 23 p3907 N91-31810*
US-PATENT-CLASS-365-200 ..... 23 p3907 N91-31810*
US-PATENT-CLASS-367-122 ..... 16 p2620 N91-24506
US-PATENT-CLASS-367-126 ..... 12 p1880 N91-20334
US-PATENT-CLASS-367-165 ..... 12 p1890 N91-20391
US-PATENT-CLASS-370-85.4 ..... 06 p0863 N91-14772*
US-PATENT-CLASS-370-85.6 ..... 06 p0863 N91-14772*
US-PATENT-CLASS-370-85.9 ..... 06 p0863 N91-14772*
US-PATENT-CLASS-370-94.3 ..... 06 p0863 N91-14772*
US-PATENT-CLASS-371-40.1 ..... 23 p3907 N91-31810*
US-PATENT-CLASS-371-43 ..... 06 p0818 N91-14523*
US-PATENT-CLASS-372-19 ..... 09 p1340 N91-17360* #
US-PATENT-CLASS-372-26 ..... 19 p3171 N91-27531
US-PATENT-CLASS-372-39 ..... 09 p1340 N91-17360* #
US-PATENT-CLASS-372-41 ..... 07 p1007 N91-15528*
US-PATENT-CLASS-372-59 ..... 13 p2048 N91-21270*
US-PATENT-CLASS-372-66 ..... 09 p1340 N91-17360* #
US-PATENT-CLASS-372-68 ..... 12 p1905 N91-20479
US-PATENT-CLASS-372-70 ..... 09 p1340 N91-17360* #
US-PATENT-CLASS-372-71 ..... 07 p1007 N91-15528*
US-PATENT-CLASS-372-75 ..... 07 p1007 N91-15528*
US-PATENT-CLASS-374-8 ..... 13 p2029 N91-21157*
US-PATENT-CLASS-374-8 ..... 24 p3973 N91-32196*
US-PATENT-CLASS-374-29 ..... 23 p3874 N91-31608*
US-PATENT-CLASS-374-49 ..... 19 p3109 N91-27175*
US-PATENT-CLASS-374-50 ..... 19 p3109 N91-27175*
US-PATENT-CLASS-374-136 ..... 11 p1706 N91-19397
US-PATENT-CLASS-374-180 ..... 23 p3874 N91-31608*
US-PATENT-CLASS-374-208 ..... 23 p3874 N91-31608*
US-PATENT-CLASS-375-53 ..... 06 p0818 N91-14523*
US-PATENT-CLASS-375-53 ..... 17 p2767 N91-25316*
US-PATENT-CLASS-375-53 ..... 17 p2767 N91-25318*
US-PATENT-CLASS-375-53 ..... 19 p3155 N91-27439*
US-PATENT-CLASS-375-56 ..... 17 p2767 N91-25316*
US-PATENT-CLASS-375-56 ..... 19 p3155 N91-27439*
US-PATENT-CLASS-375-57 ..... 06 p0818 N91-14523*
US-PATENT-CLASS-375-80 ..... 06 p0779 N91-14321*
US-PATENT-CLASS-375-85 ..... 17 p2767 N91-25316*
US-PATENT-CLASS-375-85 ..... 19 p3155 N91-27439*
US-PATENT-CLASS-375-86 ..... 17 p2767 N91-25318*
US-PATENT-CLASS-375-86 ..... 19 p3155 N91-27439*
US-PATENT-CLASS-375-94 ..... 06 p0779 N91-14321*
US-PATENT-CLASS-375-97 ..... 17 p2767 N91-25316*
US-PATENT-CLASS-375-102 ..... 07 p0990 N91-15431
US-PATENT-CLASS-381-26 ..... 19 p3169 N91-27522*
US-PATENT-CLASS-381-68.1 ..... 19 p3169 N91-27522*
US-PATENT-CLASS-381-71 ..... 19 p3239 N91-27913*
US-PATENT-CLASS-381-92 ..... 19 p3169 N91-27522*
US-PATENT-CLASS-381-94 ..... 19 p3239 N91-27913*
US-PATENT-CLASS-382-6 ..... 17 p2864 N91-25840*
US-PATENT-CLASS-382-31 ..... 17 p2864 N91-25840*
US-PATENT-CLASS-382-32 ..... 17 p2864 N91-25840*

US-PATENT-CLASS-382-43 ..... 17 p2864 N91-25840*
US-PATENT-CLASS-382-49 ..... 17 p2864 N91-25840*
US-PATENT-CLASS-392-5 ..... 07 p1007 N91-15527
US-PATENT-CLASS-403-57 ..... 09 p1345 N91-17387*
US-PATENT-CLASS-403-72 ..... 19 p3113 N91-27199*
US-PATENT-CLASS-403-113 ..... 09 p1345 N91-17387*
US-PATENT-CLASS-403-131 ..... 13 p2097 N91-21543*
US-PATENT-CLASS-403-146 ..... 07 p1010 N91-15544*
US-PATENT-CLASS-403-147 ..... 07 p1010 N91-15544*
US-PATENT-CLASS-403-156 ..... 07 p1010 N91-15544*
US-PATENT-CLASS-403-171 ..... 06 p0835 N91-14614*
US-PATENT-CLASS-403-171 ..... 13 p2040 N91-21221*
US-PATENT-CLASS-403-176 ..... 13 p2040 N91-21221*
US-PATENT-CLASS-403-252 ..... 13 p2040 N91-21221*
US-PATENT-CLASS-403-291 ..... 09 p1345 N91-17387*
US-PATENT-CLASS-403-317 ..... 06 p0834 N91-14610*
US-PATENT-CLASS-403-322 ..... 06 p0835 N91-14614*
US-PATENT-CLASS-403-327 ..... 06 p0834 N91-14610*
US-PATENT-CLASS-403-327 ..... 06 p0835 N91-14614*
US-PATENT-CLASS-403-331 ..... 06 p0834 N91-14610*
US-PATENT-CLASS-403-331 ..... 06 p0835 N91-14614*
US-PATENT-CLASS-403-334 ..... 07 p1010 N91-15544*
US-PATENT-CLASS-403-381 ..... 06 p0834 N91-14610*
US-PATENT-CLASS-403-385 ..... 06 p0835 N91-14617*
US-PATENT-CLASS-403-391 ..... 06 p0835 N91-14617*
US-PATENT-CLASS-405-188 ..... 06 p0791 N91-14374*
US-PATENT-CLASS-410-80 ..... 19 p3176 N91-27561*
US-PATENT-CLASS-410-84 ..... 19 p3176 N91-27561*
US-PATENT-CLASS-411-12 ..... 11 p1714 N91-19436
US-PATENT-CLASS-414-7 ..... 06 p0835 N91-14616*
US-PATENT-CLASS-414-217 ..... 07 p0988 N91-15423*
US-PATENT-CLASS-414-220 ..... 07 p0988 N91-15423*
US-PATENT-CLASS-414-729 ..... 06 p0835 N91-14616*
US-PATENT-CLASS-415-170.1 ..... 06 p0833 N91-14608*
US-PATENT-CLASS-415-174.5 ..... 06 p0833 N91-14608*
US-PATENT-CLASS-415-229 ..... 06 p0833 N91-14608*
US-PATENT-CLASS-417-190 ..... 13 p2089 N91-21496*
US-PATENT-CLASS-418-195 ..... 07 p1009 N91-15542
US-PATENT-CLASS-419-8 ..... 09 p1302 N91-17145*
US-PATENT-CLASS-419-14 ..... 19 p3121 N91-27244*
US-PATENT-CLASS-419-24 ..... 09 p1302 N91-17145*
US-PATENT-CLASS-419-30 ..... 19 p3121 N91-27244*
US-PATENT-CLASS-419-32 ..... 19 p3121 N91-27244*
US-PATENT-CLASS-419-36 ..... 09 p1302 N91-17145*
US-PATENT-CLASS-419-36 ..... 19 p3121 N91-27244*
US-PATENT-CLASS-419-37 ..... 09 p1302 N91-17145*
US-PATENT-CLASS-419-38 ..... 19 p3121 N91-27244*
US-PATENT-CLASS-419-39 ..... 19 p3121 N91-27244*
US-PATENT-CLASS-419-48 ..... 09 p1302 N91-17145*
US-PATENT-CLASS-419-49 ..... 09 p1302 N91-17145*
US-PATENT-CLASS-419-49 ..... 19 p3121 N91-27244*
US-PATENT-CLASS-421-209 ..... 23 p3861 N91-31529*
US-PATENT-CLASS-421-457 ..... 23 p3861 N91-31529*
US-PATENT-CLASS-422-78 ..... 13 p2029 N91-21157*
US-PATENT-CLASS-422-80 ..... 13 p2029 N91-21157*
US-PATENT-CLASS-422-99 ..... 23 p3897 N91-31755*
US-PATENT-CLASS-422-101 ..... 23 p3897 N91-31755*
US-PATENT-CLASS-422-104 ..... 13 p2029 N91-21157*
US-PATENT-CLASS-423-247 ..... 13 p2048 N91-21270*
US-PATENT-CLASS-423-439 ..... 07 p0969 N91-15320*
US-PATENT-CLASS-423-448 ..... 07 p0969 N91-15320*
US-PATENT-CLASS-423-460 ..... 07 p0969 N91-15320*
US-PATENT-CLASS-423-489 ..... 07 p0969 N91-15320*
US-PATENT-CLASS-423-655 ..... 06 p0814 N91-14495*
US-PATENT-CLASS-427-34 ..... 17 p2870 N91-25875*
US-PATENT-CLASS-428 ..... 11 p1720 N91-19468
US-PATENT-CLASS-428-285 ..... 23 p3807 N91-31236*
US-PATENT-CLASS-428-690 ..... 13 p2160 N91-21911*
US-PATENT-CLASS-429-103 ..... 06 p0821 N91-14538*
US-PATENT-CLASS-429-104 ..... 06 p0821 N91-14536*
US-PATENT-CLASS-429-120 ..... 06 p0821 N91-14538*
US-PATENT-CLASS-429-213 ..... 06 p0821 N91-14536*
US-PATENT-CLASS-429-223 ..... 19 p3161 N91-27478*
US-PATENT-CLASS-434-28 ..... 19 p3146 N91-27388
US-PATENT-CLASS-435-30 ..... 23 p3897 N91-31755*
US-PATENT-CLASS-435-32 ..... 11 p1678 N91-19249
US-PATENT-CLASS-435-284 ..... 13 p2126 N91-21700*
US-PATENT-CLASS-435-285 ..... 13 p2126 N91-21700*
US-PATENT-CLASS-435-285 ..... 22 p3713 N91-30667*
US-PATENT-CLASS-435-286 ..... 13 p2126 N91-21700*
US-PATENT-CLASS-435-286 ..... 13 p2126 N91-21701*
US-PATENT-CLASS-435-286 ..... 22 p3713 N91-30667*
US-PATENT-CLASS-435-289 ..... 13 p2126 N91-21701*
US-PATENT-CLASS-435-292 ..... 13 p2126 N91-21700*
US-PATENT-CLASS-435-311 ..... 06 p0852 N91-14703*
US-PATENT-CLASS-435-311 ..... 13 p2126 N91-21700*
US-PATENT-CLASS-435-311 ..... 13 p2126 N91-21701*
US-PATENT-CLASS-435-312 ..... 13 p2126 N91-21700*
US-PATENT-CLASS-435-312 ..... 22 p3713 N91-30667*
US-PATENT-CLASS-435-313 ..... 22 p3713 N91-30667*
US-PATENT-CLASS-435-315 ..... 13 p2126 N91-21701*
US-PATENT-CLASS-435-316 ..... 06 p0852 N91-14703*
US-PATENT-CLASS-435-316 ..... 13 p2126 N91-21700*
US-PATENT-CLASS-435-316 ..... 13 p2126 N91-21701*
US-PATENT-CLASS-435-818 ..... 22 p3713 N91-30667*
US-PATENT-CLASS-437-2 ..... 19 p3185 N91-27614*
US-PATENT-CLASS-437-187 ..... 19 p3256 N91-28014*
US-PATENT-CLASS-437-197 ..... 19 p3256 N91-28014*
US-PATENT-CLASS-437-199 ..... 19 p3256 N91-28014*
US-PATENT-CLASS-437-225 ..... 06 p0871 N91-14813*
US-PATENT-CLASS-437-228 ..... 06 p0871 N91-14813*
US-PATENT-CLASS-437-229 ..... 23 p3811 N91-31258*
US-PATENT-CLASS-437-235 ..... 06 p0871 N91-14813*
US-PATENT-CLASS-437-238 ..... 06 p0871 N91-14813*
US-PATENT-CLASS-437-239 ..... 06 p0871 N91-14813*
US-PATENT-CLASS-437-247 ..... 19 p3256 N91-28014*
US-PATENT-CLASS-437-248 ..... 19 p3256 N91-28014*
US-PATENT-CLASS-437-930 ..... 06 p0871 N91-14813*
US-PATENT-CLASS-437-936 ..... 06 p0871 N91-14813*
US-PATENT-CLASS-439-100 ..... 21 p3502 N91-29439
US-PATENT-CLASS-441-83 ..... 23 p3786 N91-31113*
US-PATENT-CLASS-455-1 ..... 23 p3861 N91-31530*
US-PATENT-CLASS-455-99 ..... 23 p3861 N91-31530*
US-PATENT-CLASS-455-102 ..... 23 p3861 N91-31530*
US-PATENT-CLASS-455-605 ..... 19 p3247 N91-27957*
US-PATENT-CLASS-455-618 ..... 16 p2690 N91-24892
US-PATENT-CLASS-464-56 ..... 09 p1345 N91-17387*
US-PATENT-CLASS-464-56 ..... 09 p1345 N91-17388*
US-PATENT-CLASS-464-132 ..... 09 p1345 N91-17387*
US-PATENT-CLASS-501-1 ..... 16 p2695 N91-24922
US-PATENT-CLASS-501-128 ..... 11 p1674 N91-19225
US-PATENT-CLASS-502-34 ..... 13 p2048 N91-21270*
US-PATENT-CLASS-502-324 ..... 13 p2048 N91-21270*
US-PATENT-CLASS-505-1 ..... 05 p0698 N91-13887
US-PATENT-CLASS-505-1 ..... 23 p3861 N91-31529*
US-PATENT-CLASS-505-701 ..... 23 p3861 N91-31529*
US-PATENT-CLASS-505-702 ..... 23 p3861 N91-31529*
US-PATENT-CLASS-505-703 ..... 23 p3861 N91-31529*
US-PATENT-CLASS-505-704 ..... 23 p3861 N91-31529*
US-PATENT-CLASS-524-600 ..... 07 p0984 N91-15402*
US-PATENT-CLASS-525-422 ..... 23 p3819 N91-31307*
US-PATENT-CLASS-525-432 ..... 17 p2747 N91-25200*
US-PATENT-CLASS-525-436 ..... 07 p0984 N91-15402*
US-PATENT-CLASS-525-471 ..... 23 p3819 N91-31307*
US-PATENT-CLASS-526-262 ..... 06 p0801 N91-14418*
US-PATENT-CLASS-528-125 ..... 07 p0984 N91-15403*
US-PATENT-CLASS-528-125 ..... 19 p3117 N91-27220*
US-PATENT-CLASS-528-126 ..... 07 p0984 N91-15403*
US-PATENT-CLASS-528-126 ..... 19 p3117 N91-27220*
US-PATENT-CLASS-528-128 ..... 19 p3117 N91-27220*
US-PATENT-CLASS-528-172 ..... 07 p0984 N91-15403*
US-PATENT-CLASS-528-173 ..... 07 p0984 N91-15403*
US-PATENT-CLASS-528-176 ..... 07 p0984 N91-15403*
US-PATENT-CLASS-528-219 ..... 19 p3117 N91-27220*
US-PATENT-CLASS-528-220 ..... 19 p3117 N91-27220*
US-PATENT-CLASS-528-220 ..... 19 p3143 N91-27372*
US-PATENT-CLASS-528-222 ..... 19 p3143 N91-27372*
US-PATENT-CLASS-528-225 ..... 19 p3143 N91-27372*
US-PATENT-CLASS-528-227 ..... 19 p3143 N91-27372*
US-PATENT-CLASS-528-228 ..... 19 p3143 N91-27372*
US-PATENT-CLASS-528-230 ..... 19 p3143 N91-27372*
US-PATENT-CLASS-528-233 ..... 19 p3143 N91-27372*
US-PATENT-CLASS-528-322 ..... 06 p0801 N91-14418*
US-PATENT-CLASS-528-350 ..... 17 p2747 N91-25200*
US-PATENT-CLASS-528-352 ..... 17 p2747 N91-25200*
US-PATENT-CLASS-528-353 ..... 07 p0984 N91-15402*
US-PATENT-CLASS-528-353 ..... 07 p0984 N91-15403*
US-PATENT-CLASS-548-549 ..... 06 p0801 N91-14419*
US-PATENT-CLASS-552-101 ..... 09 p1301 N91-17141*
US-PATENT-CLASS-552-101 ..... 17 p2744 N91-25185*
US-PATENT-CLASS-552-108 ..... 17 p2744 N91-25185*
US-PATENT-CLASS-552-110 ..... 17 p2744 N91-25185*
US-PATENT-CLASS-552-113 ..... 17 p2744 N91-25185*
US-PATENT-CLASS-552-115 ..... 17 p2744 N91-25185*
US-PATENT-CLASS-623-62 ..... 24 p4080 N91-32795*
US-PATENT-CLASS-623-63 ..... 24 p4080 N91-32795*
US-PATENT-CLASS-834-224 ..... 12 p1906 N91-20487
US-PATENT-CLASS-901-9 ..... 13 p2097 N91-21544*
US-PATENT-CLASS-901-19 ..... 23 p3861 N91-31528*
US-PATENT-CLASS-901-28 ..... 09 p1345 N91-17388*
US-PATENT-CLASS-901-30 ..... 23 p3881 N91-31656*
US-PATENT-CLASS-901-33 ..... 13 p2096 N91-21542*
US-PATENT-CLASS-901-37 ..... 13 p2096 N91-21542*
US-PATENT-CLASS-901-38 ..... 06 p0835 N91-14615*
US-PATENT-CLASS-901-39 ..... 06 p0835 N91-14615*
US-PATENT-CLASS-901-47 ..... 13 p2096 N91-21542*

US-PATENT-4,499-468 ..... 21 p3496 N91-29399
US-PATENT-4,702,439 ..... 12 p1861 N91-20225
US-PATENT-4,717,862 ..... 12 p1979 N91-20891
US-PATENT-4,784,350 ..... 16 p2566 N91-24228
US-PATENT-4,839,046 ..... 06 p0852 N91-14703*
US-PATENT-4,845,993 ..... 06 p0787 N91-14357*
US-PATENT-4,860,295 ..... 09 p1340 N91-17360* #
US-PATENT-4,860,669 ..... 07 p0988 N91-15423*
US-PATENT-4,860,971 ..... 07 p0938 N91-15142*
US-PATENT-4,860,975 ..... 06 p0791 N91-14374*
US-PATENT-4,861,416 ..... 07 p1072 N91-15898*
US-PATENT-4,895,430 ..... 06 p0831 N91-14590*
US-PATENT-4,895,915 ..... 06 p0801 N91-14418*
US-PATENT-4,902,647 ..... 06 p0871 N91-14813*
US-PATENT-4,902,769 ..... 19 p3117 N91-27220*

US-PATENT-4,909,436 ..... 13 p2089 N91-21496*
US-PATENT-4,912,238 ..... 09 p1301 N91-17141*
US-PATENT-4,913,225 ..... 07 p0988 N91-15424*
US-PATENT-4,913,534 ..... 05 p0664 N91-13694*
US-PATENT-4,917,332 ..... 06 p0784 N91-14345*
US-PATENT-4,920,346 ..... 06 p0820 N91-14529
US-PATENT-4,920,487 ..... 06 p0863 N91-14769*
US-PATENT-4,921,212 ..... 06 p0834 N91-14609*
US-PATENT-4,921,293 ..... 06 p0835 N91-14616*
US-PATENT-4,921,335 ..... 06 p0872 N91-14820
US-PATENT-4,921,557 ..... 06 p0811 N91-14478
US-PATENT-4,922,201 ..... 06 p0820 N91-14530
US-PATENT-4,924,285 ..... 06 p0820 N91-14528
US-PATENT-4,926,694 ..... 06 p0803 N91-14430*
US-PATENT-4,927,326 ..... 06 p0833 N91-14608*
US-PATENT-4,928,027 ..... 06 p0813 N91-14489*
US-PATENT-4,930,854 ..... 07 p0984 N91-15399
US-PATENT-4,932,039 ..... 07 p0990 N91-15431
US-PATENT-4,932,270 ..... 09 p1338 N91-17350*
US-PATENT-4,932,610 ..... 06 p0826 N91-14562*
US-PATENT-4,932,688 ..... 06 p0834 N91-14613*
US-PATENT-4,932,747 ..... 07 p1007 N91-15526
US-PATENT-4,932,777 ..... 06 p0787 N91-14356*
US-PATENT-4,932,806 ..... 09 p1345 N91-17387*
US-PATENT-4,932,807 ..... 07 p1010 N91-15544*
US-PATENT-4,933,558 ..... 06 p0874 N91-14835*
US-PATENT-4,933,936 ..... 06 p0863 N91-14772*
US-PATENT-4,936,092 ..... 16 p2610 N91-24454
US-PATENT-4,936,146 ..... 23 p3871 N91-31596*
US-PATENT-4,936,187 ..... 11 p1646 N91-19076
US-PATENT-4,936,309 ..... 06 p0853 N91-14709*
US-PATENT-4,936,869 ..... 06 p0814 N91-14495*
US-PATENT-4,937,317 ..... 07 p0984 N91-15403*
US-PATENT-4,937,356 ..... 06 p0801 N91-14419*
US-PATENT-4,937,584 ..... 07 p0990 N91-15432
US-PATENT-4,937,891 ..... 06 p0856 N91-14723*
US-PATENT-4,939,407 ..... 18 p2979 N91-26450
US-PATENT-4,939,473 ..... 07 p0998 N91-15477
US-PATENT-4,940,891 ..... 06 p0872 N91-14824
US-PATENT-4,941,726 ..... 06 p0817 N91-14512
US-PATENT-4,941,811 ..... 07 p1009 N91-15542
US-PATENT-4,942,580 ..... 07 p1007 N91-15527
US-PATENT-4,942,632 ..... 06 p0856 N91-14724*
US-PATENT-4,943,556 ..... 05 p0698 N91-13887
US-PATENT-4,944,679 ..... 19 p3146 N91-27388
US-PATENT-4,944,815 ..... 18 p2969 N91-26392
US-PATENT-4,945,012 ..... 06 p0821 N91-14538*
US-PATENT-4,945,549 ..... 06 p0818 N91-14523*
US-PATENT-4,946,122 ..... 06 p0835 N91-14617*
US-PATENT-4,946,421 ..... 09 p1345 N91-17388*
US-PATENT-4,946,890 ..... 07 p0984 N91-15402*
US-PATENT-4,947,465 ..... 19 p3170 N91-27528
US-PATENT-4,948,766 ..... 11 p1674 N91-19225
US-PATENT-4,950,076 ..... 11 p1651 N91-19100
US-PATENT-4,950,594 ..... 11 p1678 N91-19249
US-PATENT-4,950,936 ..... 11 p1696 N91-19341
US-PATENT-4,951,056 ..... 11 p1645 N91-19072
US-PATENT-4,951,239 ..... 11 p1780 N91-19764 #
US-PATENT-4,951,644 ..... 11 p1654 N91-19116 #
US-PATENT-4,952,057 ..... 11 p1798 N91-19870
US-PATENT-4,952,255 ..... 11 p1690 N91-19312
US-PATENT-4,952,811 ..... 06 p0830 N91-14588*
US-PATENT-4,952,836 ..... 06 p0882 N91-14872*
US-PATENT-4,953,951 ..... 11 p1706 N91-19396
US-PATENT-4,953,986 ..... 11 p1706 N91-19397
US-PATENT-4,954,377 ..... 11 p1720 N91-19468
US-PATENT-4,954,833 ..... 11 p1816 N91-19972
US-PATENT-4,954,864 ..... 06 p0823 N91-14551*
US-PATENT-4,955,653 ..... 06 p0835 N91-14615*
US-PATENT-4,956,996 ..... 07 p1004 N91-15511*
US-PATENT-4,957,139 ..... 06 p0826 N91-14563*
US-PATENT-4,957,242 ..... 11 p1700 N91-19364
US-PATENT-4,957,357 ..... 06 p0831 N91-14591*
US-PATENT-4,957,661 ..... 07 p0969 N91-15320*
US-PATENT-4,958,315 ..... 11 p1714 N91-19437
US-PATENT-4,958,763 ..... 12 p1868 N91-20262
US-PATENT-4,958,970 ..... 11 p1714 N91-19436
US-PATENT-4,959,084 ..... 06 p0844 N91-14662*
US-PATENT-4,959,614 ..... 11 p1806 N91-19918
US-PATENT-4,959,638 ..... 12 p1864 N91-20242
US-PATENT-4,959,656 ..... 06 p0779 N91-14321*
US-PATENT-4,961,618 ..... 22 p3755 N91-30930
US-PATENT-4,962,330 ..... 06 p0870 N91-14808*
US-PATENT-4,962,477 ..... 11 p1773 N91-19717
US-PATENT-4,963,039 ..... 12 p1906 N91-20487
US-PATENT-4,963,052 ..... 06 p0835 N91-14614*
US-PATENT-4,964,091 ..... 12 p1890 N91-20391
US-PATENT-4,964,300 ..... 06 p0799 N91-14412*
US-PATENT-4,964,303 ..... 06 p0870 N91-14807*
US-PATENT-4,964,453 ..... 06 p0808 N91-14462*
US-PATENT-4,964,491 ..... 12 p1906 N91-20488
US-PATENT-4,964,722 ..... 07 p1004 N91-15512*
US-PATENT-4,965,429 ..... 06 p0816 N91-14508*
US-PATENT-4,965,743 ..... 06 p0859 N91-14741*
US-PATENT-4,965,776 ..... 12 p1880 N91-20334
US-PATENT-4,966,823 ..... 06 p0821 N91-14536*
US-PATENT-4,967,665 ..... 19 p3143 N91-27373
US-PATENT-4,969,154 ..... 12 p1905 N91-20479
US-PATENT-4,971,139 ..... 13 p2082 N91-21473*
US-PATENT-4,971,474 ..... 06 p0834 N91-14610*
US-PATENT-4,973,838 ..... 12 p1905 N91-20480 #
US-PATENT-4,973,840 ..... 06 p0830 N91-14587*
US-PATENT-4,973,914 ..... 06 p0823 N91-14550*
US-PATENT-4,973,936 ..... 06 p0821 N91-14537*
US-PATENT-4,974,181 ..... 06 p0791 N91-14371*
US-PATENT-4,974,230 ..... 07 p1007 N91-15528*
US-PATENT-4,975,672 ..... 06 p0821 N91-14539*
US-PATENT-4,975,704 ..... 06 p0840 N91-14642*
US-PATENT-4,977,395 ..... 06 p0833 N91-14607*
US-PATENT-4,980,126 ..... 09 p1302 N91-17145*
US-PATENT-4,980,626 ..... 13 p2096 N91-21542*
US-PATENT-4,980,636 ..... 06 p0824 N91-14552*
US-PATENT-4,981,345 ..... 13 p2097 N91-21545*
US-PATENT-4,983,571 ..... 16 p2695 N91-24922
US-PATENT-4,983,972 ..... 16 p2617 N91-24490
US-PATENT-4,983,983 ..... 16 p2558 N91-24192
US-PATENT-4,984,452 ..... 16 p2598 N91-24394
US-PATENT-4,984,457 ..... 13 p2089 N91-21495*
US-PATENT-4,985,874 ..... 16 p2620 N91-24506
US-PATENT-4,986,132 ..... 13 p2096 N91-21540*
US-PATENT-4,986,640 ..... 16 p2666 N91-24749
US-PATENT-4,987,339 ..... 13 p2160 N91-21911*
US-PATENT-4,987,607 ..... 16 p2690 N91-24892
US-PATENT-4,988,397 ..... 16 p2611 N91-24455
US-PATENT-4,988,623 ..... 13 p2126 N91-21700*
US-PATENT-4,988,673 ..... 22 p3653 N91-30332
US-PATENT-4,988,863 ..... 16 p2690 N91-24893
US-PATENT-4,989,497 ..... 13 p2089 N91-21494*
US-PATENT-4,990,312 ..... 13 p2029 N91-21157*
US-PATENT-4,990,739 ..... 17 p2870 N91-25875*
US-PATENT-4,990,762 ..... 16 p2632 N91-24573 #
US-PATENT-4,990,922 ..... 13 p2111 N91-21621*
US-PATENT-4,990,988 ..... 13 p2076 N91-21434*
US-PATENT-4,991,181 ..... 13 p2048 N91-21270*
US-PATENT-4,991,788 ..... 13 p2040 N91-21222*
US-PATENT-4,992,880 ..... 19 p3244 N91-27943
US-PATENT-4,993,325 ..... 18 p2979 N91-26449
US-PATENT-4,993,662 ..... 18 p2927 N91-26147 #
US-PATENT-4,994,668 ..... 22 p3754 N91-30929
US-PATENT-4,995,272 ..... 13 p2032 N91-21176*
US-PATENT-4,995,697 ..... 13 p2153 N91-21871*
US-PATENT-4,996,525 ..... 19 p3155 N91-27442
US-PATENT-4,996,579 ..... 18 p3063 N91-26925
US-PATENT-4,996,692 ..... 19 p3171 N91-27531
US-PATENT-4,996,972 ..... 19 p3173 N91-27543
US-PATENT-4,997,158 ..... 13 p2096 N91-21541*
US-PATENT-4,997,249 ..... 19 p3245 N91-27944
US-PATENT-4,998,059 ..... 22 p3668 N91-30423
US-PATENT-4,998,842 ..... 13 p2040 N91-21221*
US-PATENT-4,999,553 ..... 13 p2097 N91-21544*
US-PATENT-5,000,033 ..... 13 p2032 N91-21175*
US-PATENT-5,000,416 ..... 13 p2097 N91-21543*
US-PATENT-5,001,924 ..... 13 p2088 N91-21493*
US-PATENT-5,002,890 ..... 13 p2126 N91-21701*
US-PATENT-5,003,211 ..... 13 p2146 N91-21824*
US-PATENT-5,003,235 ..... 13 p2096 N91-21539*
US-PATENT-5,003,315 ..... 22 p3662 N91-30386
US-PATENT-5,003,881 ..... 22 p3655 N91-30342
US-PATENT-5,004,185 ..... 22 p3662 N91-30385
US-PATENT-5,004,575 ..... 17 p2747 N91-25200*
US-PATENT-5,005,147 ..... 17 p2767 N91-25317*
US-PATENT-5,005,457 ..... 18 p3034 N91-26747*
US-PATENT-5,005,787 ..... 23 p3906 N91-31803* #
US-PATENT-5,005,954 ..... 18 p3062 N91-26918*
US-PATENT-5,007,068 ..... 17 p2767 N91-25316*
US-PATENT-5,007,847 ..... 21 p3502 N91-29439
US-PATENT-5,007,983 ..... 23 p3811 N91-31258*
US-PATENT-5,008,061 ..... 17 p2747 N91-25199*
US-PATENT-5,011,907 ..... 19 p3143 N91-27372*
US-PATENT-5,011,955 ..... 17 p2744 N91-25185*
US-PATENT-5,012,062 ..... 17 p2763 N91-25296*
US-PATENT-5,012,083 ..... 22 p3680 N91-30490
US-PATENT-5,012,250 ..... 22 p3662 N91-30387
US-PATENT-5,012,740 ..... 22 p3668 N91-30421
US-PATENT-5,014,340 ..... 23 p3861 N91-31530*
US-PATENT-5,014,917 ..... 19 p3176 N91-27560*
US-PATENT-5,015,825 ..... 19 p3109 N91-27175*
US-PATENT-5,015,851 ..... 19 p3243 N91-27936*
US-PATENT-5,015,963 ..... 18 p2977 N91-26438*
US-PATENT-5,016,418 ..... 19 p3113 N91-27199*
US-PATENT-5,017,883 ..... 19 p3155 N91-27439*
US-PATENT-5,018,688 ..... 19 p3105 N91-27156*
US-PATENT-5,019,176 ..... 19 p3185 N91-27614*
US-PATENT-5,019,470 ..... 19 p3161 N91-27478*
US-PATENT-5,019,533 ..... 19 p3256 N91-28014*
US-PATENT-5,020,739 ..... 19 p3102 N91-27139*
US-PATENT-5,020,742 ..... 23 p3786 N91-31113*
US-PATENT-5,020,743 ..... 19 p3113 N91-27201*
US-PATENT-5,020,774 ..... 19 p3166 N91-27504*
US-PATENT-5,020,876 ..... 19 p3113 N91-27200*
US-PATENT-5,021,065 ..... 24 p4080 N91-32795*
US-PATENT-5,021,518 ..... 23 p3819 N91-31307*

US-PATENT-5,021,729 ..... 19 p3161 N91-27479*
US-PATENT-5,023,034 ..... 19 p3176 N91-27562*
US-PATENT-5,024,268 ..... 19 p3239 N91-27913*
US-PATENT-5,025,455 ..... 17 p2767 N91-25318*
US-PATENT-5,026,008 ..... 17 p2779 N91-25380*
US-PATENT-5,026,650 ..... 22 p3713 N91-30667*
US-PATENT-5,027,182 ..... 17 p2864 N91-25841*
US-PATENT-5,027,860 ..... 17 p2765 N91-25305*
US-PATENT-5,029,216 ..... 19 p3169 N91-27522*
US-PATENT-5,029,220 ..... 17 p2864 N91-25840*
US-PATENT-5,031,089 ..... 17 p2839 N91-25693* #
US-PATENT-5,031,234 ..... 19 p3247 N91-27957*
US-PATENT-5,031,627 ..... 19 p3239 N91-27914*
US-PATENT-5,031,689 ..... 19 p3146 N91-27385*
US-PATENT-5,032,045 ..... 19 p3176 N91-27561*
US-PATENT-5,034,187 ..... 19 p3121 N91-27244*
US-PATENT-5,038,089 ..... 23 p3918 N91-31885*
US-PATENT-5,038,473 ..... 23 p3881 N91-31655*
US-PATENT-5,038,693 ..... 23 p3807 N91-31236*
US-PATENT-5,044,063 ..... 23 p3881 N91-31656*
US-PATENT-5,046,395 ..... 24 p4026 N91-32498*
US-PATENT-5,047,686 ..... 23 p3928 N91-31950*
US-PATENT-5,047,700 ..... 23 p3861 N91-31528*
US-PATENT-5,047,9421-CU 23 p3787 N91-31120*
US-PATENT-5,048,023 ..... 23 p3907 N91-31810*
US-PATENT-5,048,973 ..... 23 p3874 N91-31608*
US-PATENT-5,049,492 ..... 23 p3897 N91-31755*
US-PATENT-5,049,539 ..... 23 p3861 N91-31529*
US-PATENT-5,050,789 ..... 23 p3852 N91-31476*
US-PATENT-5,050,819 ..... 23 p3790 N91-31140*
US-PATENT-5,051,559 ..... 24 p4028 N91-32508*
US-PATENT-5,052,807 ..... 24 p4102 N91-32922*
US-PATENT-5,052,817 ..... 24 p3973 N91-32196*
US-PATENT-5,053,778 ..... 24 p4035 N91-32546*
US-PATENT-5,055,240 ..... 24 p3981 N91-32240*
US-PATENT-5,056,037 ..... 24 p4090 N91-32852*
US-PATENT-5,058,506 ..... 24 p4029 N91-32514*

USAARL-CR-89-9 ..... 03 p0395 N91-12193 #

USAARL-90-8 ..... 22 p3722 N91-30716 #
USAARL-91-4 ..... 14 p2299 N91-22706 #
USAARL-91-5 ..... 15 p2367 N91-23100 #
USAARL-91-6-VOL-1 ..... 16 p2558 N91-24188 #
USAARL-91-6-VOL-2 ..... 16 p2557 N91-24187 #
USAARL-91-11 ..... 18 p3035 N91-26750 #
USAARL-91-13 ..... 18 p3035 N91-26754 #
USAARL-91-15 ..... 21 p3552 N91-29735 #

USAAVSCOM-TM-89-A-003 ..... 05 p0677 N91-13762* #
USAAVSCOM-TM-90-A-004 ..... 11 p1639 N91-19041* #
USAAVSCOM-TM-90-A-007 ..... 11 p1791 N91-19826* #

USAAVSCOM-TR-89-D-13A-VOL-1 ..... 06 p0783 N91-14343 #
USAAVSCOM-TR-89-D-13B-VOL-2 ..... 06 p0783 N91-14344 #
USAAVSCOM-TR-90-A-008 ..... 24 p3963 N91-32145* #
USAAVSCOM-TR-90-D-15A ..... 05 p0621 N91-13444 #

USABRDL-TR-9010 ..... 16 p2663 N91-24729 #

USACSTA-7005 ..... 12 p1977 N91-20875 #

USAF-STINFO-CONTRIB-90/6 ..... 06 p0885 N91-14892* #
USAF-STINFO-CONTRIB-90/7 ..... 05 p0730 N91-14079* #

USAF-STINFO-MANAGEMENT-90/1 ..... 08 p1241 N91-16838 #
USAF-STINFO-MANAGEMENT-90/4 ..... 14 p2340 N91-22940 #
USAF-STINFO-MANAGEMENT-90/6 ..... 15 p2525 N91-23997 #
USAF-STINFO-MANAGEMENT-90/7 ..... 15 p2525 N91-23996 #
USAF-STINFO-MANAGEMENT-90/9 ..... 15 p2525 N91-23995 #

USAFA-TR-90-4 ..... 03 p0401 N91-12228 #
USAFA-TR-90-11 ..... 13 p2087 N91-21486 #
USAFA-TR-91-6 ..... 23 p3915 N91-31861 #

USAFETAC/DS-90/205 ..... 16 p2659 N91-24713 #
USAFETAC/DS-90/231 ..... 18 p3015 N91-26646 #
USAFETAC/DS-90/232 ..... 18 p3015 N91-26648 #
USAFETAC/DS-90/234 ..... 18 p3015 N91-26647 #

USAFETAC/PR-90/002 ..... 16 p2659 N91-24712 #
USAFETAC/PR-90/005 ..... 14 p2353 N91-23015 #
USAFETAC/PR-90/007 ..... 14 p2288 N91-22651 #
USAFETAC/PR-90/008 ..... 14 p2286 N91-22641 #
USAFETAC/PR-91/001 ..... 16 p2660 N91-24716 #
USAFETAC/PR-91/003 ..... 15 p2470 N91-23685 #
USAFETAC/PR-91/004 ..... 15 p2465 N91-23661 #
USAFETAC/PR-91/006 ..... 15 p2470 N91-23686 #

USAFETAC/TN-90/005 ..... 09 p1368 N91-17519 #
USAFETAC/TN-91/001 ..... 16 p2699 N91-24947 #
USAFETAC/TN-91/002-VOL-2 ..... 15 p2470 N91-23684 #

USAFETAC/UH-88/001-REV ..... 16 p2659 N91-24714 #

USAFOEHL-90-126SA00687HAE ..... 08 p1122 N91-16170 #

USAFSAM-JA-90-68 ..... 15 p2430 N91-23459 #

USAFSAM-SR-90-5 ..... 18 p3030 N91-26727 #
USAFSAM-SR-90-6 ..... 24 p4073 N91-32754 #

USAFSAM-TP-88-10R ..... 13 p2128 N91-21710 #
USAFSAM-TP-89-11 ..... 16 p2663 N91-24735 #
USAFSAM-TP-89-22 ..... 04 p0552 N91-13061 #
USAFSAM-TP-90-17 ..... 13 p2183 N91-22061 #
USAFSAM-TP-90-18 ..... 19 p3211 N91-27752 #
USAFSAM-TP-90-22 ..... 18 p2925 N91-26136 #
USAFSAM-TP-90-23 ..... 16 p2663 N91-24732 #
USAFSAM-TP-90-24 ..... 18 p3030 N91-26726 #
USAFSAM-TP-90-26 ..... 18 p3032 N91-26738 #

USAFSAM-TR-89-13 ..... 03 p0395 N91-12198 #
USAFSAM-TR-90-6 ..... 04 p0551 N91-13059 #
USAFSAM-TR-90-7 ..... 05 p0694 N91-13864 #
USAFSAM-TR-90-18 ..... 18 p3021 N91-26677 #
USAFSAM-TR-90-25 ..... 23 p3906 N91-31807 #
USAFSAM-TR-90-28 ..... 09 p1372 N91-17541 #
USAFSAM-TR-90-30 ..... 22 p3715 N91-30679 #
USAFSAM-TR-90-33 ..... 18 p3056 N91-26881 #

USAISEC-ASQB-GI-91-008 ..... 19 p3153 N91-27427 #

USARIEM-TN-91-1 ..... 12 p1929 N91-20616 #

USARIEM-T9-91 ..... 21 p3547 N91-29710 #
USARIEM-T11-91 ..... 23 p3900 N91-31767 #
USARIEM-T16-90 ..... 06 p0853 N91-14708 #
USARIEM-T18-90 ..... 08 p1191 N91-16545 #

USARIEM-12-91 ..... 21 p3548 N91-29716 #

USC-OMDL-2001 ..... 15 p2510 N91-23907 #

USCG-D-01-91 ..... 18 p3035 N91-26751 #
USCG-D-02-91 ..... 18 p2997 N91-26550 #
USCG-D-05-90 ..... 22 p3615 N91-30109 #
USCG-D-08-90 ..... 04 p0476 N91-12657 #
USCG-D-13-90 ..... 17 p2734 N91-25141 #
USCG-D-14-90-VOL-2 ..... 22 p3719 N91-30702 #

USCG-ONSCEN-02-90 ..... 04 p0475 N91-12652 #
USCG-ONSCEN-03-90 ..... 16 p2558 N91-24191 #
USCG-ONSCEN-05-90 ..... 22 p3616 N91-30114 #

USCG/ONSCEN-4-91 ..... 23 p3788 N91-31124 #
USCG/ONSCEN-01-90 ..... 03 p0310 N91-11739 #
USCG/ONSCEN-01-91 ..... 23 p3788 N91-31122 #
USCG/ONSCEN-02.1-91-VOL-1 ..... 18 p2924 N91-26128 #
USCG/ONSCEN-02.2-91-VOL-2 ..... 23 p3788 N91-31123 #
USCG/ONSCEN-03-91 ..... 18 p2924 N91-26129 #

USF-TR-76 ..... 17 p2860 N91-25819* #

USGS-BULL-1908 ..... 17 p2828 N91-25620 #
USGS-BULL-1929 ..... 22 p3706 N91-30629 #

USGS-OFR-88-553 ..... 06 p0858 N91-14737 #
USGS-OFR-89-133 ..... 06 p0847 N91-14676 #
USGS-OFR-89-139 ..... 03 p0401 N91-12230 #
USGS-OFR-89-682-A ..... 08 p1175 N91-16470 #
USGS-OFR-90-615 ..... 23 p3936 N91-31998 #

USGS-PP-1076-C ..... 17 p2801 N91-25495 #

USGS/G-1483 ..... 17 p2812 N91-25540 #
USGS/G-1490 ..... 21 p3535 N91-29641 #
USGS/G-1656 ..... 24 p4070 N91-32740 #

USGS/WRI-89-4141 ..... 18 p3006 N91-26600 #
USGS/WRI-90-4022 ..... 17 p2810 N91-25531 #

USIP-89-01 ..... 14 p2297 N91-22700 #
USIP-90-02 ..... 07 p1066 N91-15864 #
USIP-90-03 ..... 07 p1061 N91-15836 #
USIP-90-04 ..... 14 p2325 N91-22844 #
USIP-90-05 ..... 07 p1066 N91-15865 #
USIP-90-06 ..... 07 p1086 N91-15973 #
USIP-90-07 ..... 14 p2325 N91-22845 #
USIP-91-01 ..... 22 p3753 N91-30922 #

USMC-89-C-AF-1 ..... 03 p0369 N91-12067 #

USNA-TSPR-166 ..... 06 p0861 N91-14759 #
USNA-TSPR-167 ..... 06 p0851 N91-14698 #
USNA-TSPR-168 ..... 06 p0822 N91-14544 #
USNA-TSPR-169 ..... 06 p0850 N91-14691 #
USNA-TSPR-170 ..... 08 p1149 N91-16329 #
USNA-TSPR-171 ..... 06 p0827 N91-14568 #
USNA-TSPR-173 ..... 06 p0869 N91-14806 #

USNA-3910-3 ..... 18 p3097 N91-27118 #

UT-KBS-90-01 ..... 03 p0405 N91-12259 #
UT-KBS-91-01 ..... 22 p3742 N91-30852 #
UT-KBS-91-02 ..... 22 p3735 N91-30800 #
UT-KBS-91-03 ..... 22 p3743 N91-30853 #

UTAP-128/91 ..... 20 p3444 N91-29112* #

UTCMSE-90-02 ..... 13 p2053 N91-21298 #

UTD-GRL/9001 ..... 13 p2092 N91-21520 #

UTK-90-08 ..... 10 p1593 N91-18789 #
UTK-91-003 ..... 24 p4095 N91-32877 #

UTRC-R-89-2330-VOL-2 ..... 08 p1149 N91-16330 #

UTRC-R90-927764 ..... 09 p1340 N91-17362 #

UTRC-927544 ..... 13 p2151 N91-21858 #

UTRC/R89-957707 ..... 21 p3513 N91-29508 #
UTRC/R90-917280-1 ..... 12 p1914 N91-20526 #
UTRC/R90-917810-5 ..... 15 p2407 N91-23327 #
UTRC/R90-957663-1 ..... 21 p3459 N91-29183 #
UTRC/R91-918246-2 ..... 19 p3120 N91-27235 #

UTSA-DOE/ME-1 ..... 05 p0641 N91-13554* #

UTSI-90 ..... 08 p1090 N91-15981* #

UTSMRDL-TR-9001 ..... 12 p1870 N91-20273 #

UVA-527359/MS91/102 ..... 07 p0980 N91-15378 #
UVA-527387/CS91/103 ..... 20 p3440 N91-29089 #

UVA/525140/MS91/101 ..... 04 p0504 N91-12799 #
UVA/525410/CS91/104 ..... 08 p1240 N91-16837 #
UVA/525435/CS91/101 ..... 04 p0568 N91-13152 #
UVA/525442/CS91/101 ..... 04 p0564 N91-13130 #
UVA/525704/EE91/101 ..... 12 p1987 N91-20935 #
UVA/525723/MS90 ..... 12 p1870 N91-20275 #
UVA/528247/EE90/101 ..... 02 p0204 N91-11144* #
UVA/528266/MS90/104 ..... 06 p0810 N91-14474* #
UVA/528266/MS91/107 ..... 09 p1313 N91-17209* #
UVA/528266/MS91/108 ..... 19 p3129 N91-27285* #
UVA/528344/CS92-101 ..... 17 p2832 N91-25646* #

UW-CMRG-R-90-101-VOL-2 ..... 21 p3470 N91-29247 #

UW-CPTC-90-6 ..... 02 p0272 N91-11525 #
UW-CPTC-90-8-REV ..... 20 p3417 N91-28949 #
UW-CPTC-91-1 ..... 16 p2692 N91-24904 #
UW-CPTC-91-2 ..... 16 p2692 N91-24905 #
UW-CPTC-91-3 ..... 20 p3435 N91-29061 #
UW-CPTC-91-4 ..... 21 p3585 N91-29944 #
UW-CPTC-91-5 ..... 20 p3418 N91-28953 #

UW-ME-91-001 ..... 18 p2942 N91-26227 #

UWA/DME/TR-90/3 ..... 03 p0382 N91-12132 #
UWA/DME/TR-90/68 ..... 12 p1913 N91-20524 #
UWA/DME/TR-91/5 ..... 18 p2942 N91-26229 #

UWAERP-23 ..... 01 p0125 N91-10738 #
UWAERP-28 ..... 20 p3420 N91-28967 #

UWIS/DC/TR-91/2 ..... 19 p3252 N91-27993 #
UWIS/DC/TR-91/3 ..... 19 p3159 N91-27465 #
UWIS/DC/TR-91/4 ..... 19 p3253 N91-27996 #

UWPR-89-2 ..... 01 p0126 N91-10741 #

UWY/AP-90/1215 ..... 16 p2658 N91-24705 #

VKI-LS-1991-01 ..... 24 p4012 N91-32426 #
VKI-LS-1991-02 ..... 23 p3865 N91-31551 #
VKI-LS-1991-03 ..... 23 p3866 N91-31565 #

VKI-TM-46 ..... 15 p2385 N91-23196 #

VKI-TN-172 ..... 15 p2426 N91-23436 #
VKI-TN-173 ..... 15 p2493 N91-23807 #
VKI-TN-174 ..... 15 p2426 N91-23437 #

VKI-1991-05-VOL-1 ..... 23 p3875 N91-31614 #
VKI-1991-05-VOL-2 ..... 23 p3876 N91-31625 #

VLSI-MEMO-89-568 ..... 04 p0506 N91-12812 #
VLSI-MEMO-89-575 ..... 03 p0425 N91-12380 #
VLSI-MEMO-89-576 ..... 03 p0425 N91-12379 #
VLSI-MEMO-90-600 ..... 04 p0506 N91-12811 #

VPI-AOE-172 ..... 22 p3610 N91-30079 #
VPI-AOE-173 ..... 22 p3671 N91-30443 #
VPI-AOE-178 ..... 22 p3671 N91-30444 #

VPI-E-83-37 ..... 13 p2100 N91-21557* #
VPI-E-90-18 ..... 06 p0802 N91-14424* #
VPI-E-91-01 ..... 13 p2100 N91-21561* #
VPI-E-91-02 ..... 14 p2274 N91-22577* #
VPI-E-91-03 ..... 13 p2100 N91-21560* #
VPI-E-91-04 ..... 19 p3200 N91-27691 #
VPI-E-91-07 ..... 15 p2392 N91-23242* #
VPI-E-91-09 ..... 17 p2859 N91-25807* #
VPI-E-91-12 ..... 18 p2943 N91-26238* #
VPI-E-91-14 ..... 20 p3305 N91-28292* #

VTT-PUBL-71 ..... 15 p2490 N91-23788 #

VTT-RR-678 ..... 05 p0643 N91-13567 #
VTT-RR-685 ..... 05 p0636 N91-13528 #
VTT-RR-691 ..... 05 p0637 N91-13529 #
VTT-RR-692 ..... 05 p0637 N91-13530 #
VTT-RR-699 ..... 05 p0637 N91-13531 #
VTT-RR-708 ..... 15 p2446 N91-23551 #
VTT-RR-724 ..... 22 p3652 N91-30325 #

VTT-SYMPOSIUM-113 ..... 07 p1016 N91-15575 #

VTT-TIED-1182 ..... 17 p2805 N91-25506 #
VTT-TIED-1187 ..... 13 p2097 N91-21546 #

VTT-TUTK-656 ..... 01 p0119 N91-10701 #
VTT-TUTK-677 ..... 11 p1691 N91-19316 #

VTT-67 ..... 03 p0415 N91-12323 #
VTT-72 ..... 17 p2841 N91-25700 #

VTT/LVIS-20009 ..... 18 p3005 N91-26593 #

VTT/LVIS2000-2 ..... 19 p3214 N91-27767 #

VUB-STR-17 ..... 19 p3163 N91-27491 #

W-8912 ..... 02 p0261 N91-11456 #
W-9001 ..... 02 p0261 N91-11457 #
W-9002 ..... 10 p1585 N91-18737 #
W-9004 ..... 02 p0261 N91-11458 #
W-9005 ..... 10 p1585 N91-18738 #
W-9006 ..... 22 p3747 N91-30883 #
W-9007 ..... 23 p3919 N91-31892 #
W-9008 ..... 10 p1574 N91-18662 #
W-9013 ..... 10 p1587 N91-18751 #
W-9015 ..... 10 p1579 N91-18691 #
W-9016 ..... 23 p3868 N91-31577 #
W-9101 ..... 23 p3922 N91-31916 #

WBS-4B102-11-10 ..... 18 p2936 N91-26195* #

WCAP-3 ..... 01 p0074 N91-10444 #
WCAP-11 ..... 12 p1924 N91-20590 #
WCAP-13 ..... 24 p4056 N91-32659 #
WCAP-14 ..... 22 p3710 N91-30650 #
WCAP-16 ..... 23 p3896 N91-31746 #

WCDP-1 ..... 01 p0074 N91-10445 #
WCDP-9 ..... 20 p3375 N91-28695 #
WCDP-11 ..... 24 p4045 N91-32598 #

WES/CR/ITL-90-1 ..... 13 p2169 N91-21974 #
WES/CR/ITL-90-5 ..... 10 p1569 N91-18625 #

WES/IR/ITL-90-4 ..... 10 p1568 N91-18624 #
WES/IR/ITL-90-6 ..... 09 p1385 N91-17619 #

WES/MP/GL-90-7 ..... 03 p0317 N91-11772 #
WES/MP/GL-90-9 ..... 03 p0317 N91-11773 #
WES/MP/GL-91-3 ..... 15 p2385 N91-23199 #

WES/MP/ITL-90-5 ..... 15 p2410 N91-23343 #
WES/MP/ITL-90-6 ..... 13 p2136 N91-21762 #

WES/TR/EL-90-8 ..... 12 p1881 N91-20343 #
WES/TR/EL-91-2 ..... 15 p2375 N91-23141 #

WES/TR/GL-90-25 ..... 08 p1099 N91-16031 #

WES/TR/HL-91-1 ..... 14 p2292 N91-22673 #

WES/TR/ITL-90-3-VOL-C ..... 02 p0252 N91-11395 #
WES/TR/ITL-90-5 ..... 09 p1324 N91-17272 #

WES/TR/O-90-1 ..... 14 p2259 N91-22499 #

WES/TR/SL-90-11 ..... 22 p3691 N91-30549 #

WGL-MLR-90-07 ..... 04 p0518 N91-12884 #

WGL-R/D-90-073 ..... 04 p0518 N91-12884 #

WHC-EP-0188 ..... 06 p0809 N91-14468 #

WHC-SA-0817-REV-1	09	p1398	N91-17693	#
WHC-SA-0872	01	p0050	N91-10296	#
WHC-SA-0986	21	p3572	N91-29861	#
WHC-SA-0988	15	p2445	N91-23543	#
WHC-SA-1006	15	p2445	N91-23541	#
WHC-SA-1007	15	p2444	N91-23540	#
WHC-SA-1009	15	p2446	N91-23546	#
WHC-SA-1016	17	p2791	N91-25441	#
WHC-SA-1132	24	p4113	N91-32990	#
WHH-114-0	23	p3909	N91-31821	#
WHOI-89-54	03	p0393	N91-12186	#
WHOI-90-22	03	p0406	N91-12262	#
WHOI-90-24	21	p3545	N91-29697	#
WHOI-90-32	04	p0550	N91-13050	#
WHOI-90-33	08	p1125	N91-16185	#
WHOI-90-43	14	p2271	N91-22565	#
WHOI-90-45	14	p2292	N91-22677	#
WHOI-90-46	15	p2432	N91-23471	#
WHOI-90-50	15	p2471	N91-23691	#
WHOI-91-01	18	p3018	N91-26663	#
WHOI-91-03	21	p3607	N91-30070	#
WHOI 91-06-PT-2	19	p3202	N91-27698	#
WINCO-1080	05	p0669	N91-13719	#
WINCO-1081	12	p1902	N91-20463	#
WISC-EX-91-317	20	p3425	N91-28996	#
WL-TM-91-303	16	p2559	N91-24197	#
WL-TM-91-309-FIGK	19	p3158	N91-27460	#
WL-TR-89-050	13	p2151	N91-21858	#
WL-TR-90-19	04	p0522	N91-12904	#
WL-TR-90-27	03	p0356	N91-11992	#
WL-TR-90-45	22	p3681	N91-30495	#
WL-TR-90-47	06	p0881	N91-14869	#
WL-TR-90-69	22	p3755	N91-30935	#
WL-TR-90-77	12	p1982	N91-20908	#
WL-TR-91-1014	16	p2673	N91-24794	#
WL-TR-91-1038	19	p3230	N91-27853	#
WL-TR-91-1039	19	p3230	N91-27856	#
WL-TR-91-2011	19	p3164	N91-27499	#
WL-TR-91-2013	18	p2995	N91-26541	#
WL-TR-91-2019	21	p3575	N91-29881	#
WL-TR-91-2045	19	p3106	N91-27161	#
WL-TR-91-2064	21	p3581	N91-29920	#
WL-TR-91-3007	21	p3564	N91-29808	#
WL-TR-91-3011	19	p3121	N91-27241	#
WL-TR-91-3013	22	p3622	N91-30148	#
WL-TR-91-3015	22	p3741	N91-30841	#
WL-TR-91-3033-VOL-1	16	p2547	N91-24113	#
WL-TR-91-3033-VOL-2	16	p2547	N91-24114	#
WL-TR-91-3033-VOL-3	16	p2547	N91-24115	#
WL-TR-91-3039	21	p3452	N91-29148	#
WL-TR-91-4002	14	p2246	N91-22424	#
WL-TR-91-4008	15	p2403	N91-23307	#
WL-TR-91-4012	23	p3809	N91-31246	#
WL-TR-91-4041	21	p3470	N91-29242	#
WL-TR-91-4048	21	p3519	N91-29546	#
WL-TR-91-5018	21	p3553	N91-29741	#
WL-TR-91-8012	22	p3766	N91-30992	#
WL/MN-TR-91-23	24	p3949	N91-32072	#
WMO-524-SUPPL-2	11	p1739	N91-19563	#
WMO-734	01	p0094	N91-10547	#
WMO/TD-224	01	p0074	N91-10444	#
WMO/TD-227	01	p0074	N91-10445	#
WMO/TD-342	20	p3375	N91-28695	#
WMO/TD-359	24	p4045	N91-32598	#
WMO/TD-374	12	p1924	N91-20590	#
WMO/TD-385	24	p4056	N91-32659	#
WMO/TD-386	22	p3710	N91-30650	#
WMO/TD-409	23	p3896	N91-31746	#
WMSI-WORKING PAPER-377	03	p0400	N91-12226	#
WNSD/HYDRO-90-03	03	p0365	N91-12041	#
WORLD-BANK-TP-128	02	p0227	N91-11270	#
WP-1	15	p2459	N91-23624	#
WP-89-90-11	18	p3051	N91-26849	#
WP-1991-18	21	p3555	N91-29753	#
WP-1991-21	21	p3566	N91-29823	#
WR-89-14	03	p0381	N91-12125	#
WRDC-TM-90-100-AAAI	04	p0515	N91-12866	#
WRDC-TM-90-120-AARI	22	p3681	N91-30499	#
WRDC-TM-90-203-POTX	24	p3961	N91-32136	#
WRDC-TM-90-317	04	p0563	N91-13125	#
WRDC-TM-90-337-FIBE	21	p3456	N91-29171	#
WRDC-TR-89-1139	07	p1038	N91-15696	#
WRDC-TR-89-2018	12	p1877	N91-20319	#
WRDC-TR-89-2031	19	p3144	N91-27379	#
WRDC-TR-89-3015	04	p0479	N91-12673	#
WRDC-TR-89-4055	16	p2589	N91-24351	#
WRDC-TR-89-4117	03	p0335	N91-11882	#
WRDC-TR-89-4133	05	p0636	N91-13524	#
WRDC-TR-89-4134	11	p1718	N91-19460	#
WRDC-TR-89-4136	07	p0979	N91-15374	#
WRDC-TR-89-4145-VOL-2	06	p0785	N91-14351	#
WRDC-TR-90-1067	06	p0818	N91-14517	#
WRDC-TR-90-1076	07	p1055	N91-15794	#
WRDC-TR-90-2008	06	p0826	N91-14566	#
WRDC-TR-90-2014	07	p1048	N91-15753	#
WRDC-TR-90-2020-VOL-1	08	p1149	N91-16328	#
WRDC-TR-90-2020-V2-VOL-2	08	p1149	N91-16330	#
WRDC-TR-90-2024	03	p0388	N91-12161	#
WRDC-TR-90-2026	06	p0823	N91-14546	#
WRDC-TR-90-2027	03	p0420	N91-12351	#
WRDC-TR-90-2028	09	p1331	N91-17312	#
WRDC-TR-90-2029	03	p0321	N91-11792	#
WRDC-TR-90-2031	03	p0367	N91-12055	#
WRDC-TR-90-2047	03	p0344	N91-11929	#
WRDC-TR-90-2050	08	p1149	N91-16327	#
WRDC-TR-90-2054	03	p0314	N91-11758	#
WRDC-TR-90-2058	03	p0314	N91-11756	#
WRDC-TR-90-2062-PHASE-1	14	p2195	N91-22125	#
WRDC-TR-90-2064	06	p0830	N91-14589	#
WRDC-TR-90-2065	21	p3459	N91-29183	#
WRDC-TR-90-2078	08	p1159	N91-16382	#
WRDC-TR-90-2079-VOL-1	12	p1878	N91-20322	#
WRDC-TR-90-2079-VOL-2	12	p1878	N91-20323	#
WRDC-TR-90-2079-VOL-3	16	p2610	N91-24453	#
WRDC-TR-90-2081	07	p1007	N91-15531	#
WRDC-TR-90-2083	13	p2026	N91-21143	#
WRDC-TR-90-2084	03	p0347	N91-11942	#
WRDC-TR-90-2094-VOL-1	14	p2243	N91-22406	#
WRDC-TR-90-2094-VOL-2	14	p2243	N91-22405	#
WRDC-TR-90-2107	14	p2248	N91-22438	#
WRDC-TR-90-2112	18	p3058	N91-26892	#
WRDC-TR-90-2118	19	p3253	N91-27999	#
WRDC-TR-90-2120	19	p3174	N91-27549	#
WRDC-TR-90-3018	03	p0409	N91-12286	#
WRDC-TR-90-3023	04	p0470	N91-12634	#
WRDC-TR-90-3027	12	p1854	N91-20188	#
WRDC-TR-90-3037-VOL-1	05	p0628	N91-13477	#
WRDC-TR-90-3037-VOL-2	06	p0792	N91-14375	#
WRDC-TR-90-3037-VOL-3	05	p0628	N91-13478	#
WRDC-TR-90-3039	04	p0572	N91-13177	#
WRDC-TR-90-3040	04	p0471	N91-12639	#
WRDC-TR-90-3046	03	p0367	N91-12054	#
WRDC-TR-90-3050	08	p1115	N91-16125	#
WRDC-TR-90-3054	12	p1914	N91-20526	#
WRDC-TR-90-3057	06	p0778	N91-14314	#
WRDC-TR-90-3058-VOL-1	19	p3245	N91-27947	#
WRDC-TR-90-3061	18	p2924	N91-26133	#
WRDC-TR-90-3066	12	p1843	N91-20132	#
WRDC-TR-90-3067-PHASE-1	13	p2132	N91-21735	#
WRDC-TR-90-3069	15	p2375	N91-23144	#
WRDC-TR-90-3075	16	p2547	N91-24112	#
WRDC-TR-90-3076	15	p2366	N91-23093	#
WRDC-TR-90-3080	21	p3563	N91-29806	#
WRDC-TR-90-3082	22	p3690	N91-30543	#
WRDC-TR-90-4014	07	p0969	N91-15322	#
WRDC-TR-90-4035	03	p0335	N91-11881	#
WRDC-TR-90-4051	03	p0314	N91-11757	#
WRDC-TR-90-4063	03	p0345	N91-11933	#
WRDC-TR-90-4064	09	p1302	N91-17144	#
WRDC-TR-90-4066	07	p0970	N91-15323	#
WRDC-TR-90-4068	08	p1115	N91-16124	#
WRDC-TR-90-4069	14	p2249	N91-22441	#
WRDC-TR-90-4070	14	p2277	N91-22593	#
WRDC-TR-90-4071	07	p0979	N91-15375	#
WRDC-TR-90-4072	04	p0505	N91-12806	#
WRDC-TR-90-4075	04	p0474	N91-12647	#
WRDC-TR-90-4078	19	p3119	N91-27234	#
WRDC-TR-90-4091	18	p2996	N91-26548	#
WRDC-TR-90-4092	18	p2963	N91-26357	#
WRDC-TR-90-4098	12	p1875	N91-20307	#
WRDC-TR-90-4099	12	p1874	N91-20300	#
WRDC-TR-90-4102	09	p1342	N91-17372	#
WRDC-TR-90-4103	16	p2590	N91-24355	#
WRDC-TR-90-4110	18	p2953	N91-26295	#
WRDC-TR-90-4113	13	p2053	N91-21299	#
WRDC-TR-90-4121	15	p2396	N91-23268	#
WRDC-TR-90-4125	21	p3481	N91-29309	#
WRDC-TR-90-4127	19	p3119	N91-27231	#
WRDC-TR-90-4135	18	p2942	N91-26228	#
WRDC-TR-90-4137	19	p3118	N91-27226	#
WRDC-TR-90-4140	14	p2271	N91-22564	#
WRDC-TR-90-4141	19	p3180	N91-27585	#
WRDC-TR-90-5021	12	p1892	N91-20404	#
WRDC-TR-90-5026	13	p2136	N91-21761	#
WRDC-TR-90-5032	19	p3253	N91-27998	#
WRDC-TR-90-6002	03	p0408	N91-12280	#
WRDC-TR-90-7003	04	p0481	N91-12680	#

WRDC-TR-90-8022 ..... 08 p1199 N91-16591 #
WRDC-TR-90-8023 ..... 07 p1052 N91-15777 #
WRDC-TR-90-8024 ..... 07 p1049 N91-15759 #
WRDC-TR-90-8025 ..... 08 p1200 N91-16594 #
WRDC-TR-90-8027-VOL-3 ..... 09 p1380 N91-17586 #
WRDC-TR-90-9003-VOL-2 ..... 12 p1882 N91-20348 #
WRDC-TR-90-9003-VOL-3 ..... 12 p1882 N91-20349 #
WRDC-TR-90-9003-VOL-6 ..... 12 p1883 N91-20350 #

WSRC-MS-90-16 ..... 11 p1684 N91-19277 #
WSRC-MS-90-37 ..... 11 p1722 N91-19483 #
WSRC-MS-90-38 ..... 07 p0979 N91-15372 #
WSRC-MS-90-150 ..... 11 p1773 N91-19720 #
WSRC-MS-90-151 ..... 09 p1314 N91-17215 #
WSRC-MS-90-152 ..... 07 p1013 N91-15563 #
WSRC-MS-90-158 ..... 05 p0658 N91-13655 #
WSRC-MS-90-173 ..... 07 p0980 N91-15381 #
WSRC-MS-90-184 ..... 09 p1353 N91-17431 #
WSRC-MS-90-217 ..... 07 p1050 N91-15762 #
WSRC-MS-90-347 ..... 10 p1567 N91-18614 #

WSRC-RP-89-959 ..... 05 p0679 N91-13774 #
WSRC-RP-89-1383 ..... 11 p1707 N91-19399 #
WSRC-RP-90-186 ..... 05 p0731 N91-14084 #

WSRC-TR-90-156-REV-1 ..... 10 p1500 N91-18256 #
WSRC-TR-90-275 ..... 09 p1316 N91-17226 #

WSRL-GD-02/91 ..... 19 p3231 N91-27860 #
WSRL-GD-28/90 ..... 13 p2058 N91-21326 #

WSRL-TM-30/90 ..... 19 p3104 N91-27149 #

WSRL-TN-46/89 ..... 19 p3237 N91-27902 #

WSU-TR-88-001 ..... 03 p0367 N91-12055 #

WSU/DC/91/TR-53 ..... 21 p3576 N91-29886 #

WU/CCM-90/4 ..... 16 p2589 N91-24350 #

X-89-05 ..... 22 p3732 N91-30781 #

XA-23383.3-PH ..... 08 p1237 N91-16820 #

Y-2428 ..... 01 p0056 N91-10330 #
Y-2431 ..... 07 p1013 N91-15562 #

Y/DV-987 ..... 07 p0982 N91-15392 #
Y/DV-1100 ..... 24 p4029 N91-32513 #

Y/DW-983 ..... 17 p2757 N91-25261 #
Y/DW-1008 ..... 01 p0029 N91-10175 #

Y/DZ-707 ..... 16 p2601 N91-24415 #

Y/IB-20 ..... 02 p0216 N91-11204 #

YAI-TR-101 ..... 08 p1177 N91-16482 #

YALEU/DCS/RR-802 ..... 07 p1060 N91-15832 #
YALEU/DCS/RR-810 ..... 07 p1052 N91-15776 #
YALEU/DCS/RR-814 ..... 08 p1210 N91-16660 #
YALEU/DCS/RR-838 ..... 16 p2679 N91-24828 #
YALEU/DCS/RR-841 ..... 15 p2488 N91-23775 #

YITP/U-90-13 ..... 11 p1819 N91-19989 #
YITP/U-90-14 ..... 11 p1819 N91-19990 #
YITP/U-90-15 ..... 11 p1819 N91-19991 #
YITP/U-90-18 ..... 11 p1819 N91-19992 #
YITP/U-90-19 ..... 17 p2874 N91-25898 #

ZLR-FB-89-02 ..... 09 p1274 N91-17003

☆ U.S. GOVERNMENT PRINTING OFFICE: 1992 321-857/60323

ISBN 0-16-037889-3



FEDERAL REGIONAL DEPOSITORY LIBRARIES

ALABAMA

AUBURN UNIV. AT MONTGOMERY LIBRARY
Documents Dept.
7300 University Drive
Montgomery, AL 36117-3596
(205) 244-3650 FAX: (205) 244-0678

UNIV. OF ALABAMA
Amelia Gayle Gorgas Library
Govt. Documents
Box 870266
Tuscaloosa, AL 35487-0266
(205) 348-6046 FAX: (205) 348-8833

ARIZONA

DEPT. OF LIBRARY, ARCHIVES, AND PUBLIC RECORDS
Federal Documents
Third Floor State Capitol
1700 West Washington
Phoenix, AZ 85007
(602) 542-4121 FAX: (602) 542-4400; 542-4500

ARKANSAS

ARKANSAS STATE LIBRARY
State Library Services
One Capitol Mall
Little Rock, AR 72201
(501) 682-2869

CALIFORNIA

CALIFORNIA STATE LIBRARY
Govt. Publications Section
914 Capitol Mall - P.O. Box 942837
Sacramento, CA 94237-0001
(916) 322-4572 FAX: (916) 324-8120

COLORADO

UNIV. OF COLORADO - BOULDER
Norlin Library
Govt. Publications
Campus Box 184
Boulder, CO 80309-0184
(303) 492-8834 FAX: (303) 492-2185

DENVER PUBLIC LIBRARY
Govt. Publications Dept. BS/GPD
1357 Broadway
Denver, CO 80203
(303) 571-2135

CONNECTICUT

CONNECTICUT STATE LIBRARY
231 Capitol Avenue
Hartford, CT 06106
(203) 566-4971 FAX: (203) 566-3322

FLORIDA

UNIV. OF FLORIDA LIBRARIES
Documents Dept.
Library West
Gainesville, FL 32611-2048
(904) 392-0366 FAX: (904) 392-7251

GEORGIA

UNIV. OF GEORGIA LIBRARIES
Govt. Documents Dept.
Jackson Street
Athens, GA 30602
(404) 542-8949 FAX: (404) 542-6522

HAWAII

UNIV. OF HAWAII
Hamilton Library
Govt. Documents Collection
2550 The Mall
Honolulu, HI 96822
(808) 948-8230 FAX: (808) 956-5968

IDAHO

UNIV. OF IDAHO LIBRARY
Documents Section
Moscow, ID 83843
(208) 885-6344 FAX: (208) 885-6817

ILLINOIS

ILLINOIS STATE LIBRARY
Reference Dept.
300 South Second
Springfield, IL 62701-1796
(217) 782-7596 FAX: (217) 524-0041

INDIANA

INDIANA STATE LIBRARY
Serials/Documents Section
140 North Senate Avenue
Indianapolis, IN 46204
(317) 232-3676 FAX: (317) 232-3728

IOWA

UNIV. OF IOWA LIBRARIES
Govt. Publications Dept.
Washington & Madison Streets
Iowa City, IA 52242
(319) 335-5926 FAX: (319) 335-5830

KANSAS

UNIV. OF KANSAS
Govt. Documents & Map Library
6001 Malatt Hall
Lawrence, KS 66045-2800
(913) 864-4660 FAX: (913) 864-5380

KENTUCKY

UNIV. OF KENTUCKY LIBRARIES
Govt. Publications/Maps Dept.
Lexington, KY 40506-0039
(606) 257-3139 FAX: (606) 257-1563; 257-8379

LOUISIANA

LOUISIANA STATE UNIV.
Middleton Library
Govt. Documents Dept.
Baton Rouge, LA 70803
(504) 388-2570 FAX: (504) 388-6992

LOUISIANA TECHNICAL UNIV.
Prescott Memorial Library
Govt. Documents Dept.
305 Wisteria Street
Ruston, LA 71270-9985
(318) 257-4962 FAX: (318) 257-2447

MAINE

TRI-STATE DOCUMENTS DEPOSITORY
Raymond H. Fogler Library
Govt. Documents & Microforms Dept.
Univ. of Maine
Orono, ME 04469
(207) 581-1680

MARYLAND

UNIV. OF MARYLAND
Hornbake Library
Govt. Documents/Maps Unit
College Park, MD 20742
(301) 454-3034 FAX: (301) 454-4985

MASSACHUSETTS

BOSTON PUBLIC LIBRARY
Govt. Documents Dept.
666 Boylston Street
Boston, MA 02117
(617) 536-5400 ext. 226
FAX: (617) 267-8273; 267-8248

MICHIGAN

DETROIT PUBLIC LIBRARY
5201 Woodward Avenue
Detroit, MI 48202-4093
(313) 833-1440; 833-1409
FAX: (313) 833-5039

LIBRARY OF MICHIGAN
Govt. Documents Unit
P.O. Box 30007
Lansing, MI 48909
(517) 373-0640 FAX: (517) 373-3381

MINNESOTA

UNIV. OF MINNESOTA
Wilson Library
Govt. Publications Library
309 19th Avenue South
Minneapolis, MN 55455
(612) 624-5073 FAX: (612) 626-9353

MISSISSIPPI

UNIV. OF MISSISSIPPI
J.D. Williams Library
Federal Documents Dept.
106 Old Gym Bldg.
University, MS 38677
(601) 232-5857 FAX: (601) 232-5453

MISSOURI

UNIV. OF MISSOURI - COLUMBIA
Ellis Library
Govt. Documents
Columbia, MO 65201
(314) 882-6733 FAX: (314) 882-8044

MONTANA

UNIV. OF MONTANA
Maureen & Mike Mansfield Library
Documents Div.
Missoula, MT 59812-1195
(406) 243-6700 FAX: (406) 243-2060

NEBRASKA

UNIV. OF NEBRASKA - LINCOLN
D.L. Love Memorial Library
Documents Dept.
Lincoln, NE 68588
(402) 472-2562

NEVADA

UNIV. OF NEVADA
Reno Library
Govt. Publications Dept.
Reno, NV 89557
(702) 784-6579 FAX: (702) 784-1751

NEW JERSEY

NEWARK PUBLIC LIBRARY
U.S. Documents Div.
5 Washington Street - P.O. Box 630
Newark, NJ 07101-0630
(201) 733-7812 FAX: (201) 733-5648

NEW MEXICO

UNIV. OF NEW MEXICO
General Library
Govt. Publications Dept.
Albuquerque, NM 87131-1466
(505) 277-5441 FAX: (505) 277-6019

NEW MEXICO STATE LIBRARY
325 Don Gaspar Avenue
Santa Fe, NM 87503
(505) 827-3826 FAX: (505) 827-3820

NEW YORK

NEW YORK STATE LIBRARY
Documents/Gift & Exchange Section
Federal Depository Program
Cultural Education Center
Albany, NY 12230
(518) 474-5563 FAX: (518) 474-5786

NORTH CAROLINA

UNIV. OF NORTH CAROLINA - CHAPEL HILL
CB#3912, Davis Library
BA/SS Dept.—Documents
Chapel Hill, NC 27599
(919) 962-1151 FAX: (919) 962-0484

NORTH DAKOTA

NORTH DAKOTA STATE UNIV. LIBRARY
Documents Office
Fargo, ND 58105
(701) 237-8886 FAX: (701) 237-7138
In cooperation with Univ. of North Dakota, Chester Fritz Library
Grand Forks

OHIO

STATE LIBRARY OF OHIO
Documents Dept.
65 South Front Street
Columbus, OH 43266
(614) 644-7051 FAX: (614) 752-9178

OKLAHOMA

OKLAHOMA DEPT. OF LIBRARIES
U.S. Govt. Information Div.
200 NE 18th Street
Oklahoma City, OK 73105-3298
(405) 521-2502, ext. 252, 253
FAX: (405) 525-7804

OKLAHOMA STATE UNIV.
Edmon Low Library
Documents Dept.
Stillwater, OK 74078
(405) 744-6546 FAX: (405) 744-5183

OREGON

PORTLAND STATE UNIV.
Millar Library
934 SW Harrison - P.O. Box 1151
Portland, OR 97207
(503) 725-3673 FAX: (503) 725-4527

PENNSYLVANIA

STATE LIBRARY OF PENN.
Govt. Publications Section
Walnut St. & Commonwealth Ave. - P.O. Box 1601
Harrisburg, PA 17105
(717) 787-3752

SOUTH CAROLINA

CLEMSON UNIV.
Cooper Library
Public Documents Unit
Clemson, SC 29634-3001
(803) 656-5174 FAX: (803) 656-3025
In cooperation with Univ. of South Carolina, Thomas Cooper Library, Columbia

TENNESSEE

MEMPHIS STATE UNIV. LIBRARIES
Govt. Documents
Memphis, TN 38152
(901) 678-2586 FAX: (901) 678-2511

TEXAS

TEXAS STATE LIBRARY
United States Documents
P.O. Box 12927 - 1201 Brazos
Austin, TX 78711
(512) 463-5455 FAX: (512) 463-5436

TEXAS TECH. UNIV. LIBRARY
Documents Dept.
Lubbock, TX 79409
(806) 742-2268 FAX: (806) 742-1920

UTAH

UTAH STATE UNIV.
Merrill Library & Learning Resources Center, UMC-3000
Documents Dept.
Logan, UT 84322-3000
(801) 750-2684 FAX: (801) 750-2677

VIRGINIA

UNIV. OF VIRGINIA
Alderman Library
Govt. Documents
Charlottesville, VA 22903-2498
(804) 924-3133 FAX: (804) 924-4337

WASHINGTON

WASHINGTON STATE LIBRARY
Document Section
MS AJ-11
Olympia, WA 98504-0111
(206) 753-4027 FAX: (206) 753-3546

WEST VIRGINIA

WEST VIRGINIA UNIV. LIBRARY
Govt. Documents Section
P.O. Box 6069
Morgantown, WV 26506
(304) 293-3640

WISCONSIN

ST. HIST. SOC. OF WISCONSIN LIBRARY
Govt. Publications Section
816 State Street
Madison, WI 53706
(608) 262-2781 FAX: (608) 262-4711
In cooperation with Univ. of Wisconsin-Madison, Memorial Library

MILWAUKEE PUBLIC LIBRARY
Documents Div.
814 West Wisconsin Avenue
Milwaukee, WI 53233
(414) 278-2167 FAX: (414) 278-2137

WYOMING

WYOMING STATE LIBRARY
Supreme Court & Library Bldg.
Govt. Publications
Cheyenne, WY 82002
(307) 777-5920 FAX: (307) 777-6289

National Aeronautics and
Space Administration
Code JTT
Washington, D.C.
20546-0001

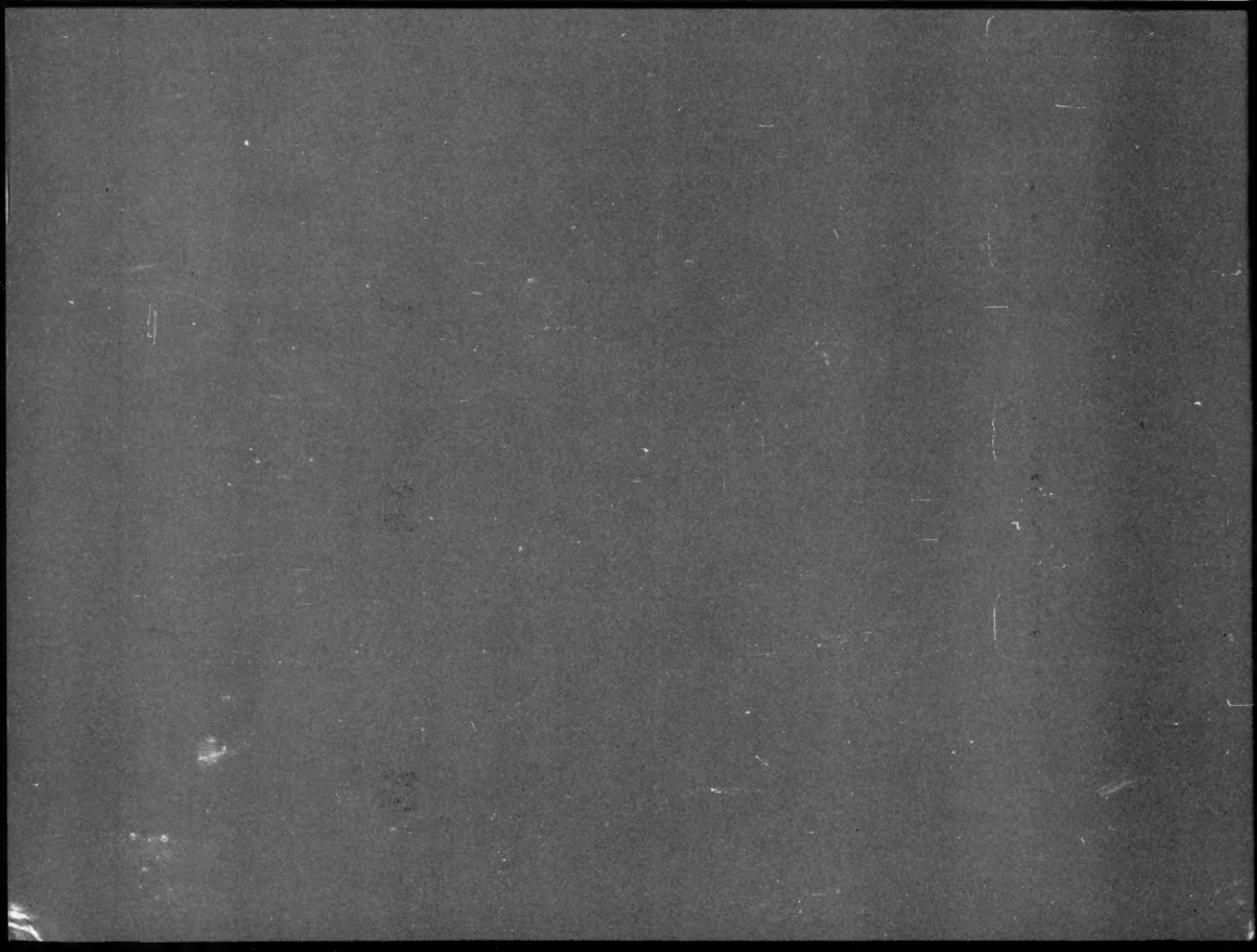
Official Business

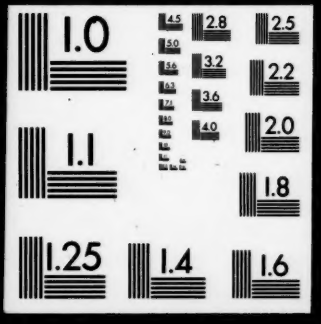
Penalty for Private Use, $300

SPECIAL FOURTH-CLASS RATE
POSTAGE & FEES PAID
NASA
PERMIT No. G27

NASA

POSTMASTER: If Undeliverable (Section 158 Postal Manual) Do Not Return




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
7.1